

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
McKee		ABC	SRC-McKee	7.50Y	125.0	0.00	0.00	506.64	0	10826	3570	95	0.00	0.0	0.000	0.000	0	0	0	2301
PL.67481	McKee	ABC	#3/0 ACSR	7.50Y	125.0	0.00	0.00	35.80	12	763	258	95	0.01	0.0	0.005	0.005	0	0	0	144
PL.72507	PL.67481	ABC	#3/0 ACSR	7.50Y	125.0	0.00	0.00	35.80	12	763	258	95	0.00	0.0	0.006	0.002	0	0	0	144
----- Feeder No. 3 (Indian Creek F3) Beginning with Device PD.10789 -----																				
PD.10789	PL.72507	ABC	400VWE	7.50Y	125.0	0.00	0.00	35.80	0	763	258	95	0.00	0.0	0.006	0.002	0	0	0	144
PL.72508	PD.10789	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	35.80	12	763	258	95	0.04	0.0	0.024	0.018	0	0	0	144
PL.67004	PL.72508	ABC	#3/0 ACSR	7.50Y	125.0	0.03	0.04	35.80	12	763	258	95	0.11	0.0	0.078	0.054	7	2	1	144
PL.67027	PL.67004	ABC	#3/0 ACSR	7.50Y	124.9	0.04	0.08	33.27	11	707	245	94	0.19	0.0	0.178	0.100	4	1	2	131
PL.67028	PL.67027	ABC	#3/0 ACSR	7.49Y	124.9	0.01	0.09	33.07	11	703	243	95	0.06	0.0	0.209	0.031	8	2	2	129
PL.67037	PL.67028	ABC	#3/0 ACSR	7.49Y	124.9	0.04	0.13	32.70	11	694	241	94	0.16	0.0	0.299	0.090	28	7	8	127
PL.67038	PL.67037	ABC	#3/0 ACSR	7.49Y	124.8	0.02	0.16	31.44	10	667	235	94	0.09	0.0	0.353	0.054	1	0	1	119
PL.67030	PL.67038	ABC	#3/0 ACSR	7.49Y	124.8	0.01	0.16	31.38	10	665	234	94	0.04	0.0	0.376	0.023	9	2	2	118
PL.67029	PL.67030	ABC	#3/0 ACSR	7.49Y	124.8	0.03	0.19	30.95	10	656	232	94	0.10	0.0	0.440	0.064	0	0	0	116
PL.66984	PL.67029	ABC	#3/0 ACSR	7.49Y	124.8	0.02	0.21	27.76	9	590	202	95	0.05	0.0	0.482	0.042	0	0	0	113
PL.67032	PL.66984	B	6 A (CWC)	7.49Y	124.8	0.00	0.21	0.52	0	4	1	97	0.00	0.0	0.504	0.022	4	1	1	1
PL.66517	PL.67032	B	6 A (CWC)	7.49Y	124.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.509	0.005	0	0	0	0
PD.10097	PL.66517	B	30T	7.49Y	124.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.509	0.005	0	0	0	0
PL.66518	PD.10097	B	6 A (CWC)	7.49Y	124.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.571	0.063	0	0	0	0
PL.66946	PL.66518	B	6 A (CWC)	7.49Y	124.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.649	0.078	0	0	0	0
PL.66947	PL.66946	B	#4 ACSR	7.49Y	124.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.712	0.063	0	0	0	0
PL.66985	PL.66984	ABC	#3/0 ACSR	7.49Y	124.8	0.02	0.22	27.59	9	586	201	95	0.06	0.0	0.527	0.045	13	3	4	112
PL.66986	PL.66985	ABC	#1/0 ACSR	7.48Y	124.7	0.05	0.27	27.00	12	573	198	95	0.20	0.0	0.628	0.100	0	0	0	108
PL.66515	PL.66986	A	#4 ACSR	7.48Y	124.7	0.00	0.27	2.97	2	22	5	98	0.00	0.0	0.632	0.005	0	0	0	4
PD.10096	PL.66515	A	30T	7.48Y	124.7	0.00	0.27	2.97	0	22	5	98	0.00	0.0	0.632	0.005	0	0	0	4
PL.66516	PD.10096	A	#4 ACSR	7.48Y	124.7	0.01	0.28	2.97	2	22	5	98	0.00	0.0	0.694	0.062	11	3	2	4
PL.67033	PL.66516	A	#4 ACSR	7.48Y	124.7	0.00	0.28	1.52	1	11	3	96	0.00	0.0	0.718	0.024	6	1	1	2
PL.67034	PL.67033	A	#4 ACSR	7.48Y	124.7	0.00	0.28	0.72	1	5	1	98	0.00	0.0	0.771	0.053	0	0	0	1
PL.66949	PL.67034	A	#1/0 ACSR	7.48Y	124.7	0.00	0.28	0.72	0	5	1	98	0.00	0.0	0.799	0.027	5	1	1	1
PL.66948	PL.66986	ABC	#1/0 ACSR	7.48Y	124.7	0.06	0.34	26.02	11	552	192	94	0.24	0.0	0.763	0.136	13	3	2	104
PL.66952	PL.66948	ABC	#1/0 ACSR	7.48Y	124.6	0.04	0.38	24.74	11	523	186	94	0.13	0.0	0.846	0.082	5	1	2	97

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67039	PL.66952	ABC	#1/0 ACSR	7.48Y	124.6	0.03	0.40	24.49	11	518	184	94	0.10	0.0	0.906	0.060	8	2	2	95
PL.67040	PL.67039	ABC	#1/0 ACSR	7.47Y	124.6	0.02	0.42	24.15	10	510	182	94	0.07	0.0	0.951	0.046	0	0	0	93
PL.67041	PL.67040	ABC	#1/0 ACSR	7.47Y	124.6	0.02	0.45	24.15	10	510	182	94	0.08	0.0	1.006	0.055	9	2	2	93
PL.66987	PL.67041	ABC	#1/0 ACSR	7.47Y	124.5	0.03	0.48	23.59	10	498	179	94	0.10	0.0	1.073	0.067	7	2	2	90
PL.66953	PL.66987	ABC	#1/0 ACSR	7.47Y	124.5	0.04	0.52	23.25	10	490	177	94	0.12	0.0	1.159	0.086	5	1	3	88
PL.66988	PL.66953	ABC	#1/0 ACSR	7.47Y	124.4	0.04	0.55	22.67	10	477	174	94	0.12	0.0	1.248	0.089	2	1	1	83
PL.67075	PL.66988	A	#4 ACSR	7.47Y	124.4	0.00	0.55	0.70	1	5	1	98	0.00	0.0	1.253	0.005	0	0	0	1
PD.10084	PL.67075	A	30T	7.47Y	124.4	0.00	0.55	0.70	0	5	1	98	0.00	0.0	1.253	0.005	0	0	0	1
PL.67076	PD.10084	A	#4 ACSR	7.47Y	124.4	0.00	0.55	0.70	1	5	1	98	0.00	0.0	1.349	0.096	5	1	1	1
PL.66956	PL.66988	ABC	#3/0 ACSR	7.47Y	124.4	0.03	0.58	22.34	7	470	172	94	0.08	0.0	1.349	0.101	13	3	2	81
PL.66957	PL.66956	ABC	#2/0 ACSR	7.46Y	124.4	0.04	0.62	21.74	8	456	169	94	0.11	0.0	1.464	0.115	0	0	0	79
PL.67006	PL.66957	ABC	#2/0 ACSR	7.46Y	124.3	0.03	0.66	21.74	8	456	169	94	0.10	0.0	1.565	0.102	0	0	0	79
PL.66493	PL.67006	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	1.69	1	12	3	97	0.00	0.0	1.570	0.005	0	0	0	3
PD.10085	PL.66493	C	30T	7.46Y	124.3	0.00	0.66	1.69	0	12	3	97	0.00	0.0	1.570	0.005	0	0	0	3
PL.66494	PD.10085	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	1.69	1	12	3	97	0.00	0.0	1.637	0.067	6	1	1	3
PL.66958	PL.66494	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	1.691	0.055	0	0	0	0
PL.66959	PL.66494	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.93	1	7	2	96	0.00	0.0	1.716	0.079	4	1	1	2
PL.66961	PL.66959	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.40	0	3	1	95	0.00	0.0	1.768	0.052	3	1	1	1
PL.66989	PL.67006	ABC	#2/0 ACSR	7.46Y	124.3	0.04	0.70	21.18	8	444	166	94	0.11	0.0	1.679	0.114	3	1	1	76
PL.67087	PL.66989	ABC	#4 ACSR	7.46Y	124.3	0.00	0.70	0.09	0	2	1	89	0.00	0.0	1.684	0.005	0	0	0	2
PD.10103	PL.67087	ABC	30T	7.46Y	124.3	0.00	0.70	0.09	0	2	1	89	0.00	0.0	1.684	0.005	0	0	0	2
PL.67088	PD.10103	ABC	#4 ACSR	7.46Y	124.3	0.00	0.70	0.09	0	2	1	89	0.00	0.0	1.737	0.053	2	1	2	2
PL.66963	PL.67088	ABC	#4 ACSR	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.739	0.002	0	0	0	0
PL.67042	PL.66989	ABC	#2/0 ACSR	7.46Y	124.3	0.03	0.72	20.97	8	439	164	94	0.08	0.0	1.763	0.084	9	2	1	73
PL.67043	PL.67042	ABC	#2/0 ACSR	7.46Y	124.3	0.02	0.74	20.55	8	430	162	94	0.04	0.0	1.813	0.050	4	1	1	72
PL.67045	PL.67043	ABC	#2/0 ACSR	7.45Y	124.2	0.05	0.79	20.37	8	426	161	94	0.14	0.0	1.976	0.163	2	0	1	71
PL.67046	PL.67045	ABC	#2/0 ACSR	7.45Y	124.2	0.02	0.81	20.27	8	424	160	94	0.05	0.0	2.039	0.063	8	2	2	70
PL.67044	PL.67046	ABC	#2/0 ACSR	7.45Y	124.2	0.02	0.84	19.93	7	416	159	93	0.06	0.0	2.115	0.076	4	1	1	68
PL.66964	PL.67044	ABC	#2/0 ACSR	7.45Y	124.1	0.03	0.87	19.74	7	412	158	93	0.08	0.0	2.217	0.102	5	1	3	67
PL.66966	PL.66964	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.07	0	1	0	100	0.00	0.0	2.276	0.059	1	0	1	1
PL.67053	PL.66964	ABC	#2/0 ACSR	7.45Y	124.1	0.01	0.88	19.47	7	406	156	93	0.02	0.0	2.240	0.023	3	1	2	62

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

PL.67054	PL.67053	ABC	#2/0 ACSR	7.45Y	124.1	0.02	0.89	19.34	7	403	155	93	0.05	0.0	2.300	0.059	1	0	1	60
PL.66990	PL.67054	ABC	#2/0 ACSR	7.44Y	124.1	0.03	0.92	19.09	7	398	154	93	0.07	0.0	2.394	0.094	0	0	0	56
PL.66991	PL.66990	ABC	#2/0 ACSR	7.44Y	124.0	0.03	0.95	15.73	6	324	136	92	0.06	0.0	2.511	0.117	0	0	0	30
PL.67012	PL.66991	ABC	#2/0 ACSR	7.44Y	124.0	0.04	0.99	15.73	6	324	136	92	0.08	0.0	2.662	0.151	0	0	0	30
PL.66995	PL.67012	ABC	#2/0 ACSR	7.44Y	124.0	0.02	1.01	15.53	6	319	135	92	0.04	0.0	2.747	0.085	3	1	1	29
PL.66497	PL.66995	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	2.752	0.005	0	0	0	1
PD.10088	PL.66497	C	30T	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	2.752	0.005	0	0	0	1
PL.66498	PD.10088	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	2.910	0.158	0	0	0	1
PL.66976	PL.66498	C	#4 ACSR	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	2.975	0.065	0	0	0	1
PL.67013	PL.66976	C	#4 ACSR	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	3.142	0.168	0	0	1	1
PL.66996	PL.66995	ABC	#2/0 ACSR	7.44Y	124.0	0.01	1.02	15.40	6	316	134	92	0.02	0.0	2.792	0.045	0	0	0	27
PL.67056	PL.66996	ABC	#2/0 ACSR	7.44Y	124.0	0.02	1.04	15.40	6	316	134	92	0.04	0.0	2.866	0.074	8	2	2	27
PL.67057	PL.67056	ABC	#2/0 ACSR	7.44Y	123.9	0.02	1.06	15.02	6	308	132	92	0.03	0.0	2.930	0.064	0	0	0	25
PL.67022	PL.67057	ABC	#2/0 ACSR	7.43Y	123.9	0.03	1.09	15.02	6	308	132	92	0.06	0.0	3.050	0.121	0	0	0	25
PL.66997	PL.67022	ABC	#2/0 ACSR	7.43Y	123.9	0.01	1.10	14.80	5	303	131	92	0.02	0.0	3.099	0.049	0	0	0	23
PL.66501	PL.66997	C	#4 ACSR	7.43Y	123.9	0.00	1.10	0.39	0	3	1	95	0.00	0.0	3.104	0.005	0	0	0	3
PD.10090	PL.66501	C	30T	7.43Y	123.9	0.00	1.10	0.39	0	3	1	95	0.00	0.0	3.104	0.005	0	0	0	3
PL.66502	PD.10090	C	#4 ACSR	7.43Y	123.9	0.00	1.10	0.39	0	3	1	95	0.00	0.0	3.151	0.047	3	1	3	3
PL.66998	PL.66997	ABC	#2/0 ACSR	7.43Y	123.9	0.02	1.11	14.67	5	300	130	92	0.03	0.0	3.163	0.063	0	0	0	20
PL.66503	PL.66998	B	1/0 AL URD	7.43Y	123.9	0.00	1.11	1.53	1	11	2	98	0.00	0.0	3.167	0.005	0	0	0	1
PD.10091	PL.66503	B	30T	7.43Y	123.9	0.00	1.11	1.53	0	11	3	96	0.00	0.0	3.167	0.005	0	0	0	1
PL.66504	PD.10091	B	1/0 AL URD	7.43Y	123.9	0.00	1.12	1.53	1	11	3	96	0.00	0.0	3.199	0.032	11	3	1	1
PL.66999	PL.66998	ABC	#2/0 ACSR	7.43Y	123.9	0.02	1.14	14.17	5	289	128	91	0.04	0.0	3.267	0.104	0	0	0	19
PL.67014	PL.66999	ABC	#2/0 ACSR	7.43Y	123.8	0.03	1.17	14.17	5	289	128	91	0.05	0.0	3.382	0.116	0	0	1	19
PL.66509	PL.67014	ABC	#2/0 ACSR	7.43Y	123.8	0.00	1.17	13.84	5	282	126	91	0.00	0.0	3.386	0.004	0	0	0	15
PL.66510	PL.66509	ABC	#2/0 ACSR	7.43Y	123.8	0.03	1.20	13.84	5	282	126	91	0.06	0.0	3.532	0.146	0	0	0	15
PL.67015	PL.66510	ABC	#2/0 ACSR	7.43Y	123.8	0.03	1.23	13.84	5	282	126	91	0.06	0.0	3.680	0.148	0	0	0	15
PL.67016	PL.67015	ABC	#2/0 ACSR	7.42Y	123.7	0.03	1.27	13.84	5	281	126	91	0.06	0.0	3.822	0.142	0	0	0	15
PL.67017	PL.67016	ABC	#2/0 ACSR	7.42Y	123.7	0.04	1.30	13.84	5	281	126	91	0.07	0.0	3.991	0.168	7	2	1	15
PL.67081	PL.67017	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	1.52	1	11	3	96	0.00	0.0	3.995	0.004	0	0	0	3
PD.10100	PL.67081	C	30T	7.42Y	123.7	0.00	1.30	1.52	0	11	3	96	0.00	0.0	3.995	0.004	0	0	0	3

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PL.67082	PD.10100	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	1.52	1	11	3	96	0.00	0.0	4.036	0.041	11	3	3	3
PL.66977	PL.67017	ABC	#2/0 ACSR	7.42Y	123.7	0.02	1.33	13.01	5	263	121	91	0.04	0.0	4.095	0.105	0	0	0	11
PL.67018	PL.66977	ABC	#2/0 ACSR	7.42Y	123.7	0.02	1.34	13.01	5	263	121	91	0.03	0.0	4.181	0.086	0	0	0	11
PL.66505	PL.67018	C	#4 ACSR	7.42Y	123.7	0.00	1.34	0.81	1	6	1	99	0.00	0.0	4.186	0.005	0	0	0	1
PD.10092	PL.66505	C	30T	7.42Y	123.7	0.00	1.34	0.81	0	6	1	99	0.00	0.0	4.186	0.005	0	0	0	1
PL.66506	PD.10092	C	#4 ACSR	7.42Y	123.7	0.00	1.35	0.81	1	6	1	99	0.00	0.0	4.241	0.055	6	1	1	1
PL.67000	PL.67018	ABC	#2/0 ACSR	7.42Y	123.6	0.02	1.37	12.75	5	257	120	91	0.04	0.0	4.286	0.105	0	0	0	10
PL.67019	PL.67000	ABC	#2/0 ACSR	7.42Y	123.6	0.02	1.39	12.75	5	257	120	91	0.04	0.0	4.402	0.116	0	0	0	10
PL.67001	PL.67019	ABC	#2/0 ACSR	7.42Y	123.6	0.02	1.41	12.71	5	256	120	91	0.03	0.0	4.480	0.077	0	0	0	8
PL.67002	PL.67001	ABC	#2/0 ACSR	7.41Y	123.6	0.03	1.44	12.34	5	248	118	90	0.05	0.0	4.632	0.152	0	0	0	4
PL.66978	PL.67002	ABC	#2/0 ACSR	7.41Y	123.6	0.01	1.45	12.34	5	248	118	90	0.02	0.0	4.687	0.055	0	0	0	4
PL.67062	PL.66978	ABC	#2/0 ACSR	7.41Y	123.5	0.01	1.46	12.01	4	241	116	90	0.02	0.0	4.745	0.058	3	1	1	2
PL.67063	PL.67062	ABC	#2/0 ACSR	7.41Y	123.5	0.02	1.48	11.87	4	238	115	90	0.03	0.0	4.830	0.084	0	0	0	1
PL.66980	PL.67063	ABC	#2/0 ACSR	7.41Y	123.5	0.01	1.49	11.87	4	238	115	90	0.01	0.0	4.972	0.142	238	115	1	1
PL.67023	PL.66980	ABC	#2/0 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	4.986	0.014	0	0	0	0
PL.66981	PL.67023	ABC	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	5.073	0.087	0	0	0	0
PL.67020	PL.66981	ABC	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	5.204	0.131	0	0	0	0
PL.67021	PL.67020	ABC	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	5.277	0.073	0	0	0	0
PL.66982	PL.67021	C	8 A (CWC)	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	5.299	0.022	0	0	0	0
PD.10105-A	PL.66982	C	Open	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	5.299	0.022	0	0	0	0
PL.67064	PL.67021	ABC	#4 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	5.313	0.036	0	0	0	0
PL.67065	PL.67064	ABC	#4 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	5.315	0.002	0	0	0	0
PL.66512	PL.66978	C	#4 ACSR	7.41Y	123.6	0.00	1.45	1.00	1	7	2	96	0.00	0.0	4.692	0.005	0	0	0	2
PD.10094	PL.66512	C	30T	7.41Y	123.6	0.00	1.45	1.00	0	7	2	96	0.00	0.0	4.692	0.005	0	0	0	2
PL.66511	PD.10094	C	#4 ACSR	7.41Y	123.5	0.00	1.45	1.00	1	7	2	96	0.00	0.0	4.716	0.024	7	2	2	2
PL.66513	PL.67001	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	1.13	1	8	2	97	0.00	0.0	4.484	0.005	0	0	0	4
PD.10095	PL.66513	C	30T	7.42Y	123.6	0.00	1.41	1.13	0	8	2	97	0.00	0.0	4.484	0.005	0	0	0	4
PL.66514	PD.10095	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	1.13	1	8	2	97	0.00	0.0	4.545	0.060	0	0	1	4
PL.66979	PL.66514	C	#4 ACSR	7.41Y	123.6	0.01	1.42	1.12	1	8	2	97	0.00	0.0	4.748	0.203	0	0	0	3
PL.67047	PL.66979	C	#4 ACSR	7.41Y	123.6	0.00	1.42	1.12	1	8	2	97	0.00	0.0	4.813	0.065	3	1	1	3
PL.67048	PL.67047	C	#4 ACSR	7.41Y	123.6	0.00	1.42	0.77	1	6	1	99	0.00	0.0	4.855	0.042	6	1	2	2

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.67084	PL.67019	C	6 A (CWC)	7.42Y	123.6	0.00	1.39	0.13	0	1	0	100	0.00	0.0	4.407	0.005	0	0	0	2
PD.10101	PL.67084	C	30T	7.42Y	123.6	0.00	1.39	0.13	0	1	0	100	0.00	0.0	4.407	0.005	0	0	0	2
PL.67083	PD.10101	C	6 A (CWC)	7.42Y	123.6	0.00	1.39	0.13	0	1	0	100	0.00	0.0	4.496	0.089	1	0	2	2
PL.66507	PL.67014	A	#2 ACSR	7.43Y	123.8	0.00	1.17	1.01	1	7	2	96	0.00	0.0	3.387	0.004	0	0	0	3
PD.10093	PL.66507	A	30T	7.43Y	123.8	0.00	1.17	1.01	0	7	2	96	0.00	0.0	3.387	0.004	0	0	0	3
PL.66508	PD.10093	A	#2 ACSR	7.43Y	123.8	0.00	1.17	1.01	1	7	2	96	0.00	0.0	3.420	0.033	7	2	3	3
PL.67080	PL.67022	C	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.04	0	0	0	100	0.00	0.0	3.055	0.005	0	0	0	1
PD.10099	PL.67080	C	30T	7.43Y	123.9	0.00	1.09	0.04	0	0	0	100	0.00	0.0	3.055	0.005	0	0	0	1
PL.67079	PD.10099	C	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.04	0	0	0	100	0.00	0.0	3.085	0.030	0	0	1	1
PL.66499	PL.67022	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.64	0	5	1	98	0.00	0.0	3.055	0.005	0	0	0	1
PD.10089	PL.66499	A	30T	7.43Y	123.9	0.00	1.09	0.64	0	5	1	98	0.00	0.0	3.055	0.005	0	0	0	1
PL.66500	PD.10089	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.64	0	5	1	98	0.00	0.0	3.092	0.037	0	0	0	1
PL.66983	PL.66500	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.64	0	5	1	98	0.00	0.0	3.168	0.076	5	1	1	1
PL.66495	PL.67012	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.58	0	4	1	97	0.00	0.0	2.667	0.005	0	0	0	1
PD.10087	PL.66495	A	30T	7.44Y	124.0	0.00	0.99	0.58	0	4	1	97	0.00	0.0	2.667	0.005	0	0	0	1
PL.66496	PD.10087	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.58	0	4	1	97	0.00	0.0	2.685	0.018	0	0	0	1
PL.67055	PL.66496	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.58	0	4	1	97	0.00	0.0	2.741	0.055	0	0	0	1
PL.66975	PL.67055	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.58	0	4	1	97	0.00	0.0	2.780	0.039	4	1	1	1
PL.67089	PL.66990	C	6 A (CWC)	7.44Y	124.0	0.05	0.97	10.22	7	74	18	97	0.03	0.0	2.506	0.112	0	0	0	26
PD.10106	PL.67089	C	50L	7.44Y	124.0	0.00	0.97	10.22	20	74	18	97	0.00	0.0	2.506	0.112	0	0	0	26
PL.67090	PD.10106	C	6 A (CWC)	7.44Y	124.0	0.01	0.99	10.22	7	74	18	97	0.01	0.0	2.539	0.033	4	1	1	26
PL.67066	PL.67090	C	6 A (CWC)	7.44Y	124.0	0.03	1.02	9.63	7	70	17	97	0.02	0.0	2.607	0.068	0	0	0	25
PL.67051	PL.67066	C	6 A (CWC)	7.44Y	124.0	0.02	1.04	9.63	7	70	17	97	0.01	0.0	2.652	0.045	9	2	2	25
PL.67052	PL.67051	C	6 A (CWC)	7.44Y	123.9	0.04	1.07	8.35	6	60	14	97	0.02	0.0	2.757	0.104	7	2	5	23
PL.67050	PL.67052	C	6 A (CWC)	7.43Y	123.9	0.02	1.10	7.32	5	53	13	97	0.01	0.0	2.828	0.072	0	0	0	18
PL.67049	PL.67050	C	6 A (CWC)	7.43Y	123.9	0.03	1.13	7.32	5	53	13	97	0.01	0.0	2.934	0.106	11	3	3	18
PL.66967	PL.67049	C	6 A (CWC)	7.43Y	123.8	0.02	1.15	5.86	4	42	10	97	0.01	0.0	3.024	0.089	0	0	0	15
PL.66968	PL.66967	C	#2 ACSR	7.43Y	123.8	0.00	1.15	0.72	0	5	1	98	0.00	0.0	3.066	0.042	5	1	1	1
PL.66992	PL.66967	C	6 A (CWC)	7.43Y	123.8	0.02	1.17	5.14	4	37	9	97	0.00	0.0	3.089	0.066	0	0	0	14
PL.66969	PL.66992	C	6 A (CWC)	7.43Y	123.8	0.01	1.18	5.14	4	37	9	97	0.00	0.0	3.129	0.040	7	2	1	14
PL.66993	PL.66969	C	6 A (CWC)	7.43Y	123.8	0.01	1.19	3.49	2	25	6	97	0.00	0.0	3.212	0.083	0	0	0	11

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.66971	PL.66993	C	#4 ACSR	7.43Y	123.8	0.00	1.19	1.65	1	12	3	97	0.00	0.0	3.272	0.060	12	3	3	3
PL.66994	PL.66993	C	6 A (CWC)	7.43Y	123.8	0.01	1.20	1.85	1	13	3	97	0.00	0.0	3.375	0.163	0	0	0	8
PL.67007	PL.66994	C	6 A (CWC)	7.43Y	123.8	0.01	1.22	1.85	1	13	3	97	0.00	0.0	3.541	0.167	0	0	0	8
PL.66972	PL.67007	C	6 A (CWC)	7.43Y	123.8	0.01	1.22	1.85	1	13	3	97	0.00	0.0	3.624	0.082	0	0	0	8
PL.67009	PL.66972	C	6 A (CWC)	7.43Y	123.8	0.01	1.23	1.85	1	13	3	97	0.00	0.0	3.735	0.111	0	0	0	8
PL.67008	PL.67009	C	6 A (CWC)	7.43Y	123.8	0.01	1.24	1.85	1	13	3	97	0.00	0.0	3.826	0.090	0	0	2	8
PL.66973	PL.67008	C	#1/0 ACSR	7.43Y	123.8	0.00	1.24	0.75	0	5	1	98	0.00	0.0	3.875	0.050	5	1	1	1
PL.66974	PL.67008	C	6 A (CWC)	7.43Y	123.8	0.01	1.25	1.06	1	8	2	97	0.00	0.0	3.969	0.144	0	0	0	5
PL.67060	PL.66974	C	6 A (CWC)	7.43Y	123.8	0.00	1.25	1.03	1	7	2	96	0.00	0.0	4.027	0.058	7	2	2	3
PL.67061	PL.67060	C	6 A (CWC)	7.43Y	123.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	4.087	0.060	0	0	0	1
PL.67011	PL.67061	C	6 A (CWC)	7.43Y	123.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	4.193	0.106	0	0	0	1
PL.67010	PL.67011	C	6 A (CWC)	7.43Y	123.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	4.283	0.090	0	0	1	1
PL.67058	PL.66974	C	#4 ACSR	7.43Y	123.8	0.00	1.25	0.03	0	0	0	100	0.00	0.0	4.020	0.051	0	0	1	2
PL.67059	PL.67058	C	#4 ACSR	7.43Y	123.8	0.00	1.25	0.03	0	0	0	100	0.00	0.0	4.052	0.032	0	0	1	1
PL.66970	PL.66969	C	#4 ACSR	7.43Y	123.8	0.00	1.18	0.67	1	5	1	98	0.00	0.0	3.185	0.056	5	1	2	2
PL.67077	PL.67054	C	#4 ACSR	7.45Y	124.1	0.00	0.89	0.68	1	5	1	98	0.00	0.0	2.304	0.005	0	0	0	3
PD.10098	PL.67077	C	30T	7.45Y	124.1	0.00	0.89	0.68	0	5	1	98	0.00	0.0	2.304	0.005	0	0	0	3
PL.67078	PD.10098	C	#4 ACSR	7.45Y	124.1	0.00	0.89	0.68	1	5	1	98	0.00	0.0	2.345	0.041	5	1	3	3
PL.66965	PL.66964	C	#4 ACSR	7.45Y	124.1	0.00	0.87	0.02	0	0	0	100	0.00	0.0	2.269	0.051	0	0	1	1
PL.67074	PL.66953	C	#4 ACSR	7.47Y	124.5	0.00	0.52	1.07	1	8	2	97	0.00	0.0	1.179	0.019	0	0	0	2
PD.10083	PL.67074	C	30T	7.47Y	124.5	0.00	0.52	1.07	0	8	2	97	0.00	0.0	1.179	0.019	0	0	0	2
PL.67073	PD.10083	C	#4 ACSR	7.47Y	124.5	0.00	0.52	1.07	1	8	2	97	0.00	0.0	1.248	0.069	8	2	2	2
PL.67071	PL.67041	A	#4 ACSR	7.47Y	124.6	0.00	0.45	0.50	0	4	1	97	0.00	0.0	1.011	0.005	0	0	0	1
PD.10082	PL.67071	A	30T	7.47Y	124.6	0.00	0.45	0.50	0	4	1	97	0.00	0.0	1.011	0.005	0	0	0	1
PL.67072	PD.10082	A	#4 ACSR	7.47Y	124.5	0.00	0.45	0.50	0	4	1	97	0.00	0.0	1.113	0.102	0	0	0	1
PL.66955	PL.67072	A	#1/0 ACSR	7.47Y	124.5	0.00	0.45	0.00	0	0	0	100	0.00	0.0	1.222	0.109	0	0	0	0
PL.66954	PL.67072	A	#4 ACSR	7.47Y	124.5	0.00	0.45	0.50	0	4	1	97	0.00	0.0	1.217	0.104	4	1	1	1
PL.66950	PL.66948	C	#4 ACSR	7.48Y	124.7	0.00	0.34	2.01	2	15	3	98	0.00	0.0	0.768	0.005	0	0	0	5
PD.10086	PL.66950	C	65T	7.48Y	124.7	0.00	0.34	2.01	0	15	3	98	0.00	0.0	0.768	0.005	0	0	0	5
PL.66951	PD.10086	C	#4 ACSR	7.48Y	124.7	0.00	0.34	1.43	1	10	2	98	0.00	0.0	0.856	0.089	10	2	3	3
PL.67035	PD.10086	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.57	0	4	1	97	0.00	0.0	0.812	0.044	4	1	2	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67036	PL.67035	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.00	0	0	0	100	0.00	0.0	0.861	0.049	0	0	0	0
PL.67085	PL.67029	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.19	3.20	1	65	30	91	0.00	0.0	0.445	0.005	0	0	0	3
PD.10102	PL.67085	ABC	30T	7.49Y	124.8	0.00	0.19	3.20	0	65	30	91	0.00	0.0	0.445	0.005	0	0	0	3
PL.67086	PD.10102	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.19	3.20	1	65	30	91	0.00	0.0	0.469	0.024	8	2	2	3
PL.67031	PL.67086	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.19	2.87	1	58	28	90	0.00	0.0	0.489	0.020	58	28	1	1
PL.67069	PL.67004	A	#4 ACSR	7.50Y	125.0	0.00	0.04	6.64	5	48	11	97	0.00	0.0	0.083	0.005	0	0	0	12
PD.10081	PL.67069	A	65T	7.50Y	125.0	0.00	0.04	6.64	0	48	11	97	0.00	0.0	0.083	0.005	0	0	0	12
PL.67070	PD.10081	A	#4 ACSR	7.50Y	125.0	0.00	0.04	6.64	5	48	11	97	0.00	0.0	0.092	0.009	0	0	0	12
PL.66944	PL.67070	A	#4 ACSR	7.50Y	125.0	0.00	0.04	1.81	1	13	3	97	0.00	0.0	0.124	0.032	13	3	2	2
PL.67024	PL.67070	A	#4 ACSR	7.50Y	125.0	0.01	0.05	4.83	4	35	8	97	0.00	0.0	0.119	0.028	4	1	1	10
PL.67025	PL.67024	A	#4 ACSR	7.50Y	124.9	0.01	0.05	4.25	3	31	7	98	0.00	0.0	0.162	0.043	11	2	4	9
PL.67026	PL.67025	A	#4 ACSR	7.50Y	124.9	0.01	0.06	2.81	2	20	5	97	0.00	0.0	0.229	0.067	12	3	2	5
PL.66945	PL.67026	A	#4 ACSR	7.50Y	124.9	0.00	0.06	1.15	1	8	2	97	0.00	0.0	0.282	0.054	8	2	3	3
P PL.66942	PL.72508	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.031	0.007	0	0	0	0 P
PL.66943	PL.66942	ABC	4/0 AL URD	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.032	0.000	0	0	0	0
PD.10104	PL.66943	ABC	65T	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.032	0.000	0	0	0	0
PL.67003	PD.10104	ABC	4/0 AL URD	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.033	0.001	0	0	0	0
PL.67483	McKee	ABC	636 SPACER	7.50Y	125.0	0.00	0.00	55.44	10	1203	331	96	0.00	0.0	0.005	0.005	0	0	0	305
PL.72505	PL.67483	ABC	636 SPACER	7.50Y	125.0	0.00	0.00	55.44	10	1203	331	96	0.00	0.0	0.007	0.002	0	0	0	305

----- Feeder No. 4 (Sand Gap F4) Beginning with Device PD.10788 -----

PD.10788	PL.72505	ABC	400VWE	7.50Y	125.0	0.00	0.00	55.44	0	1203	331	96	0.00	0.0	0.007	0.002	0	0	0	305
PL.72506	PD.10788	ABC	636 SPACER	7.50Y	125.0	0.02	0.02	55.44	10	1203	331	96	0.03	0.0	0.093	0.087	0	0	0	305
PL.67294	PL.72506	B	#4 ACSR	7.50Y	125.0	0.00	0.02	1.03	1	8	2	97	0.00	0.0	0.098	0.005	0	0	0	3
PD.10111	PL.67294	B	65T	7.50Y	125.0	0.00	0.02	1.03	0	8	2	97	0.00	0.0	0.098	0.005	0	0	0	3
PL.67295	PD.10111	B	#4 ACSR	7.50Y	125.0	0.00	0.02	1.03	1	8	2	97	0.00	0.0	0.110	0.012	8	2	3	3
PL.67221	PL.67295	B	#4 ACSR	7.50Y	125.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.155	0.045	0	0	0	0
PL.67278	PL.72506	ABC	636 SPACER	7.50Y	125.0	0.00	0.02	55.10	10	1195	328	96	0.01	0.0	0.122	0.029	64	31	1	302
PL.67279	PL.67278	ABC	636 SPACER	7.50Y	125.0	0.00	0.03	51.99	10	1131	297	97	0.01	0.0	0.146	0.024	11	3	4	301
PL.67280	PL.67279	ABC	636 SPACER	7.50Y	125.0	0.00	0.03	51.51	9	1121	295	97	0.00	0.0	0.162	0.016	24	12	1	297

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: McKee

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

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

PL.67281	PL.67280	ABC	636 SPACER	7.50Y	125.0	0.00	0.03	50.33	9	1096	283	97	0.01	0.0	0.182	0.021	4	1	3	296
PL.67282	PL.67281	ABC	636 SPACER	7.50Y	125.0	0.00	0.03	50.14	9	1092	282	97	0.00	0.0	0.200	0.018	10	5	3	293
PL.67283	PL.67282	ABC	636 SPACER	7.50Y	125.0	0.00	0.04	49.67	9	1082	277	97	0.00	0.0	0.213	0.013	0	0	0	290
PL.67091	PL.67283	ABC	636 SPACER	7.50Y	125.0	0.01	0.05	49.67	9	1082	277	97	0.02	0.0	0.307	0.094	0	0	0	290
PL.67092	PL.67091	ABC	636 SPACER	7.50Y	124.9	0.01	0.06	49.67	9	1082	277	97	0.02	0.0	0.384	0.077	0	0	0	290
PL.67172	PL.67092	ABC	636 SPACER	7.49Y	124.9	0.03	0.09	49.67	9	1082	276	97	0.04	0.0	0.569	0.186	0	0	0	290
PL.67219	PL.67172	ABC	336 MCM AC	7.49Y	124.9	0.02	0.11	49.67	10	1082	275	97	0.13	0.0	0.634	0.065	6	1	2	290
PL.67220	PL.67219	ABC	336 MCM AC	7.49Y	124.8	0.04	0.15	49.39	10	1076	274	97	0.25	0.0	0.755	0.121	0	0	2	288
PL.67218	PL.67220	ABC	336 MCM AC	7.49Y	124.8	0.02	0.18	49.39	10	1076	273	97	0.12	0.0	0.814	0.060	0	0	0	286
PL.67292	PL.67218	A	#1/0 ACSR	7.49Y	124.8	0.00	0.18	2.69	1	20	5	97	0.00	0.0	0.819	0.005	0	0	0	4
PD.10110	PL.67292	A	65T	7.49Y	124.8	0.00	0.18	2.69	0	20	5	97	0.00	0.0	0.819	0.005	0	0	0	4
PL.67293	PD.10110	A	#1/0 ACSR	7.49Y	124.8	0.00	0.18	2.69	1	20	5	97	0.00	0.0	0.825	0.006	20	5	4	4
PL.67197	PL.67218	ABC	336 MCM AC	7.49Y	124.8	0.01	0.19	48.49	9	1056	268	97	0.07	0.0	0.849	0.035	0	0	0	282
PL.67230	PL.67197	ABC	336 MCM AC	7.49Y	124.8	0.02	0.21	47.83	9	1042	265	97	0.09	0.0	0.898	0.049	4	1	1	279
PL.67231	PL.67230	ABC	336 MCM AC	7.49Y	124.8	0.03	0.24	47.66	9	1038	263	97	0.18	0.0	0.991	0.093	0	0	0	278
PL.67232	PL.67231	ABC	336 MCM AC	7.48Y	124.7	0.02	0.26	47.01	9	1023	260	97	0.12	0.0	1.057	0.066	2	1	1	274
PL.67233	PL.67232	ABC	336 MCM AC	7.48Y	124.7	0.01	0.27	46.90	9	1021	259	97	0.06	0.0	1.089	0.031	2	0	1	273
PL.67222	PL.67233	ABC	336 MCM AC	7.48Y	124.7	0.03	0.30	46.82	9	1019	258	97	0.18	0.0	1.184	0.095	0	0	0	272
PL.67298	PL.67222	C	#4 ACSR	7.48Y	124.7	0.00	0.30	0.86	1	6	1	99	0.00	0.0	1.189	0.005	0	0	0	1
PD.10113	PL.67298	C	65T	7.48Y	124.7	0.00	0.30	0.86	0	6	1	99	0.00	0.0	1.189	0.005	0	0	0	1
PL.67299	PD.10113	C	#4 ACSR	7.48Y	124.7	0.00	0.30	0.86	1	6	1	99	0.00	0.0	1.228	0.039	6	1	1	1
PL.67300	PL.67222	ABC	336 MCM AC	7.48Y	124.7	0.00	0.30	46.00	9	1001	254	97	0.01	0.0	1.188	0.004	0	0	0	269
PL.67301	PL.67300	ABC	336 MCM AC	7.48Y	124.7	0.01	0.32	46.00	9	1001	254	97	0.07	0.0	1.230	0.042	0	0	0	269
PL.67302	PL.67301	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	2.15	1	16	4	97	0.00	0.0	1.235	0.005	0	0	0	6
PD.10114	PL.67302	A	65T	7.48Y	124.7	0.00	0.32	2.15	0	16	4	97	0.00	0.0	1.235	0.005	0	0	0	6
PL.67303	PD.10114	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	2.15	1	16	4	97	0.00	0.0	1.271	0.036	0	0	0	6
PL.67093	PL.67303	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	0.78	0	6	1	99	0.00	0.0	1.304	0.033	6	1	2	2
PL.67094	PL.67303	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	0.83	0	6	1	99	0.00	0.0	1.451	0.180	6	1	2	2
PL.67152	PL.67303	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	0.54	0	4	1	97	0.00	0.0	1.307	0.037	4	1	2	2
PL.67195	PL.67301	ABC	336 MCM AC	7.48Y	124.7	0.02	0.34	45.28	9	985	250	97	0.12	0.0	1.299	0.069	0	0	0	263
PL.67196	PL.67195	ABC	336 MCM AC	7.48Y	124.6	0.04	0.38	45.28	9	985	249	97	0.19	0.0	1.407	0.108	0	0	0	263

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: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67173	PL.67196	ABC	336 MCM AC	7.48Y	124.6	0.03	0.41	45.28	9	985	249	97	0.16	0.0	1.500	0.093	0	0	0	263
PL.67296	PL.67173	A	#2 ACSR	7.48Y	124.6	0.00	0.41	0.49	0	4	1	97	0.00	0.0	1.505	0.005	0	0	0	1
PD.10112	PL.67296	A	65T	7.48Y	124.6	0.00	0.41	0.49	0	4	1	97	0.00	0.0	1.505	0.005	0	0	0	1
PL.67297	PD.10112	A	#2 ACSR	7.48Y	124.6	0.00	0.41	0.49	0	4	1	97	0.00	0.0	1.550	0.045	4	1	1	1
PL.67096	PL.67173	C	#2 ACSR	7.48Y	124.6	0.00	0.41	13.60	8	99	23	97	0.00	0.0	1.511	0.011	0	0	0	28
PL.67095	PL.67096	C	6 A (CWC)	7.47Y	124.6	0.01	0.42	3.64	3	26	6	97	0.00	0.0	1.610	0.098	26	6	6	6
PL.67154	PL.67096	C	#2 ACSR	7.47Y	124.6	0.02	0.43	9.96	6	72	17	97	0.01	0.0	1.566	0.055	5	1	1	22
PL.67226	PL.67154	C	#4 ACSR	7.47Y	124.6	0.01	0.44	6.78	5	49	12	97	0.00	0.0	1.623	0.057	21	5	4	9
PL.67227	PL.67226	C	#4 ACSR	7.47Y	124.6	0.00	0.45	3.93	3	29	7	97	0.00	0.0	1.654	0.030	6	1	3	5
PL.67223	PL.67227	C	#4 ACSR	7.47Y	124.6	0.00	0.45	3.08	2	22	5	98	0.00	0.0	1.672	0.019	0	0	1	2
PL.67224	PL.67223	C	#4 ACSR	7.47Y	124.5	0.00	0.45	3.07	2	22	5	98	0.00	0.0	1.696	0.024	0	0	0	1
PL.67225	PL.67224	C	#4 ACSR	7.47Y	124.5	0.00	0.45	3.07	2	22	5	98	0.00	0.0	1.705	0.009	22	5	1	1
PL.67155	PL.67154	C	#2 ACSR	7.47Y	124.6	0.00	0.43	2.54	1	19	4	98	0.00	0.0	1.607	0.041	0	0	0	12
PL.67368	PL.67155	C	#2 ACSR	7.47Y	124.6	0.00	0.43	2.54	1	19	4	98	0.00	0.0	1.609	0.003	0	0	0	12
PD.10146	PL.67368	C	50L	7.47Y	124.6	0.00	0.43	2.54	5	19	4	98	0.00	0.0	1.609	0.003	0	0	0	12
PL.67369	PD.10146	C	#2 ACSR	7.47Y	124.6	0.01	0.44	2.54	1	19	4	98	0.00	0.0	1.718	0.109	0	0	0	12
PL.67216	PL.67369	C	#2 ACSR	7.47Y	124.5	0.01	0.45	2.54	1	19	4	98	0.00	0.0	1.869	0.150	2	0	1	12
PL.67217	PL.67216	C	#2 ACSR	7.47Y	124.5	0.01	0.46	2.30	1	17	4	97	0.00	0.0	1.960	0.091	2	0	2	11
PL.67215	PL.67217	C	#2 ACSR	7.47Y	124.5	0.01	0.46	2.04	1	15	4	97	0.00	0.0	2.078	0.118	3	1	1	9
PL.67214	PL.67215	C	#2 ACSR	7.47Y	124.5	0.01	0.47	1.62	1	12	3	97	0.00	0.0	2.220	0.142	2	0	2	8
PL.67212	PL.67214	C	#2 ACSR	7.47Y	124.5	0.01	0.48	1.37	1	10	2	98	0.00	0.0	2.352	0.131	0	0	1	6
PL.67213	PL.67212	C	#2 ACSR	7.47Y	124.5	0.00	0.48	1.35	1	10	2	98	0.00	0.0	2.426	0.074	0	0	0	5
PL.67210	PL.67213	C	#2 ACSR	7.47Y	124.5	0.00	0.48	0.47	0	3	1	95	0.00	0.0	2.502	0.076	1	0	1	3
PL.67211	PL.67210	C	#2 ACSR	7.47Y	124.5	0.00	0.48	0.27	0	2	0	100	0.00	0.0	2.549	0.047	0	0	1	2
PL.67098	PL.67211	C	#2 ACSR	7.47Y	124.5	0.00	0.48	0.27	0	2	0	100	0.00	0.0	2.616	0.067	2	0	1	1
PL.67097	PL.67213	C	#4 ACSR	7.47Y	124.5	0.00	0.48	0.88	1	6	2	95	0.00	0.0	2.442	0.017	6	2	2	2
PL.67153	PL.67173	ABC	336 MCM AC	7.47Y	124.6	0.04	0.45	40.58	8	882	224	97	0.21	0.0	1.649	0.149	0	0	0	234
PL.67099	PL.67153	ABC	336 MCM AC	7.47Y	124.5	0.03	0.48	40.58	8	882	224	97	0.14	0.0	1.750	0.101	4	1	1	234
PL.67100	PL.67099	ABC	336 MCM AC	7.47Y	124.5	0.03	0.51	39.80	8	865	219	97	0.14	0.0	1.858	0.108	0	0	0	232
PL.67174	PL.67100	ABC	336 MCM AC	7.47Y	124.5	0.04	0.55	39.80	8	865	219	97	0.17	0.0	1.986	0.128	0	0	0	232
PL.67308	PL.67174	C	#4 ACSR	7.47Y	124.5	0.00	0.55	0.73	1	5	1	98	0.00	0.0	1.991	0.005	0	0	0	1

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10117	PL.67308	C	65T	7.47Y	124.5	0.00	0.55	0.73	0	5	1	98	0.00	0.0	1.991	0.005	0	0	0	1
PL.67309	PD.10117	C	#4 ACSR	7.47Y	124.5	0.00	0.55	0.73	1	5	1	98	0.00	0.0	2.021	0.030	5	1	1	1
PL.67156	PL.67174	ABC	336 MCM AC	7.47Y	124.4	0.01	0.55	39.56	8	859	217	97	0.03	0.0	2.008	0.022	0	0	0	231
PL.67101	PL.67156	ABC	336 MCM AC	7.46Y	124.4	0.03	0.58	39.56	8	859	217	97	0.14	0.0	2.113	0.106	0	0	0	231
PL.67175	PL.67101	ABC	336 MCM AC	7.46Y	124.4	0.05	0.63	39.56	8	859	217	97	0.24	0.0	2.294	0.181	1	0	1	231
PL.67370	PL.67175	A	#1/0 ACSR	7.46Y	124.4	0.00	0.64	27.32	12	198	47	97	0.00	0.0	2.297	0.003	0	0	0	56
C PD.10147	PL.67370	A	35L	7.46Y	124.4	0.00	0.64	27.32	78	198	47	97	0.00	0.0	2.297	0.003	0	0	0	56 C
PL.67371	PD.10147	A	#1/0 ACSR	7.46Y	124.3	0.03	0.66	27.32	12	198	47	97	0.03	0.0	2.341	0.044	7	2	4	56
PL.67102	PL.67371	A	#4 ACSR	7.46Y	124.3	0.00	0.66	2.68	2	19	5	97	0.00	0.0	2.359	0.018	19	5	10	10
PL.67228	PL.67371	A	#1/0 ACSR	7.46Y	124.3	0.08	0.75	23.70	10	172	41	97	0.09	0.1	2.502	0.161	9	2	1	42
PL.67229	PL.67228	A	#1/0 ACSR	7.45Y	124.2	0.03	0.78	22.49	10	163	39	97	0.03	0.0	2.557	0.056	0	0	0	41
PL.67103	PL.67229	A	#4 ACSR	7.45Y	124.2	0.00	0.78	1.08	1	8	2	97	0.00	0.0	2.602	0.045	8	2	2	2
PL.67104	PL.67229	A	#4 ACSR	7.45Y	124.2	0.00	0.78	1.82	1	13	3	97	0.00	0.0	2.584	0.027	0	0	0	5
PL.67123	PL.67104	A	#4 ACSR	7.45Y	124.2	0.00	0.78	1.82	1	13	3	97	0.00	0.0	2.654	0.070	13	3	5	5
PL.67158	PL.67229	A	#1/0 ACSR	7.45Y	124.2	0.02	0.80	19.59	9	142	34	97	0.02	0.0	2.613	0.056	0	0	0	34
PL.67105	PL.67158	A	#1/0 ACSR	7.45Y	124.2	0.02	0.82	19.59	9	142	34	97	0.02	0.0	2.652	0.039	0	0	0	34
PL.67208	PL.67105	A	#1/0 ACSR	7.45Y	124.2	0.02	0.84	15.83	7	115	27	97	0.01	0.0	2.703	0.051	0	0	1	26
PL.67209	PL.67208	A	#1/0 ACSR	7.45Y	124.1	0.02	0.85	15.79	7	114	27	97	0.01	0.0	2.758	0.055	4	1	1	25
PL.67205	PL.67209	A	#1/0 ACSR	7.45Y	124.1	0.02	0.87	15.29	7	111	26	97	0.01	0.0	2.803	0.046	0	0	0	24
PL.67290	PL.67205	A	6 A (CWC)	7.45Y	124.1	0.00	0.87	2.13	2	15	4	97	0.00	0.0	2.807	0.004	0	0	0	7
PD.10109	PL.67290	A	15T	7.45Y	124.1	0.00	0.87	2.13	0	15	4	97	0.00	0.0	2.807	0.004	0	0	0	7
PL.67291	PD.10109	A	6 A (CWC)	7.45Y	124.1	0.01	0.88	2.13	2	15	4	97	0.00	0.0	2.895	0.087	1	0	2	7
PL.67204	PL.67291	A	6 A (CWC)	7.45Y	124.1	0.01	0.89	2.01	1	15	3	98	0.00	0.0	3.048	0.154	9	2	1	5
PL.67203	PL.67204	A	6 A (CWC)	7.45Y	124.1	0.00	0.89	0.79	1	6	1	99	0.00	0.0	3.144	0.095	0	0	0	4
PL.67270	PL.67203	A	6 A (CWC)	7.45Y	124.1	0.00	0.90	0.79	1	6	1	99	0.00	0.0	3.241	0.097	0	0	2	4
PL.67271	PL.67270	A	6 A (CWC)	7.45Y	124.1	0.00	0.90	0.79	1	6	1	99	0.00	0.0	3.294	0.053	0	0	0	2
PL.67107	PL.67271	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	0.31	0	2	1	89	0.00	0.0	3.315	0.021	2	1	1	1
PL.67159	PL.67271	A	6 A (CWC)	7.45Y	124.1	0.00	0.90	0.48	0	3	1	95	0.00	0.0	3.409	0.115	0	0	0	1
PL.67176	PL.67159	A	6 A (CWC)	7.45Y	124.1	0.00	0.90	0.48	0	3	1	95	0.00	0.0	3.597	0.189	0	0	0	1
PL.67108	PL.67176	A	#4 ACSR	7.45Y	124.1	0.00	0.91	0.48	0	3	1	95	0.00	0.0	3.671	0.074	3	1	1	1
PL.67160	PL.67176	A	6 A (CWC)	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	3.639	0.042	0	0	0	0

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67275	PL.67205	A	6 A (CWC)	7.44Y	124.1	0.07	0.95	13.16	9	95	23	97	0.05	0.1	2.928	0.125	0	0	1	17
PL.67276	PL.67275	A	6 A (CWC)	7.44Y	124.0	0.04	0.99	13.16	9	95	23	97	0.03	0.0	2.997	0.069	4	1	1	16
PL.67202	PL.67276	A	6 A (CWC)	7.44Y	124.0	0.02	1.01	12.65	9	92	22	97	0.01	0.0	3.035	0.038	0	0	0	15
PL.67109	PL.67202	A	6 A (CWC)	7.44Y	124.0	0.04	1.04	12.65	9	92	22	97	0.03	0.0	3.100	0.065	0	0	0	15
PL.67192	PL.67109	A	6 A (CWC)	7.44Y	124.0	0.00	1.05	12.65	9	92	22	97	0.00	0.0	3.105	0.005	0	0	0	15
PD.10108	PL.67192	A	15T	7.44Y	124.0	0.00	1.05	12.65	0	91	22	97	0.00	0.0	3.105	0.005	0	0	0	15
PL.67110	PD.10108	A	#1/0 ACSR	7.44Y	124.0	0.00	1.05	2.15	1	16	4	97	0.00	0.0	3.131	0.027	16	4	2	2
PL.67193	PD.10108	A	6 A (CWC)	7.43Y	123.9	0.05	1.10	10.50	7	76	18	97	0.03	0.0	3.210	0.105	0	0	0	13
PL.67177	PL.67193	A	6 A (CWC)	7.43Y	123.9	0.05	1.15	10.50	7	76	18	97	0.03	0.0	3.318	0.108	0	0	0	13
PL.67200	PL.67177	A	6 A (CWC)	7.43Y	123.8	0.05	1.20	10.50	7	76	18	97	0.03	0.0	3.428	0.110	8	2	1	13
PL.67201	PL.67200	A	6 A (CWC)	7.43Y	123.8	0.05	1.25	9.45	7	68	16	97	0.03	0.0	3.549	0.121	0	0	0	12
PL.67111	PL.67201	A	6 A (CWC)	7.42Y	123.7	0.04	1.29	9.45	7	68	16	97	0.02	0.0	3.649	0.101	0	0	0	12
PL.67178	PL.67111	A	6 A (CWC)	7.42Y	123.7	0.04	1.33	9.45	7	68	16	97	0.02	0.0	3.739	0.089	0	0	0	12
PL.67161	PL.67178	A	6 A (CWC)	7.42Y	123.6	0.03	1.36	7.43	5	54	13	97	0.01	0.0	3.817	0.078	0	0	0	9
PL.67114	PL.67161	A	6 A (CWC)	7.42Y	123.6	0.04	1.39	7.43	5	54	13	97	0.01	0.0	3.928	0.111	0	0	0	9
PL.67186	PL.67114	A	6 A (CWC)	7.41Y	123.6	0.03	1.42	7.43	5	54	13	97	0.01	0.0	4.011	0.083	0	0	0	9
PL.67187	PL.67186	A	6 A (CWC)	7.41Y	123.5	0.03	1.45	7.43	5	54	13	97	0.01	0.0	4.108	0.097	0	0	0	9
PL.67116	PL.67187	A	#1/0 ACSR	7.41Y	123.5	0.00	1.45	0.72	0	5	1	98	0.00	0.0	4.139	0.031	5	1	1	1
PL.67117	PL.67187	A	6 A (CWC)	7.41Y	123.5	0.04	1.49	6.71	5	48	11	97	0.01	0.0	4.224	0.116	0	0	0	8
PL.67179	PL.67117	A	6 A (CWC)	7.41Y	123.5	0.02	1.51	6.71	5	48	11	97	0.01	0.0	4.302	0.078	0	0	0	8
PL.67180	PL.67179	A	6 A (CWC)	7.41Y	123.5	0.03	1.55	6.71	5	48	11	97	0.01	0.0	4.414	0.112	0	0	0	8
PL.67118	PL.67180	A	6 A (CWC)	7.41Y	123.4	0.03	1.58	6.71	5	48	11	97	0.01	0.0	4.523	0.109	0	0	0	8
PL.67119	PL.67118	A	6 A (CWC)	7.40Y	123.4	0.03	1.61	6.71	5	48	11	97	0.01	0.0	4.609	0.087	0	0	1	8
PL.67183	PL.67119	A	#4 ACSR	7.40Y	123.4	0.01	1.61	2.45	2	18	4	98	0.00	0.0	4.675	0.066	0	0	0	1
PL.67184	PL.67183	A	#4 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	4.744	0.068	0	0	0	0
PL.67120	PL.67183	A	#4 ACSR	7.40Y	123.4	0.00	1.62	2.45	2	18	4	98	0.00	0.0	4.743	0.068	18	4	1	1
PL.67273	PL.67119	A	#4 ACSR	7.40Y	123.4	0.02	1.63	4.26	3	31	7	98	0.01	0.0	4.737	0.128	0	0	1	6
PL.67274	PL.67273	A	#4 ACSR	7.40Y	123.3	0.02	1.65	4.20	3	30	7	97	0.01	0.0	4.856	0.119	0	0	0	5
PL.67121	PL.67274	A	#4 ACSR	7.40Y	123.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	4.898	0.042	0	0	1	1
PL.67198	PL.67274	A	#4 ACSR	7.40Y	123.3	0.01	1.66	4.20	3	30	7	97	0.00	0.0	4.885	0.029	3	1	1	4
PL.67199	PL.67198	A	#4 ACSR	7.40Y	123.3	0.00	1.66	3.75	3	27	6	98	0.00	0.0	4.916	0.031	16	4	1	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67122	PL.67199	A	#4 ACSR	7.40Y	123.3	0.00	1.66	1.46	1	11	2	98	0.00	0.0	4.943	0.027	11	2	2	2
PL.67115	PL.67186	A	#4 ACSR	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	4.072	0.061	0	0	0	0
PL.67113	PL.67178	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	1.50	1	11	3	96	0.00	0.0	3.810	0.071	11	3	2	2
PL.67112	PL.67178	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	0.51	0	4	1	97	0.00	0.0	3.803	0.064	4	1	1	1
PL.67106	PL.67105	A	#4 ACSR	7.45Y	124.2	0.00	0.82	2.27	2	16	4	97	0.00	0.0	2.682	0.030	16	4	5	5
PL.67206	PL.67105	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	1.48	1	11	3	96	0.00	0.0	2.666	0.014	8	2	2	3
PL.67207	PL.67206	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	0.42	0	3	1	95	0.00	0.0	2.712	0.046	3	1	1	1
PL.67157	PL.67175	ABC	336 MCM AC	7.46Y	124.3	0.02	0.65	30.43	6	660	169	97	0.07	0.0	2.385	0.091	0	0	0	174
PL.67366	PL.67157	A	#2 ACSR	7.46Y	124.3	0.00	0.66	0.93	1	7	2	96	0.00	0.0	2.389	0.005	0	0	0	2
PD.10145	PL.67366	A	65T	7.46Y	124.3	0.00	0.66	0.93	0	7	2	96	0.00	0.0	2.389	0.005	0	0	0	2
PL.67367	PD.10145	A	#2 ACSR	7.46Y	124.3	0.00	0.66	0.93	1	7	2	96	0.00	0.0	2.410	0.020	7	2	2	2
PL.67162	PL.67157	ABC	336 MCM AC	7.46Y	124.3	0.01	0.66	30.12	6	653	167	97	0.03	0.0	2.418	0.033	0	0	0	172
PL.67171	PL.67162	ABC	336 MCM AC	7.46Y	124.3	0.01	0.68	29.35	6	636	163	97	0.05	0.0	2.481	0.064	0	0	0	169
PL.67124	PL.67171	ABC	336 MCM AC	7.46Y	124.3	0.01	0.69	29.35	6	636	163	97	0.03	0.0	2.528	0.047	0	0	0	169
PL.67310	PL.67124	A	#4 ACSR	7.46Y	124.3	0.00	0.69	0.53	0	4	1	97	0.00	0.0	2.533	0.005	0	0	0	2
PD.10118	PL.67310	A	65T	7.46Y	124.3	0.00	0.69	0.53	0	4	1	97	0.00	0.0	2.533	0.005	0	0	0	2
PL.67311	PD.10118	A	#4 ACSR	7.46Y	124.3	0.00	0.69	0.53	0	4	1	97	0.00	0.0	2.564	0.032	4	1	2	2
PL.67163	PL.67124	ABC	336 MCM AC	7.46Y	124.3	0.02	0.71	29.17	6	632	162	97	0.08	0.0	2.639	0.111	0	0	0	167
PL.67164	PL.67163	ABC	336 MCM AC	7.46Y	124.3	0.03	0.74	28.89	6	626	160	97	0.10	0.0	2.785	0.147	0	0	0	166
PL.67336	PL.67164	ABC	336 MCM AC	7.46Y	124.3	0.00	0.74	28.75	6	623	159	97	0.00	0.0	2.790	0.004	0	0	0	164
PL.67337	PL.67336	ABC	336 MCM AC	7.46Y	124.3	0.01	0.75	28.75	6	623	159	97	0.02	0.0	2.823	0.034	0	0	0	164
PL.67332	PL.67337	C	#4 ACSR	7.46Y	124.3	0.00	0.75	0.64	0	5	1	98	0.00	0.0	2.828	0.005	0	0	0	2
PD.10129	PL.67332	C	65T	7.46Y	124.3	0.00	0.75	0.64	0	5	1	98	0.00	0.0	2.828	0.005	0	0	0	2
PL.67333	PD.10129	C	#4 ACSR	7.46Y	124.3	0.00	0.75	0.64	0	5	1	98	0.00	0.0	2.848	0.021	5	1	2	2
PL.67194	PL.67337	ABC	336 MCM AC	7.45Y	124.2	0.02	0.77	28.54	5	618	158	97	0.06	0.0	2.912	0.089	0	0	0	162
PL.67286	PL.67194	ABC	336 MCM AC	7.45Y	124.2	0.01	0.78	28.24	5	612	157	97	0.03	0.0	2.962	0.050	41	20	1	159
PL.67287	PL.67286	ABC	336 MCM AC	7.45Y	124.2	0.01	0.79	26.25	5	571	137	97	0.03	0.0	3.017	0.055	0	0	0	158
PL.67338	PL.67287	C	#4 ACSR	7.45Y	124.2	0.00	0.79	2.48	2	18	4	98	0.00	0.0	3.022	0.005	0	0	0	8
PD.10131	PL.67338	C	65T	7.45Y	124.2	0.00	0.79	2.48	0	18	4	98	0.00	0.0	3.022	0.005	0	0	0	8
PL.67339	PD.10131	C	#4 ACSR	7.45Y	124.2	0.00	0.79	2.48	2	18	4	98	0.00	0.0	3.064	0.042	8	2	3	8
PL.67266	PL.67339	C	#1/0 ACSR	7.45Y	124.2	0.00	0.79	1.44	1	10	2	98	0.00	0.0	3.088	0.024	5	1	4	5

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67267	PL.67266	C	#1/0 ACSR	7.45Y	124.2	0.00	0.79	0.73	0	5	1	98	0.00	0.0	3.213	0.125	0	0	0	1
PL.67181	PL.67267	C	#1/0 ACSR	7.45Y	124.2	0.00	0.79	0.73	0	5	1	98	0.00	0.0	3.305	0.092	5	1	1	1
PL.67350	PL.67287	C	#4 ACSR	7.45Y	124.2	0.00	0.79	1.16	1	8	2	97	0.00	0.0	3.022	0.005	0	0	0	2
PD.10137	PL.67350	C	65T	7.45Y	124.2	0.00	0.79	1.16	0	8	2	97	0.00	0.0	3.022	0.005	0	0	0	2
PL.67351	PD.10137	C	#4 ACSR	7.45Y	124.2	0.00	0.79	1.16	1	8	2	97	0.00	0.0	3.142	0.120	8	2	1	2
PL.67268	PL.67351	C	#4 ACSR	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	3.180	0.038	0	0	1	1
PL.67269	PL.67268	C	#4 ACSR	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	3.233	0.053	0	0	0	0
PL.67165	PL.67287	ABC	336 MCM AC	7.45Y	124.2	0.02	0.80	25.03	5	544	130	97	0.05	0.0	3.117	0.100	12	3	4	148
PL.67284	PL.67165	ABC	336 MCM AC	7.45Y	124.2	0.01	0.81	24.50	5	533	127	97	0.02	0.0	3.164	0.048	0	0	1	144
PL.67285	PL.67284	ABC	336 MCM AC	7.45Y	124.2	0.01	0.82	24.49	5	532	127	97	0.03	0.0	3.215	0.051	13	3	5	143
PL.67250	PL.67285	ABC	336 MCM AC	7.45Y	124.2	0.01	0.83	23.91	5	520	124	97	0.02	0.0	3.261	0.046	0	0	0	138
PL.67125	PL.67250	ABC	336 MCM AC	7.45Y	124.2	0.01	0.84	22.70	4	493	118	97	0.02	0.0	3.315	0.054	0	0	0	134
PL.67354	PL.67125	C	#4 ACSR	7.45Y	124.2	0.00	0.84	2.70	2	20	5	97	0.00	0.0	3.320	0.005	0	0	0	3
PD.10139	PL.67354	C	65T	7.45Y	124.2	0.00	0.84	2.70	0	20	5	97	0.00	0.0	3.320	0.005	0	0	0	3
PL.67355	PD.10139	C	#4 ACSR	7.45Y	124.2	0.01	0.84	2.70	2	20	5	97	0.00	0.0	3.371	0.051	3	1	1	3
PL.67272	PL.67355	C	#4 ACSR	7.45Y	124.2	0.00	0.85	2.30	2	17	4	97	0.00	0.0	3.399	0.029	7	2	1	2
PL.67249	PL.67272	C	#4 ACSR	7.45Y	124.2	0.00	0.85	1.35	1	10	2	98	0.00	0.0	3.433	0.033	0	0	0	1
PL.67127	PL.67249	C	#4 ACSR	7.45Y	124.1	0.00	0.85	1.35	1	10	2	98	0.00	0.0	3.533	0.100	10	2	1	1
PL.67251	PL.67125	ABC	336 MCM AC	7.45Y	124.1	0.02	0.86	21.80	4	474	113	97	0.06	0.0	3.461	0.146	3	1	2	131
PL.67252	PL.67251	ABC	336 MCM AC	7.45Y	124.1	0.01	0.86	21.65	4	470	112	97	0.01	0.0	3.496	0.035	0	0	1	129
PL.67260	PL.67252	ABC	336 MCM AC	7.45Y	124.1	0.01	0.87	21.65	4	470	112	97	0.02	0.0	3.557	0.061	0	0	0	128
PL.67261	PL.67260	ABC	336 MCM AC	7.45Y	124.1	0.01	0.88	21.65	4	470	112	97	0.02	0.0	3.602	0.045	0	0	0	128
PL.67128	PL.67261	ABC	336 MCM AC	7.45Y	124.1	0.01	0.89	20.39	4	443	106	97	0.02	0.0	3.656	0.055	0	0	0	120
PL.67135	PL.67128	ABC	#3/0 ACSR	7.45Y	124.1	0.02	0.91	20.39	7	443	106	97	0.07	0.0	3.752	0.095	0	0	0	120
PL.67190	PL.67135	ABC	#3/0 ACSR	7.44Y	124.1	0.02	0.94	19.82	7	431	103	97	0.06	0.0	3.847	0.095	0	0	0	116
PL.67191	PL.67190	ABC	#3/0 ACSR	7.44Y	124.0	0.02	0.96	18.41	6	400	95	97	0.06	0.0	3.947	0.100	0	0	0	111
PL.67182	PL.67191	ABC	#3/0 ACSR	7.44Y	124.0	0.03	0.99	18.41	6	400	95	97	0.07	0.0	4.078	0.131	0	0	0	111
PL.67318	PL.67182	C	#4 ACSR	7.44Y	124.0	0.00	0.99	4.66	4	34	8	97	0.00	0.0	4.083	0.005	0	0	0	11
PD.10122	PL.67318	C	65T	7.44Y	124.0	0.00	0.99	4.66	0	34	8	97	0.00	0.0	4.083	0.005	0	0	0	11
PL.67319	PD.10122	C	#4 ACSR	7.44Y	124.0	0.00	0.99	4.66	4	34	8	97	0.00	0.0	4.118	0.035	26	6	10	11
PL.67138	PL.67319	C	#4 ACSR	7.44Y	124.0	0.00	0.99	1.05	1	8	2	97	0.00	0.0	4.163	0.045	8	2	1	1

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67189	PL.67182	ABC	#3/0 ACSR	7.44Y	124.0	0.02	1.01	16.86	6	366	87	97	0.05	0.0	4.177	0.099	14	3	1	100
PL.67254	PL.67189	ABC	#3/0 ACSR	7.44Y	124.0	0.01	1.02	15.20	5	330	79	97	0.02	0.0	4.223	0.046	32	7	7	95
PL.67255	PL.67254	ABC	#3/0 ACSR	7.44Y	124.0	0.01	1.02	13.75	5	299	71	97	0.01	0.0	4.267	0.044	0	0	0	88
PL.67139	PL.67255	ABC	#3/0 ACSR	7.44Y	124.0	0.00	1.03	13.75	5	299	71	97	0.01	0.0	4.289	0.022	3	1	5	88
PL.67314	PL.67139	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	3.04	2	22	5	98	0.00	0.0	4.294	0.005	0	0	0	6
PD.10120	PL.67314	C	65T	7.44Y	124.0	0.00	1.03	3.04	0	22	5	98	0.00	0.0	4.294	0.005	0	0	0	6
PL.67315	PD.10120	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	3.04	2	22	5	98	0.00	0.0	4.324	0.031	9	2	3	6
PL.67253	PL.67315	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	1.86	1	13	3	97	0.00	0.0	4.362	0.038	0	0	0	3
PL.67142	PL.67253	C	#4 ACSR	7.44Y	124.0	0.00	1.04	1.86	1	13	3	97	0.00	0.0	4.406	0.044	13	3	3	3
PL.67168	PL.67253	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	4.430	0.068	0	0	0	0
PL.67167	PL.67139	ABC	#3/0 ACSR	7.44Y	124.0	0.01	1.04	12.61	4	274	65	97	0.02	0.0	4.363	0.074	12	3	6	77
PL.67316	PL.67167	C	6 A (CWC)	7.44Y	124.0	0.00	1.04	1.77	1	13	3	97	0.00	0.0	4.368	0.005	0	0	0	4
PD.10121	PL.67316	C	65T	7.44Y	124.0	0.00	1.04	1.77	0	13	3	97	0.00	0.0	4.368	0.005	0	0	0	4
PL.67317	PD.10121	C	6 A (CWC)	7.44Y	124.0	0.00	1.04	1.77	1	13	3	97	0.00	0.0	4.435	0.067	3	1	2	4
PL.67143	PL.67317	C	6 A (CWC)	7.44Y	124.0	0.00	1.05	1.35	1	10	2	98	0.00	0.0	4.507	0.071	5	1	1	2
PL.67144	PL.67143	C	#2 ACSR	7.44Y	124.0	0.00	1.05	0.69	0	5	1	98	0.00	0.0	4.541	0.034	5	1	1	1
PL.67169	PL.67167	ABC	#3/0 ACSR	7.44Y	123.9	0.01	1.05	11.46	4	249	59	97	0.02	0.0	4.463	0.099	21	5	4	67
PL.67141	PL.67169	ABC	#3/0 ACSR	7.44Y	123.9	0.01	1.06	10.50	4	228	54	97	0.01	0.0	4.513	0.050	6	1	2	63
PL.67170	PL.67141	ABC	#3/0 ACSR	7.44Y	123.9	0.01	1.06	10.20	3	221	53	97	0.01	0.0	4.559	0.046	15	4	2	60
PL.67188	PL.67170	ABC	#3/0 ACSR	7.44Y	123.9	0.00	1.07	2.76	1	60	14	97	0.00	0.0	4.660	0.101	7	2	2	15
PL.67331	PL.67188	A	#4 ACSR	7.44Y	123.9	0.00	1.07	3.21	2	23	6	97	0.00	0.0	4.665	0.005	0	0	0	4
PD.10128	PL.67331	A	65T	7.44Y	123.9	0.00	1.07	3.21	0	23	6	97	0.00	0.0	4.665	0.005	0	0	0	4
PL.67330	PD.10128	A	#4 ACSR	7.44Y	123.9	0.00	1.07	3.21	2	23	6	97	0.00	0.0	4.719	0.054	23	6	4	4
PL.67263	PL.67188	ABC	#3/0 ACSR	7.44Y	123.9	0.00	1.07	1.20	0	26	6	97	0.00	0.0	4.702	0.042	0	0	1	8
PL.67264	PL.67263	ABC	#3/0 ACSR	7.44Y	123.9	0.00	1.07	1.20	0	26	6	97	0.00	0.0	4.754	0.052	0	0	1	7
PL.67265	PL.67264	ABC	#3/0 ACSR	7.44Y	123.9	0.00	1.07	1.18	0	26	6	97	0.00	0.0	4.826	0.072	3	1	1	6
PL.67145	PL.67265	ABC	#3/0 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	4.837	0.011	0	0	0	0
PD.4086-B	PL.67145	ABC	Open	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	4.837	0.011	0	0	0	0
PL.67326	PL.67265	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	1.32	1	10	2	98	0.00	0.0	4.830	0.005	0	0	0	2
PD.10126	PL.67326	A	65T	7.44Y	123.9	0.00	1.07	1.32	0	10	2	98	0.00	0.0	4.830	0.005	0	0	0	2
PL.67327	PD.10126	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	1.32	1	10	2	98	0.00	0.0	4.955	0.124	6	2	1	2

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67151	PL.67327	A	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.44	0	3	1	95	0.00	0.0	5.063	0.108	3	1	1	1
PL.67364	PL.67265	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	1.78	1	13	3	97	0.00	0.0	4.830	0.005	0	0	0	3
PD.10144	PL.67364	C	65T	7.44Y	123.9	0.00	1.07	1.78	0	13	3	97	0.00	0.0	4.830	0.005	0	0	0	3
PL.67365	PD.10144	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	1.78	1	13	3	97	0.00	0.0	4.859	0.028	13	3	3	3
PL.67362	PL.67188	C	#4 ACSR	7.44Y	123.9	0.00	1.07	0.49	0	4	1	97	0.00	0.0	4.665	0.005	0	0	0	1
PD.10143	PL.67362	C	65T	7.44Y	123.9	0.00	1.07	0.49	0	4	1	97	0.00	0.0	4.665	0.005	0	0	0	1
PL.67363	PD.10143	C	#4 ACSR	7.44Y	123.9	0.00	1.07	0.49	0	4	1	97	0.00	0.0	4.694	0.030	4	1	1	1
PL.67372	PL.67170	C	#1/0 ACSR	7.44Y	123.9	0.02	1.08	20.24	9	146	35	97	0.02	0.0	4.593	0.034	0	0	0	43
PD.10148	PL.67372	C	35L	7.44Y	123.9	0.00	1.08	20.24	58	146	35	97	0.00	0.0	4.593	0.034	0	0	0	43
PL.67373	PD.10148	C	#1/0 ACSR	7.43Y	123.9	0.01	1.09	20.24	9	146	35	97	0.01	0.0	4.617	0.023	16	4	3	43
PL.67262	PL.67373	C	#1/0 ACSR	7.43Y	123.8	0.07	1.16	18.05	8	131	31	97	0.06	0.0	4.785	0.168	0	0	0	40
PL.67241	PL.67262	C	#1/0 ACSR	7.43Y	123.8	0.01	1.17	16.44	7	119	28	97	0.01	0.0	4.825	0.040	24	6	4	37
PL.67242	PL.67241	C	#1/0 ACSR	7.43Y	123.8	0.02	1.19	13.13	6	95	23	97	0.01	0.0	4.884	0.060	12	3	3	33
PL.67243	PL.67242	C	#1/0 ACSR	7.43Y	123.8	0.01	1.20	11.50	5	83	20	97	0.01	0.0	4.930	0.046	24	6	4	30
PL.67244	PL.67243	C	#1/0 ACSR	7.43Y	123.8	0.01	1.21	8.14	4	59	14	97	0.00	0.0	5.000	0.070	25	6	11	26
PL.67147	PL.67244	C	#4 ACSR	7.43Y	123.8	0.00	1.21	0.59	0	4	1	97	0.00	0.0	5.045	0.045	4	1	1	1
PL.67185	PL.67244	C	#1/0 ACSR	7.43Y	123.8	0.01	1.21	4.04	2	29	7	97	0.00	0.0	5.056	0.056	0	0	0	14
PL.67239	PL.67185	C	#1/0 ACSR	7.43Y	123.8	0.00	1.21	3.09	1	22	5	98	0.00	0.0	5.096	0.040	7	2	3	9
PL.67240	PL.67239	C	#1/0 ACSR	7.43Y	123.8	0.00	1.22	2.15	1	16	4	97	0.00	0.0	5.171	0.076	7	2	1	6
PL.67237	PL.67240	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.81	1	6	1	99	0.00	0.0	5.222	0.051	0	0	1	4
PL.67238	PL.67237	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.81	1	6	1	99	0.00	0.0	5.258	0.036	0	0	2	3
PL.67234	PL.67238	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.74	1	5	1	98	0.00	0.0	5.361	0.103	5	1	1	1
PL.67150	PL.67240	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.34	0	2	1	89	0.00	0.0	5.343	0.172	0	0	0	1
PL.67235	PL.67150	C	#1/0 ACSR	7.43Y	123.8	0.00	1.22	0.34	0	2	1	89	0.00	0.0	5.444	0.101	0	0	0	1
PL.67236	PL.67235	C	#1/0 ACSR	7.43Y	123.8	0.00	1.22	0.34	0	2	1	89	0.00	0.0	5.577	0.133	2	1	1	1
PL.67148	PL.67185	C	#1/0 ACSR	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	5.106	0.050	0	0	4	4
PL.67149	PL.67185	C	#4 ACSR	7.43Y	123.8	0.00	1.21	0.95	1	7	2	96	0.00	0.0	5.093	0.038	7	2	1	1
PL.67146	PL.67262	C	#4 ACSR	7.43Y	123.8	0.00	1.16	1.61	1	12	3	97	0.00	0.0	4.831	0.046	12	3	3	3
PL.67328	PL.67141	A	#4 ACSR	7.44Y	123.9	0.00	1.06	0.03	0	0	0	100	0.00	0.0	4.518	0.005	0	0	0	1
PD.10127	PL.67328	A	65T	7.44Y	123.9	0.00	1.06	0.03	0	0	0	100	0.00	0.0	4.518	0.005	0	0	0	1
PL.67329	PD.10127	A	#4 ACSR	7.44Y	123.9	0.00	1.06	0.03	0	0	0	100	0.00	0.0	4.545	0.027	0	0	1	1

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.67360	PL.67189	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	3.02	2	22	5	98	0.00	0.0	4.182	0.005	0	0	0	4
PD.10142	PL.67360	C	65T	7.44Y	124.0	0.00	1.01	3.02	0	22	5	98	0.00	0.0	4.182	0.005	0	0	0	4
PL.67361	PD.10142	C	6 A (CWC)	7.44Y	124.0	0.01	1.01	3.02	2	22	5	98	0.00	0.0	4.248	0.066	15	4	3	4
PL.67140	PL.67361	C	#4 ACSR	7.44Y	124.0	0.00	1.01	0.88	1	6	2	95	0.00	0.0	4.280	0.032	6	2	1	1
PL.67358	PL.67190	A	#4 ACSR	7.44Y	124.1	0.00	0.94	1.55	1	11	3	96	0.00	0.0	3.851	0.005	0	0	0	2
PD.10141	PL.67358	A	65T	7.44Y	124.1	0.00	0.94	1.55	0	11	3	96	0.00	0.0	3.851	0.005	0	0	0	2
PL.67359	PD.10141	A	#4 ACSR	7.44Y	124.1	0.00	0.94	1.55	1	11	3	96	0.00	0.0	3.978	0.127	11	3	2	2
PL.67324	PL.67190	C	#4 ACSR	7.44Y	124.1	0.00	0.94	2.66	2	19	5	97	0.00	0.0	3.852	0.005	0	0	0	3
PD.10125	PL.67324	C	65T	7.44Y	124.1	0.00	0.94	2.66	0	19	5	97	0.00	0.0	3.852	0.005	0	0	0	3
PL.67325	PD.10125	C	#4 ACSR	7.44Y	124.1	0.00	0.94	2.66	2	19	5	97	0.00	0.0	3.894	0.042	9	2	1	3
PL.67256	PL.67325	C	#4 ACSR	7.44Y	124.1	0.00	0.94	1.48	1	11	3	96	0.00	0.0	3.947	0.053	3	1	1	2
PL.67137	PL.67256	C	#4 ACSR	7.44Y	124.1	0.00	0.95	1.01	1	7	2	96	0.00	0.0	4.048	0.101	7	2	1	1
PL.67356	PL.67135	C	#4 ACSR	7.45Y	124.1	0.00	0.91	0.69	1	5	1	98	0.00	0.0	3.756	0.005	0	0	0	2
PD.10140	PL.67356	C	65T	7.45Y	124.1	0.00	0.91	0.69	0	5	1	98	0.00	0.0	3.756	0.005	0	0	0	2
PL.67357	PD.10140	C	#4 ACSR	7.45Y	124.1	0.00	0.91	0.69	1	5	1	98	0.00	0.0	3.779	0.023	5	1	2	2
PL.67322	PL.67135	A	#4 ACSR	7.45Y	124.1	0.00	0.91	1.02	1	7	2	96	0.00	0.0	3.756	0.005	0	0	0	2
PD.10124	PL.67322	A	65T	7.45Y	124.1	0.00	0.91	1.02	0	7	2	96	0.00	0.0	3.756	0.005	0	0	0	2
PL.67323	PD.10124	A	#4 ACSR	7.45Y	124.1	0.00	0.91	1.02	1	7	2	96	0.00	0.0	3.810	0.054	2	0	1	2
PL.67257	PL.67323	A	#4 ACSR	7.45Y	124.1	0.00	0.92	0.76	1	5	1	98	0.00	0.0	3.871	0.061	5	1	1	1
PL.67136	PL.67257	A	#1/0 ACSR	7.45Y	124.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	3.921	0.050	0	0	0	0
PL.67320	PL.67261	C	#4 ACSR	7.45Y	124.1	0.00	0.88	3.78	3	27	6	98	0.00	0.0	3.606	0.005	0	0	0	8
PD.10123	PL.67320	C	65T	7.45Y	124.1	0.00	0.88	3.78	0	27	6	98	0.00	0.0	3.606	0.005	0	0	0	8
PL.67321	PD.10123	C	#4 ACSR	7.45Y	124.1	0.00	0.89	3.78	3	27	6	98	0.00	0.0	3.628	0.022	0	0	0	8
PL.67247	PL.67321	C	6 A (CWC)	7.45Y	124.1	0.00	0.89	3.78	3	27	6	98	0.00	0.0	3.656	0.028	4	1	1	8
PL.67248	PL.67247	C	6 A (CWC)	7.45Y	124.1	0.01	0.90	3.23	2	23	6	97	0.00	0.0	3.699	0.044	0	0	0	7
PL.67129	PL.67248	C	#4 ACSR	7.45Y	124.1	0.00	0.90	1.25	1	9	2	98	0.00	0.0	3.743	0.044	9	2	2	2
PL.67166	PL.67248	C	6 A (CWC)	7.45Y	124.1	0.01	0.90	1.97	1	14	3	98	0.00	0.0	3.788	0.089	0	0	0	5
PL.67245	PL.67166	C	6 A (CWC)	7.45Y	124.1	0.00	0.91	1.21	1	9	2	98	0.00	0.0	3.869	0.081	0	0	1	4
PL.67246	PL.67245	C	6 A (CWC)	7.44Y	124.1	0.01	0.92	1.21	1	9	2	98	0.00	0.0	4.022	0.153	0	0	0	3
PL.67131	PL.67246	C	#4 ACSR	7.44Y	124.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	4.147	0.126	0	0	1	1
PL.67133	PL.67131	C	#4 ACSR	7.44Y	124.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	4.190	0.043	0	0	0	0

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.67132	PL.67246	C	#4 ACSR	7.44Y	124.1	0.00	0.92	1.21	1	9	2	98	0.00	0.0	4.067	0.045	9	2	2	2
PL.67130	PL.67166	C	#4 ACSR	7.45Y	124.1	0.00	0.91	0.76	1	6	1	99	0.00	0.0	3.888	0.099	6	1	1	1
PL.67352	PL.67250	A	#4 ACSR	7.45Y	124.2	0.00	0.83	3.64	3	26	6	97	0.00	0.0	3.266	0.005	0	0	0	4
PD.10138	PL.67352	A	65T	7.45Y	124.2	0.00	0.83	3.64	0	26	6	97	0.00	0.0	3.266	0.005	0	0	0	4
PL.67353	PD.10138	A	#4 ACSR	7.45Y	124.2	0.01	0.84	3.64	3	26	6	97	0.00	0.0	3.352	0.086	0	0	0	4
PL.67258	PL.67353	A	#4 ACSR	7.45Y	124.1	0.01	0.85	2.32	2	17	4	97	0.00	0.0	3.434	0.082	0	0	0	2
PL.67259	PL.67258	A	#4 ACSR	7.45Y	124.1	0.00	0.85	1.05	1	8	2	97	0.00	0.0	3.452	0.018	8	2	1	1
PL.72936	PL.67258	A	#1/0 ACSR	7.45Y	124.1	0.00	0.85	1.27	1	9	2	98	0.00	0.0	3.458	0.024	9	2	1	1
PL.67126	PL.67353	A	#4 ACSR	7.45Y	124.2	0.00	0.84	1.32	1	10	2	98	0.00	0.0	3.424	0.073	10	2	2	2
PL.67340	PL.67194	C	#4 ACSR	7.45Y	124.2	0.00	0.77	0.91	1	7	2	96	0.00	0.0	2.917	0.005	0	0	0	3
PD.10132	PL.67340	C	65T	7.45Y	124.2	0.00	0.77	0.91	0	7	2	96	0.00	0.0	2.917	0.005	0	0	0	3
PL.67341	PD.10132	C	#4 ACSR	7.45Y	124.2	0.00	0.77	0.91	1	7	2	96	0.00	0.0	2.925	0.009	7	2	3	3
PL.67334	PL.67164	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.42	0	3	1	95	0.00	0.0	2.790	0.005	0	0	0	2
PD.10130	PL.67334	C	65T	7.46Y	124.3	0.00	0.74	0.42	0	3	1	95	0.00	0.0	2.790	0.005	0	0	0	2
PL.67335	PD.10130	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.42	0	3	1	95	0.00	0.0	2.862	0.072	3	1	2	2
PL.67348	PL.67163	C	#4 ACSR	7.46Y	124.3	0.00	0.71	0.85	1	6	1	99	0.00	0.0	2.643	0.005	0	0	0	1
PD.10136	PL.67348	C	65T	7.46Y	124.3	0.00	0.71	0.85	0	6	1	99	0.00	0.0	2.643	0.005	0	0	0	1
PL.67349	PD.10136	C	#4 ACSR	7.46Y	124.3	0.00	0.71	0.85	1	6	1	99	0.00	0.0	2.662	0.019	6	1	1	1
PL.67346	PL.67162	A	#2 ACSR	7.46Y	124.3	0.00	0.66	1.50	1	11	3	96	0.00	0.0	2.422	0.005	0	0	0	2
PD.10135	PL.67346	A	65T	7.46Y	124.3	0.00	0.66	1.50	0	11	3	96	0.00	0.0	2.422	0.005	0	0	0	2
PL.67347	PD.10135	A	#2 ACSR	7.46Y	124.3	0.00	0.66	1.50	1	11	3	96	0.00	0.0	2.452	0.029	11	3	2	2
PL.67306	PL.67162	C	#1/0 ACSR	7.46Y	124.3	0.00	0.66	0.80	0	6	1	99	0.00	0.0	2.422	0.005	0	0	0	1
PD.10116	PL.67306	C	65T	7.46Y	124.3	0.00	0.66	0.80	0	6	1	99	0.00	0.0	2.422	0.005	0	0	0	1
PL.67307	PD.10116	C	#1/0 ACSR	7.46Y	124.3	0.00	0.66	0.80	0	6	1	99	0.00	0.0	2.443	0.021	6	1	1	1
PL.67304	PL.67099	C	#4 ACSR	7.47Y	124.5	0.00	0.48	1.74	1	13	3	97	0.00	0.0	1.753	0.003	0	0	0	1
PD.10115	PL.67304	C	65T	7.47Y	124.5	0.00	0.48	1.74	0	13	3	97	0.00	0.0	1.753	0.003	0	0	0	1
PL.67305	PD.10115	C	#4 ACSR	7.47Y	124.5	0.00	0.48	1.74	1	13	3	97	0.00	0.0	1.829	0.076	13	3	1	1
PL.67344	PL.67222	C	#4 ACSR	7.48Y	124.7	0.00	0.30	1.60	1	12	3	97	0.00	0.0	1.189	0.005	0	0	0	2
PD.10134	PL.67344	C	65T	7.48Y	124.7	0.00	0.30	1.60	0	12	3	97	0.00	0.0	1.189	0.005	0	0	0	2
PL.67345	PD.10134	C	#4 ACSR	7.48Y	124.7	0.00	0.30	1.60	1	12	3	97	0.00	0.0	1.226	0.037	12	3	2	2
PL.67313	PL.67231	C	#1/0 ACSR	7.49Y	124.8	0.00	0.24	1.94	1	14	3	98	0.00	0.0	0.996	0.005	0	0	0	4

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10119	PL.67313	C	65T	7.49Y	124.8	0.00	0.24	1.94	0	14	3	98	0.00	0.0	0.996	0.005	0	0	0	4
PL.67312	PD.10119	C	#1/0 ACSR	7.49Y	124.8	0.00	0.24	1.94	1	14	3	98	0.00	0.0	1.033	0.037	14	3	4	4
PL.67342	PL.67197	A	#4 ACSR	7.49Y	124.8	0.00	0.19	1.97	2	14	3	98	0.00	0.0	0.854	0.005	0	0	0	3
PD.10133	PL.67342	A	65T	7.49Y	124.8	0.00	0.19	1.97	0	14	3	98	0.00	0.0	0.854	0.005	0	0	0	3
PL.67343	PD.10133	A	#4 ACSR	7.49Y	124.8	0.00	0.19	1.97	2	14	3	98	0.00	0.0	0.913	0.059	6	2	2	3
PL.67277	PL.67343	A	#4 ACSR	7.49Y	124.8	0.00	0.19	1.08	1	8	2	97	0.00	0.0	0.961	0.049	8	2	1	1
PL.67485	McKee	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	87.80	17	1897	552	96	0.01	0.0	0.006	0.006	0	0	0	662
PL.72503	PL.67485	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	87.80	17	1897	552	96	0.00	0.0	0.008	0.002	0	0	0	662

----- Feeder No. 1 (Bills Branch F1) Beginning with Device PD.10787 -----

PD.10787	PL.72503	ABC	400VWE	7.50Y	125.0	0.00	0.00	87.80	0	1897	552	96	0.00	0.0	0.008	0.002	0	0	0	662
PL.72504	PD.10787	ABC	397 SPACER	7.50Y	125.0	0.03	0.03	87.80	17	1897	552	96	0.12	0.0	0.126	0.119	0	0	0	662
PL.66443	PL.72504	ABC	397 SPACER	7.50Y	124.9	0.04	0.07	87.80	17	1897	551	96	0.15	0.0	0.270	0.144	0	0	0	662
PL.66441	PL.66443	ABC	397 SPACER	7.49Y	124.9	0.02	0.09	87.80	17	1897	549	96	0.07	0.0	0.344	0.074	0	0	0	662
PL.66442	PL.66441	ABC	397 SPACER	7.49Y	124.9	0.01	0.11	87.80	17	1897	548	96	0.05	0.0	0.389	0.044	0	0	0	662
PL.66440	PL.66442	ABC	397 SPACER	7.49Y	124.9	0.03	0.13	87.80	17	1896	547	96	0.10	0.0	0.484	0.096	0	0	0	662
PL.66793	PL.66440	ABC	336 MCM AC	7.49Y	124.8	0.04	0.17	87.80	17	1896	546	96	0.36	0.0	0.539	0.055	0	0	0	662
PL.66794	PL.66793	ABC	336 MCM AC	7.49Y	124.8	0.05	0.22	87.80	17	1896	545	96	0.53	0.0	0.621	0.081	0	0	0	662
PL.66444	PL.66794	ABC	336 MCM AC	7.48Y	124.7	0.03	0.26	87.23	17	1883	541	96	0.33	0.0	0.672	0.051	8	2	2	660
PL.66893	PL.66444	C	#2 ACSR	7.48Y	124.7	0.00	0.26	1.50	1	11	3	96	0.00	0.0	0.677	0.005	0	0	0	2
PD.10055	PL.66893	C	65T	7.48Y	124.7	0.00	0.26	1.50	0	11	3	96	0.00	0.0	0.677	0.005	0	0	0	2
PL.66892	PD.10055	C	#2 ACSR	7.48Y	124.7	0.00	0.26	1.50	1	11	3	96	0.00	0.0	0.697	0.020	11	3	2	2
PL.66795	PL.66444	ABC	336 MCM AC	7.48Y	124.7	0.03	0.29	86.37	17	1864	536	96	0.31	0.0	0.722	0.050	12	3	1	656
PL.66796	PL.66795	ABC	336 MCM AC	7.48Y	124.7	0.03	0.32	85.84	17	1852	533	96	0.31	0.0	0.772	0.050	0	0	0	655
PL.66888	PL.66796	C	#2 ACSR	7.48Y	124.7	0.00	0.32	2.37	1	17	4	97	0.00	0.0	0.777	0.005	0	0	0	5
PD.10053	PL.66888	C	65T	7.48Y	124.7	0.00	0.32	2.37	0	17	4	97	0.00	0.0	0.777	0.005	0	0	0	5
PL.66889	PD.10053	C	#2 ACSR	7.48Y	124.7	0.00	0.32	2.37	1	17	4	97	0.00	0.0	0.811	0.034	4	1	1	5
PL.66791	PL.66889	C	#2 ACSR	7.48Y	124.7	0.00	0.32	1.82	1	13	3	97	0.00	0.0	0.843	0.032	6	1	1	4
PL.66792	PL.66791	C	#2 ACSR	7.48Y	124.7	0.00	0.33	1.06	1	8	2	97	0.00	0.0	0.887	0.044	8	2	3	3
PL.66445	PL.66796	ABC	336 MCM AC	7.48Y	124.6	0.09	0.42	85.05	16	1834	528	96	0.90	0.0	0.919	0.148	0	0	0	650

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66886	PL.66445	C	#2 ACSR	7.48Y	124.6	0.00	0.42	2.39	1	17	4	97	0.00	0.0	0.924	0.005	0	0	0	7
PD.10052	PL.66886	C	65T	7.48Y	124.6	0.00	0.42	2.39	0	17	4	97	0.00	0.0	0.924	0.005	0	0	0	7
PL.66887	PD.10052	C	#2 ACSR	7.47Y	124.6	0.00	0.42	2.39	1	17	4	97	0.00	0.0	0.981	0.056	0	0	1	7
PL.66790	PL.66887	C	#2 ACSR	7.47Y	124.6	0.00	0.42	2.37	1	17	4	97	0.00	0.0	1.035	0.054	12	3	3	6
PL.66285	PL.66790	C	#2 ACSR	7.47Y	124.6	0.00	0.42	0.71	0	5	1	98	0.00	0.0	1.086	0.051	5	1	3	3
PL.66446	PL.66445	ABC	336 MCM AC	7.47Y	124.5	0.04	0.46	84.25	16	1816	522	96	0.41	0.0	0.988	0.069	2	1	1	643
PL.66675	PL.66446	ABC	336 MCM AC	7.47Y	124.5	0.07	0.53	83.72	16	1804	518	96	0.68	0.0	1.103	0.115	0	0	0	640
PL.66787	PL.66675	ABC	336 MCM AC	7.47Y	124.4	0.04	0.57	70.56	14	1516	448	96	0.32	0.0	1.180	0.077	0	0	1	471
PL.66788	PL.66787	ABC	336 MCM AC	7.46Y	124.4	0.02	0.60	70.56	14	1516	447	96	0.19	0.0	1.226	0.046	0	0	0	470
PL.66671	PL.66788	ABC	336 MCM AC	7.46Y	124.4	0.02	0.62	70.56	14	1515	447	96	0.19	0.0	1.271	0.045	0	0	0	470
PL.66672	PL.66671	ABC	336 MCM AC	7.46Y	124.4	0.00	0.62	70.56	14	1515	446	96	0.01	0.0	1.273	0.002	0	0	0	470
PL.66276	PL.66672	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	4.99	2	36	9	97	0.00	0.0	1.274	0.001	0	0	0	11
PD.10048	PL.66276	A	65T	7.46Y	124.4	0.00	0.62	4.99	0	36	9	97	0.00	0.0	1.274	0.001	0	0	0	11
PL.66669	PD.10048	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	4.99	2	36	9	97	0.00	0.0	1.275	0.001	0	0	0	11
PL.66670	PL.66669	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	4.99	2	36	9	97	0.00	0.0	1.327	0.053	36	9	11	11
PL.66279	PL.66670	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	1.343	0.016	0	0	0	0
PL.66668	PL.66672	ABC	336 MCM AC	7.46Y	124.4	0.01	0.63	68.90	13	1479	438	96	0.08	0.0	1.293	0.020	15	3	4	459
PL.66894	PL.66668	A	#2 ACSR	7.46Y	124.4	0.00	0.63	0.99	1	7	2	96	0.00	0.0	1.298	0.005	0	0	0	4
PD.10056	PL.66894	A	65T	7.46Y	124.4	0.00	0.63	0.99	0	7	2	96	0.00	0.0	1.298	0.005	0	0	0	4
PL.66895	PD.10056	A	#2 ACSR	7.46Y	124.4	0.00	0.63	0.99	1	7	2	96	0.00	0.0	1.351	0.053	7	2	4	4
PL.66784	PL.66895	A	#2 ACSR	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	1.391	0.040	0	0	0	0
PL.66667	PL.66668	ABC	336 MCM AC	7.46Y	124.3	0.06	0.70	67.90	13	1457	432	96	0.47	0.0	1.415	0.122	0	0	0	451
PL.66451	PL.66667	ABC	336 MCM AC	7.46Y	124.3	0.03	0.73	57.20	11	1238	325	97	0.20	0.0	1.488	0.073	1	0	2	450
PL.66286	PL.66451	ABC	336 MCM AC	7.45Y	124.2	0.06	0.78	54.98	11	1189	313	97	0.36	0.0	1.628	0.140	0	0	0	433
PL.66934	PL.66286	ABC	336 MCM AC	7.45Y	124.2	0.04	0.82	54.98	11	1189	312	97	0.27	0.0	1.736	0.108	0	0	0	433
PD.10076-A	PL.66934	ABC	Closed	7.45Y	124.2	0.00	0.82	54.98	0	1189	312	97	0.00	0.0	1.736	0.108	0	0	0	433
PD.10076-B	PD.10076-A	ABC	Closed	7.45Y	124.2	0.00	0.82	54.98	0	1189	312	97	0.00	0.0	1.736	0.108	0	0	0	433
PL.66935	PD.10076-B	ABC	336 MCM AC	7.45Y	124.1	0.06	0.89	54.98	11	1189	312	97	0.39	0.0	1.888	0.152	0	0	0	433
PL.66452	PL.66935	ABC	336 MCM AC	7.44Y	124.0	0.06	0.95	54.71	11	1182	310	97	0.41	0.0	2.050	0.162	0	0	0	430
PL.66568	PL.66452	ABC	336 MCM AC	7.44Y	124.0	0.03	0.98	54.71	11	1182	309	97	0.20	0.0	2.127	0.077	0	0	0	430
PL.66641	PL.66568	ABC	336 MCM AC	7.44Y	124.0	0.05	1.03	54.71	11	1182	308	97	0.30	0.0	2.245	0.118	0	0	0	430

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

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

PL.66569	PL.66641	ABC	336 MCM AC	7.43Y	123.9	0.07	1.10	54.71	11	1181	307	97	0.47	0.0	2.430	0.185	0	0	0	430
PL.66752	PL.66569	ABC	336 MCM AC	7.43Y	123.9	0.04	1.14	52.95	10	1145	289	97	0.26	0.0	2.541	0.111	7	2	1	429
PL.66753	PL.66752	ABC	336 MCM AC	7.43Y	123.8	0.04	1.19	52.64	10	1138	287	97	0.26	0.0	2.654	0.113	0	0	0	428
PL.66289	PL.66753	ABC	#1/0 ACSR	7.42Y	123.7	0.15	1.34	52.64	23	1138	286	97	1.21	0.1	2.819	0.164	0	0	0	428
PL.66940	PL.66289	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.35	52.64	23	1137	285	97	0.03	0.0	2.823	0.004	0	0	0	428
PL.66941	PL.66940	ABC	#1/0 ACSR	7.41Y	123.6	0.10	1.45	52.64	23	1137	285	97	0.81	0.1	2.932	0.109	0	0	0	428
PL.66750	PL.66941	ABC	#1/0 ACSR	7.41Y	123.5	0.09	1.54	52.33	23	1129	283	97	0.74	0.1	3.034	0.102	4	1	1	427
PL.66751	PL.66750	ABC	#1/0 ACSR	7.40Y	123.3	0.13	1.68	52.17	23	1125	281	97	1.04	0.1	3.178	0.143	4	1	2	426
PL.66900	PL.66751	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.97	1	7	2	96	0.00	0.0	3.182	0.005	0	0	0	1
PD.10059	PL.66900	C	65T	7.40Y	123.3	0.00	1.68	0.97	0	7	2	96	0.00	0.0	3.182	0.005	0	0	0	1
PL.66901	PD.10059	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.97	1	7	2	96	0.00	0.0	3.211	0.029	7	2	1	1
PL.66290	PL.66751	ABC	#1/0 ACSR	7.39Y	123.2	0.10	1.77	51.15	22	1102	275	97	0.73	0.1	3.282	0.105	0	0	0	422
PL.66571	PL.66290	ABC	#1/0 ACSR	7.39Y	123.2	0.08	1.85	51.15	22	1101	274	97	0.61	0.1	3.370	0.087	0	0	0	422
PL.66732	PL.66571	A	#4 ACSR	7.39Y	123.1	0.00	1.85	2.24	2	16	4	97	0.00	0.0	3.426	0.056	4	1	1	3
PL.66902	PL.66732	A	#4 ACSR	7.39Y	123.1	0.00	1.86	1.67	1	12	3	97	0.00	0.0	3.430	0.005	0	0	0	2
PD.10060	PL.66902	A	65T	7.39Y	123.1	0.00	1.86	1.67	0	12	3	97	0.00	0.0	3.430	0.005	0	0	0	2
PL.66903	PD.10060	A	#4 ACSR	7.39Y	123.1	0.00	1.86	1.67	1	12	3	97	0.00	0.0	3.451	0.021	12	3	2	2
PL.66730	PL.66571	ABC	#1/0 ACSR	7.38Y	123.1	0.08	1.93	49.68	22	1069	266	97	0.58	0.1	3.459	0.089	14	3	2	415
PL.66731	PL.66730	ABC	#1/0 ACSR	7.38Y	123.0	0.07	2.00	49.01	21	1054	262	97	0.53	0.1	3.543	0.084	7	2	6	413
PL.66453	PL.66731	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.01	48.68	21	1046	260	97	0.05	0.0	3.551	0.008	0	0	0	407
PL.66454	PL.66453	ABC	#1/0 ACSR	7.38Y	123.0	0.04	2.05	36.03	16	773	195	97	0.20	0.0	3.609	0.058	6	1	1	316
PL.66311	PL.66454	ABC	#1/0 ACSR	7.37Y	122.9	0.06	2.11	35.77	16	768	193	97	0.32	0.0	3.704	0.095	3	1	1	315
PL.66728	PL.66311	ABC	#1/0 ACSR	7.37Y	122.8	0.06	2.16	35.31	15	758	191	97	0.30	0.0	3.795	0.091	5	1	1	310
PL.66729	PL.66728	ABC	#1/0 ACSR	7.36Y	122.7	0.10	2.26	35.07	15	752	189	97	0.51	0.1	3.949	0.154	0	0	0	309
PL.66573	PL.66729	ABC	#1/0 ACSR	7.36Y	122.6	0.11	2.37	35.07	15	752	189	97	0.57	0.1	4.122	0.173	0	0	0	309
PL.66574	PL.66573	ABC	#1/0 ACSR	7.35Y	122.5	0.09	2.46	35.07	15	751	188	97	0.48	0.1	4.270	0.147	0	0	0	309
PL.66575	PL.66574	ABC	#1/0 ACSR	7.35Y	122.5	0.06	2.51	35.07	15	750	188	97	0.29	0.0	4.359	0.089	0	0	0	309
PL.66642	PL.66575	ABC	#1/0 ACSR	7.35Y	122.4	0.06	2.58	35.07	15	750	187	97	0.33	0.0	4.459	0.100	0	0	0	309
PL.66314	PL.66642	ABC	#1/0 ACSR	7.34Y	122.3	0.11	2.69	35.07	15	750	187	97	0.58	0.1	4.635	0.176	0	0	0	309
PL.66577	PL.66314	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.72	35.07	15	749	187	97	0.16	0.0	4.682	0.048	0	0	0	309
PL.66576	PL.66577	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.78	35.07	15	749	186	97	0.34	0.0	4.785	0.103	0	0	0	309

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: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66639	PL.66576	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.78	35.07	15	749	186	97	0.01	0.0	4.788	0.003	0	0	0	309
RG.63	PL.66639	ABC	114.3 KVA	7.47Y	124.6	-2.34	0.45	35.07	23	749	186	97	percent Boost=	1.88	Tap=	3.0				309
PL.66653	RG.63	ABC	#1/0 ACSR	7.47Y	124.6	0.00	0.45	34.42	15	749	186	97	0.01	0.0	4.791	0.003	0	0	0	309
PL.66640	PL.66653	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.47	34.42	15	749	186	97	0.08	0.0	4.818	0.027	4	1	1	309
PL.66536	PL.66640	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.49	33.39	15	726	181	97	0.11	0.0	4.855	0.037	0	0	0	305
PL.66936	PL.66536	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.49	33.39	15	726	181	97	0.01	0.0	4.858	0.003	0	0	0	305
PD.10078	PL.66936	ABC	70L	7.47Y	124.5	0.00	0.49	33.39	48	726	181	97	0.00	0.0	4.858	0.003	0	0	0	305
PL.66937	PD.10078	ABC	#1/0 ACSR	7.46Y	124.4	0.11	0.60	33.39	15	726	181	97	0.55	0.1	5.043	0.185	0	0	0	305
PL.66582	PL.66937	ABC	#1/0 ACSR	7.46Y	124.3	0.08	0.67	33.39	15	726	180	97	0.38	0.1	5.171	0.128	0	0	0	305
PL.66584	PL.66582	ABC	#1/0 ACSR	7.46Y	124.3	0.04	0.71	33.39	15	725	180	97	0.19	0.0	5.233	0.062	0	0	0	305
PL.66583	PL.66584	ABC	#1/0 ACSR	7.45Y	124.2	0.06	0.77	33.39	15	725	180	97	0.31	0.0	5.338	0.105	0	0	0	305
PL.66585	PL.66583	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.83	33.39	15	725	179	97	0.26	0.0	5.427	0.089	0	0	0	305
PL.66586	PL.66585	ABC	#1/0 ACSR	7.45Y	124.1	0.04	0.87	33.39	15	725	179	97	0.22	0.0	5.502	0.076	0	0	0	305
PL.66587	PL.66586	ABC	#1/0 ACSR	7.44Y	124.1	0.06	0.93	33.39	15	724	179	97	0.32	0.0	5.610	0.107	9	2	1	305
PL.66315	PL.66587	ABC	#1/0 ACSR	7.44Y	124.0	0.06	1.00	33.00	14	715	176	97	0.30	0.0	5.714	0.104	0	0	0	304
PL.66829	PL.66315	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.92	1	7	2	96	0.00	0.0	5.762	0.048	0	0	0	5
PD.10021	PL.66829	A	30T	7.44Y	124.0	0.00	1.00	0.92	0	7	2	96	0.00	0.0	5.762	0.048	0	0	0	5
PL.66830	PD.10021	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.92	1	7	2	96	0.00	0.0	5.807	0.045	0	0	0	5
PL.66589	PL.66830	A	6 A (CWC)	7.44Y	124.0	0.01	1.00	0.92	1	7	2	96	0.00	0.0	5.930	0.122	0	0	0	5
PL.66588	PL.66589	A	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.92	1	7	2	96	0.00	0.0	6.041	0.111	0	0	0	5
PL.66590	PL.66588	A	6 A (CWC)	7.44Y	124.0	0.01	1.01	0.92	1	7	2	96	0.00	0.0	6.219	0.178	4	1	1	5
PL.66317	PL.66590	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.34	0	2	1	89	0.00	0.0	6.275	0.056	0	0	1	4
PL.66318	PL.66317	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.30	0	2	1	89	0.00	0.0	6.453	0.178	0	0	0	3
PL.66591	PL.66318	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.30	0	2	1	89	0.00	0.0	6.634	0.181	0	0	0	3
PL.66592	PL.66591	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.30	0	2	1	89	0.00	0.0	6.793	0.159	1	0	1	3
PL.66319	PL.66592	A	#4 ACSR	7.44Y	124.0	0.00	1.02	0.16	0	1	0	100	0.00	0.0	6.928	0.134	0	0	0	2
PL.66593	PL.66319	A	#4 ACSR	7.44Y	124.0	0.00	1.02	0.16	0	1	0	100	0.00	0.0	7.108	0.180	0	0	0	2
PL.66594	PL.66593	A	#4 ACSR	7.44Y	124.0	0.00	1.02	0.16	0	1	0	100	0.00	0.0	7.245	0.137	0	0	0	2
PL.66595	PL.66594	A	#4 ACSR	7.44Y	124.0	0.00	1.03	0.16	0	1	0	100	0.00	0.0	7.399	0.154	0	0	0	2
PL.66596	PL.66595	A	#4 ACSR	7.44Y	124.0	0.00	1.03	0.16	0	1	0	100	0.00	0.0	7.582	0.183	0	0	0	2
PL.66597	PL.66596	A	#4 ACSR	7.44Y	124.0	0.00	1.03	0.16	0	1	0	100	0.00	0.0	7.714	0.132	0	0	0	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66320	PL.66597	A	#4 ACSR	7.44Y	124.0	0.00	1.03	0.16	0	1	0	100	0.00	0.0	7.859	0.145	0	0	0	2
PL.66598	PL.66320	A	#4 ACSR	7.44Y	124.0	0.00	1.03	0.16	0	1	0	100	0.00	0.0	7.947	0.088	1	0	2	2
PL.66537	PL.66315	ABC	#1/0 ACSR	7.44Y	123.9	0.06	1.05	32.69	14	709	175	97	0.29	0.0	5.814	0.101	0	0	0	299
PL.66316	PL.66537	ABC	#1/0 ACSR	7.43Y	123.9	0.06	1.11	32.69	14	708	174	97	0.30	0.0	5.918	0.104	0	0	0	299
PL.66714	PL.66316	ABC	#1/0 ACSR	7.43Y	123.8	0.08	1.19	32.69	14	708	174	97	0.39	0.1	6.055	0.137	3	1	1	299
PL.66715	PL.66714	ABC	#1/0 ACSR	7.42Y	123.7	0.10	1.29	32.54	14	704	173	97	0.48	0.1	6.227	0.172	0	0	0	298
PL.66599	PL.66715	ABC	#1/0 ACSR	7.42Y	123.6	0.07	1.36	32.54	14	704	172	97	0.33	0.0	6.345	0.118	0	0	0	298
PL.66600	PL.66599	ABC	#1/0 ACSR	7.41Y	123.6	0.08	1.44	32.54	14	703	172	97	0.38	0.1	6.481	0.135	0	0	0	298
PL.66601	PL.66600	ABC	#1/0 ACSR	7.41Y	123.5	0.07	1.51	32.54	14	703	172	97	0.33	0.0	6.597	0.117	0	0	0	298
PL.66602	PL.66601	ABC	#1/0 ACSR	7.41Y	123.4	0.06	1.57	32.54	14	703	171	97	0.31	0.0	6.705	0.108	0	0	0	298
PL.66710	PL.66602	ABC	#1/0 ACSR	7.40Y	123.4	0.06	1.63	32.54	14	702	171	97	0.27	0.0	6.803	0.097	2	1	1	298
PL.66711	PL.66710	ABC	#1/0 ACSR	7.40Y	123.3	0.07	1.69	32.44	14	700	170	97	0.32	0.0	6.917	0.114	0	0	0	297
PL.66929	PL.66711	A	#4 ACSR	7.40Y	123.3	0.00	1.69	1.28	1	9	2	98	0.00	0.0	6.922	0.005	0	0	0	2
PD.10073	PL.66929	A	30T	7.40Y	123.3	0.00	1.69	1.28	0	9	2	98	0.00	0.0	6.922	0.005	0	0	0	2
PL.66928	PD.10073	A	#4 ACSR	7.40Y	123.3	0.00	1.69	1.28	1	9	2	98	0.00	0.0	6.986	0.064	9	2	2	2
PL.66538	PL.66711	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.75	32.01	14	690	168	97	0.30	0.0	7.027	0.110	0	0	0	295
PL.66321	PL.66538	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.81	32.01	14	690	168	97	0.27	0.0	7.127	0.100	0	0	0	295
PL.66322	PL.66321	ABC	#1/0 ACSR	7.39Y	123.1	0.06	1.87	32.01	14	690	167	97	0.27	0.0	7.225	0.099	0	0	0	294
PL.66327	PL.66322	A	6 A (CWC)	7.39Y	123.1	0.04	1.91	22.49	16	161	39	97	0.05	0.0	7.268	0.043	0	0	0	77
PL.66330	PL.66327	A	#4 ACSR	7.39Y	123.1	0.00	1.91	0.43	0	3	1	95	0.00	0.0	7.300	0.032	3	1	3	3
PL.66331	PL.66327	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	22.06	16	158	38	97	0.00	0.0	7.271	0.003	0	0	0	74
PD.10077	PL.66331	A	50L	7.39Y	123.1	0.00	1.91	22.06	44	158	38	97	0.00	0.0	7.271	0.003	0	0	0	74
PL.66542	PD.10077	A	6 A (CWC)	7.38Y	123.1	0.03	1.94	20.70	15	149	36	97	0.03	0.0	7.301	0.031	0	0	0	72
PL.66332	PL.66542	A	6 A (CWC)	7.37Y	122.9	0.17	2.11	20.70	15	149	36	97	0.18	0.1	7.479	0.178	0	0	0	72
PL.66603	PL.66332	A	6 A (CWC)	7.36Y	122.7	0.18	2.28	20.70	15	148	36	97	0.19	0.1	7.666	0.187	0	0	0	72
PL.66604	PL.66603	A	6 A (CWC)	7.36Y	122.6	0.09	2.37	20.70	15	148	36	97	0.10	0.1	7.763	0.098	0	0	0	72
PL.66333	PL.66604	A	6 A (CWC)	7.35Y	122.5	0.08	2.45	20.70	15	148	36	97	0.09	0.1	7.847	0.084	0	0	0	72
PL.66652	PL.66333	A	6 A (CWC)	7.34Y	122.4	0.13	2.59	20.70	15	148	36	97	0.15	0.1	7.991	0.144	0	0	0	72
PL.66605	PL.66652	A	6 A (CWC)	7.33Y	122.2	0.16	2.75	20.70	15	148	36	97	0.18	0.1	8.166	0.175	0	0	0	72
PL.66543	PL.66605	A	6 A (CWC)	7.33Y	122.1	0.15	2.90	20.57	15	147	35	97	0.17	0.1	8.329	0.164	0	0	0	71
PL.66334	PL.66543	A	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.18	0	1	0	100	0.00	0.0	8.394	0.065	1	0	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66544	PL.66543	A	6 A (CWC)	7.32Y	122.0	0.13	3.03	20.38	15	145	35	97	0.14	0.1	8.471	0.141	0	0	0	70
PL.66606	PL.66544	A	6 A (CWC)	7.31Y	121.9	0.10	3.14	20.38	15	145	35	97	0.11	0.1	8.585	0.114	4	1	3	70
PL.66922	PL.66606	A	6 A (CWC)	7.31Y	121.9	0.00	3.14	2.13	2	15	4	97	0.00	0.0	8.589	0.005	0	0	0	8
PD.10070	PL.66922	A	20T	7.31Y	121.9	0.00	3.14	2.13	0	15	4	97	0.00	0.0	8.589	0.005	0	0	0	8
PL.66923	PD.10070	A	6 A (CWC)	7.31Y	121.8	0.01	3.15	2.13	2	15	4	97	0.00	0.0	8.729	0.139	0	0	0	8
PL.66607	PL.66923	A	6 A (CWC)	7.31Y	121.8	0.01	3.17	2.13	2	15	4	97	0.00	0.0	8.878	0.149	0	0	0	8
PL.66608	PL.66607	A	6 A (CWC)	7.31Y	121.8	0.02	3.18	2.13	2	15	4	97	0.00	0.0	9.064	0.186	0	0	0	8
PL.66703	PL.66608	A	6 A (CWC)	7.31Y	121.8	0.01	3.19	2.13	2	15	4	97	0.00	0.0	9.132	0.068	2	0	1	8
PL.66704	PL.66703	A	6 A (CWC)	7.31Y	121.8	0.01	3.20	1.89	1	13	3	97	0.00	0.0	9.296	0.164	0	0	0	7
PL.66678	PL.66704	A	6 A (CWC)	7.31Y	121.8	0.01	3.21	1.89	1	13	3	97	0.00	0.0	9.411	0.114	2	1	1	7
PL.66679	PL.66678	A	6 A (CWC)	7.31Y	121.8	0.01	3.22	1.56	1	11	3	96	0.00	0.0	9.583	0.173	0	0	0	6
PL.66609	PL.66679	A	6 A (CWC)	7.31Y	121.8	0.01	3.24	1.56	1	11	3	96	0.00	0.0	9.737	0.154	0	0	0	6
PL.66797	PL.66609	A	6 A (CWC)	7.31Y	121.8	0.01	3.24	1.56	1	11	3	96	0.00	0.0	9.872	0.135	6	1	2	6
PL.66798	PL.66797	A	6 A (CWC)	7.31Y	121.8	0.01	3.25	0.76	1	5	1	98	0.00	0.0	10.028	0.157	0	0	0	4
PL.66545	PL.66798	A	6 A (CWC)	7.30Y	121.7	0.00	3.25	0.76	1	5	1	98	0.00	0.0	10.138	0.110	2	1	1	4
PL.66338	PL.66545	A	6 A (CWC)	7.30Y	121.7	0.00	3.25	0.46	0	3	1	95	0.00	0.0	10.267	0.128	0	0	0	3
PL.66610	PL.66338	A	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.46	0	3	1	95	0.00	0.0	10.376	0.110	0	0	0	3
PL.66680	PL.66610	A	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.46	0	3	1	95	0.00	0.0	10.528	0.152	0	0	0	3
PL.66681	PL.66680	A	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.46	0	3	1	95	0.00	0.0	10.585	0.057	0	0	1	3
PL.66339	PL.66681	A	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.45	0	3	1	95	0.00	0.0	10.693	0.109	0	0	0	2
PL.66611	PL.66339	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.45	0	3	1	95	0.00	0.0	10.893	0.199	0	0	0	2
PL.66643	PL.66611	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.45	0	3	1	95	0.00	0.0	10.930	0.037	0	0	0	2
PL.66340	PL.66643	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.45	0	3	1	95	0.00	0.0	11.063	0.134	3	1	2	2
PL.66546	PL.66643	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.00	0	0	0	100	0.00	0.0	10.980	0.050	0	0	0	0
PL.66335	PL.66606	A	6 A (CWC)	7.30Y	121.7	0.13	3.27	17.70	13	126	30	97	0.12	0.1	8.745	0.160	0	0	0	59
PL.66341	PL.66335	A	#4 ACSR	7.30Y	121.7	0.00	3.27	0.32	0	2	1	89	0.00	0.0	8.789	0.044	2	1	1	1
PL.66547	PL.66335	A	6 A (CWC)	7.30Y	121.7	0.07	3.33	17.38	12	123	29	97	0.06	0.1	8.831	0.086	0	0	0	58
PL.66912	PL.66547	A	6 A (CWC)	7.30Y	121.7	0.00	3.33	1.29	1	9	2	98	0.00	0.0	8.836	0.005	0	0	0	8
PD.10065	PL.66912	A	20T	7.30Y	121.7	0.00	3.33	1.29	0	9	2	98	0.00	0.0	8.836	0.005	0	0	0	8
PL.66913	PD.10065	A	6 A (CWC)	7.30Y	121.7	0.01	3.34	1.29	1	9	2	98	0.00	0.0	9.005	0.170	0	0	0	8
PL.66612	PL.66913	A	6 A (CWC)	7.30Y	121.6	0.01	3.35	1.29	1	9	2	98	0.00	0.0	9.177	0.171	0	0	0	8

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66613	PL.66612	A	6 A (CWC)	7.30Y	121.6	0.01	3.36	1.29	1	9	2	98	0.00	0.0	9.325	0.148	0	0	0	8
PL.66615	PL.66613	A	6 A (CWC)	7.30Y	121.6	0.00	3.37	1.29	1	9	2	98	0.00	0.0	9.387	0.063	0	0	0	8
PL.66614	PL.66615	A	6 A (CWC)	7.30Y	121.6	0.01	3.38	1.29	1	9	2	98	0.00	0.0	9.556	0.169	0	0	0	8
PL.66381	PL.66614	A	6 A (CWC)	7.30Y	121.6	0.01	3.38	1.29	1	9	2	98	0.00	0.0	9.658	0.102	3	1	2	8
PL.66662	PL.66381	A	6 A (CWC)	7.30Y	121.6	0.01	3.39	0.91	1	6	2	95	0.00	0.0	9.823	0.164	2	0	3	6
PL.66661	PL.66662	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	0.03	0	0	0	100	0.00	0.0	9.859	0.036	0	0	0	2
PL.66379	PL.66661	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	0.03	0	0	0	100	0.00	0.0	10.011	0.152	0	0	1	2
PL.66378	PL.66379	A	#4 ACSR	7.30Y	121.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	10.084	0.074	0	0	1	1
PL.66380	PL.66662	A	#1/0 ACSR	7.30Y	121.6	0.00	3.39	0.59	0	4	1	97	0.00	0.0	9.966	0.143	0	0	0	1
PL.66708	PL.66380	A	#1/0 ACSR	7.30Y	121.6	0.00	3.39	0.59	0	4	1	97	0.00	0.0	10.105	0.139	0	0	0	1
PL.66709	PL.66708	A	#1/0 ACSR	7.30Y	121.6	0.00	3.39	0.59	0	4	1	97	0.00	0.0	10.249	0.144	4	1	1	1
PL.66924	PL.66547	A	6 A (CWC)	7.30Y	121.7	0.00	3.34	16.09	11	114	27	97	0.00	0.0	8.836	0.005	0	0	0	50
PD.10071	PL.66924	A	20T	7.30Y	121.7	0.00	3.34	16.09	0	114	27	97	0.00	0.0	8.836	0.005	0	0	0	50
PL.66925	PD.10071	A	6 A (CWC)	7.30Y	121.6	0.04	3.38	16.09	11	114	27	97	0.04	0.0	8.896	0.061	0	0	0	50
PL.66616	PL.66925	A	6 A (CWC)	7.29Y	121.5	0.11	3.49	16.09	11	114	27	97	0.10	0.1	9.051	0.154	0	0	0	50
PL.66822	PL.66616	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	2.02	1	14	3	98	0.00	0.0	9.055	0.005	0	0	0	2
PD.10017	PL.66822	A	20T	7.29Y	121.5	0.00	3.49	2.02	0	14	3	98	0.00	0.0	9.055	0.005	0	0	0	2
PL.66821	PD.10017	A	6 A (CWC)	7.29Y	121.5	0.00	3.50	2.02	1	14	3	98	0.00	0.0	9.139	0.084	14	3	2	2
PL.66706	PL.66616	A	6 A (CWC)	7.29Y	121.5	0.02	3.51	14.07	10	100	24	97	0.01	0.0	9.076	0.026	2	1	2	48
PL.66707	PL.66706	A	6 A (CWC)	7.29Y	121.4	0.05	3.56	13.76	10	98	23	97	0.03	0.0	9.152	0.075	1	0	1	46
PL.66705	PL.66707	A	6 A (CWC)	7.28Y	121.3	0.11	3.67	13.65	10	97	23	97	0.08	0.1	9.332	0.180	2	1	1	45
PL.66343	PL.66705	A	6 A (CWC)	7.27Y	121.2	0.09	3.75	13.07	9	93	22	97	0.06	0.1	9.479	0.148	2	0	1	42
PL.66344	PL.66343	A	#1/0 ACSR	7.27Y	121.2	0.01	3.76	12.23	5	87	21	97	0.01	0.0	9.524	0.044	0	0	0	39
PL.66360	PL.66344	A	#1/0 ACSR	7.27Y	121.2	0.02	3.78	12.23	5	87	21	97	0.01	0.0	9.580	0.056	1	0	1	39
PL.66362	PL.66360	A	#1/0 ACSR	7.27Y	121.2	0.01	3.79	11.32	5	80	19	97	0.00	0.0	9.609	0.029	0	0	0	37
PL.66548	PL.66362	A	6 A (CWC)	7.27Y	121.2	0.01	3.80	7.46	5	53	13	97	0.00	0.0	9.636	0.027	5	1	1	23
PL.66701	PL.66548	A	6 A (CWC)	7.27Y	121.2	0.04	3.83	6.76	5	48	11	97	0.01	0.0	9.758	0.123	1	0	1	22
PL.66702	PL.66701	A	6 A (CWC)	7.27Y	121.2	0.01	3.84	6.63	5	47	11	97	0.00	0.0	9.790	0.032	9	2	2	21
PL.66364	PL.66702	A	6 A (CWC)	7.27Y	121.1	0.02	3.87	5.32	4	38	9	97	0.01	0.0	9.886	0.096	0	0	0	19
PL.66619	PL.66364	A	6 A (CWC)	7.27Y	121.1	0.04	3.91	5.32	4	38	9	97	0.01	0.0	10.071	0.184	5	1	1	19
PL.66659	PL.66619	A	6 A (CWC)	7.27Y	121.1	0.01	3.91	4.06	3	29	7	97	0.00	0.0	10.107	0.036	0	0	0	16

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: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66660	PL.66659	A	6 A (CWC)	7.26Y	121.1	0.01	3.92	4.06	3	29	7	97	0.00	0.0	10.165	0.058	5	1	2	16
PL.66684	PL.66660	A	6 A (CWC)	7.26Y	121.1	0.01	3.93	2.72	2	19	5	97	0.00	0.0	10.258	0.093	4	1	1	12
PL.66685	PL.66684	A	6 A (CWC)	7.26Y	121.1	0.00	3.94	2.09	1	15	4	97	0.00	0.0	10.318	0.060	11	3	6	11
PL.66809	PL.66685	A	#4 ACSR	7.26Y	121.1	0.00	3.94	0.59	0	4	1	97	0.00	0.0	10.353	0.035	0	0	0	5
PD.10011	PL.66809	A	20T	7.26Y	121.1	0.00	3.94	0.59	0	4	1	97	0.00	0.0	10.353	0.035	0	0	0	5
PL.66810	PD.10011	A	#4 ACSR	7.26Y	121.1	0.00	3.94	0.59	0	4	1	97	0.00	0.0	10.411	0.058	0	0	0	5
PL.66621	PL.66810	A	#4 ACSR	7.26Y	121.1	0.00	3.94	0.59	0	4	1	97	0.00	0.0	10.529	0.117	0	0	0	5
PL.66622	PL.66621	A	#4 ACSR	7.26Y	121.1	0.00	3.95	0.59	0	4	1	97	0.00	0.0	10.694	0.165	0	0	0	5
PL.66688	PL.66622	A	#4 ACSR	7.26Y	121.1	0.00	3.95	0.59	0	4	1	97	0.00	0.0	10.858	0.164	2	0	2	5
PL.66689	PL.66688	A	#4 ACSR	7.26Y	121.0	0.00	3.95	0.31	0	2	1	89	0.00	0.0	10.977	0.120	0	0	0	3
PL.66686	PL.66689	A	#4 ACSR	7.26Y	121.0	0.00	3.95	0.31	0	2	1	89	0.00	0.0	11.095	0.118	0	0	1	3
PL.66687	PL.66686	A	#4 ACSR	7.26Y	121.0	0.00	3.95	0.30	0	2	1	89	0.00	0.0	11.215	0.120	0	0	0	2
PL.66623	PL.66687	A	#4 ACSR	7.26Y	121.0	0.00	3.96	0.30	0	2	1	89	0.00	0.0	11.312	0.097	0	0	0	2
PL.66624	PL.66623	A	#4 ACSR	7.26Y	121.0	0.00	3.96	0.30	0	2	1	89	0.00	0.0	11.455	0.143	0	0	0	2
PL.66683	PL.66624	A	#4 ACSR	7.26Y	121.0	0.00	3.96	0.30	0	2	1	89	0.00	0.0	11.501	0.046	0	0	1	2
PL.66682	PL.66683	A	#4 ACSR	7.26Y	121.0	0.00	3.96	0.23	0	2	0	100	0.00	0.0	11.588	0.088	0	0	0	1
PL.66438	PL.66682	A	#4 ACSR	7.26Y	121.0	0.00	3.96	0.23	0	2	0	100	0.00	0.0	11.691	0.103	2	0	1	1
PL.66811	PL.66660	A	#4 ACSR	7.26Y	121.1	0.00	3.92	0.57	0	4	1	97	0.00	0.0	10.170	0.005	0	0	0	2
PD.10012	PL.66811	A	20T	7.26Y	121.1	0.00	3.92	0.57	0	4	1	97	0.00	0.0	10.170	0.005	0	0	0	2
PL.66812	PD.10012	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.57	0	4	1	97	0.00	0.0	10.287	0.117	1	0	1	2
PL.66377	PL.66812	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.36	0	3	1	95	0.00	0.0	10.410	0.123	0	0	0	1
PL.66620	PL.66377	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.36	0	3	1	95	0.00	0.0	10.533	0.123	3	1	1	1
PL.66366	PL.66659	A	#2 ACSR	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	10.114	0.007	0	0	0	0
PL.66365	PL.66619	A	6 A (CWC)	7.27Y	121.1	0.00	3.91	0.59	0	4	1	97	0.00	0.0	10.169	0.098	4	1	2	2
PL.66361	PL.66362	A	6 A (CWC)	7.27Y	121.2	0.00	3.79	0.35	0	2	1	89	0.00	0.0	9.656	0.047	2	1	1	1
PL.66817	PL.66362	A	6 A (CWC)	7.27Y	121.2	0.00	3.79	3.51	3	25	6	97	0.00	0.0	9.614	0.005	0	0	0	13
PD.10015	PL.66817	A	20T	7.27Y	121.2	0.00	3.79	3.51	3	25	6	97	0.00	0.0	9.614	0.005	0	0	0	13
PL.66818	PD.10015	A	6 A (CWC)	7.27Y	121.2	0.03	3.82	3.51	3	25	6	97	0.01	0.0	9.791	0.178	0	0	0	13
PL.66814	PL.66818	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.03	0	0	0	100	0.00	0.0	9.907	0.116	0	0	0	2
PD.10013	PL.66814	A	20T	7.27Y	121.2	0.00	3.82	0.03	0	0	0	100	0.00	0.0	9.907	0.116	0	0	0	2
PL.66813	PD.10013	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.03	0	0	0	100	0.00	0.0	10.023	0.116	0	0	1	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.66700	PL.66813	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.03	0	0	0	100	0.00	0.0	10.169	0.145	0	0	0	1
PL.66617	PL.66700	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.03	0	0	0	100	0.00	0.0	10.295	0.127	0	0	0	1
PL.66371	PL.66617	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.03	0	0	0	100	0.00	0.0	10.404	0.109	0	0	1	1
PL.66370	PL.66818	A	6 A (CWC)	7.27Y	121.2	0.03	3.85	3.25	2	23	5	98	0.01	0.0	9.987	0.196	0	0	0	10
PL.66618	PL.66370	A	6 A (CWC)	7.27Y	121.1	0.01	3.86	3.25	2	23	5	98	0.00	0.0	10.083	0.096	0	0	0	10
PL.66549	PL.66618	A	6 A (CWC)	7.27Y	121.1	0.02	3.88	3.03	2	21	5	97	0.00	0.0	10.267	0.184	6	1	1	9
PL.66374	PL.66549	A	#2 ACSR	7.27Y	121.1	0.00	3.88	0.86	0	6	1	99	0.00	0.0	10.280	0.013	0	0	0	1
PL.66372	PL.66374	A	#2 ACSR	7.27Y	121.1	0.00	3.88	0.86	0	6	1	99	0.00	0.0	10.312	0.032	6	1	1	1
PL.66367	PL.66549	A	#4 ACSR	7.27Y	121.1	0.00	3.88	0.18	0	1	0	100	0.00	0.0	10.324	0.056	1	0	1	1
PL.66373	PL.66549	A	6 A (CWC)	7.27Y	121.1	0.01	3.89	1.15	1	8	2	97	0.00	0.0	10.379	0.112	0	0	0	6
PL.66550	PL.66373	A	6 A (CWC)	7.27Y	121.1	0.01	3.89	0.73	1	5	1	98	0.00	0.0	10.554	0.174	0	0	0	2
PL.66676	PL.66550	A	#4 ACSR	7.27Y	121.1	0.00	3.89	0.73	1	5	1	98	0.00	0.0	10.584	0.030	5	1	2	2
PL.66677	PL.66676	A	#4 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	10.733	0.149	0	0	0	0
PL.66375	PL.66373	A	#4 ACSR	7.27Y	121.1	0.00	3.89	0.42	0	3	1	95	0.00	0.0	10.435	0.056	3	1	4	4
PL.66369	PL.66618	A	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.21	0	2	0	100	0.00	0.0	10.140	0.057	2	0	1	1
PL.66368	PL.66369	A	#4 ACSR	7.27Y	121.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	10.220	0.080	0	0	0	0
PL.66376	PL.66818	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.24	0	2	0	100	0.00	0.0	9.908	0.117	2	0	1	1
PL.66363	PL.66360	A	#1/0 ACSR	7.27Y	121.2	0.00	3.78	0.75	0	5	1	98	0.00	0.0	9.644	0.064	5	1	1	1
PL.66815	PL.66343	A	#4 ACSR	7.27Y	121.2	0.00	3.75	0.63	0	4	1	97	0.00	0.0	9.484	0.005	0	0	0	2
PD.10014	PL.66815	A	20T	7.27Y	121.2	0.00	3.75	0.63	0	4	1	97	0.00	0.0	9.484	0.005	0	0	0	2
PL.66816	PD.10014	A	#4 ACSR	7.27Y	121.2	0.00	3.76	0.63	0	4	1	97	0.00	0.0	9.632	0.147	3	1	1	2
PL.66345	PL.66816	A	#4 ACSR	7.27Y	121.2	0.00	3.76	0.25	0	2	0	100	0.00	0.0	9.764	0.133	0	0	0	1
PL.66346	PL.66345	A	#4 ACSR	7.27Y	121.2	0.00	3.76	0.25	0	2	0	100	0.00	0.0	9.794	0.030	2	0	1	1
PL.66819	PL.66705	A	#2 ACSR	7.28Y	121.3	0.00	3.67	0.23	0	2	0	100	0.00	0.0	9.336	0.005	0	0	0	2
PD.10016	PL.66819	A	20T	7.28Y	121.3	0.00	3.67	0.23	0	2	0	100	0.00	0.0	9.336	0.005	0	0	0	2
PL.66820	PD.10016	A	#2 ACSR	7.28Y	121.3	0.00	3.67	0.23	0	2	0	100	0.00	0.0	9.361	0.025	0	0	1	2
PL.66342	PL.66820	A	#2 ACSR	7.28Y	121.3	0.00	3.67	0.22	0	2	0	100	0.00	0.0	9.492	0.131	2	0	1	1
PL.66926	PL.66605	A	6 A (CWC)	7.33Y	122.2	0.00	2.75	0.14	0	1	0	100	0.00	0.0	8.171	0.005	0	0	0	1
PD.10072	PL.66926	A	20T	7.33Y	122.2	0.00	2.75	0.14	0	1	0	100	0.00	0.0	8.171	0.005	0	0	0	1
PL.66927	PD.10072	A	6 A (CWC)	7.33Y	122.2	0.00	2.75	0.14	0	1	0	100	0.00	0.0	8.370	0.199	1	0	1	1
PL.66329	PD.10077	A	#4 ACSR	7.39Y	123.1	0.00	1.91	1.36	1	10	2	98	0.00	0.0	7.314	0.044	10	2	2	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66326	PL.66322	B	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.71	1	5	1	98	0.00	0.0	7.277	0.051	5	1	1	3
PL.66328	PL.66326	B	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.00	0	0	0	100	0.00	0.0	7.300	0.023	0	0	2	2
PL.66323	PL.66322	ABC	#1/0 ACSR	7.39Y	123.1	0.03	1.89	24.27	11	523	127	97	0.09	0.0	7.285	0.060	0	0	0	214
PL.66325	PL.66323	A	#4 ACSR	7.39Y	123.1	0.00	1.89	0.17	0	1	0	100	0.00	0.0	7.357	0.072	1	0	1	1
PL.66324	PL.66323	ABC	#1/0 ACSR	7.38Y	123.1	0.04	1.93	24.22	11	522	126	97	0.13	0.0	7.371	0.086	0	0	0	213
PL.66348	PL.66324	ABC	#1/0 ACSR	7.38Y	123.0	0.07	2.00	24.22	11	521	126	97	0.26	0.0	7.537	0.165	7	2	2	213
PL.66825	PL.66348	A	#1/0 ACSR	7.38Y	123.0	0.00	2.00	1.15	1	8	2	97	0.00	0.0	7.541	0.004	0	0	0	1
PD.10019	PL.66825	A	30T	7.38Y	123.0	0.00	2.00	1.15	0	8	2	97	0.00	0.0	7.541	0.004	0	0	0	1
PL.66826	PD.10019	A	#1/0 ACSR	7.38Y	123.0	0.00	2.00	1.15	1	8	2	97	0.00	0.0	7.595	0.054	8	2	1	1
PL.72925	PL.66348	ABC	#1/0 ACSR	7.38Y	123.0	0.04	2.04	23.49	10	506	122	97	0.13	0.0	7.626	0.089	0	0	1	210
PL.72926	PL.72925	ABC	#1/0 ACSR	7.38Y	122.9	0.03	2.07	23.49	10	505	122	97	0.11	0.0	7.705	0.079	6	1	1	209
PL.66712	PL.72926	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.11	23.22	10	500	121	97	0.13	0.0	7.796	0.092	2	0	1	208
PL.66713	PL.66712	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.13	23.13	10	497	120	97	0.07	0.0	7.846	0.049	1	0	1	207
PL.66349	PL.66713	ABC	#1/0 ACSR	7.37Y	122.8	0.07	2.20	23.07	10	496	120	97	0.24	0.0	8.015	0.169	0	0	0	206
PL.66458	PL.66349	ABC	#1/0 ACSR	7.37Y	122.8	0.04	2.24	23.07	10	496	119	97	0.14	0.0	8.113	0.098	7	2	2	206
PL.66459	PL.66458	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.25	22.77	10	489	118	97	0.05	0.0	8.152	0.039	1	0	1	204
PL.66457	PL.66459	ABC	#1/0 ACSR	7.36Y	122.7	0.05	2.30	22.71	10	488	117	97	0.16	0.0	8.267	0.114	2	0	1	203
PL.66847	PL.66457	A	6 A (CWC)	7.36Y	122.7	0.00	2.30	1.85	1	13	3	97	0.00	0.0	8.271	0.005	0	0	0	3
PD.10030	PL.66847	A	30T	7.36Y	122.7	0.00	2.30	1.85	0	13	3	97	0.00	0.0	8.271	0.005	0	0	0	3
PL.66848	PD.10030	A	6 A (CWC)	7.36Y	122.7	0.00	2.30	1.85	1	13	3	97	0.00	0.0	8.385	0.114	13	3	3	3
PL.66540	PL.66457	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.32	22.01	10	473	114	97	0.08	0.0	8.325	0.059	0	0	1	199
PL.66351	PL.66540	ABC	#1/0 ACSR	7.36Y	122.6	0.07	2.39	21.99	10	472	114	97	0.24	0.1	8.511	0.186	0	0	0	198
PL.66460	PL.66351	ABC	#1/0 ACSR	7.35Y	122.6	0.03	2.43	21.99	10	472	113	97	0.11	0.0	8.599	0.088	3	1	1	198
PL.66461	PL.66460	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.46	21.85	9	469	112	97	0.11	0.0	8.681	0.083	0	0	0	197
PL.66541	PL.66461	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.49	21.77	9	467	112	97	0.11	0.0	8.768	0.086	0	0	0	196
PL.66353	PL.66541	ABC	#1/0 ACSR	7.35Y	122.5	0.06	2.55	19.83	9	425	102	97	0.17	0.0	8.929	0.161	0	0	0	185
PL.66869	PL.66353	A	6 A (CWC)	7.35Y	122.5	0.00	2.55	0.81	1	6	1	99	0.00	0.0	8.934	0.005	0	0	0	4
PD.10042	PL.66869	A	30T	7.35Y	122.5	0.00	2.55	0.81	0	6	1	99	0.00	0.0	8.934	0.005	0	0	0	4
PL.66870	PD.10042	A	6 A (CWC)	7.35Y	122.5	0.00	2.55	0.81	1	6	1	99	0.00	0.0	8.953	0.019	0	0	1	4
PL.66487	PL.66870	A	6 A (CWC)	7.35Y	122.4	0.00	2.55	0.76	1	5	1	98	0.00	0.0	9.074	0.121	5	1	3	3
PL.66938	PL.66353	ABC	#1/0 ACSR	7.35Y	122.4	0.02	2.57	19.56	9	419	100	97	0.06	0.0	8.989	0.060	0	0	0	181

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: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10079	PL.66938	ABC	35L	7.35Y	122.4	0.00	2.57	19.56	56	419	100	97	0.00	0.0	8.989	0.060	0	0	0	181
PL.66939	PD.10079	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.62	19.56	9	419	100	97	0.15	0.0	9.136	0.147	0	0	0	181
PL.66627	PL.66939	ABC	#1/0 ACSR	7.34Y	122.3	0.05	2.66	19.56	9	419	100	97	0.13	0.0	9.267	0.131	0	0	0	181
PL.66628	PL.66627	ABC	#1/0 ACSR	7.34Y	122.3	0.06	2.73	19.56	9	419	100	97	0.19	0.0	9.452	0.185	0	0	0	181
PL.66629	PL.66628	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.79	19.56	9	419	100	97	0.18	0.0	9.626	0.174	0	0	0	181
PL.66630	PL.66629	ABC	#1/0 ACSR	7.33Y	122.1	0.06	2.85	19.56	9	419	100	97	0.19	0.0	9.809	0.183	0	0	0	181
PL.66631	PL.66630	ABC	#1/0 ACSR	7.33Y	122.1	0.03	2.88	19.56	9	418	100	97	0.09	0.0	9.899	0.090	0	0	0	181
PL.66655	PL.66631	ABC	#1/0 ACSR	7.32Y	122.1	0.04	2.92	19.56	9	418	100	97	0.11	0.0	10.009	0.110	6	1	3	181
PL.66383	PL.66655	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	2.67	1	19	5	97	0.00	0.0	10.014	0.005	0	0	0	6
PD.10038	PL.66383	A	15T	7.32Y	122.1	0.00	2.92	2.67	0	19	5	97	0.00	0.0	10.014	0.005	0	0	0	6
PL.66382	PD.10038	A	#4 ACSR	7.32Y	122.1	0.00	2.92	1.80	1	13	3	97	0.00	0.0	10.081	0.067	13	3	5	5
PL.66553	PD.10038	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	0.87	0	6	1	99	0.00	0.0	10.044	0.030	6	1	1	1
PL.66384	PL.66553	ABC	#1/0 ACSR	7.32Y	122.1	0.02	2.94	14.92	6	319	76	97	0.04	0.0	10.083	0.073	7	2	2	141
PL.66399	PL.66384	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.96	14.61	6	312	75	97	0.03	0.0	10.141	0.058	0	0	0	139
PL.66916	PL.66399	C	6 A (CWC)	7.32Y	122.0	0.00	2.96	1.16	1	8	2	97	0.00	0.0	10.146	0.005	0	0	0	2
PD.10067	PL.66916	C	15T	7.32Y	122.0	0.00	2.96	1.16	0	8	2	97	0.00	0.0	10.146	0.005	0	0	0	2
PL.66917	PD.10067	C	6 A (CWC)	7.32Y	122.0	0.00	2.96	1.16	1	8	2	97	0.00	0.0	10.193	0.048	8	2	2	2
PL.66865	PL.66399	A	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.75	1	5	1	98	0.00	0.0	10.145	0.005	0	0	0	2
PD.10040	PL.66865	A	15T	7.32Y	122.0	0.00	2.96	0.75	0	5	1	98	0.00	0.0	10.145	0.005	0	0	0	2
PL.66866	PD.10040	A	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.75	1	5	1	98	0.00	0.0	10.192	0.046	5	1	2	2
PL.66560	PL.66399	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.98	13.97	6	298	71	97	0.06	0.0	10.256	0.115	7	2	2	135
PL.66861	PL.66560	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.98	13.30	6	284	68	97	0.00	0.0	10.260	0.004	0	0	0	131
PL.66862	PL.66861	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.01	13.30	6	284	68	97	0.04	0.0	10.351	0.091	6	1	2	131
PL.66478	PL.66862	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.02	12.90	6	275	66	97	0.02	0.0	10.408	0.057	6	2	2	127
PL.66479	PL.66478	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.04	12.60	5	269	64	97	0.04	0.0	10.500	0.092	3	1	2	125
PL.66863	PL.66479	C	#2 ACSR	7.32Y	122.0	0.00	3.04	0.41	0	3	1	95	0.00	0.0	10.504	0.005	0	0	0	3
PD.10037	PL.66863	C	15T	7.32Y	122.0	0.00	3.04	0.41	0	3	1	95	0.00	0.0	10.504	0.005	0	0	0	3
PL.66864	PD.10037	C	#2 ACSR	7.32Y	122.0	0.00	3.04	0.41	0	3	1	95	0.00	0.0	10.533	0.029	3	1	3	3
PL.66561	PL.66479	ABC	#1/0 ACSR	7.32Y	121.9	0.02	3.06	12.30	5	263	63	97	0.03	0.0	10.585	0.085	0	0	0	120
PL.66857	PL.66561	C	6 A (CWC)	7.32Y	121.9	0.00	3.06	2.03	1	14	3	98	0.00	0.0	10.590	0.005	0	0	0	7
PD.10035	PL.66857	C	15T	7.32Y	121.9	0.00	3.06	2.03	0	14	3	98	0.00	0.0	10.590	0.005	0	0	0	7

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66858	PD.10035	C	6 A (CWC)	7.32Y	121.9	0.00	3.06	2.03	1	14	3	98	0.00	0.0	10.598	0.008	5	1	2	7
PL.66486	PL.66858	C	6 A (CWC)	7.32Y	121.9	0.01	3.06	1.31	1	9	2	98	0.00	0.0	10.731	0.133	4	1	2	5
PL.66476	PL.66486	C	6 A (CWC)	7.32Y	121.9	0.00	3.07	0.72	1	5	1	98	0.00	0.0	10.774	0.042	4	1	2	3
PL.66477	PL.66476	C	6 A (CWC)	7.32Y	121.9	0.00	3.07	0.16	0	1	0	100	0.00	0.0	10.792	0.019	0	0	0	1
PL.66401	PL.66477	C	6 A (CWC)	7.32Y	121.9	0.00	3.07	0.16	0	1	0	100	0.00	0.0	10.832	0.040	1	0	1	1
PL.66473	PL.66561	ABC	#1/0 ACSR	7.32Y	121.9	0.02	3.08	11.63	5	248	59	97	0.03	0.0	10.676	0.091	16	4	3	113
PL.66474	PL.66473	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.09	10.87	5	232	56	97	0.02	0.0	10.738	0.062	1	0	1	110
PL.66562	PL.66474	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.10	9.17	4	196	47	97	0.02	0.0	10.818	0.079	0	0	0	99
PL.66402	PL.66562	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.11	9.17	4	196	47	97	0.01	0.0	10.884	0.066	0	0	0	99
PL.66471	PL.66402	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.12	7.19	3	153	37	97	0.01	0.0	10.957	0.073	0	0	0	80
PL.66472	PL.66471	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.13	7.19	3	153	37	97	0.01	0.0	11.025	0.068	5	1	1	80
PL.66851	PL.66472	C	#4 ACSR	7.31Y	121.9	0.00	3.13	20.94	16	149	36	97	0.00	0.0	11.029	0.005	0	0	0	79
PD.10032	PL.66851	C	15T	7.31Y	121.9	0.00	3.13	20.94	0	149	36	97	0.00	0.0	11.029	0.005	0	0	0	79
PL.66852	PD.10032	C	#4 ACSR	7.31Y	121.8	0.03	3.17	20.94	16	149	36	97	0.04	0.0	11.064	0.035	3	1	1	79
PL.66470	PL.66852	C	#4 ACSR	7.31Y	121.8	0.04	3.21	20.50	16	146	35	97	0.05	0.0	11.114	0.049	6	1	3	78
PL.66799	PL.66470	C	6 A (CWC)	7.30Y	121.7	0.09	3.30	19.67	14	140	34	97	0.09	0.1	11.217	0.103	4	1	2	75
PL.66800	PL.66799	C	6 A (CWC)	7.30Y	121.6	0.06	3.36	19.11	14	136	33	97	0.07	0.0	11.291	0.074	0	0	0	73
PL.66407	PL.66800	C	#1/0 ACSR	7.30Y	121.6	0.00	3.37	1.38	1	10	2	98	0.00	0.0	11.358	0.067	4	1	1	3
PL.66408	PL.66407	C	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.83	0	6	1	99	0.00	0.0	11.409	0.051	6	1	1	2
PL.72927	PL.66408	C	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	11.434	0.025	0	0	0	1
PL.72928	PL.72927	C	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	11.506	0.072	0	0	1	1
PL.66563	PL.66800	C	6 A (CWC)	7.29Y	121.5	0.09	3.45	17.73	13	126	30	97	0.08	0.1	11.399	0.108	0	0	0	70
PL.66409	PL.66563	C	#1/0 ACSR	7.29Y	121.5	0.00	3.45	0.93	0	7	2	96	0.00	0.0	11.412	0.013	7	2	1	1
PL.66410	PL.66563	C	#4 ACSR	7.29Y	121.5	0.06	3.51	16.80	13	119	29	97	0.06	0.0	11.482	0.083	1	0	1	69
PL.66411	PL.66410	C	6 A (CWC)	7.29Y	121.4	0.07	3.58	16.63	12	118	28	97	0.06	0.1	11.571	0.089	0	0	0	68
PL.66412	PL.66411	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.61	0	4	1	97	0.00	0.0	11.588	0.017	4	1	1	1
PL.66766	PL.66411	C	6 A (CWC)	7.28Y	121.4	0.06	3.64	16.01	11	113	27	97	0.05	0.0	11.658	0.088	5	1	6	67
PL.66767	PL.66766	C	6 A (CWC)	7.28Y	121.3	0.09	3.73	15.36	11	109	26	97	0.08	0.1	11.794	0.136	0	0	0	61
PL.66635	PL.66767	C	6 A (CWC)	7.27Y	121.2	0.06	3.79	15.36	11	109	26	97	0.05	0.0	11.878	0.084	0	0	1	61
PL.66564	PL.66635	C	6 A (CWC)	7.27Y	121.1	0.07	3.86	15.11	11	107	26	97	0.06	0.1	11.977	0.100	0	0	0	59
PL.66415	PL.66564	C	6 A (CWC)	7.26Y	121.1	0.07	3.93	15.10	11	107	25	97	0.05	0.1	12.076	0.099	0	0	0	58

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.66416	PL.66415	C	6 A (CWC)	7.26Y	120.9	0.15	4.07	15.10	11	107	25	97	0.12	0.1	12.290	0.214	0	0	0	58
PL.66760	PL.66416	C	#4 ACSR	7.26Y	120.9	0.01	4.08	3.90	3	28	7	97	0.00	0.0	12.329	0.038	1	0	1	18
PL.66761	PL.66760	C	#4 ACSR	7.25Y	120.9	0.00	4.09	3.81	3	27	6	98	0.00	0.0	12.353	0.024	0	0	0	17
PL.66762	PL.66761	C	#4 ACSR	7.25Y	120.9	0.00	4.09	1.12	1	8	2	97	0.00	0.0	12.436	0.082	0	0	1	3
PL.66763	PL.66762	C	#4 ACSR	7.25Y	120.9	0.00	4.09	1.08	1	8	2	97	0.00	0.0	12.599	0.163	8	2	2	2
PL.66422	PL.66763	C	#4 ACSR	7.25Y	120.9	0.00	4.09	0.00	0	0	0	100	0.00	0.0	12.649	0.050	0	0	0	0
PL.66420	PL.66761	C	#4 ACSR	7.25Y	120.9	0.01	4.09	2.69	2	19	5	97	0.00	0.0	12.433	0.080	1	0	1	14
PL.66565	PL.66420	C	#4 ACSR	7.25Y	120.9	0.00	4.10	1.63	1	12	3	97	0.00	0.0	12.501	0.068	1	0	6	10
PL.66419	PL.66565	C	#4 ACSR	7.25Y	120.9	0.00	4.10	1.13	1	8	2	97	0.00	0.0	12.530	0.030	8	2	1	1
PL.66418	PL.66565	C	#4 ACSR	7.25Y	120.9	0.00	4.10	0.32	0	2	1	89	0.00	0.0	12.542	0.041	0	0	2	3
PL.66417	PL.66418	C	#1/0 ACSR	7.25Y	120.9	0.00	4.10	0.32	0	2	1	89	0.00	0.0	12.586	0.044	2	1	1	1
PL.66658	PL.66420	C	#4 ACSR	7.25Y	120.9	0.00	4.10	0.85	1	6	1	99	0.00	0.0	12.468	0.035	2	0	1	3
PL.66764	PL.66658	C	#4 ACSR	7.25Y	120.9	0.00	4.10	0.12	0	1	0	100	0.00	0.0	12.570	0.103	0	0	0	1
PL.66765	PL.66764	C	#4 ACSR	7.25Y	120.9	0.00	4.10	0.12	0	1	0	100	0.00	0.0	12.610	0.040	1	0	1	1
PL.66421	PL.66658	C	#4 ACSR	7.25Y	120.9	0.00	4.10	0.51	0	4	1	97	0.00	0.0	12.484	0.017	4	1	1	1
PL.66423	PL.66416	C	6 A (CWC)	7.25Y	120.8	0.08	4.16	11.20	8	79	19	97	0.05	0.1	12.449	0.158	0	0	0	40
PL.66758	PL.66423	C	6 A (CWC)	7.25Y	120.8	0.09	4.24	11.20	8	79	19	97	0.05	0.1	12.628	0.180	4	1	2	40
PL.66759	PL.66758	C	6 A (CWC)	7.24Y	120.7	0.05	4.30	10.66	8	75	18	97	0.03	0.0	12.738	0.110	2	1	1	38
PL.66424	PL.66759	C	#4 ACSR	7.24Y	120.7	0.00	4.30	0.43	0	3	1	95	0.00	0.0	12.805	0.067	3	1	1	1
PL.66656	PL.66759	C	6 A (CWC)	7.24Y	120.7	0.05	4.35	9.91	7	70	17	97	0.03	0.0	12.850	0.112	0	0	0	36
PL.66657	PL.66656	C	6 A (CWC)	7.24Y	120.6	0.04	4.39	9.91	7	70	17	97	0.02	0.0	12.940	0.090	0	0	0	36
PL.66636	PL.66657	C	6 A (CWC)	7.23Y	120.6	0.06	4.45	9.91	7	70	17	97	0.03	0.0	13.074	0.133	2	1	1	36
PL.66426	PL.66636	C	6 A (CWC)	7.23Y	120.5	0.05	4.50	9.59	7	67	16	97	0.03	0.0	13.191	0.117	0	0	0	35
PL.66801	PL.66426	C	6 A (CWC)	7.23Y	120.5	0.04	4.53	9.39	7	66	16	97	0.02	0.0	13.277	0.087	2	1	3	34
PL.66802	PL.66801	C	6 A (CWC)	7.23Y	120.5	0.01	4.54	9.08	6	64	15	97	0.00	0.0	13.301	0.024	5	1	2	31
PL.66429	PL.66802	C	6 A (CWC)	7.23Y	120.4	0.02	4.57	8.31	6	58	14	97	0.01	0.0	13.365	0.063	1	0	1	29
PL.66430	PL.66429	C	#4 ACSR	7.23Y	120.4	0.00	4.57	1.64	1	12	3	97	0.00	0.0	13.400	0.036	7	2	1	2
PL.66431	PL.66430	C	#1/0 ACSR	7.23Y	120.4	0.00	4.57	0.67	0	5	1	98	0.00	0.0	13.479	0.079	5	1	1	1
PL.66566	PL.66429	C	6 A (CWC)	7.23Y	120.4	0.02	4.58	6.48	5	46	11	97	0.01	0.0	13.431	0.066	9	2	3	26
PL.66698	PL.66566	C	6 A (CWC)	7.22Y	120.4	0.01	4.60	5.20	4	37	9	97	0.00	0.0	13.500	0.069	5	1	2	23
PL.66699	PL.66698	C	6 A (CWC)	7.22Y	120.4	0.02	4.62	4.42	3	31	7	98	0.00	0.0	13.586	0.086	0	0	1	21

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66697	PL.66699	C	6 A (CWC)	7.22Y	120.4	0.01	4.63	4.42	3	31	7	98	0.00	0.0	13.653	0.067	0	0	0	20
PL.66432	PL.66697	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	0.34	0	2	1	89	0.00	0.0	13.662	0.010	1	0	1	3
PL.66434	PL.66432	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	0.22	0	2	0	100	0.00	0.0	13.715	0.053	2	0	2	2
PL.66567	PL.66697	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	1.64	1	12	3	97	0.00	0.0	13.695	0.042	8	2	6	9
PL.66695	PL.66567	C	#4 ACSR	7.22Y	120.4	0.00	4.63	0.55	0	4	1	97	0.00	0.0	13.762	0.067	1	0	1	3
PL.66696	PL.66695	C	#4 ACSR	7.22Y	120.4	0.00	4.63	0.39	0	3	1	95	0.00	0.0	13.799	0.036	2	0	1	2
PL.66435	PL.66696	C	#1/0 ACSR	7.22Y	120.4	0.00	4.63	0.13	0	1	0	100	0.00	0.0	13.848	0.049	1	0	1	1
PL.66433	PL.66697	C	6 A (CWC)	7.22Y	120.4	0.02	4.65	2.45	2	17	4	97	0.00	0.0	13.810	0.157	0	0	0	8
PL.66436	PL.66433	C	6 A (CWC)	7.22Y	120.3	0.01	4.66	2.45	2	17	4	97	0.00	0.0	13.898	0.088	0	0	0	8
PL.66437	PL.66436	C	#1/0 ACSR	7.22Y	120.3	0.00	4.66	0.25	0	2	0	100	0.00	0.0	13.923	0.024	2	0	1	1
PL.66693	PL.66436	C	#1/0 ACSR	7.22Y	120.3	0.00	4.66	2.20	1	15	4	97	0.00	0.0	13.962	0.063	0	0	1	7
PL.66694	PL.66693	C	#1/0 ACSR	7.22Y	120.3	0.00	4.66	2.19	1	15	4	97	0.00	0.0	14.004	0.042	5	1	1	6
PL.66692	PL.66694	C	#1/0 ACSR	7.22Y	120.3	0.00	4.66	1.47	1	10	2	98	0.00	0.0	14.058	0.054	2	1	2	5
PL.66690	PL.66692	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	1.16	1	8	2	97	0.00	0.0	14.108	0.050	5	1	2	3
PL.66691	PL.66690	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	0.47	0	3	1	95	0.00	0.0	14.128	0.020	3	1	1	1
PL.66427	PL.66426	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	13.257	0.067	0	0	0	0
PL.66428	PL.66426	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.20	0	1	0	100	0.00	0.0	13.262	0.071	1	0	1	1
PL.66414	PL.66564	C	#2 ACSR	7.27Y	121.1	0.00	3.86	0.01	0	0	0	100	0.00	0.0	12.018	0.041	0	0	1	1
PL.66413	PL.66635	C	#2 ACSR	7.27Y	121.2	0.00	3.79	0.22	0	2	0	100	0.00	0.0	11.909	0.031	2	0	1	1
PL.66853	PL.66402	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	5.94	4	42	10	97	0.00	0.0	10.888	0.005	0	0	0	19
PD.10033	PL.66853	A	15T	7.31Y	121.9	0.00	3.11	5.94	0	42	10	97	0.00	0.0	10.888	0.005	0	0	0	19
PL.66854	PD.10033	A	6 A (CWC)	7.31Y	121.9	0.01	3.12	5.94	4	42	10	97	0.00	0.0	10.923	0.034	0	0	0	19
PL.66403	PL.66854	A	#2 ACSR	7.31Y	121.9	0.00	3.12	0.23	0	2	0	100	0.00	0.0	10.950	0.028	2	0	2	2
PL.66467	PL.66854	A	6 A (CWC)	7.31Y	121.9	0.01	3.13	5.71	4	41	10	97	0.00	0.0	10.962	0.040	1	0	1	17
PL.66468	PL.66467	A	6 A (CWC)	7.31Y	121.9	0.01	3.14	5.63	4	40	10	97	0.00	0.0	10.998	0.035	5	1	1	16
PL.66469	PL.66468	A	6 A (CWC)	7.31Y	121.8	0.02	3.16	4.94	4	35	8	97	0.01	0.0	11.110	0.112	10	2	3	15
PL.66455	PL.66469	A	6 A (CWC)	7.31Y	121.8	0.01	3.17	2.74	2	19	5	97	0.00	0.0	11.183	0.073	5	1	2	10
PL.66456	PL.66455	A	6 A (CWC)	7.31Y	121.8	0.01	3.18	2.03	1	14	3	98	0.00	0.0	11.249	0.066	0	0	0	8
PL.66770	PL.66456	A	6 A (CWC)	7.31Y	121.8	0.00	3.18	1.50	1	11	3	96	0.00	0.0	11.303	0.054	10	2	3	6
PL.66771	PL.66770	A	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.09	0	1	0	100	0.00	0.0	11.335	0.032	0	0	1	3
PL.66406	PL.66771	A	#4 ACSR	7.31Y	121.8	0.00	3.18	0.09	0	1	0	100	0.00	0.0	11.428	0.093	0	0	0	2

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66768	PL.66406	A	#4 ACSR	7.31Y	121.8	0.00	3.18	0.09	0	1	0	100	0.00	0.0	11.541	0.112	1	0	2	2
PL.66769	PL.66768	A	#4 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	11.605	0.064	0	0	0	0
PL.66405	PL.66456	A	#4 ACSR	7.31Y	121.8	0.00	3.18	0.52	0	4	1	97	0.00	0.0	11.319	0.070	4	1	2	2
PL.66404	PL.66469	A	6 A (CWC)	7.31Y	121.8	0.00	3.16	0.74	1	5	1	98	0.00	0.0	11.236	0.125	5	1	2	2
PL.66921	PL.66402	C	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	10.888	0.005	0	0	0	0
PD.10069	PL.66921	C	15T	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	10.888	0.005	0	0	0	0
PL.66920	PD.10069	C	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	10.895	0.006	0	0	0	0
PL.66855	PL.66474	C	#1/0 ACSR	7.31Y	121.9	0.00	3.09	2.47	1	18	4	98	0.00	0.0	10.743	0.005	0	0	0	7
PD.10034	PL.66855	C	15T	7.31Y	121.9	0.00	3.09	2.47	0	18	4	98	0.00	0.0	10.743	0.005	0	0	0	7
PL.66856	PD.10034	C	#1/0 ACSR	7.31Y	121.9	0.00	3.09	2.47	1	18	4	98	0.00	0.0	10.767	0.024	10	2	4	7
PL.66475	PL.66856	C	#1/0 ACSR	7.31Y	121.9	0.00	3.09	1.07	0	8	2	97	0.00	0.0	10.829	0.062	8	2	3	3
PL.66918	PL.66474	A	#1/0 ACSR	7.31Y	121.9	0.00	3.09	2.44	1	17	4	97	0.00	0.0	10.743	0.005	0	0	0	3
PD.10068	PL.66918	A	15T	7.31Y	121.9	0.00	3.09	2.44	0	17	4	97	0.00	0.0	10.743	0.005	0	0	0	3
PL.66919	PD.10068	A	#1/0 ACSR	7.31Y	121.9	0.00	3.09	2.44	1	17	4	97	0.00	0.0	10.768	0.025	17	4	3	3
PL.66400	PL.66862	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.43	0	3	1	95	0.00	0.0	10.390	0.040	0	0	0	2
PL.66867	PL.66400	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.43	0	3	1	95	0.00	0.0	10.395	0.005	0	0	0	2
PD.10041	PL.66867	A	15T	7.32Y	122.0	0.00	3.01	0.43	0	3	1	95	0.00	0.0	10.395	0.005	0	0	0	2
PL.66868	PD.10041	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.43	0	3	1	95	0.00	0.0	10.561	0.166	0	0	0	2
PL.66482	PL.66868	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.43	0	3	1	95	0.00	0.0	10.602	0.041	0	0	1	2
PL.66483	PL.66482	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.42	0	3	1	95	0.00	0.0	10.709	0.108	3	1	1	1
PL.66859	PL.66560	A	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.99	1	7	2	96	0.00	0.0	10.260	0.005	0	0	0	2
PD.10036	PL.66859	A	15T	7.32Y	122.0	0.00	2.98	0.99	0	7	2	96	0.00	0.0	10.260	0.005	0	0	0	2
PL.66860	PD.10036	A	6 A (CWC)	7.32Y	122.0	0.00	2.99	0.99	1	7	2	96	0.00	0.0	10.321	0.061	7	2	2	2
PL.66392	PL.66655	B	#4 ACSR	7.32Y	122.1	0.02	2.94	10.48	8	75	17	98	0.01	0.0	10.060	0.051	0	0	0	31
PD.10039	PL.66392	B	15T	7.32Y	122.1	0.00	2.94	10.48	0	75	17	98	0.00	0.0	10.060	0.051	0	0	0	31
PL.66480	PD.10039	B	#4 ACSR	7.32Y	122.0	0.03	2.98	9.77	8	70	16	97	0.02	0.0	10.137	0.077	0	0	1	30
PL.66481	PL.66480	B	#4 ACSR	7.32Y	122.0	0.04	3.02	9.76	8	70	16	97	0.02	0.0	10.230	0.093	0	0	0	29
PL.66484	PL.66481	B	#4 ACSR	7.32Y	121.9	0.06	3.08	9.76	8	70	16	97	0.03	0.0	10.379	0.150	0	0	1	29
PL.66485	PL.66484	B	#4 ACSR	7.31Y	121.9	0.04	3.12	9.76	8	70	16	97	0.02	0.0	10.476	0.096	0	0	0	28
PL.66386	PL.66485	B	#1/0 ACSR	7.31Y	121.9	0.00	3.12	1.16	1	8	2	97	0.00	0.0	10.497	0.021	8	2	2	2
PL.66554	PL.66485	B	#4 ACSR	7.31Y	121.9	0.01	3.14	8.60	7	61	14	97	0.01	0.0	10.515	0.039	8	2	1	26

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: McKee

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

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

PL.66555	PL.66554	B	#4 ACSR	7.31Y	121.8	0.04	3.18	5.87	5	42	9	98	0.01	0.0	10.687	0.172	5	1	2	20
PL.66556	PL.66555	B	#4 ACSR	7.31Y	121.8	0.03	3.21	5.06	4	36	8	98	0.01	0.0	10.805	0.118	0	0	0	17
PL.66557	PL.66556	B	#4 ACSR	7.31Y	121.8	0.02	3.23	5.06	4	36	8	98	0.01	0.0	10.910	0.105	0	0	0	16
PL.66390	PL.66557	B	#1/0 ACSR	7.31Y	121.8	0.00	3.23	0.41	0	3	1	95	0.00	0.0	10.954	0.045	3	1	1	1
PL.66391	PL.66557	B	#4 ACSR	7.31Y	121.8	0.00	3.23	1.00	1	7	2	96	0.00	0.0	10.953	0.044	7	2	2	2
PL.66558	PL.66557	B	#4 ACSR	7.31Y	121.8	0.02	3.25	3.66	3	26	6	97	0.00	0.0	11.020	0.111	3	1	1	13
PL.66775	PL.66558	B	#4 ACSR	7.30Y	121.7	0.01	3.26	3.30	3	24	5	98	0.00	0.0	11.106	0.086	0	0	0	11
PL.66776	PL.66775	B	#4 ACSR	7.30Y	121.7	0.01	3.27	3.30	3	24	5	98	0.00	0.0	11.182	0.076	0	0	0	11
PL.66394	PL.66776	B	#4 ACSR	7.30Y	121.7	0.00	3.27	0.00	0	0	0	100	0.00	0.0	11.225	0.043	0	0	0	0
PL.66395	PL.66776	B	#4 ACSR	7.30Y	121.7	0.01	3.28	3.30	3	24	5	98	0.00	0.0	11.230	0.048	0	0	0	11
PL.66559	PL.66395	B	#4 ACSR	7.30Y	121.7	0.01	3.28	3.01	2	22	5	98	0.00	0.0	11.305	0.075	6	1	2	10
PL.66871	PL.66559	B	#1/0 ACSR	7.30Y	121.7	0.00	3.28	0.13	0	1	0	100	0.00	0.0	11.309	0.005	0	0	0	1
PD.10043	PL.66871	B	15T	7.30Y	121.7	0.00	3.28	0.13	0	1	0	100	0.00	0.0	11.309	0.005	0	0	0	1
PL.66872	PD.10043	B	#1/0 ACSR	7.30Y	121.7	0.00	3.28	0.13	0	1	0	100	0.00	0.0	11.411	0.102	1	0	1	1
PL.66777	PL.66559	B	#4 ACSR	7.30Y	121.7	0.01	3.29	2.00	2	14	3	98	0.00	0.0	11.378	0.073	0	0	0	7
PL.66778	PL.66777	B	#4 ACSR	7.30Y	121.7	0.01	3.30	2.00	2	14	3	98	0.00	0.0	11.515	0.137	10	2	2	7
PL.66397	PL.66778	B	#4 ACSR	7.30Y	121.7	0.00	3.30	0.57	0	4	0	100	0.00	0.0	11.684	0.169	0	0	0	5
PL.66632	PL.66397	B	#4 ACSR	7.30Y	121.7	0.00	3.30	0.57	0	4	0	100	0.00	0.0	11.794	0.110	0	0	2	5
PL.66874	PL.66632	B	2 AL URD	7.30Y	121.7	0.00	3.30	0.56	0	4	0	100	0.00	0.0	11.799	0.005	0	0	0	3
PD.10045	PL.66874	B	15T	7.30Y	121.7	0.00	3.30	0.56	0	4	0	100	0.00	0.0	11.799	0.005	0	0	0	3
PL.66875	PD.10045	B	2 AL URD	7.30Y	121.7	0.00	3.31	0.56	0	4	0	100	0.00	0.0	11.948	0.149	0	0	0	3
PD.10044	PL.66875	B	15T	7.30Y	121.7	0.00	3.31	0.57	0	4	1	97	0.00	0.0	11.948	0.149	0	0	0	3
PL.66873	PD.10044	B	2 AL URD	7.30Y	121.7	0.00	3.31	0.57	0	4	1	97	0.00	0.0	11.953	0.005	4	1	2	3
PL.66398	PL.66873	B	#4 ACSR	7.30Y	121.7	0.00	3.31	0.02	0	0	0	100	0.00	0.0	12.079	0.126	0	0	0	1
PL.66633	PL.66398	B	#4 ACSR	7.30Y	121.7	0.00	3.31	0.02	0	0	0	100	0.00	0.0	12.171	0.092	0	0	0	1
PL.66654	PL.66633	B	#4 ACSR	7.30Y	121.7	0.00	3.31	0.02	0	0	0	100	0.00	0.0	12.272	0.102	0	0	0	1
PL.66634	PL.66654	B	#4 ACSR	7.30Y	121.7	0.00	3.31	0.02	0	0	0	100	0.00	0.0	12.434	0.162	0	0	1	1
PL.66396	PL.66395	B	#4 ACSR	7.30Y	121.7	0.00	3.28	0.29	0	2	0	100	0.00	0.0	11.255	0.026	2	0	1	1
PL.66774	PL.66558	B	#4 ACSR	7.31Y	121.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	11.081	0.060	0	0	1	1
PL.66773	PL.66774	B	#4 ACSR	7.31Y	121.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	11.114	0.034	0	0	0	0
PL.66393	PL.66773	B	#1/0 ACSR	7.31Y	121.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	11.159	0.045	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: McKee

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

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

PL.66389	PL.66556	B	#4 ACSR	7.31Y	121.8	0.00	3.21	0.01	0	0	0	100	0.00	0.0	10.854	0.049	0	0	0	1
PL.66914	PL.66389	B	#1/0 ACSR	7.31Y	121.8	0.00	3.21	0.01	0	0	0	100	0.00	0.0	10.858	0.005	0	0	0	1
PD.10066	PL.66914	B	15T	7.31Y	121.8	0.00	3.21	0.01	0	0	0	100	0.00	0.0	10.858	0.005	0	0	0	1
PL.66915	PD.10066	B	#1/0 ACSR	7.31Y	121.8	0.00	3.21	0.01	0	0	0	100	0.00	0.0	10.978	0.120	0	0	1	1
PL.66388	PL.66555	B	#4 ACSR	7.31Y	121.8	0.00	3.18	0.04	0	0	0	100	0.00	0.0	10.732	0.045	0	0	1	1
PL.66387	PL.66554	B	#4 ACSR	7.31Y	121.9	0.00	3.14	1.60	1	11	3	96	0.00	0.0	10.590	0.075	7	2	1	5
PL.66492	PL.66387	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	0.67	0	5	1	98	0.00	0.0	10.642	0.052	4	1	3	4
PL.66772	PL.66492	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	0.06	0	0	0	100	0.00	0.0	10.699	0.057	0	0	1	1
PL.66385	PD.10039	B	#2 ACSR	7.32Y	122.1	0.00	2.95	0.71	0	5	1	98	0.00	0.0	10.118	0.057	5	1	1	1
PL.66849	PL.66541	C	#4 ACSR	7.35Y	122.5	0.00	2.49	5.80	4	41	10	97	0.00	0.0	8.773	0.005	0	0	0	11
PD.10031	PL.66849	C	30T	7.35Y	122.5	0.00	2.49	5.80	0	41	10	97	0.00	0.0	8.773	0.005	0	0	0	11
PL.66850	PD.10031	C	#4 ACSR	7.35Y	122.5	0.02	2.51	5.80	4	41	10	97	0.01	0.0	8.836	0.063	0	0	0	11
PL.66354	PL.66850	C	#4 ACSR	7.35Y	122.5	0.03	2.54	5.80	4	41	10	97	0.01	0.0	8.954	0.118	0	0	0	11
PL.66462	PL.66354	C	#4 ACSR	7.35Y	122.4	0.03	2.56	5.80	4	41	10	97	0.01	0.0	9.053	0.100	1	0	1	11
PL.66463	PL.66462	C	#4 ACSR	7.35Y	122.4	0.01	2.57	5.64	4	40	10	97	0.00	0.0	9.076	0.023	2	1	1	10
PL.66465	PL.66463	C	#4 ACSR	7.34Y	122.4	0.03	2.60	5.33	4	38	9	97	0.01	0.0	9.215	0.139	7	2	2	9
PL.66466	PL.66465	C	#4 ACSR	7.34Y	122.4	0.01	2.61	4.29	3	31	7	98	0.00	0.0	9.260	0.045	2	0	1	7
PL.66464	PL.66466	C	#4 ACSR	7.34Y	122.4	0.02	2.63	4.08	3	29	7	97	0.00	0.0	9.377	0.117	0	0	0	6
PL.66488	PL.66464	C	#2 ACSR	7.34Y	122.4	0.00	2.63	0.03	0	0	0	100	0.00	0.0	9.421	0.044	0	0	0	1
PL.66489	PL.66488	C	#2 ACSR	7.34Y	122.4	0.00	2.63	0.03	0	0	0	100	0.00	0.0	9.472	0.051	0	0	1	1
PL.66551	PL.66464	C	#4 ACSR	7.34Y	122.4	0.02	2.65	4.04	3	29	7	97	0.00	0.0	9.491	0.115	7	2	1	5
PL.66355	PL.66551	C	#1/0 ACSR	7.34Y	122.3	0.00	2.65	1.28	1	9	2	98	0.00	0.0	9.625	0.133	0	0	0	1
PL.66625	PL.66355	C	#1/0 ACSR	7.34Y	122.3	0.00	2.65	1.28	1	9	2	98	0.00	0.0	9.787	0.163	9	2	1	1
PL.66490	PL.66551	C	#4 ACSR	7.34Y	122.3	0.01	2.65	1.85	1	13	3	97	0.00	0.0	9.574	0.083	0	0	0	3
PL.66491	PL.66490	C	#4 ACSR	7.34Y	122.3	0.00	2.66	1.85	1	13	3	97	0.00	0.0	9.612	0.038	0	0	0	3
PL.66356	PL.66491	C	#1/0 ACSR	7.34Y	122.3	0.01	2.66	1.85	1	13	3	97	0.00	0.0	9.734	0.122	0	0	0	3
PL.66626	PL.66356	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.85	1	13	3	97	0.00	0.0	9.805	0.072	0	0	0	3
PL.66357	PL.66626	C	#4 ACSR	7.34Y	122.3	0.00	2.67	0.88	1	6	1	99	0.00	0.0	9.943	0.138	6	1	2	2
PL.66552	PL.66626	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.97	0	7	2	96	0.00	0.0	9.984	0.179	0	0	0	1
PL.66359	PL.66552	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.97	0	7	2	96	0.00	0.0	10.123	0.139	7	2	1	1
PL.66358	PL.66552	C	#4 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	10.069	0.085	0	0	0	0

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Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66352	PL.66461	A	#1/0 ACSR	7.35Y	122.5	0.00	2.46	0.25	0	2	0	100	0.00	0.0	8.721	0.040	2	0	1	1
PL.66827	PL.72926	C	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	7.709	0.005	0	0	0	0
PD.10020	PL.66827	C	30T	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	7.709	0.005	0	0	0	0
PL.66828	PD.10020	C	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	7.773	0.064	0	0	0	0
PL.66823	PL.66321	C	#1/0 ACSR	7.39Y	123.2	0.00	1.81	0.01	0	0	0	100	0.00	0.0	7.131	0.005	0	0	0	1
PD.10018	PL.66823	C	30T	7.39Y	123.2	0.00	1.81	0.01	0	0	0	100	0.00	0.0	7.131	0.005	0	0	0	1
PL.66824	PD.10018	C	#1/0 ACSR	7.39Y	123.2	0.00	1.81	0.01	0	0	0	100	0.00	0.0	7.168	0.036	0	0	1	1
PL.66831	PL.66640	C	#4 ACSR	7.47Y	124.5	0.00	0.47	2.54	2	19	4	98	0.00	0.0	4.822	0.005	0	0	0	3
PD.10022	PL.66831	C	65T	7.47Y	124.5	0.00	0.47	2.54	0	19	4	98	0.00	0.0	4.822	0.005	0	0	0	3
PL.66832	PD.10022	C	#4 ACSR	7.47Y	124.5	0.02	0.48	2.54	2	19	4	98	0.00	0.0	4.962	0.140	0	0	0	3
PL.66578	PL.66832	C	#4 ACSR	7.47Y	124.5	0.01	0.49	2.54	2	18	4	98	0.00	0.0	5.080	0.118	0	0	0	3
PL.66579	PL.66578	C	#4 ACSR	7.47Y	124.5	0.01	0.51	2.54	2	18	4	98	0.00	0.0	5.181	0.101	0	0	0	3
PL.66347	PL.66579	C	#4 ACSR	7.47Y	124.5	0.01	0.52	2.54	2	18	4	98	0.00	0.0	5.308	0.127	0	0	0	3
PL.66580	PL.66347	C	#4 ACSR	7.47Y	124.5	0.02	0.54	2.54	2	18	4	98	0.00	0.0	5.496	0.188	0	0	0	3
PL.66581	PL.66580	C	#4 ACSR	7.47Y	124.4	0.01	0.55	2.54	2	18	4	98	0.00	0.0	5.592	0.097	0	0	0	3
PL.66663	PL.66581	C	#4 ACSR	7.47Y	124.4	0.01	0.56	2.54	2	18	4	98	0.00	0.0	5.665	0.073	0	0	0	3
PL.66779	PL.66663	C	#4 ACSR	7.47Y	124.4	0.00	0.56	1.33	1	10	2	98	0.00	0.0	5.710	0.045	2	1	1	2
PL.66780	PL.66779	C	#4 ACSR	7.47Y	124.4	0.00	0.56	1.01	1	7	2	96	0.00	0.0	5.756	0.046	7	2	1	1
PL.66664	PL.66663	C	#4 ACSR	7.47Y	124.4	0.00	0.56	1.21	1	9	2	98	0.00	0.0	5.708	0.043	9	2	1	1
PL.66910	PL.66311	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.90	1	6	2	95	0.00	0.0	3.708	0.004	0	0	0	3
PD.10064	PL.66910	A	65T	7.37Y	122.9	0.00	2.11	0.90	0	6	2	95	0.00	0.0	3.708	0.004	0	0	0	3
PL.66911	PD.10064	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.90	1	6	2	95	0.00	0.0	3.816	0.108	0	0	0	3
PL.66312	PL.66911	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.70	1	5	1	98	0.00	0.0	3.838	0.022	5	1	1	1
PL.66719	PL.66911	A	#2 ACSR	7.37Y	122.9	0.00	2.11	0.20	0	1	0	100	0.00	0.0	3.918	0.101	0	0	1	2
PL.66720	PL.66719	A	#2 ACSR	7.37Y	122.9	0.00	2.11	0.15	0	1	0	100	0.00	0.0	3.960	0.042	0	0	0	1
PL.66313	PL.66720	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	0.15	0	1	0	100	0.00	0.0	3.998	0.038	1	0	1	1
PL.66837	PL.66311	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	0.10	0	1	0	100	0.00	0.0	3.708	0.004	0	0	0	1
PD.10025	PL.66837	A	65T	7.37Y	122.9	0.00	2.11	0.10	0	1	0	100	0.00	0.0	3.708	0.004	0	0	0	1
PL.66838	PD.10025	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	0.10	0	1	0	100	0.00	0.0	3.733	0.025	1	0	1	1
PL.66294	PL.66453	ABC	#1/0 ACSR	7.38Y	123.0	0.02	2.03	12.66	6	273	65	97	0.04	0.0	3.648	0.097	3	1	1	91
PL.66726	PL.66294	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.04	12.50	5	269	64	97	0.02	0.0	3.688	0.040	0	0	0	90

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

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

PL.66727	PL.66726	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.05	12.50	5	269	64	97	0.02	0.0	3.738	0.050	0	0	0	90
PL.66724	PL.66727	ABC	#1/0 ACSR	7.38Y	122.9	0.01	2.06	10.61	5	228	54	97	0.01	0.0	3.787	0.049	1	0	2	79
PL.66725	PL.66724	ABC	#1/0 ACSR	7.38Y	122.9	0.02	2.08	10.57	5	228	54	97	0.03	0.0	3.887	0.100	7	2	4	77
PL.66906	PL.66725	A	#4 ACSR	7.38Y	122.9	0.00	2.08	0.86	1	6	1	99	0.00	0.0	3.892	0.005	0	0	0	2
PD.10062	PL.66906	A	65T	7.38Y	122.9	0.00	2.08	0.86	0	6	1	99	0.00	0.0	3.892	0.005	0	0	0	2
PL.66907	PD.10062	A	#4 ACSR	7.38Y	122.9	0.00	2.08	0.86	1	6	1	99	0.00	0.0	3.930	0.038	6	1	2	2
PL.66721	PL.66725	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.10	9.79	4	211	50	97	0.03	0.0	4.011	0.123	9	2	2	70
PL.66722	PL.66721	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.10	9.39	4	202	48	97	0.01	0.0	4.042	0.032	11	3	4	68
PL.66723	PL.66722	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.12	8.88	4	191	45	97	0.02	0.0	4.134	0.092	13	3	2	64
PL.66845	PL.66723	C	#2 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	4.139	0.005	0	0	0	0
PD.10029	PL.66845	C	65T	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	4.139	0.005	0	0	0	0
PL.66846	PD.10029	C	#2 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	4.182	0.043	0	0	0	0
PL.66754	PL.66723	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.12	8.27	4	178	42	97	0.00	0.0	4.155	0.021	7	2	1	62
PL.66755	PL.66754	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.13	7.96	3	171	41	97	0.01	0.0	4.219	0.064	0	0	0	61
PL.66743	PL.66755	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.13	7.96	3	171	41	97	0.01	0.0	4.258	0.039	0	0	1	60
PL.66744	PL.66743	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.14	7.96	3	171	41	97	0.01	0.0	4.328	0.069	0	0	0	59
PL.66908	PL.66744	C	6 A (CWC)	7.37Y	122.9	0.00	2.15	18.95	14	136	32	97	0.00	0.0	4.332	0.005	0	0	0	46
PD.10063	PL.66908	C	65T	7.37Y	122.9	0.00	2.15	18.95	0	136	32	97	0.00	0.0	4.332	0.005	0	0	0	46
PL.66909	PD.10063	C	6 A (CWC)	7.37Y	122.8	0.03	2.18	18.95	14	136	32	97	0.03	0.0	4.370	0.037	6	1	1	46
PL.66533	PL.66909	C	6 A (CWC)	7.37Y	122.8	0.05	2.23	15.79	11	113	27	97	0.04	0.0	4.442	0.072	0	0	0	38
PL.66302	PL.66533	C	#4 ACSR	7.37Y	122.8	0.00	2.23	0.81	1	6	1	99	0.00	0.0	4.508	0.067	6	1	2	2
PL.66534	PL.66533	C	6 A (CWC)	7.36Y	122.7	0.06	2.30	14.74	11	106	25	97	0.05	0.0	4.543	0.101	8	2	3	33
PL.66717	PL.66534	C	6 A (CWC)	7.36Y	122.7	0.03	2.33	13.62	10	98	23	97	0.02	0.0	4.598	0.055	0	0	0	30
PL.66718	PL.66717	C	6 A (CWC)	7.36Y	122.6	0.04	2.37	13.62	10	98	23	97	0.03	0.0	4.669	0.071	12	3	2	30
PL.66716	PL.66718	C	6 A (CWC)	7.36Y	122.6	0.03	2.40	12.01	9	86	20	97	0.02	0.0	4.732	0.063	15	4	5	28
PL.66756	PL.66716	C	6 A (CWC)	7.35Y	122.6	0.02	2.42	9.92	7	71	17	97	0.01	0.0	4.773	0.041	6	1	1	23
PL.66757	PL.66756	C	6 A (CWC)	7.35Y	122.6	0.02	2.44	9.11	7	65	15	97	0.01	0.0	4.830	0.057	5	1	1	22
PL.66305	PL.66757	C	#4 ACSR	7.35Y	122.6	0.00	2.45	8.37	6	60	14	97	0.00	0.0	4.840	0.010	0	0	1	21
PL.66737	PL.66305	C	6 A (CWC)	7.35Y	122.5	0.03	2.48	8.37	6	60	14	97	0.01	0.0	4.927	0.087	11	3	3	20
PL.66738	PL.66737	C	6 A (CWC)	7.35Y	122.5	0.01	2.49	6.84	5	49	12	97	0.00	0.0	4.960	0.033	13	3	4	17
PL.66735	PL.66738	C	6 A (CWC)	7.35Y	122.5	0.02	2.51	5.02	4	36	9	97	0.01	0.0	5.057	0.097	2	1	3	13

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66736	PL.66735	C	6 A (CWC)	7.35Y	122.5	0.00	2.51	4.70	3	34	8	97	0.00	0.0	5.076	0.019	0	0	0	10
PL.66306	PL.66736	C	6 A (CWC)	7.35Y	122.5	0.00	2.51	1.10	1	8	2	97	0.00	0.0	5.118	0.042	8	2	2	2
PL.66733	PL.66736	C	6 A (CWC)	7.35Y	122.5	0.01	2.52	3.60	3	26	6	97	0.00	0.0	5.142	0.066	6	1	2	8
PL.66734	PL.66733	C	6 A (CWC)	7.35Y	122.5	0.00	2.52	2.74	2	20	5	97	0.00	0.0	5.173	0.031	11	3	3	6
PL.66307	PL.66734	C	6 A (CWC)	7.35Y	122.5	0.00	2.53	1.17	1	8	2	97	0.00	0.0	5.262	0.090	0	0	0	3
PL.66535	PL.66307	C	6 A (CWC)	7.35Y	122.5	0.00	2.53	0.89	1	6	2	95	0.00	0.0	5.293	0.030	6	2	2	2
PL.66308	PL.66307	C	6 A (CWC)	7.35Y	122.5	0.00	2.53	0.28	0	2	0	100	0.00	0.0	5.338	0.076	2	0	1	1
PL.66303	PL.66533	C	6 A (CWC)	7.37Y	122.8	0.00	2.23	0.24	0	2	0	100	0.00	0.0	4.488	0.047	0	0	0	3
PL.66304	PL.66303	C	#4 ACSR	7.37Y	122.8	0.00	2.23	0.24	0	2	0	100	0.00	0.0	4.537	0.048	2	0	3	3
PL.66300	PL.66909	C	6 A (CWC)	7.37Y	122.8	0.01	2.19	2.39	2	17	4	97	0.00	0.0	4.464	0.094	0	0	0	7
PL.66741	PL.66300	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.49	1	11	3	96	0.00	0.0	4.505	0.041	0	0	1	6
PL.66742	PL.66741	C	6 A (CWC)	7.37Y	122.8	0.00	2.20	1.49	1	11	3	96	0.00	0.0	4.599	0.094	11	3	4	5
PL.66739	PL.66742	C	#2 ACSR	7.37Y	122.8	0.00	2.20	0.02	0	0	0	100	0.00	0.0	4.643	0.045	0	0	0	1
PL.66740	PL.66739	C	#2 ACSR	7.37Y	122.8	0.00	2.20	0.02	0	0	0	100	0.00	0.0	4.762	0.119	0	0	1	1
PL.66301	PL.66300	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.90	1	6	2	95	0.00	0.0	4.534	0.070	6	2	1	1
PL.66839	PL.66744	A	6 A (CWC)	7.37Y	122.9	0.00	2.15	4.94	4	35	8	97	0.00	0.0	4.332	0.005	0	0	0	13
PD.10026	PL.66839	A	65T	7.37Y	122.9	0.00	2.15	4.94	0	35	8	97	0.00	0.0	4.332	0.005	0	0	0	13
PL.66840	PD.10026	A	6 A (CWC)	7.37Y	122.8	0.01	2.16	4.94	4	35	8	97	0.00	0.0	4.387	0.054	1	0	1	13
PL.66745	PL.66840	A	6 A (CWC)	7.37Y	122.8	0.02	2.18	4.81	3	35	8	97	0.01	0.0	4.478	0.091	0	0	0	12
PL.66309	PL.66745	A	#1/0 ACSR	7.37Y	122.8	0.00	2.18	0.87	0	6	1	99	0.00	0.0	4.538	0.060	6	1	1	1
PL.66746	PL.66745	A	6 A (CWC)	7.37Y	122.8	0.01	2.19	3.94	3	28	7	97	0.00	0.0	4.532	0.055	2	0	1	11
PL.66747	PL.66746	A	6 A (CWC)	7.37Y	122.8	0.00	2.19	3.67	3	26	6	97	0.00	0.0	4.554	0.022	0	0	2	10
PL.66532	PL.66747	A	6 A (CWC)	7.37Y	122.8	0.01	2.20	3.64	3	26	6	97	0.00	0.0	4.603	0.048	5	1	1	8
PL.66666	PL.66532	A	6 A (CWC)	7.37Y	122.8	0.01	2.21	2.97	2	21	5	97	0.00	0.0	4.658	0.055	0	0	0	7
PL.66748	PL.66666	A	6 A (CWC)	7.37Y	122.8	0.01	2.21	2.83	2	20	5	97	0.00	0.0	4.741	0.083	3	1	2	6
PL.66749	PL.66748	A	6 A (CWC)	7.37Y	122.8	0.00	2.22	2.38	2	17	4	97	0.00	0.0	4.832	0.092	17	4	4	4
PL.66310	PL.66666	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.13	0	1	0	100	0.00	0.0	4.674	0.016	1	0	1	1
PL.66841	PL.66755	A	#4 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	4.224	0.005	0	0	0	1
PD.10027	PL.66841	A	65T	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	4.224	0.005	0	0	0	1
PL.66842	PD.10027	A	#4 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	4.260	0.036	0	0	1	1
PL.66833	PL.66725	C	#4 ACSR	7.38Y	122.9	0.00	2.08	0.45	0	3	1	95	0.00	0.0	3.892	0.005	0	0	0	1

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10023	PL.66833	C	65T	7.38Y	122.9	0.00	2.08	0.45	0	3	1	95	0.00	0.0	3.892	0.005	0	0	0	1
PL.66834	PD.10023	C	#4 ACSR	7.38Y	122.9	0.00	2.08	0.45	0	3	1	95	0.00	0.0	3.954	0.063	3	1	1	1
PL.66904	PL.66727	C	#4 ACSR	7.38Y	122.9	0.00	2.05	4.34	3	31	7	98	0.00	0.0	3.742	0.005	0	0	0	9
PD.10061	PL.66904	C	65T	7.38Y	122.9	0.00	2.05	4.34	0	31	7	98	0.00	0.0	3.742	0.005	0	0	0	9
PL.66905	PD.10061	C	#4 ACSR	7.38Y	122.9	0.00	2.06	4.34	3	31	7	98	0.00	0.0	3.768	0.026	4	1	1	9
PL.66296	PL.66905	C	#2 ACSR	7.38Y	122.9	0.00	2.06	3.12	2	22	5	98	0.00	0.0	3.817	0.049	15	4	3	6
PL.66298	PL.66296	C	#4 ACSR	7.38Y	122.9	0.00	2.06	0.97	1	7	2	96	0.00	0.0	3.888	0.071	7	2	3	3
PL.66665	PL.66905	C	#4 ACSR	7.38Y	122.9	0.00	2.06	0.61	0	4	1	97	0.00	0.0	3.791	0.023	4	1	2	2
PL.66297	PL.66905	C	6 A (CWC)	7.38Y	122.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	3.841	0.073	0	0	0	0
PL.66295	PL.66727	A	#4 ACSR	7.38Y	123.0	0.00	2.05	1.33	1	10	2	98	0.00	0.0	3.744	0.006	10	2	2	2
PL.66291	PL.66571	B	6 A (CWC)	7.39Y	123.1	0.01	1.86	2.18	2	16	4	97	0.00	0.0	3.528	0.158	7	2	1	4
PL.66292	PL.66291	B	6 A (CWC)	7.39Y	123.1	0.00	1.87	1.26	1	9	2	98	0.00	0.0	3.617	0.089	7	2	2	3
PL.66293	PL.66292	B	#4 ACSR	7.39Y	123.1	0.00	1.87	0.33	0	2	1	89	0.00	0.0	3.701	0.084	2	1	1	1
PL.66835	PL.66751	B	#1/0 ACSR	7.40Y	123.3	0.00	1.68	1.47	1	11	3	96	0.00	0.0	3.182	0.005	0	0	0	1
PD.10024	PL.66835	B	65T	7.40Y	123.3	0.00	1.68	1.47	0	11	3	96	0.00	0.0	3.182	0.005	0	0	0	1
PL.66836	PD.10024	B	#1/0 ACSR	7.40Y	123.3	0.00	1.68	1.47	1	11	3	96	0.00	0.0	3.223	0.041	11	3	1	1
PL.66843	PL.66941	A	#1/0 ACSR	7.41Y	123.6	0.00	1.45	0.94	0	7	2	96	0.00	0.0	2.937	0.005	0	0	0	1
PD.10028	PL.66843	A	65T	7.41Y	123.6	0.00	1.45	0.94	0	7	2	96	0.00	0.0	2.937	0.005	0	0	0	1
PL.66844	PD.10028	A	#1/0 ACSR	7.41Y	123.6	0.00	1.45	0.94	0	7	2	96	0.00	0.0	3.002	0.065	7	2	1	1
CP.105	PL.66940	ABC	Cap (300)	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	2.823	0.065	0	0	0	0
PL.66932	PL.66569	ABC	#4 ACSR	7.43Y	123.9	0.00	1.10	1.79	1	36	17	90	0.00	0.0	2.454	0.024	0	0	0	1
PD.10075	PL.66932	ABC	65T	7.43Y	123.9	0.00	1.10	1.79	0	36	17	90	0.00	0.0	2.454	0.024	0	0	0	1
PL.66933	PD.10075	ABC	#4 ACSR	7.43Y	123.9	0.00	1.11	1.79	1	36	17	90	0.00	0.0	2.515	0.061	0	0	0	1
PL.66570	PL.66933	ABC	#4 ACSR	7.43Y	123.9	0.01	1.11	1.79	1	36	17	90	0.00	0.0	2.674	0.159	36	17	1	1
PL.66898	PL.66935	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.79	1	6	1	99	0.00	0.0	1.893	0.005	0	0	0	2
PD.10058	PL.66898	A	65T	7.45Y	124.1	0.00	0.89	0.79	0	6	1	99	0.00	0.0	1.893	0.005	0	0	0	2
PL.66899	PD.10058	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.79	1	6	1	99	0.00	0.0	1.910	0.017	0	0	0	2
PL.66288	PL.66899	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.79	1	6	1	99	0.00	0.0	1.973	0.063	6	1	2	2
PL.66876	PL.66935	C	#4 ACSR	7.45Y	124.1	0.00	0.89	0.02	0	0	0	100	0.00	0.0	1.893	0.005	0	0	0	1
PD.10046	PL.66876	C	65T	7.45Y	124.1	0.00	0.89	0.02	0	0	0	100	0.00	0.0	1.893	0.005	0	0	0	1
PL.66877	PD.10046	C	#4 ACSR	7.45Y	124.1	0.00	0.89	0.02	0	0	0	100	0.00	0.0	1.920	0.027	0	0	0	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66287	PL.66877	C	#4 ACSR	7.45Y	124.1	0.00	0.89	0.02	0	0	0	100	0.00	0.0	1.990	0.070	0	0	1	1
PL.66896	PL.66451	A	#4 ACSR	7.46Y	124.3	0.00	0.73	4.62	4	33	8	97	0.00	0.0	1.493	0.005	0	0	0	9
PD.10057	PL.66896	A	65T	7.46Y	124.3	0.00	0.73	4.62	0	33	8	97	0.00	0.0	1.493	0.005	0	0	0	9
PL.66897	PD.10057	A	#4 ACSR	7.46Y	124.3	0.00	0.73	4.62	4	33	8	97	0.00	0.0	1.520	0.027	10	2	1	9
PL.66782	PL.66897	A	#4 ACSR	7.46Y	124.3	0.00	0.73	3.23	2	23	6	97	0.00	0.0	1.551	0.031	7	2	1	8
PL.66783	PL.66782	A	#4 ACSR	7.46Y	124.3	0.00	0.74	2.26	2	16	4	97	0.00	0.0	1.591	0.040	9	2	1	7
PL.66781	PL.66783	A	#4 ACSR	7.46Y	124.3	0.00	0.74	0.97	1	7	2	96	0.00	0.0	1.635	0.043	7	2	6	6
PL.66878	PL.66451	C	#4 ACSR	7.46Y	124.3	0.00	0.73	1.98	2	14	3	98	0.00	0.0	1.493	0.005	0	0	0	6
PD.10047	PL.66878	C	65T	7.46Y	124.3	0.00	0.73	1.98	0	14	3	98	0.00	0.0	1.493	0.005	0	0	0	6
PL.66879	PD.10047	C	#4 ACSR	7.46Y	124.3	0.00	0.73	1.98	2	14	3	98	0.00	0.0	1.508	0.016	9	2	3	6
PL.66785	PL.66879	C	#4 ACSR	7.46Y	124.3	0.00	0.73	0.72	1	5	1	98	0.00	0.0	1.653	0.145	5	1	2	3
PL.66786	PL.66785	C	#4 ACSR	7.46Y	124.3	0.00	0.73	0.05	0	0	0	100	0.00	0.0	1.816	0.162	0	0	1	1
PL.66930	PL.66667	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.70	10.88	5	219	106	90	0.00	0.0	1.419	0.004	0	0	0	1
PD.10074	PL.66930	ABC	65T	7.46Y	124.3	0.00	0.70	10.88	0	219	106	90	0.00	0.0	1.419	0.004	0	0	0	1
PL.66931	PD.10074	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.70	10.88	5	219	106	90	0.00	0.0	1.423	0.004	219	106	1	1
PL.66805	PL.66931	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.454	0.030	0	0	0	0
PL.66806	PL.66805	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.565	0.111	0	0	0	0
PL.66880	PL.66675	B	#1/0 ACSR	7.47Y	124.5	0.00	0.54	39.53	17	287	68	97	0.01	0.0	1.108	0.005	0	0	0	169
PD.10049	PL.66880	B	65T	7.47Y	124.5	0.00	0.54	39.53	0	287	68	97	0.00	0.0	1.108	0.005	0	0	0	169
PL.66881	PD.10049	B	#1/0 ACSR	7.47Y	124.5	0.01	0.55	39.53	17	287	68	97	0.02	0.0	1.119	0.012	0	0	0	169
PL.66275	PL.66881	B	#1/0 ACSR	7.47Y	124.4	0.02	0.57	22.48	10	163	39	97	0.02	0.0	1.173	0.053	31	7	14	110
PL.66448	PL.66275	B	#1/0 ACSR	7.47Y	124.4	0.00	0.57	18.20	8	132	31	97	0.00	0.0	1.173	0.000	24	6	13	96
PL.66447	PL.66448	B	#1/0 ACSR	7.47Y	124.4	0.01	0.58	14.93	6	108	26	97	0.01	0.0	1.216	0.043	48	11	29	83
PL.66804	PL.66447	B	#1/0 ACSR	7.46Y	124.4	0.00	0.59	8.35	4	61	14	97	0.00	0.0	1.257	0.042	61	14	54	54
PL.66803	PL.66804	B	#1/0 ACSR	7.46Y	124.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	1.283	0.026	0	0	0	0
PL.66789	PL.66881	B	#1/0 ACSR	7.47Y	124.4	0.01	0.55	17.05	7	124	29	97	0.01	0.0	1.142	0.022	17	4	14	59
PL.66882	PL.66789	B	#1/0 ACSR	7.47Y	124.4	0.00	0.55	14.70	6	107	25	97	0.00	0.0	1.146	0.005	0	0	0	45
PD.10050	PL.66882	B	65T	7.47Y	124.4	0.00	0.55	14.70	0	107	25	97	0.00	0.0	1.146	0.005	0	0	0	45
PL.66883	PD.10050	B	#1/0 ACSR	7.47Y	124.4	0.00	0.56	14.70	6	107	25	97	0.00	0.0	1.153	0.007	19	4	6	45
PL.66449	PL.66883	B	#1/0 ACSR	7.47Y	124.4	0.00	0.56	6.71	3	49	12	97	0.00	0.0	1.174	0.020	0	0	0	23
PL.66277	PL.66449	B	#1/0 ACSR	7.47Y	124.4	0.01	0.57	6.71	3	49	12	97	0.00	0.0	1.232	0.058	7	2	1	23

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.66281	PL.66277	B	#4 ACSR	7.47Y	124.4	0.00	0.57	0.75	1	5	1	98	0.00	0.0	1.265	0.033	5	1	1	1
PL.66450	PL.66277	B	#1/0 ACSR	7.47Y	124.4	0.00	0.57	5.01	2	36	9	97	0.00	0.0	1.246	0.014	36	9	21	21
PL.66280	PL.66450	B	#1/0 ACSR	7.47Y	124.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	1.288	0.042	0	0	0	0
PL.66278	PL.66883	B	#4 ACSR	7.47Y	124.4	0.01	0.57	5.41	4	39	9	97	0.00	0.0	1.193	0.040	4	1	1	16
PL.66283	PL.66278	B	#2 ACSR	7.47Y	124.4	0.00	0.57	3.74	2	27	6	98	0.00	0.0	1.218	0.026	0	0	0	12
PL.66637	PL.66283	B	#4 ACSR	7.47Y	124.4	0.01	0.57	3.74	3	27	6	98	0.00	0.0	1.257	0.038	8	2	2	12
PL.66638	PL.66637	B	#2 ACSR	7.47Y	124.4	0.00	0.58	2.63	2	19	5	97	0.00	0.0	1.287	0.030	19	5	8	8
PL.66284	PL.66637	B	#4 ACSR	7.47Y	124.4	0.00	0.57	0.02	0	0	0	100	0.00	0.0	1.285	0.028	0	0	2	2
PL.66673	PL.66278	B	#4 ACSR	7.47Y	124.4	0.00	0.57	1.18	1	9	2	98	0.00	0.0	1.203	0.011	0	0	0	3
PL.66282	PL.66673	B	#4 ACSR	7.47Y	124.4	0.00	0.57	0.54	0	4	1	97	0.00	0.0	1.224	0.021	4	1	1	1
PL.66674	PL.66673	B	#4 ACSR	7.47Y	124.4	0.00	0.57	0.64	0	5	1	98	0.00	0.0	1.249	0.045	5	1	2	2
PL.66885	PL.66446	C	#2 ACSR	7.47Y	124.5	0.00	0.46	1.26	1	9	2	98	0.00	0.0	0.993	0.005	0	0	0	2
PD.10051	PL.66885	C	65T	7.47Y	124.5	0.00	0.46	1.26	0	9	2	98	0.00	0.0	0.993	0.005	0	0	0	2
PL.66884	PD.10051	C	#2 ACSR	7.47Y	124.5	0.00	0.46	1.26	1	9	2	98	0.00	0.0	1.028	0.036	9	2	2	2
PL.66890	PL.66794	C	#2 ACSR	7.49Y	124.8	0.00	0.22	1.72	1	13	3	97	0.00	0.0	0.625	0.005	0	0	0	2
PD.10054	PL.66890	C	65T	7.49Y	124.8	0.00	0.22	1.72	0	13	3	97	0.00	0.0	0.625	0.005	0	0	0	2
PL.66891	PD.10054	C	#2 ACSR	7.49Y	124.8	0.00	0.22	1.72	1	13	3	97	0.00	0.0	0.655	0.029	13	3	2	2
PL.67908	McKee	ABC	336 MCM AC	7.50Y	125.0	0.02	0.02	247.50	48	5250	1858	94	0.39	0.0	0.008	0.008	0	0	0	985
PL.72499	PL.67908	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	247.50	48	5249	1857	94	0.09	0.0	0.009	0.002	0	0	0	985
----- Feeder No. 2 (JCHS F2) Beginning with Device PD.10785 -----																				
PD.10785	PL.72499	ABC	400VWE	7.50Y	125.0	0.00	0.02	247.50	0	5249	1857	94	0.00	0.0	0.009	0.002	0	0	0	985
PL.72500	PD.10785	ABC	336 MCM AC	7.49Y	124.9	0.06	0.08	247.50	48	5249	1857	94	1.68	0.0	0.042	0.033	6	1	2	985
PL.68152	PL.72500	ABC	336 MCM AC	7.48Y	124.7	0.19	0.27	247.22	48	5241	1852	94	4.95	0.1	0.138	0.096	5	1	2	983
PL.67848	PL.68152	ABC	336 MCM AC	7.47Y	124.4	0.30	0.57	246.97	48	5231	1839	94	7.76	0.1	0.289	0.151	0	0	0	981
PL.68175	PL.67848	ABC	336 MCM AC	7.45Y	124.2	0.24	0.81	246.97	48	5223	1821	94	6.25	0.1	0.411	0.122	0	0	1	981
PL.68176	PL.68175	ABC	336 MCM AC	7.44Y	124.1	0.13	0.95	246.96	48	5217	1806	94	3.49	0.1	0.479	0.068	0	0	0	980
PL.67851	PL.68176	ABC	336 MCM AC	7.43Y	123.8	0.25	1.19	246.96	48	5213	1798	95	6.41	0.1	0.603	0.125	0	0	0	980
PL.67850	PL.67851	ABC	336 MCM AC	7.41Y	123.6	0.25	1.44	246.96	48	5207	1783	95	6.47	0.1	0.729	0.126	0	0	0	980
PL.67852	PL.67850	ABC	336 MCM AC	7.39Y	123.2	0.31	1.76	246.96	48	5200	1768	95	8.24	0.2	0.890	0.160	0	0	0	980

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.67489	PL.67852	ABC	336 MCM AC	7.38Y	123.1	0.16	1.92	246.96	48	5192	1748	95	4.23	0.1	0.972	0.082	3	1	1	980
PL.67490	PL.67489	ABC	336 MCM AC	7.38Y	123.0	0.04	1.96	246.82	48	5185	1738	95	1.17	0.0	0.995	0.023	0	0	0	979
PL.67491	PL.67490	ABC	336 MCM AC	7.38Y	123.0	0.05	2.01	246.82	48	5184	1735	95	1.34	0.0	1.021	0.026	0	0	0	979
PL.68307	PL.67491	ABC	336 MCM AC	7.38Y	123.0	0.01	2.02	246.82	48	5182	1732	95	0.25	0.0	1.026	0.005	0	0	0	979
PD.10255-A	PL.68307	ABC	Closed	7.38Y	123.0	0.00	2.02	246.82	0	5182	1731	95	0.00	0.0	1.026	0.005	0	0	0	979
PD.10255-B	PD.10255-A	ABC	Closed	7.38Y	123.0	0.00	2.02	246.82	0	5182	1731	95	0.00	0.0	1.026	0.005	0	0	0	979
PL.68308	PD.10255-B	ABC	336 MCM AC	7.37Y	122.9	0.12	2.14	246.82	48	5182	1731	95	3.13	0.1	1.087	0.061	0	0	0	979
PL.68148	PL.68308	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	2.44	1	18	4	98	0.00	0.0	1.127	0.040	2	1	1	2
PL.68287	PL.68148	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	2.14	1	15	4	97	0.00	0.0	1.132	0.005	0	0	0	1
PD.10244	PL.68287	C	65T	7.37Y	122.9	0.00	2.14	2.14	0	15	4	97	0.00	0.0	1.132	0.005	0	0	0	1
PL.68288	PD.10244	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	2.14	1	15	4	97	0.00	0.0	1.138	0.006	15	4	1	1
PL.68149	PL.68308	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	1.99	0	43	10	97	0.00	0.0	1.189	0.102	43	10	8	8
PL.68150	PL.68149	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.244	0.055	0	0	0	0
PL.67406	PL.68150	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.248	0.005	0	0	0	0
PD.10162-B	PL.67406	ABC	Open	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.248	0.005	0	0	0	0
PL.68177	PL.68308	ABC	336 MCM AC	7.37Y	122.8	0.02	2.17	244.02	47	5118	1710	95	0.64	0.0	1.100	0.013	41	10	1	968
PL.68178	PL.68177	ABC	336 MCM AC	7.36Y	122.7	0.17	2.33	242.13	47	5077	1699	95	4.36	0.1	1.188	0.088	0	0	0	967
PL.68234	PL.68178	A	#4 ACSR	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	1.193	0.005	0	0	0	1
PD.10217	PL.68234	A	65T	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	1.193	0.005	0	0	0	1
PL.68233	PD.10217	A	#4 ACSR	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	1.215	0.023	0	0	0	1
PL.67790	PL.68178	ABC	336 MCM AC	7.36Y	122.6	0.07	2.40	242.13	47	5073	1688	95	1.77	0.0	1.224	0.036	0	0	0	966
PL.68131	PL.67790	ABC	#1/0 ACSR	7.35Y	122.6	0.05	2.45	53.76	23	1123	382	95	0.35	0.0	1.270	0.046	0	0	1	242
PL.68179	PL.68131	ABC	#1/0 ACSR	7.35Y	122.5	0.08	2.53	53.76	23	1123	382	95	0.55	0.0	1.356	0.086	215	104	2	241
PL.68180	PL.68179	ABC	#1/0 ACSR	7.35Y	122.4	0.04	2.57	43.01	19	907	277	96	0.25	0.0	1.422	0.066	244	118	1	239
PL.68323	PL.68180	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.57	30.89	13	662	158	97	0.02	0.0	1.430	0.008	0	0	0	238
PD.10263	PL.68323	ABC	70L	7.35Y	122.4	0.00	2.57	30.89	44	662	158	97	0.00	0.0	1.430	0.008	0	0	0	238
PL.68324	PD.10263	ABC	#1/0 ACSR	7.34Y	122.4	0.06	2.63	30.89	13	662	158	97	0.26	0.0	1.532	0.102	0	0	0	238
PL.67880	PL.68324	ABC	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	1.544	0.012	0	0	0	0
PL.67881	PL.67880	ABC	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	1.545	0.001	0	0	0	0
PL.67874	PL.67881	ABC	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	1.545	0.000	0	0	0	0
PL.67873	PL.67874	ABC	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	1.583	0.038	0	0	0	0

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67498	PL.68324	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	1.571	0.039	0	0	1	1
PL.67792	PL.68324	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.65	30.89	13	662	158	97	0.08	0.0	1.565	0.033	5	1	1	237
PL.67500	PL.67792	ABC	#2 ACSR	7.34Y	122.3	0.09	2.73	30.66	18	657	157	97	0.43	0.1	1.676	0.111	0	0	0	236
PL.68136	PL.67500	ABC	#2 ACSR	7.33Y	122.2	0.06	2.80	30.66	18	656	156	97	0.32	0.0	1.760	0.084	5	1	1	236
PL.68137	PL.68136	ABC	#2 ACSR	7.33Y	122.1	0.06	2.86	30.42	17	651	155	97	0.29	0.0	1.836	0.076	5	1	2	235
PL.68235	PL.68137	B	6 A (CWC)	7.33Y	122.1	0.00	2.86	1.64	1	12	3	97	0.00	0.0	1.860	0.024	0	0	0	3
PD.10218	PL.68235	B	30T	7.33Y	122.1	0.00	2.86	1.64	0	12	3	97	0.00	0.0	1.860	0.024	0	0	0	3
PL.68236	PD.10218	B	6 A (CWC)	7.33Y	122.1	0.00	2.86	1.64	1	12	3	97	0.00	0.0	1.888	0.028	7	2	2	3
PL.68144	PL.68236	B	6 A (CWC)	7.33Y	122.1	0.00	2.86	0.61	0	4	1	97	0.00	0.0	2.043	0.155	4	1	1	1
PL.67793	PL.68137	ABC	#2 ACSR	7.32Y	122.0	0.12	2.97	29.63	17	634	151	97	0.57	0.1	1.996	0.159	0	0	0	230
PL.68134	PL.67793	ABC	#2 ACSR	7.32Y	122.0	0.05	3.03	29.27	17	626	149	97	0.25	0.0	2.067	0.071	6	1	1	228
PL.68135	PL.68134	ABC	#2 ACSR	7.32Y	121.9	0.04	3.06	28.99	17	619	147	97	0.18	0.0	2.119	0.053	0	0	0	227
PL.68255	PL.68135	A	#4 ACSR	7.32Y	121.9	0.00	3.06	2.70	2	19	5	97	0.00	0.0	2.124	0.005	0	0	0	3
PD.10228	PL.68255	A	30T	7.32Y	121.9	0.00	3.06	2.70	0	19	5	97	0.00	0.0	2.124	0.005	0	0	0	3
PL.68256	PD.10228	A	#4 ACSR	7.32Y	121.9	0.00	3.07	2.70	2	19	5	97	0.00	0.0	2.145	0.021	19	5	3	3
PL.68239	PL.68135	A	#4 ACSR	7.32Y	121.9	0.00	3.07	17.26	13	123	29	97	0.00	0.0	2.124	0.005	0	0	0	48
PD.10220	PL.68239	A	30T	7.32Y	121.9	0.00	3.07	17.26	0	123	29	97	0.00	0.0	2.124	0.005	0	0	0	48
PL.68240	PD.10220	A	#4 ACSR	7.32Y	121.9	0.00	3.07	17.26	13	123	29	97	0.00	0.0	2.129	0.005	41	10	12	48
PL.68145	PL.68240	A	#4 ACSR	7.31Y	121.9	0.02	3.09	11.43	9	81	19	97	0.01	0.0	2.180	0.051	23	5	10	36
PL.68132	PL.68145	A	#4 ACSR	7.31Y	121.9	0.00	3.10	8.24	6	59	14	97	0.00	0.0	2.193	0.013	21	5	15	26
PL.68133	PL.68132	A	#4 ACSR	7.31Y	121.9	0.01	3.11	5.36	4	38	9	97	0.00	0.0	2.240	0.046	12	3	1	11
PL.67501	PL.68133	A	#4 ACSR	7.31Y	121.9	0.00	3.11	3.70	3	26	6	97	0.00	0.0	2.267	0.028	0	0	0	10
PL.68101	PL.67501	A	#4 ACSR	7.31Y	121.9	0.00	3.11	1.58	1	11	3	96	0.00	0.0	2.286	0.019	11	3	4	4
PL.68102	PL.68101	A	#4 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	2.300	0.014	0	0	0	0
PL.68104	PL.67501	A	#1/0 ACSR	7.31Y	121.9	0.00	3.11	0.51	0	4	1	97	0.00	0.0	2.288	0.021	4	1	2	2
PL.68105	PL.68104	A	#1/0 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	2.324	0.036	0	0	0	0
PL.67504	PL.67501	A	#4 ACSR	7.31Y	121.9	0.00	3.11	1.61	1	11	3	96	0.00	0.0	2.277	0.010	11	3	4	4
PL.68139	PL.68135	ABC	#2 ACSR	7.32Y	121.9	0.02	3.08	22.33	13	477	113	97	0.06	0.0	2.152	0.033	35	8	23	176
PL.68140	PL.68139	ABC	#2 ACSR	7.31Y	121.9	0.02	3.10	20.68	12	442	105	97	0.06	0.0	2.187	0.035	0	0	1	153
PL.68138	PL.68140	A	#4 ACSR	7.31Y	121.9	0.01	3.11	17.34	13	123	29	97	0.01	0.0	2.206	0.019	19	5	1	46
PL.68237	PL.68138	A	#4 ACSR	7.31Y	121.9	0.00	3.12	14.61	11	104	25	97	0.00	0.0	2.211	0.005	0	0	0	45

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10219	PL.68237	A	30T	7.31Y	121.9	0.00	3.12	14.61	0	104	25	97	0.00	0.0	2.211	0.005	0	0	0	45
PL.68238	PD.10219	A	#4 ACSR	7.31Y	121.9	0.03	3.14	14.61	11	104	25	97	0.02	0.0	2.269	0.059	55	13	21	45
PL.68107	PL.68238	A	#4 ACSR	7.31Y	121.9	0.01	3.15	6.95	5	49	12	97	0.00	0.0	2.305	0.036	49	12	24	24
PL.68103	PL.68107	A	#4 ACSR	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	2.327	0.022	0	0	0	0
PL.67503	PL.68103	A	#4 ACSR	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	2.366	0.040	0	0	0	0
PL.67502	PL.68140	ABC	#2 ACSR	7.31Y	121.9	0.02	3.12	12.63	7	270	64	97	0.05	0.0	2.260	0.073	8	2	1	70
PL.68146	PL.67502	ABC	#2 ACSR	7.31Y	121.9	0.02	3.14	12.23	7	261	62	97	0.04	0.0	2.327	0.067	0	0	0	69
PL.68147	PL.68146	ABC	#2 ACSR	7.31Y	121.8	0.03	3.17	12.23	7	261	62	97	0.06	0.0	2.420	0.093	3	1	1	69
PL.68112	PL.68147	ABC	#2 ACSR	7.31Y	121.8	0.01	3.18	12.11	7	258	61	97	0.01	0.0	2.440	0.020	0	0	0	68
PL.68113	PL.68112	ABC	#2 ACSR	7.31Y	121.8	0.00	3.18	11.40	7	243	58	97	0.01	0.0	2.449	0.010	2	0	1	64
PL.68169	PL.68113	ABC	#2 ACSR	7.31Y	121.8	0.01	3.19	11.32	6	242	57	97	0.03	0.0	2.500	0.050	8	2	5	63
PL.68170	PL.68169	ABC	#2 ACSR	7.31Y	121.8	0.02	3.21	10.94	6	233	55	97	0.03	0.0	2.563	0.063	11	3	5	58
PL.68168	PL.68170	ABC	#2 ACSR	7.31Y	121.8	0.01	3.22	10.42	6	222	53	97	0.02	0.0	2.598	0.035	0	0	0	53
PL.68165	PL.68168	ABC	#2 ACSR	7.31Y	121.8	0.01	3.23	8.81	5	188	45	97	0.01	0.0	2.642	0.044	0	0	0	43
PL.68166	PL.68165	ABC	#2 ACSR	7.31Y	121.8	0.01	3.24	8.81	5	188	45	97	0.01	0.0	2.688	0.045	6	1	2	43
PL.67508	PL.68166	B	#4 ACSR	7.30Y	121.6	0.12	3.36	20.55	16	146	35	97	0.13	0.1	2.819	0.131	5	1	2	33
PL.67513	PL.67508	B	#4 ACSR	7.30Y	121.6	0.01	3.36	9.72	7	69	16	97	0.00	0.0	2.836	0.017	4	1	1	18
PL.67794	PL.67513	B	#4 ACSR	7.30Y	121.6	0.01	3.37	6.86	5	49	12	97	0.00	0.0	2.856	0.019	0	0	0	14
PL.67511	PL.67794	B	#4 ACSR	7.30Y	121.6	0.00	3.37	2.76	2	20	5	97	0.00	0.0	2.894	0.038	20	5	4	4
PL.68161	PL.67794	B	#4 ACSR	7.30Y	121.6	0.00	3.37	4.10	3	29	7	97	0.00	0.0	2.870	0.014	12	3	3	10
PL.68162	PL.68161	B	#4 ACSR	7.30Y	121.6	0.00	3.37	2.37	2	17	4	97	0.00	0.0	2.924	0.054	12	3	4	7
PL.68160	PL.68162	B	#4 ACSR	7.30Y	121.6	0.00	3.38	0.75	1	5	1	98	0.00	0.0	2.955	0.032	5	1	3	3
PL.67795	PL.67513	B	#4 ACSR	7.30Y	121.6	0.00	3.37	2.32	2	16	4	97	0.00	0.0	2.884	0.048	0	0	0	3
PL.67510	PL.67795	B	#4 ACSR	7.30Y	121.6	0.00	3.37	1.85	1	13	3	97	0.00	0.0	2.925	0.041	13	3	2	2
PL.67509	PL.67795	B	#4 ACSR	7.30Y	121.6	0.00	3.37	0.47	0	3	1	95	0.00	0.0	2.914	0.029	3	1	1	1
PL.67512	PL.67508	B	#4 ACSR	7.30Y	121.6	0.01	3.37	10.08	8	72	17	97	0.00	0.0	2.839	0.020	0	0	0	13
PL.68156	PL.67512	B	#4 ACSR	7.30Y	121.6	0.00	3.37	4.48	3	32	8	97	0.00	0.0	2.861	0.022	12	3	2	7
PL.68157	PL.68156	B	#4 ACSR	7.30Y	121.6	0.00	3.37	2.80	2	20	5	97	0.00	0.0	2.908	0.047	9	2	2	5
PL.68153	PL.68157	B	#4 ACSR	7.30Y	121.6	0.00	3.37	1.59	1	11	3	96	0.00	0.0	2.953	0.045	11	3	3	3
PL.68158	PL.67512	B	#2 ACSR	7.30Y	121.6	0.00	3.37	5.59	3	40	9	98	0.00	0.0	2.851	0.011	4	1	1	6
PL.68159	PL.68158	B	#2 ACSR	7.30Y	121.6	0.01	3.38	4.97	3	35	8	97	0.00	0.0	2.940	0.089	4	1	1	5

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68154	PL.68159	B	#2 ACSR	7.30Y	121.6	0.00	3.38	0.41	0	3	1	95	0.00	0.0	2.963	0.023	1	0	1	2
PL.68155	PL.68154	B	#2 ACSR	7.30Y	121.6	0.00	3.38	0.32	0	2	1	89	0.00	0.0	3.042	0.079	2	1	1	1
PL.67514	PL.68159	B	#4 ACSR	7.30Y	121.6	0.00	3.38	4.01	3	28	7	97	0.00	0.0	2.993	0.053	28	7	2	2
PL.68246	PL.68166	C	#4 ACSR	7.31Y	121.8	0.00	3.24	5.03	4	36	8	98	0.00	0.0	2.692	0.004	0	0	0	8
PD.10223	PL.68246	C	30T	7.31Y	121.8	0.00	3.24	5.03	0	36	8	98	0.00	0.0	2.692	0.004	0	0	0	8
PL.68245	PD.10223	C	#4 ACSR	7.31Y	121.8	0.01	3.25	5.03	4	36	8	98	0.00	0.0	2.724	0.032	7	2	3	8
PL.68167	PL.68245	C	#4 ACSR	7.30Y	121.7	0.01	3.25	4.01	3	29	7	97	0.00	0.0	2.776	0.052	18	4	3	5
PL.68163	PL.68167	C	#4 ACSR	7.30Y	121.7	0.00	3.25	1.45	1	10	2	98	0.00	0.0	2.841	0.065	10	2	2	2
PL.68247	PL.68168	B	#4 ACSR	7.31Y	121.8	0.00	3.22	4.80	4	34	8	97	0.00	0.0	2.603	0.005	0	0	0	10
PD.10224	PL.68247	B	30T	7.31Y	121.8	0.00	3.22	4.80	0	34	8	97	0.00	0.0	2.603	0.005	0	0	0	10
PL.68248	PD.10224	B	#4 ACSR	7.31Y	121.8	0.00	3.22	4.80	4	34	8	97	0.00	0.0	2.618	0.015	15	4	5	10
PL.68164	PL.68248	B	#4 ACSR	7.31Y	121.8	0.00	3.23	2.63	2	19	4	98	0.00	0.0	2.669	0.052	12	3	3	5
PL.67507	PL.68164	B	#2 ACSR	7.31Y	121.8	0.00	3.23	0.93	1	7	2	96	0.00	0.0	2.698	0.029	7	2	2	2
PL.68216	PL.68112	C	#2 ACSR	7.31Y	121.8	0.00	3.18	2.14	1	15	4	97	0.00	0.0	2.444	0.005	0	0	0	4
PD.10208	PL.68216	C	30T	7.31Y	121.8	0.00	3.18	2.14	0	15	4	97	0.00	0.0	2.444	0.005	0	0	0	4
PL.68217	PD.10208	C	#2 ACSR	7.31Y	121.8	0.00	3.18	2.14	1	15	4	97	0.00	0.0	2.478	0.034	4	1	2	4
PL.68111	PL.68217	C	#2 ACSR	7.31Y	121.8	0.00	3.18	1.52	1	11	3	96	0.00	0.0	2.515	0.037	0	0	1	2
PL.68110	PL.68111	C	#2 ACSR	7.31Y	121.8	0.00	3.18	1.47	1	10	2	98	0.00	0.0	2.592	0.077	10	2	1	1
PL.68108	PL.68110	C	#2 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.624	0.032	0	0	0	0
PL.68109	PL.68108	C	#2 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.671	0.046	0	0	0	0
PL.68106	PL.68109	C	#2 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.716	0.046	0	0	0	0
PL.67505	PL.68106	C	#2 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.744	0.028	0	0	0	0
PL.67882	PL.68106	C	#2 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.763	0.047	0	0	0	0
PL.67506	PL.67882	C	#2 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.814	0.051	0	0	0	0
PL.68241	PL.68140	A	#4 ACSR	7.31Y	121.9	0.01	3.11	6.76	5	48	11	97	0.00	0.0	2.207	0.021	0	0	0	36
PD.10221	PL.68241	A	30T	7.31Y	121.9	0.00	3.11	6.76	0	48	11	97	0.00	0.0	2.207	0.021	0	0	0	36
PL.68242	PD.10221	A	#4 ACSR	7.31Y	121.9	0.00	3.11	6.76	5	48	11	97	0.00	0.0	2.212	0.005	8	2	7	36
PL.68141	PL.68242	A	#4 ACSR	7.31Y	121.9	0.00	3.11	5.64	4	40	10	97	0.00	0.0	2.231	0.019	19	4	14	29
PL.68142	PL.68141	A	#4 ACSR	7.31Y	121.9	0.00	3.11	3.02	2	21	5	97	0.00	0.0	2.261	0.030	6	1	4	15
PL.68143	PL.68142	A	#4 ACSR	7.31Y	121.9	0.00	3.11	2.23	2	16	4	97	0.00	0.0	2.283	0.022	16	4	11	11
PL.68253	PL.67793	A	#2 ACSR	7.32Y	122.0	0.00	2.97	1.07	1	8	2	97	0.00	0.0	2.000	0.005	0	0	0	2

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Source: McKee

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

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

PD.10227	PL.68253	A	30T	7.32Y	122.0	0.00	2.97	1.07	0	8	2	97	0.00	0.0	2.000	0.005	0	0	0	2
PL.68254	PD.10227	A	#2 ACSR	7.32Y	122.0	0.00	2.97	1.07	1	8	2	97	0.00	0.0	2.038	0.037	8	2	2	2
PL.67791	PL.67790	ABC	336 MCM AC	7.35Y	122.6	0.04	2.44	188.37	36	3948	1302	95	0.84	0.0	1.252	0.028	0	0	0	724
PL.67492	PL.67791	ABC	336 MCM AC	7.35Y	122.4	0.11	2.55	170.04	33	3571	1148	95	1.97	0.1	1.333	0.081	24	6	6	702
PL.67878	PL.67492	ABC	336 MCM AC	7.34Y	122.4	0.05	2.60	164.96	32	3466	1099	95	0.93	0.0	1.374	0.041	10	2	3	695
PL.68227	PL.67878	C	#4 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	1.379	0.005	0	0	0	0
PD.10214	PL.68227	C	65T	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	1.379	0.005	0	0	0	0
PL.68228	PD.10214	C	#4 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	1.402	0.024	0	0	0	0
PL.68129	PL.67878	ABC	336 MCM AC	7.34Y	122.4	0.04	2.64	163.69	32	3437	1090	95	0.63	0.0	1.402	0.028	14	3	3	688
PL.68130	PL.68129	ABC	336 MCM AC	7.34Y	122.3	0.03	2.67	163.04	31	3423	1086	95	0.59	0.0	1.428	0.026	0	0	0	685
PL.67879	PL.68130	ABC	336 MCM AC	7.34Y	122.3	0.01	2.68	163.04	31	3422	1084	95	0.10	0.0	1.433	0.005	0	0	0	685
PL.72528	PL.67879	ABC	336 MCM AC	7.34Y	122.3	0.00	2.68	9.61	2	199	71	94	0.00	0.0	1.437	0.004	199	71	61	61
PL.67497	PL.67879	ABC	336 MCM AC	7.34Y	122.3	0.05	2.73	153.44	30	3223	1014	95	0.84	0.0	1.475	0.042	4	1	1	624
PL.68127	PL.67497	ABC	336 MCM AC	7.34Y	122.3	0.01	2.73	153.04	29	3213	1010	95	0.09	0.0	1.480	0.004	1	0	1	622
PL.68128	PL.68127	ABC	336 MCM AC	7.33Y	122.2	0.07	2.80	153.01	29	3213	1009	95	1.10	0.0	1.535	0.056	0	0	0	621
PL.67796	PL.68128	ABC	336 MCM AC	7.33Y	122.2	0.04	2.84	138.42	27	2918	869	96	0.64	0.0	1.575	0.040	0	0	0	613
PL.67515	PL.67796	ABC	#4 ACSR	7.33Y	122.2	0.01	2.85	3.69	3	75	30	93	0.00	0.0	1.617	0.042	0	0	0	4
PL.67516	PL.67515	B	#4 ACSR	7.33Y	122.2	0.00	2.85	2.56	2	18	4	98	0.00	0.0	1.623	0.006	18	4	2	2
PL.68121	PL.67515	ABC	#4 ACSR	7.33Y	122.1	0.00	2.85	2.85	2	57	26	91	0.00	0.0	1.658	0.041	7	2	1	2
PL.68122	PL.68121	ABC	#4 ACSR	7.33Y	122.1	0.00	2.85	2.55	2	50	24	90	0.00	0.0	1.659	0.002	50	24	1	1
PL.67797	PL.67796	ABC	336 MCM AC	7.32Y	122.1	0.10	2.94	134.75	26	2842	837	96	1.45	0.1	1.670	0.095	0	0	1	609
PL.67517	PL.67797	ABC	336 MCM AC	7.32Y	122.0	0.05	2.99	134.75	26	2841	834	96	0.78	0.0	1.721	0.051	11	3	1	608
PL.67523	PL.67517	ABC	#4 ACSR	7.32Y	122.0	0.01	3.00	10.07	8	215	53	97	0.02	0.0	1.752	0.030	33	8	16	46
PL.67524	PL.67523	A	#4 ACSR	7.32Y	122.0	0.00	3.00	13.47	10	96	23	97	0.00	0.0	1.756	0.004	0	0	0	21
PD.10212	PL.67524	A	65T	7.32Y	122.0	0.00	3.00	13.47	0	96	23	97	0.00	0.0	1.756	0.004	0	0	0	21
PL.68123	PD.10212	A	#4 ACSR	7.32Y	122.0	0.01	3.01	13.47	10	96	23	97	0.01	0.0	1.772	0.017	32	8	10	21
PL.68124	PL.68123	A	#4 ACSR	7.32Y	122.0	0.02	3.03	8.96	7	64	15	97	0.01	0.0	1.818	0.046	15	3	8	11
PL.67525	PL.68124	A	#1/0 ACSR	7.32Y	122.0	0.01	3.04	6.90	3	49	12	97	0.00	0.0	1.884	0.066	0	0	0	3
PL.67528	PL.67525	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	2.15	1	15	4	97	0.00	0.0	1.930	0.046	0	0	0	2
PL.67529	PL.67528	A	#4 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	1.949	0.019	0	0	0	0
PL.67876	PL.67528	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	2.15	1	15	4	97	0.00	0.0	1.967	0.037	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67530	PL.67876	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.24	1	9	2	98	0.00	0.0	1.984	0.017	9	2	1	1
PL.67877	PL.67876	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.91	0	6	2	95	0.00	0.0	2.040	0.073	0	0	0	1
PL.67531	PL.67877	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.91	0	6	2	95	0.00	0.0	2.048	0.009	6	2	1	1
PL.67527	PL.67525	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	4.75	2	34	8	97	0.00	0.0	1.911	0.027	34	8	1	1
PL.67846	PL.67523	ABC	#4 ACSR	7.32Y	122.0	0.01	3.01	4.04	3	86	23	97	0.01	0.0	1.839	0.087	50	12	3	9
PL.67526	PL.67846	ABC	#4 ACSR	7.32Y	122.0	0.00	3.01	1.71	1	36	11	96	0.00	0.0	1.843	0.004	0	0	0	6
PL.68120	PL.67526	ABC	#4 ACSR	7.32Y	122.0	0.00	3.01	1.62	1	34	11	95	0.00	0.0	1.874	0.030	24	6	1	2
PL.68119	PL.68120	ABC	#4 ACSR	7.32Y	122.0	0.00	3.01	0.50	0	10	5	89	0.00	0.0	1.899	0.025	10	5	1	1
PL.68223	PL.67526	A	#4 ACSR	7.32Y	122.0	0.00	3.01	0.27	0	2	0	100	0.00	0.0	1.848	0.005	0	0	0	4
PD.10211	PL.68223	A	65T	7.32Y	122.0	0.00	3.01	0.27	0	2	0	100	0.00	0.0	1.848	0.005	0	0	0	4
PL.68224	PD.10211	A	#4 ACSR	7.32Y	122.0	0.00	3.01	0.27	0	2	0	100	0.00	0.0	1.907	0.059	2	0	1	4
PL.68115	PL.68224	A	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.01	0	0	0	100	0.00	0.0	2.017	0.110	0	0	1	3
PL.68116	PL.68115	A	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.01	0	0	0	100	0.00	0.0	2.094	0.077	0	0	1	2
PL.68114	PL.68116	A	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.01	0	0	0	100	0.00	0.0	2.134	0.040	0	0	1	1
PL.68305	PL.67517	ABC	336 MCM AC	7.32Y	122.0	0.03	3.02	124.19	24	2615	776	96	0.40	0.0	1.752	0.030	0	0	0	561
PD.10254-A	PL.68305	ABC	Closed	7.32Y	122.0	0.00	3.02	124.19	0	2614	775	96	0.00	0.0	1.752	0.030	0	0	0	561
PD.10254-B	PD.10254-A	ABC	Closed	7.32Y	122.0	0.00	3.02	124.19	0	2614	775	96	0.00	0.0	1.752	0.030	0	0	0	561
PL.68306	PD.10254-B	ABC	336 MCM AC	7.32Y	122.0	0.02	3.04	124.19	24	2614	775	96	0.31	0.0	1.775	0.024	0	0	0	561
PL.68222	PL.68306	ABC	336 MCM AC	7.32Y	122.0	0.00	3.05	124.19	24	2614	774	96	0.06	0.0	1.780	0.004	0	0	0	561
PL.68220	PL.68222	A	#1/0 ACSR	7.32Y	122.0	0.00	3.05	3.28	1	23	6	97	0.00	0.0	1.784	0.005	0	0	0	2
PD.10210	PL.68220	A	65T	7.32Y	122.0	0.00	3.05	3.28	0	23	6	97	0.00	0.0	1.784	0.005	0	0	0	2
PL.68221	PD.10210	A	#1/0 ACSR	7.32Y	122.0	0.00	3.05	3.28	1	23	6	97	0.00	0.0	1.807	0.022	23	6	2	2
PL.68117	PL.68222	ABC	336 MCM AC	7.31Y	121.9	0.07	3.11	123.10	24	2591	769	96	0.90	0.0	1.851	0.071	9	2	1	559
PL.68118	PL.68117	ABC	336 MCM AC	7.31Y	121.8	0.08	3.19	122.70	24	2581	765	96	1.07	0.0	1.935	0.085	0	0	0	558
PL.68218	PL.68118	C	#4 ACSR	7.31Y	121.8	0.00	3.19	1.53	1	11	3	96	0.00	0.0	1.940	0.005	0	0	0	3
PD.10209	PL.68218	C	65T	7.31Y	121.8	0.00	3.19	1.53	0	11	3	96	0.00	0.0	1.940	0.005	0	0	0	3
PL.68219	PD.10209	C	#4 ACSR	7.31Y	121.8	0.00	3.19	1.53	1	11	3	96	0.00	0.0	1.952	0.012	11	3	3	3
PL.67798	PL.68118	ABC	336 MCM AC	7.30Y	121.7	0.10	3.29	122.19	24	2569	760	96	1.36	0.1	2.043	0.108	0	0	0	555
PL.68210	PL.67798	C	#4 ACSR	7.30Y	121.7	0.00	3.29	1.81	1	13	3	97	0.00	0.0	2.048	0.005	0	0	0	5
PD.10205	PL.68210	C	65T	7.30Y	121.7	0.00	3.29	1.81	0	13	3	97	0.00	0.0	2.048	0.005	0	0	0	5
PL.68211	PD.10205	C	#4 ACSR	7.30Y	121.7	0.00	3.30	1.81	1	13	3	97	0.00	0.0	2.117	0.069	5	1	4	5

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68090	PL.68211	C	#4 ACSR	7.30Y	121.7	0.00	3.30	1.08	1	8	2	97	0.00	0.0	2.146	0.029	0	0	0	1
PL.67532	PL.68090	C	6 A (CWC)	7.30Y	121.7	0.00	3.30	1.08	1	8	2	97	0.00	0.0	2.195	0.049	8	2	1	1
PL.67799	PL.67798	ABC	336 MCM AC	7.30Y	121.6	0.07	3.36	121.59	23	2555	753	96	0.97	0.0	2.121	0.078	0	0	0	550
PL.67854	PL.67799	ABC	336 MCM AC	7.29Y	121.5	0.14	3.50	121.59	23	2554	751	96	1.85	0.1	2.270	0.148	0	0	0	550
PL.68099	PL.67854	ABC	336 MCM AC	7.29Y	121.4	0.08	3.58	121.59	23	2552	747	96	1.10	0.0	2.358	0.089	2	0	1	550
PL.68100	PL.68099	ABC	336 MCM AC	7.27Y	121.2	0.17	3.75	121.50	23	2549	744	96	2.34	0.1	2.546	0.188	0	0	0	549
PL.67800	PL.68100	ABC	336 MCM AC	7.27Y	121.2	0.04	3.79	121.29	23	2542	737	96	0.53	0.0	2.589	0.043	0	0	0	548
PL.68257	PL.67800	A	#4 ACSR	7.27Y	121.2	0.00	3.79	0.10	0	1	0	100	0.00	0.0	2.594	0.005	0	0	0	2
PD.10229	PL.68257	A	65T	7.27Y	121.2	0.00	3.79	0.10	0	1	0	100	0.00	0.0	2.594	0.005	0	0	0	2
PL.68258	PD.10229	A	#4 ACSR	7.27Y	121.2	0.00	3.79	0.10	0	1	0	100	0.00	0.0	2.638	0.044	1	0	2	2
PL.72931	PL.67800	ABC	336 MCM AC	7.27Y	121.2	0.06	3.85	121.26	23	2541	736	96	0.78	0.0	2.652	0.063	0	0	0	546
PL.72933	PL.72931	A	#1/0 ACSR	7.27Y	121.2	0.00	3.85	0.22	0	2	0	100	0.00	0.0	2.656	0.005	0	0	0	1
PD.10801	PL.72933	A	20	7.27Y	121.2	0.00	3.85	0.22	1	2	0	100	0.00	0.0	2.656	0.005	0	0	0	1
PL.72934	PD.10801	A	#1/0 ACSR	7.27Y	121.2	0.00	3.85	0.22	0	2	0	100	0.00	0.0	2.725	0.069	0	0	0	1
PL.72935	PL.72934	A	#1/0 ACSR	7.27Y	121.2	0.00	3.85	0.22	0	2	0	100	0.00	0.0	2.760	0.035	2	0	1	1
PL.72932	PL.72931	ABC	336 MCM AC	7.27Y	121.1	0.02	3.87	121.19	23	2539	734	96	0.27	0.0	2.673	0.022	0	0	0	545
PL.68212	PL.72932	A	#4 ACSR	7.27Y	121.1	0.00	3.87	4.00	3	28	7	97	0.00	0.0	2.678	0.005	0	0	0	7
PD.10206	PL.68212	A	65T	7.27Y	121.1	0.00	3.87	4.00	0	28	7	97	0.00	0.0	2.678	0.005	0	0	0	7
PL.68213	PD.10206	A	#4 ACSR	7.27Y	121.1	0.00	3.87	4.00	3	28	7	97	0.00	0.0	2.698	0.020	10	2	1	7
PL.68094	PL.68213	A	#4 ACSR	7.27Y	121.1	0.00	3.88	2.61	2	18	4	98	0.00	0.0	2.744	0.045	7	2	3	6
PL.67533	PL.68094	A	#4 ACSR	7.27Y	121.1	0.00	3.88	1.56	1	11	3	96	0.00	0.0	2.784	0.040	11	3	2	3
PL.67534	PL.67533	A	#4 ACSR	7.27Y	121.1	0.00	3.88	0.06	0	0	0	100	0.00	0.0	2.823	0.039	0	0	1	1
PL.68325	PL.72932	ABC	336 MCM AC	7.27Y	121.1	0.03	3.90	119.85	23	2510	726	96	0.45	0.0	2.711	0.038	0	0	0	538
PL.68326	PL.68325	ABC	336 MCM AC	7.26Y	121.0	0.05	3.96	119.85	23	2510	725	96	0.70	0.0	2.769	0.058	0	0	0	538
PL.67535	PL.68326	ABC	336 MCM AC	7.26Y	120.9	0.11	4.06	119.85	23	2509	724	96	1.42	0.1	2.886	0.117	0	0	0	538
PL.67802	PL.67535	ABC	336 MCM AC	7.25Y	120.9	0.06	4.12	104.99	20	2193	644	96	0.68	0.0	2.960	0.074	0	0	0	445
RG.64	PL.67802	ABC	114.3 KVA	7.49Y	124.8	-3.90	0.22	104.99	70	2192	642	96	percent Boost= 3.12 Tap= 5.0				0	0	0	445
PL.67805	RG.64	ABC	336 MCM AC	7.49Y	124.8	0.00	0.22	101.71	20	2192	642	96	0.01	0.0	2.961	0.001	0	0	0	445
PL.67558	PL.67805	ABC	336 MCM AC	7.48Y	124.7	0.04	0.27	101.28	20	2183	640	96	0.51	0.0	3.020	0.059	0	0	0	443
PL.67942	PL.67558	B	6 A (CWC)	7.48Y	124.7	0.00	0.27	19.01	14	138	33	97	0.00	0.0	3.025	0.005	0	0	0	30
PD.10180	PL.67942	B	65T	7.48Y	124.7	0.00	0.27	19.01	0	138	33	97	0.00	0.0	3.025	0.005	0	0	0	30

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: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.67943	PD.10180	B	6 A (CWC)	7.48Y	124.7	0.03	0.30	19.01	14	138	33	97	0.03	0.0	3.054	0.030	5	1	1	30
PL.67731	PL.67943	B	6 A (CWC)	7.48Y	124.7	0.03	0.33	18.33	13	133	32	97	0.03	0.0	3.097	0.042	5	1	1	29
PL.67806	PL.67731	B	6 A (CWC)	7.48Y	124.7	0.02	0.35	14.55	10	106	25	97	0.02	0.0	3.126	0.030	0	0	0	25
PL.67734	PL.67806	B	6 A (CWC)	7.48Y	124.6	0.02	0.37	13.56	10	99	23	97	0.01	0.0	3.155	0.029	0	0	0	24
PL.67735	PL.67734	B	6 A (CWC)	7.48Y	124.6	0.04	0.40	13.56	10	99	23	97	0.03	0.0	3.215	0.060	0	0	0	24
PL.68173	PL.67735	B	6 A (CWC)	7.48Y	124.6	0.00	0.41	3.33	2	24	6	97	0.00	0.0	3.242	0.027	13	3	3	6
PL.68174	PL.68173	B	6 A (CWC)	7.48Y	124.6	0.00	0.41	1.56	1	11	3	96	0.00	0.0	3.290	0.048	11	3	3	3
PL.67566	PL.67735	B	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.79	1	6	1	99	0.00	0.0	3.350	0.135	6	1	1	1
PL.67567	PL.67735	B	6 A (CWC)	7.47Y	124.6	0.02	0.42	9.43	7	69	16	97	0.01	0.0	3.254	0.039	0	0	1	17
PL.67568	PL.67567	B	6 A (CWC)	7.47Y	124.6	0.02	0.44	9.37	7	68	16	97	0.01	0.0	3.292	0.039	7	2	2	16
PL.67888	PL.67568	B	6 A (CWC)	7.47Y	124.5	0.02	0.45	5.82	4	42	10	97	0.01	0.0	3.365	0.073	9	2	2	10
PL.67570	PL.67888	B	6 A (CWC)	7.47Y	124.5	0.00	0.45	0.92	1	7	2	96	0.00	0.0	3.430	0.065	7	2	1	1
PL.67571	PL.67570	B	#2 ACSR	7.47Y	124.5	0.00	0.45	0.00	0	0	0	100	0.00	0.0	3.448	0.018	0	0	0	0
PL.67889	PL.67888	B	6 A (CWC)	7.47Y	124.5	0.01	0.47	3.66	3	27	6	98	0.00	0.0	3.448	0.082	6	1	1	7
PL.68095	PL.67889	B	#4 ACSR	7.47Y	124.5	0.00	0.47	1.07	1	8	2	97	0.00	0.0	3.472	0.024	8	2	3	3
PL.68096	PL.68095	B	#4 ACSR	7.47Y	124.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	3.498	0.026	0	0	0	0
PL.68097	PL.67889	B	6 A (CWC)	7.47Y	124.5	0.00	0.47	1.78	1	13	3	97	0.00	0.0	3.478	0.030	4	1	1	3
PL.68098	PL.68097	B	6 A (CWC)	7.47Y	124.5	0.00	0.47	1.24	1	9	2	98	0.00	0.0	3.521	0.043	0	0	0	2
PL.67573	PL.68098	B	6 A (CWC)	7.47Y	124.5	0.00	0.47	0.05	0	0	0	100	0.00	0.0	3.581	0.060	0	0	1	1
PL.67574	PL.67573	B	6 A (CWC)	7.47Y	124.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	3.632	0.051	0	0	0	0
PL.67572	PL.68098	B	6 A (CWC)	7.47Y	124.5	0.00	0.47	1.19	1	9	2	98	0.00	0.0	3.567	0.046	9	2	1	1
PL.67569	PL.67568	B	#4 ACSR	7.47Y	124.6	0.00	0.44	2.62	2	19	5	97	0.00	0.0	3.321	0.029	19	5	4	4
PL.67559	PL.67806	B	#1/0 ACSR	7.48Y	124.7	0.00	0.35	0.99	0	7	2	96	0.00	0.0	3.153	0.026	7	2	1	1
PL.67732	PL.67731	B	#1/0 ACSR	7.48Y	124.7	0.00	0.33	2.31	1	17	4	97	0.00	0.0	3.119	0.023	4	1	1	2
PL.67733	PL.67732	B	#1/0 ACSR	7.48Y	124.7	0.00	0.33	1.74	1	13	3	97	0.00	0.0	3.148	0.029	13	3	1	1
PL.67560	PL.67731	B	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.79	0	6	1	99	0.00	0.0	3.121	0.025	6	1	1	1
PL.68265	PL.67558	A	#4 ACSR	7.48Y	124.7	0.00	0.27	0.78	1	6	1	99	0.00	0.0	3.025	0.005	0	0	0	2
PD.10232	PL.68265	A	65T	7.48Y	124.7	0.00	0.27	0.78	0	6	1	99	0.00	0.0	3.025	0.005	0	0	0	2
PL.68266	PD.10232	A	#4 ACSR	7.48Y	124.7	0.00	0.27	0.78	1	6	1	99	0.00	0.0	3.092	0.067	0	0	1	2
PL.67730	PL.68266	A	#4 ACSR	7.48Y	124.7	0.00	0.27	0.78	1	6	1	99	0.00	0.0	3.121	0.029	6	1	1	1
PL.68263	PL.67558	ABC	336 MCM AC	7.48Y	124.7	0.00	0.27	94.69	18	2038	605	96	0.03	0.0	3.024	0.004	0	0	0	411

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.68264	PL.68263	ABC	336 MCM AC	7.48Y	124.7	0.05	0.32	94.69	18	2038	605	96	0.52	0.0	3.093	0.069	0	0	0	411
PL.67940	PL.68264	C	#4 ACSR	7.48Y	124.7	0.00	0.32	0.55	0	4	1	97	0.00	0.0	3.098	0.005	0	0	0	1
PD.10179	PL.67940	C	65T	7.48Y	124.7	0.00	0.32	0.55	0	4	1	97	0.00	0.0	3.098	0.005	0	0	0	1
PL.67941	PD.10179	C	#4 ACSR	7.48Y	124.7	0.00	0.32	0.55	0	4	1	97	0.00	0.0	3.154	0.056	4	1	1	1
PL.67807	PL.68264	ABC	336 MCM AC	7.48Y	124.7	0.02	0.34	94.51	18	2034	602	96	0.20	0.0	3.120	0.027	7	2	2	410
PL.67561	PL.67807	ABC	336 MCM AC	7.48Y	124.6	0.03	0.37	94.18	18	2026	600	96	0.28	0.0	3.158	0.037	6	1	1	408
PL.68269	PL.67561	A	#4 ACSR	7.48Y	124.6	0.00	0.37	10.38	8	76	18	97	0.00	0.0	3.162	0.005	0	0	0	24
PD.10234	PL.68269	A	65T	7.48Y	124.6	0.00	0.37	10.38	0	76	18	97	0.00	0.0	3.162	0.005	0	0	0	24
PL.68270	PD.10234	A	#4 ACSR	7.47Y	124.6	0.05	0.42	10.38	8	76	18	97	0.03	0.0	3.274	0.112	0	0	1	24
PL.67578	PL.68270	A	#4 ACSR	7.47Y	124.6	0.00	0.42	2.38	2	17	4	97	0.00	0.0	3.336	0.061	17	4	5	5
PL.67579	PL.68270	A	#4 ACSR	7.47Y	124.6	0.01	0.43	8.00	6	58	14	97	0.01	0.0	3.316	0.042	0	0	0	18
PL.67581	PL.67579	A	#4 ACSR	7.47Y	124.5	0.02	0.46	6.57	5	48	11	97	0.01	0.0	3.392	0.076	0	0	0	13
PL.67580	PL.67581	A	#1/0 ACSR	7.47Y	124.5	0.00	0.46	0.11	0	1	0	100	0.00	0.0	3.459	0.066	1	0	1	1
PL.68043	PL.67581	A	#4 ACSR	7.47Y	124.5	0.01	0.46	6.46	5	47	11	97	0.00	0.0	3.424	0.031	6	1	1	12
PL.68044	PL.68043	A	#4 ACSR	7.47Y	124.5	0.02	0.48	5.64	4	41	10	97	0.01	0.0	3.499	0.075	0	0	0	11
PL.68039	PL.68044	A	#4 ACSR	7.47Y	124.5	0.01	0.49	5.64	4	41	10	97	0.00	0.0	3.530	0.032	9	2	2	11
PL.68040	PL.68039	A	#4 ACSR	7.47Y	124.5	0.02	0.51	4.35	3	32	8	97	0.00	0.0	3.632	0.102	0	0	0	9
PL.67583	PL.68040	A	#4 ACSR	7.47Y	124.5	0.00	0.51	1.50	1	11	3	96	0.00	0.0	3.659	0.027	11	3	1	1
PL.67585	PL.68040	A	#1/0 ACSR	7.47Y	124.5	0.00	0.51	2.86	1	21	5	97	0.00	0.0	3.656	0.023	4	1	1	8
PL.67809	PL.67585	A	#1/0 ACSR	7.47Y	124.5	0.00	0.51	0.00	0	0	0	100	0.00	0.0	3.675	0.019	0	0	0	0
PL.67586	PL.67585	A	#1/0 ACSR	7.47Y	124.5	0.00	0.51	2.30	1	17	4	97	0.00	0.0	3.704	0.048	0	0	0	7
PL.67584	PL.67586	A	#1/0 ACSR	7.47Y	124.5	0.00	0.51	1.22	1	9	2	98	0.00	0.0	3.726	0.022	4	1	1	4
PL.67810	PL.67584	A	#1/0 ACSR	7.47Y	124.5	0.00	0.51	0.68	0	5	1	98	0.00	0.0	3.788	0.062	0	0	1	3
PL.67582	PL.67810	A	#1/0 ACSR	7.47Y	124.5	0.00	0.51	0.68	0	5	1	98	0.00	0.0	3.831	0.043	5	1	2	2
PL.68041	PL.67586	A	#1/0 ACSR	7.47Y	124.5	0.00	0.51	1.09	0	8	2	97	0.00	0.0	3.734	0.030	4	1	1	3
PL.68042	PL.68041	A	#1/0 ACSR	7.47Y	124.5	0.00	0.51	0.47	0	3	1	95	0.00	0.0	3.883	0.149	3	1	2	2
PL.67808	PL.67579	A	#4 ACSR	7.47Y	124.6	0.01	0.44	1.43	1	10	2	98	0.00	0.0	3.419	0.103	3	1	2	5
PL.67575	PL.67808	A	#4 ACSR	7.47Y	124.6	0.00	0.44	0.83	1	6	1	99	0.00	0.0	3.446	0.027	6	1	2	2
PL.67576	PL.67808	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	0.14	0	1	0	100	0.00	0.0	3.468	0.049	1	0	1	1
PL.67562	PL.67561	ABC	336 MCM AC	7.47Y	124.6	0.06	0.43	89.77	17	1930	577	96	0.64	0.0	3.252	0.094	0	0	0	381
PL.67938	PL.67562	A	#4 ACSR	7.47Y	124.6	0.00	0.43	3.70	3	27	6	98	0.00	0.0	3.257	0.005	0	0	0	4

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10178	PL.67938	A	65T	7.47Y	124.6	0.00	0.43	3.70	0	27	6	98	0.00	0.0	3.257	0.005	0	0	0	4
PL.67939	PD.10178	A	#4 ACSR	7.47Y	124.6	0.00	0.43	3.70	3	27	6	98	0.00	0.0	3.310	0.053	27	6	4	4
PL.67811	PL.67562	ABC	336 MCM AC	7.47Y	124.5	0.03	0.46	88.54	17	1902	569	96	0.32	0.0	3.300	0.048	0	0	0	377
PL.68011	PL.67811	ABC	336 MCM AC	7.47Y	124.5	0.05	0.51	88.54	17	1902	568	96	0.45	0.0	3.368	0.068	8	2	2	377
PL.68012	PL.68011	ABC	336 MCM AC	7.47Y	124.5	0.02	0.53	88.19	17	1894	565	96	0.21	0.0	3.399	0.031	0	0	0	375
PL.68303	PL.68012	ABC	336 MCM AC	7.47Y	124.4	0.03	0.56	86.49	17	1856	556	96	0.28	0.0	3.444	0.044	0	0	0	368
PD.10253-A	PL.68303	ABC	Closed	7.47Y	124.4	0.00	0.56	86.49	0	1856	555	96	0.00	0.0	3.444	0.044	0	0	0	368
PD.10253-B	PD.10253-A	ABC	Closed	7.47Y	124.4	0.00	0.56	86.49	0	1856	555	96	0.00	0.0	3.444	0.044	0	0	0	368
PL.68304	PD.10253-B	ABC	336 MCM AC	7.47Y	124.4	0.02	0.58	86.49	17	1856	555	96	0.18	0.0	3.473	0.029	0	0	0	368
PL.68007	PL.68304	ABC	336 MCM AC	7.46Y	124.4	0.02	0.60	86.12	17	1848	553	96	0.23	0.0	3.509	0.037	0	0	1	366
PL.68008	PL.68007	ABC	336 MCM AC	7.46Y	124.4	0.01	0.62	86.12	17	1848	552	96	0.14	0.0	3.531	0.022	0	0	0	365
PL.67812	PL.68008	ABC	336 MCM AC	7.46Y	124.4	0.03	0.65	84.26	16	1809	535	96	0.32	0.0	3.584	0.053	0	0	0	362
PL.67590	PL.67812	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.65	1.07	0	21	10	90	0.00	0.0	3.638	0.054	21	10	1	1
PL.67813	PL.67812	ABC	336 MCM AC	7.46Y	124.3	0.02	0.67	83.21	16	1787	524	96	0.18	0.0	3.615	0.030	0	0	0	361
PL.67814	PL.67813	ABC	336 MCM AC	7.46Y	124.3	0.03	0.70	82.58	16	1773	521	96	0.31	0.0	3.669	0.054	0	0	0	359
PL.67886	PL.67814	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.72	34.63	15	728	264	94	0.08	0.0	3.694	0.025	0	0	0	98
PL.67887	PL.67886	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.74	23.97	10	512	160	95	0.07	0.0	3.741	0.047	2	0	1	95
PL.67595	PL.67887	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.04	0	1	0	100	0.00	0.0	3.769	0.028	1	0	1	1
PL.67835	PL.67887	ABC	#1/0 ACSR	7.45Y	124.2	0.03	0.77	23.84	10	509	159	95	0.11	0.0	3.814	0.073	0	0	0	93
PL.67931	PL.67835	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.79	23.84	10	509	159	95	0.08	0.0	3.865	0.051	7	2	1	93
PL.67932	PL.67931	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.81	23.52	10	502	157	95	0.06	0.0	3.904	0.039	0	0	0	92
PL.67596	PL.67932	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.81	23.52	10	502	157	95	0.01	0.0	3.911	0.007	13	3	1	92
PL.67933	PL.67596	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.82	8.36	4	170	78	91	0.00	0.0	3.922	0.010	6	1	2	6
PL.67934	PL.67933	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.82	8.10	4	164	77	91	0.01	0.0	3.963	0.042	0	0	0	4
PL.67885	PL.67934	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.83	7.69	3	155	75	90	0.01	0.0	4.023	0.060	0	0	0	2
PL.67597	PL.67885	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	4.026	0.003	0	0	1	1
PL.68291	PL.67885	ABC	1/0 AL URD	7.45Y	124.2	0.00	0.83	7.69	5	155	75	90	0.00	0.0	4.028	0.005	0	0	0	1
PD.10246	PL.68291	ABC	65T	7.45Y	124.2	0.00	0.83	7.69	0	155	75	90	0.00	0.0	4.028	0.005	0	0	0	1
PL.68292	PD.10246	ABC	1/0 AL URD	7.45Y	124.2	0.00	0.83	7.69	5	155	75	90	0.00	0.0	4.059	0.031	155	75	1	1
PL.68196	PL.67934	A	#4 ACSR	7.45Y	124.2	0.00	0.82	1.25	1	9	2	98	0.00	0.0	3.968	0.005	0	0	0	2
PD.10172	PL.68196	A	65T	7.45Y	124.2	0.00	0.82	1.25	0	9	2	98	0.00	0.0	3.968	0.005	0	0	0	2

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68197	PD.10172	A	#4 ACSR	7.45Y	124.2	0.00	0.82	1.25	1	9	2	98	0.00	0.0	4.014	0.046	9	2	2	2
PL.67836	PL.67596	ABC	#1/0 ACSR	7.45Y	124.2	0.03	0.84	14.66	6	319	76	97	0.06	0.0	4.025	0.113	0	0	2	85
PL.68271	PL.67836	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	0.92	0	7	2	96	0.00	0.0	4.029	0.005	0	0	0	1
PD.10235	PL.68271	A	65T	7.45Y	124.2	0.00	0.84	0.92	0	7	2	96	0.00	0.0	4.029	0.005	0	0	0	1
PL.68272	PD.10235	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	0.92	0	7	2	96	0.00	0.0	4.063	0.034	7	2	1	1
PL.67598	PL.67836	C	#1/0 ACSR	7.45Y	124.1	0.01	0.85	25.84	11	187	45	97	0.01	0.0	4.039	0.015	0	0	0	52
PL.68311	PL.67598	C	6 A (CWC)	7.45Y	124.1	0.00	0.85	25.84	18	187	45	97	0.00	0.0	4.042	0.003	0	0	0	52
PD.10257	PL.68311	C	50L	7.45Y	124.1	0.00	0.85	25.84	52	187	45	97	0.00	0.0	4.042	0.003	0	0	0	52
PL.68312	PD.10257	C	6 A (CWC)	7.44Y	124.0	0.10	0.95	25.84	18	187	45	97	0.13	0.1	4.125	0.083	0	0	0	52
PL.67599	PL.68312	C	#1/0 ACSR	7.44Y	124.0	0.00	0.95	0.74	0	5	1	98	0.00	0.0	4.161	0.036	5	1	1	1
PL.67928	PL.68312	C	6 A (CWC)	7.44Y	123.9	0.10	1.06	25.10	18	182	43	97	0.14	0.1	4.219	0.094	7	2	1	51
PL.67929	PL.67928	C	6 A (CWC)	7.43Y	123.8	0.12	1.17	24.11	17	174	41	97	0.15	0.1	4.329	0.110	10	2	3	50
PL.67602	PL.67929	C	#4 ACSR	7.43Y	123.8	0.00	1.17	1.14	1	8	2	97	0.00	0.0	4.371	0.042	8	2	1	1
PL.67601	PL.67929	C	6 A (CWC)	7.42Y	123.7	0.15	1.33	21.65	15	156	37	97	0.18	0.1	4.488	0.159	5	1	1	46
PL.67859	PL.67601	C	#4 ACSR	7.42Y	123.7	0.01	1.33	1.49	1	11	3	96	0.00	0.0	4.609	0.121	0	0	0	4
PL.67925	PL.67859	C	#4 ACSR	7.42Y	123.7	0.01	1.34	1.49	1	11	3	96	0.00	0.0	4.712	0.104	4	1	2	4
PL.67924	PL.67925	C	#4 ACSR	7.42Y	123.7	0.00	1.34	0.87	1	6	1	99	0.00	0.0	4.768	0.055	6	1	2	2
PL.67922	PL.67601	C	6 A (CWC)	7.42Y	123.6	0.04	1.37	10.26	7	74	18	97	0.02	0.0	4.580	0.093	7	2	2	19
PL.67923	PL.67922	C	6 A (CWC)	7.42Y	123.6	0.05	1.41	9.35	7	67	16	97	0.02	0.0	4.693	0.113	0	0	1	17
PL.67605	PL.67923	C	#4 ACSR	7.42Y	123.6	0.00	1.41	0.82	1	6	1	99	0.00	0.0	4.721	0.028	6	1	2	2
PL.67839	PL.67923	C	6 A (CWC)	7.41Y	123.6	0.03	1.44	8.47	6	61	15	97	0.01	0.0	4.768	0.075	15	4	2	14
PL.67920	PL.67839	C	6 A (CWC)	7.41Y	123.5	0.02	1.46	6.36	5	46	11	97	0.01	0.0	4.858	0.090	8	2	3	12
PL.67921	PL.67920	C	6 A (CWC)	7.41Y	123.5	0.02	1.48	5.21	4	38	9	97	0.01	0.0	4.944	0.086	0	0	0	9
PL.67606	PL.67921	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.94	0	7	2	96	0.00	0.0	5.062	0.119	7	2	2	2
PL.67840	PL.67921	C	6 A (CWC)	7.41Y	123.5	0.01	1.49	4.28	3	31	7	98	0.00	0.0	5.011	0.067	5	1	1	7
PL.67607	PL.67840	C	6 A (CWC)	7.41Y	123.5	0.01	1.51	3.52	3	25	6	97	0.00	0.0	5.094	0.084	3	1	1	6
PL.67841	PL.67607	C	6 A (CWC)	7.41Y	123.5	0.01	1.51	2.16	2	16	4	97	0.00	0.0	5.160	0.066	0	0	0	4
PL.67611	PL.67841	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	5.172	0.011	0	0	0	0
PL.67612	PL.67841	C	6 A (CWC)	7.41Y	123.5	0.01	1.53	2.16	2	16	4	97	0.00	0.0	5.299	0.139	0	0	1	4
PL.67842	PL.67612	C	6 A (CWC)	7.41Y	123.5	0.01	1.54	1.16	1	8	2	97	0.00	0.0	5.484	0.185	0	0	0	2
PL.67864	PL.67842	C	6 A (CWC)	7.41Y	123.5	0.01	1.54	1.16	1	8	2	97	0.00	0.0	5.630	0.146	0	0	0	2

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.67865	PL.67864	C	6 A (CWC)	7.41Y	123.4	0.01	1.55	1.16	1	8	2	97	0.00	0.0	5.790	0.160	2	0	1	2
PL.67613	PL.67865	C	#1/0 ACSR	7.41Y	123.4	0.00	1.55	0.88	0	6	1	99	0.00	0.0	5.861	0.071	6	1	1	1
PL.67614	PL.67612	C	#1/0 ACSR	7.41Y	123.5	0.00	1.53	0.97	0	7	2	96	0.00	0.0	5.463	0.164	7	2	1	1
PL.67608	PL.67607	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.90	1	7	2	96	0.00	0.0	5.175	0.081	7	2	1	1
PL.67603	PL.67601	C	#4 ACSR	7.42Y	123.7	0.02	1.35	9.15	7	66	16	97	0.01	0.0	4.553	0.065	9	2	6	22
PL.67604	PL.67603	C	#1/0 ACSR	7.42Y	123.6	0.03	1.38	7.83	3	57	13	97	0.01	0.0	4.705	0.152	0	0	0	16
PL.67615	PL.67604	C	#1/0 ACSR	7.42Y	123.6	0.03	1.41	7.83	3	57	13	97	0.01	0.0	4.869	0.164	0	0	0	16
PL.67617	PL.67615	C	#1/0 ACSR	7.41Y	123.6	0.01	1.42	6.71	3	48	11	97	0.00	0.0	4.962	0.094	0	0	0	15
PL.67618	PL.67617	C	#1/0 ACSR	7.41Y	123.6	0.00	1.42	0.87	0	6	1	99	0.00	0.0	5.033	0.071	6	1	1	1
PL.67837	PL.67617	C	#1/0 ACSR	7.41Y	123.6	0.01	1.43	5.84	3	42	10	97	0.00	0.0	5.036	0.073	0	0	0	14
PL.67860	PL.67837	C	#4 ACSR 6/	7.41Y	123.6	0.00	1.43	1.17	1	8	2	97	0.00	0.0	5.114	0.079	0	0	0	1
PL.67619	PL.67860	C	#4 ACSR 6/	7.41Y	123.6	0.00	1.44	1.17	1	8	2	97	0.00	0.0	5.163	0.049	0	0	0	1
PL.68192	PL.67619	C	1/0 AL URD	7.41Y	123.6	0.00	1.44	1.17	1	8	2	97	0.00	0.0	5.168	0.005	0	0	0	1
PD.10170	PL.68192	C	20T	7.41Y	123.6	0.00	1.44	1.17	0	8	2	97	0.00	0.0	5.168	0.005	0	0	0	1
PL.68193	PD.10170	C	1/0 AL URD	7.41Y	123.6	0.00	1.44	1.17	1	8	2	97	0.00	0.0	5.193	0.025	8	2	1	1
PL.67621	PL.67837	C	#4 ACSR	7.41Y	123.6	0.01	1.43	4.66	4	34	8	97	0.00	0.0	5.062	0.026	0	0	0	13
PL.67620	PL.67621	C	#4 ACSR	7.41Y	123.6	0.01	1.45	4.28	3	31	7	98	0.00	0.0	5.124	0.062	4	1	1	12
PL.68188	PL.67620	C	#4 ACSR	7.41Y	123.6	0.00	1.45	3.77	3	27	6	98	0.00	0.0	5.129	0.005	0	0	0	11
PD.10168	PL.68188	C	20T	7.41Y	123.6	0.00	1.45	3.77	0	27	6	98	0.00	0.0	5.129	0.005	0	0	0	11
PL.68189	PD.10168	C	#4 ACSR	7.41Y	123.5	0.01	1.45	3.77	3	27	6	98	0.00	0.0	5.176	0.047	5	1	1	11
PL.67622	PL.68189	C	#4 ACSR	7.41Y	123.5	0.01	1.47	3.08	2	22	5	98	0.00	0.0	5.286	0.110	0	0	0	10
PL.67901	PL.67622	C	#4 ACSR	7.41Y	123.5	0.00	1.47	2.78	2	20	5	97	0.00	0.0	5.332	0.046	15	4	4	5
PL.67902	PL.67901	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.70	1	5	1	98	0.00	0.0	5.465	0.133	0	0	0	1
PL.67900	PL.67902	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.70	1	5	1	98	0.00	0.0	5.602	0.138	0	0	0	1
PL.67905	PL.67900	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.70	1	5	1	98	0.00	0.0	5.685	0.082	0	0	0	1
PL.67906	PL.67905	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.70	1	5	1	98	0.00	0.0	5.736	0.051	5	1	1	1
PL.67903	PL.67622	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.30	0	2	1	89	0.00	0.0	5.309	0.022	1	0	4	5
PL.67904	PL.67903	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.16	0	1	0	100	0.00	0.0	5.376	0.068	1	0	1	1
PL.67838	PL.67621	C	#4 ACSR	7.41Y	123.6	0.00	1.44	0.39	0	3	1	95	0.00	0.0	5.119	0.057	3	1	1	1
PL.67616	PL.67615	C	#1/0 ACSR	7.42Y	123.6	0.00	1.41	1.12	0	8	2	97	0.00	0.0	4.934	0.065	8	2	1	1
PL.67883	PL.67836	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.85	5.72	2	124	30	97	0.00	0.0	4.080	0.055	7	2	1	30

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68195	PL.67883	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	0.73	0	5	1	98	0.00	0.0	4.084	0.004	0	0	0	1
PD.10171	PL.68195	A	65T	7.45Y	124.2	0.00	0.85	0.73	0	5	1	98	0.00	0.0	4.084	0.004	0	0	0	1
PL.68194	PD.10171	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	0.73	0	5	1	98	0.00	0.0	4.088	0.004	5	1	1	1
PL.67600	PL.68194	A	#4 ACSR	7.45Y	124.2	0.00	0.85	0.00	0	0	0	100	0.00	0.0	4.182	0.093	0	0	0	0
PL.67884	PL.67883	ABC	#1/0 ACSR	7.45Y	124.1	0.00	0.85	5.16	2	112	27	97	0.00	0.0	4.134	0.053	0	0	0	28
PL.67930	PL.67884	C	6 A (CWC)	7.45Y	124.1	0.03	0.88	15.48	11	112	27	97	0.02	0.0	4.178	0.044	3	1	1	28
PL.68309	PL.67930	C	6 A (CWC)	7.45Y	124.1	0.00	0.89	15.01	11	109	26	97	0.00	0.0	4.180	0.003	0	0	0	27
PD.10256	PL.68309	C	50L	7.45Y	124.1	0.00	0.89	15.01	30	109	26	97	0.00	0.0	4.180	0.003	0	0	0	27
PL.68310	PD.10256	C	6 A (CWC)	7.44Y	124.1	0.04	0.92	15.01	11	109	26	97	0.03	0.0	4.238	0.058	0	0	0	27
PL.67623	PL.68310	C	#4 ACSR	7.44Y	124.1	0.00	0.92	0.02	0	0	0	100	0.00	0.0	4.400	0.161	0	0	1	1
PL.67926	PL.68310	C	6 A (CWC)	7.44Y	124.0	0.10	1.03	14.99	11	109	26	97	0.08	0.1	4.395	0.157	3	1	1	26
PL.67927	PL.67926	C	6 A (CWC)	7.43Y	123.9	0.09	1.12	14.55	10	105	25	97	0.07	0.1	4.526	0.131	0	0	0	25
PL.67626	PL.67927	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	1.42	1	10	2	98	0.00	0.0	4.574	0.049	2	0	1	3
PL.67627	PL.67626	C	#4 ACSR	7.43Y	123.9	0.00	1.12	1.18	1	9	2	98	0.00	0.0	4.612	0.038	0	0	0	2
PL.67866	PL.67627	C	#4 ACSR	7.43Y	123.9	0.01	1.13	0.80	1	6	1	99	0.00	0.0	4.765	0.152	0	0	0	1
PL.67624	PL.67866	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.80	1	6	1	99	0.00	0.0	4.882	0.117	6	1	1	1
PL.67625	PL.67627	C	#4 ACSR	7.43Y	123.9	0.00	1.12	0.38	0	3	1	95	0.00	0.0	4.735	0.122	3	1	1	1
PL.67843	PL.67927	C	6 A (CWC)	7.43Y	123.8	0.10	1.22	13.13	9	95	23	97	0.07	0.1	4.700	0.174	0	0	0	22
PL.67628	PL.67843	C	6 A (CWC)	7.42Y	123.7	0.11	1.32	13.13	9	95	23	97	0.07	0.1	4.877	0.178	0	0	0	22
PL.67629	PL.67628	C	#4 ACSR	7.42Y	123.7	0.00	1.33	0.91	1	7	2	96	0.00	0.0	4.979	0.101	7	2	1	1
PL.67844	PL.67628	C	6 A (CWC)	7.42Y	123.6	0.09	1.41	9.16	7	66	16	97	0.04	0.1	5.089	0.211	0	0	0	15
PL.67907	PL.67844	C	6 A (CWC)	7.41Y	123.6	0.02	1.43	8.99	6	65	15	97	0.01	0.0	5.130	0.041	4	1	2	14
PL.67911	PL.67907	C	6 A (CWC)	7.41Y	123.5	0.05	1.48	8.38	6	60	14	97	0.02	0.0	5.267	0.137	0	0	0	12
PL.67634	PL.67911	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	1.47	1	11	3	96	0.00	0.0	5.347	0.079	11	3	1	1
PL.67740	PL.67911	C	6 A (CWC)	7.41Y	123.5	0.04	1.52	6.91	5	50	12	97	0.01	0.0	5.431	0.164	16	4	1	11
PL.67944	PL.67740	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	4.72	3	34	8	97	0.00	0.0	5.436	0.005	0	0	0	10
PD.10181	PL.67944	C	20T	7.41Y	123.5	0.00	1.52	4.72	0	34	8	97	0.00	0.0	5.436	0.005	0	0	0	10
PL.67945	PD.10181	C	6 A (CWC)	7.41Y	123.4	0.03	1.56	4.72	3	34	8	97	0.01	0.0	5.598	0.162	2	0	1	10
PL.67636	PL.67945	C	6 A (CWC)	7.41Y	123.4	0.01	1.57	3.31	2	24	6	97	0.00	0.0	5.714	0.116	7	2	2	7
PL.67738	PL.67636	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.41	0	3	1	95	0.00	0.0	5.822	0.109	3	1	2	2
PL.67739	PL.67738	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	5.844	0.022	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: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72555	PL.67739	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	5.849	0.005	0	0	0	0
PD.4388-B	PL.72555	C	Open	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	5.849	0.005	0	0	0	0
PL.67637	PL.67636	C	#4 ACSR	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	5.774	0.061	0	0	0	0
PL.67638	PL.67636	C	#4 ACSR	7.41Y	123.4	0.00	1.58	1.94	1	14	3	98	0.00	0.0	5.741	0.028	0	0	0	3
PL.67845	PL.67638	C	#4 ACSR	7.41Y	123.4	0.01	1.58	1.64	1	12	3	97	0.00	0.0	5.848	0.107	0	0	0	2
PL.67741	PL.67845	C	#4 ACSR	7.40Y	123.4	0.00	1.58	1.64	1	12	3	97	0.00	0.0	5.882	0.035	8	2	1	2
PL.67742	PL.67741	C	#4 ACSR	7.40Y	123.4	0.00	1.58	0.49	0	4	1	97	0.00	0.0	5.917	0.035	4	1	1	1
PL.67639	PL.67638	C	#1/0 ACSR	7.41Y	123.4	0.00	1.58	0.30	0	2	1	89	0.00	0.0	5.825	0.084	2	1	1	1
PL.67635	PL.67945	C	6 A (CWC)	7.41Y	123.4	0.00	1.56	1.18	1	9	2	98	0.00	0.0	5.656	0.059	0	0	0	2
PL.67736	PL.67635	C	#4 ACSR	7.41Y	123.4	0.00	1.56	1.18	1	9	2	98	0.00	0.0	5.707	0.051	3	1	1	2
PL.67737	PL.67736	C	#4 ACSR	7.41Y	123.4	0.00	1.56	0.77	1	6	1	99	0.00	0.0	5.792	0.085	6	1	1	1
PL.67632	PL.67844	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	0.18	0	1	0	100	0.00	0.0	5.156	0.067	0	0	0	1
PL.67633	PL.67632	C	#1/0 ACSR	7.42Y	123.6	0.00	1.41	0.18	0	1	0	100	0.00	0.0	5.175	0.020	1	0	1	1
PL.67630	PL.67628	C	#4 ACSR	7.42Y	123.7	0.02	1.34	3.06	2	22	5	98	0.00	0.0	5.010	0.133	2	0	1	6
PL.67631	PL.67630	C	#1/0 ACSR	7.42Y	123.7	0.00	1.35	2.79	1	20	5	97	0.00	0.0	5.086	0.076	5	1	2	5
PL.67743	PL.67631	C	#1/0 ACSR	7.42Y	123.7	0.00	1.35	2.03	1	15	3	98	0.00	0.0	5.199	0.113	7	2	1	3
PL.67744	PL.67743	C	#1/0 ACSR	7.42Y	123.6	0.00	1.35	1.11	0	8	2	97	0.00	0.0	5.261	0.062	8	2	2	2
PL.68005	PL.67886	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.72	10.74	5	216	105	90	0.00	0.0	3.706	0.012	1	0	2	3
PL.68006	PL.68005	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.74	10.72	5	216	104	90	0.02	0.0	3.774	0.068	0	0	0	1
PL.67592	PL.68006	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	3.779	0.005	0	0	0	0
PL.68293	PL.68006	ABC	1/0 AL URD	7.46Y	124.3	0.00	0.74	10.72	6	216	104	90	0.00	0.0	3.778	0.004	0	0	0	1
PD.10247	PL.68293	ABC	65T	7.46Y	124.3	0.00	0.74	10.72	0	216	104	90	0.00	0.0	3.778	0.004	0	0	0	1
PL.68294	PD.10247	ABC	1/0 AL URD	7.46Y	124.3	0.00	0.74	10.72	6	216	104	90	0.00	0.0	3.785	0.007	216	104	1	1
PL.67890	PL.67814	ABC	336 MCM AC	7.46Y	124.3	0.01	0.72	48.07	9	1045	255	97	0.08	0.0	3.711	0.042	1	0	2	261
PL.67891	PL.67890	ABC	336 MCM AC	7.45Y	124.2	0.05	0.77	43.85	8	953	233	97	0.28	0.0	3.883	0.172	0	0	0	239
PL.67748	PL.67891	ABC	336 MCM AC	7.45Y	124.2	0.05	0.82	43.85	8	953	233	97	0.28	0.0	4.056	0.173	0	0	0	239
PL.68319	PL.67748	ABC	336 MCM AC	7.45Y	124.2	0.00	0.83	43.85	8	952	232	97	0.00	0.0	4.059	0.003	0	0	0	239
PD.10261	PL.68319	ABC	200VWE	7.45Y	124.2	0.00	0.83	43.85	0	952	232	97	0.00	0.0	4.059	0.003	0	0	0	239
PL.68320	PD.10261	ABC	336 MCM AC	7.45Y	124.2	0.01	0.84	43.85	8	952	232	97	0.07	0.0	4.103	0.044	0	0	0	239
PL.67946	PL.68320	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	0.45	0	3	1	95	0.00	0.0	4.108	0.005	0	0	0	1
PD.10182	PL.67946	A	30T	7.45Y	124.2	0.00	0.84	0.45	0	3	1	95	0.00	0.0	4.108	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67947	PD.10182	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	0.45	0	3	1	95	0.00	0.0	4.149	0.041	3	1	1	1
PL.67815	PL.68320	ABC	336 MCM AC	7.45Y	124.1	0.02	0.86	43.70	8	949	231	97	0.12	0.0	4.176	0.073	0	0	0	238
PL.67948	PL.67815	A	#4 ACSR	7.45Y	124.1	0.00	0.86	3.02	2	22	5	98	0.00	0.0	4.181	0.005	0	0	0	3
PD.10183	PL.67948	A	30T	7.45Y	124.1	0.00	0.86	3.02	0	22	5	98	0.00	0.0	4.181	0.005	0	0	0	3
PL.67949	PD.10183	A	#4 ACSR	7.45Y	124.1	0.00	0.87	3.02	2	22	5	98	0.00	0.0	4.218	0.038	6	1	2	3
PL.67745	PL.67949	A	#4 ACSR	7.45Y	124.1	0.00	0.87	2.25	2	16	4	97	0.00	0.0	4.240	0.022	16	4	1	1
PL.67816	PL.67815	ABC	336 MCM AC	7.45Y	124.1	0.02	0.88	42.69	8	927	226	97	0.09	0.0	4.234	0.058	0	0	0	235
PL.67950	PL.67816	C	#1/0 ACSR	7.45Y	124.1	0.00	0.88	0.00	0	0	0	100	0.00	0.0	4.238	0.005	0	0	0	1
PD.10184	PL.67950	C	30T	7.45Y	124.1	0.00	0.88	0.00	0	0	0	100	0.00	0.0	4.238	0.005	0	0	0	1
PL.67951	PD.10184	C	#1/0 ACSR	7.45Y	124.1	0.00	0.88	0.00	0	0	0	100	0.00	0.0	4.282	0.043	0	0	1	1
PL.68015	PL.67816	ABC	336 MCM AC	7.45Y	124.1	0.02	0.90	42.69	8	927	225	97	0.10	0.0	4.297	0.064	9	2	1	234
PL.68016	PL.68015	ABC	336 MCM AC	7.44Y	124.1	0.02	0.92	42.29	8	918	223	97	0.09	0.0	4.358	0.061	0	0	0	233
PL.67648	PL.68016	ABC	336 MCM AC	7.44Y	124.0	0.04	0.96	42.29	8	918	223	97	0.19	0.0	4.484	0.126	0	0	0	233
PL.67650	PL.67648	ABC	336 MCM AC	7.44Y	124.0	0.02	0.97	38.80	7	842	204	97	0.07	0.0	4.541	0.057	0	0	0	213
PL.68275	PL.67650	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	3.01	1	22	5	98	0.00	0.0	4.546	0.005	0	0	0	4
PD.10237	PL.68275	A	30T	7.44Y	124.0	0.00	0.97	3.01	0	22	5	98	0.00	0.0	4.546	0.005	0	0	0	4
PL.68276	PD.10237	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	3.01	1	22	5	98	0.00	0.0	4.579	0.033	21	5	3	4
PL.68023	PL.68276	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.10	0	1	0	100	0.00	0.0	4.639	0.060	1	0	1	1
PL.68277	PL.67650	B	6 A (CWC)	7.44Y	124.0	0.00	0.97	8.66	6	63	15	97	0.00	0.0	4.546	0.005	0	0	0	15
PD.10238	PL.68277	B	30T	7.44Y	124.0	0.00	0.97	8.66	0	63	15	97	0.00	0.0	4.546	0.005	0	0	0	15
PL.68278	PD.10238	B	6 A (CWC)	7.44Y	124.0	0.02	1.00	8.66	6	63	15	97	0.01	0.0	4.607	0.061	0	0	0	15
PL.67652	PL.68278	B	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	4.637	0.030	0	0	0	0
PL.67651	PL.68278	B	6 A (CWC)	7.44Y	124.0	0.05	1.05	8.66	6	63	15	97	0.02	0.0	4.737	0.129	0	0	0	15
PL.68017	PL.67651	B	6 A (CWC)	7.44Y	123.9	0.03	1.08	8.66	6	63	15	97	0.01	0.0	4.810	0.074	1	0	1	15
PL.68018	PL.68017	B	6 A (CWC)	7.43Y	123.9	0.02	1.10	8.56	6	62	15	97	0.01	0.0	4.866	0.056	0	0	0	14
PL.67654	PL.68018	B	#4 ACSR	7.43Y	123.9	0.04	1.14	7.91	6	57	14	97	0.02	0.0	4.981	0.115	0	0	1	12
PL.67658	PL.67654	B	#4 ACSR	7.43Y	123.9	0.00	1.14	1.08	1	8	2	97	0.00	0.0	5.022	0.041	8	2	1	1
PL.67660	PL.67654	B	#4 ACSR	7.43Y	123.8	0.02	1.16	6.16	5	45	11	97	0.01	0.0	5.055	0.073	0	0	0	9
PL.67662	PL.67660	B	#4 ACSR	7.43Y	123.8	0.01	1.17	1.92	1	14	3	98	0.00	0.0	5.181	0.127	7	2	1	2
PL.67663	PL.67662	B	#4 ACSR	7.43Y	123.8	0.00	1.17	1.01	1	7	2	96	0.00	0.0	5.210	0.029	7	2	1	1
PL.67895	PL.67660	B	#4 ACSR	7.43Y	123.8	0.01	1.17	4.23	3	31	7	98	0.00	0.0	5.108	0.054	0	0	0	6

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67665	PL.67895	B	#4 ACSR	7.43Y	123.8	0.00	1.17	1.22	1	9	2	98	0.00	0.0	5.154	0.046	9	2	2	2
PL.67664	PL.67895	B	#4 ACSR	7.43Y	123.8	0.00	1.17	0.47	0	3	1	95	0.00	0.0	5.127	0.019	3	1	1	1
PL.67896	PL.67895	B	#4 ACSR	7.43Y	123.8	0.00	1.17	2.54	2	18	4	98	0.00	0.0	5.140	0.032	0	0	0	3
PL.68026	PL.67896	B	#4 ACSR	7.43Y	123.8	0.01	1.18	2.54	2	18	4	98	0.00	0.0	5.212	0.072	12	3	2	3
PL.68027	PL.68026	B	#4 ACSR	7.43Y	123.8	0.00	1.18	0.83	1	6	1	99	0.00	0.0	5.252	0.040	6	1	1	1
PL.67954	PL.67896	B	#1/0 ACSR	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	5.157	0.017	0	0	0	0
PD.10186	PL.67954	B	30T	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	5.157	0.017	0	0	0	0
PL.67955	PD.10186	B	#1/0 ACSR	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	5.284	0.127	0	0	0	0
PL.67661	PL.67660	B	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.01	0	0	0	100	0.00	0.0	5.068	0.014	0	0	1	1
PL.67659	PL.67654	B	#4 ACSR	7.43Y	123.9	0.00	1.14	0.63	0	5	1	98	0.00	0.0	5.032	0.051	5	1	1	1
PL.67653	PL.68018	B	#4 ACSR	7.43Y	123.9	0.00	1.10	0.65	1	5	1	98	0.00	0.0	4.919	0.053	5	1	1	2
PL.67655	PL.67653	B	#4 ACSR	7.43Y	123.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	5.005	0.086	0	0	1	1
PL.67819	PL.67650	ABC	336 MCM AC	7.44Y	124.0	0.02	0.99	34.92	7	757	184	97	0.06	0.0	4.604	0.063	4	1	1	194
PL.67952	PL.67819	C	#4 ACSR	7.44Y	124.0	0.00	0.99	1.00	1	7	2	96	0.00	0.0	4.609	0.005	0	0	0	1
PD.10185	PL.67952	C	30T	7.44Y	124.0	0.00	0.99	1.00	0	7	2	96	0.00	0.0	4.609	0.005	0	0	0	1
PL.67953	PD.10185	C	#4 ACSR	7.44Y	124.0	0.00	0.99	1.00	1	7	2	96	0.00	0.0	4.643	0.034	7	2	1	1
PL.67820	PL.67819	ABC	336 MCM AC	7.44Y	124.0	0.01	1.00	34.39	7	746	181	97	0.05	0.0	4.657	0.053	0	0	0	192
PL.68313	PL.67820	A	#4 ACSR	7.44Y	124.0	0.00	1.00	9.01	7	65	15	97	0.00	0.0	4.660	0.003	0	0	0	17
PD.10258	PL.68313	A	35L	7.44Y	124.0	0.00	1.00	9.01	26	65	15	97	0.00	0.0	4.660	0.003	0	0	0	17
PL.68314	PD.10258	A	#4 ACSR	7.44Y	124.0	0.02	1.02	9.01	7	65	15	97	0.01	0.0	4.705	0.045	8	2	1	17
PL.67666	PL.68314	A	#4 ACSR	7.44Y	124.0	0.01	1.03	7.16	6	52	12	97	0.01	0.0	4.751	0.046	0	0	0	13
PL.67867	PL.67666	A	#4 ACSR	7.44Y	123.9	0.05	1.08	7.16	6	52	12	97	0.02	0.0	4.904	0.153	6	2	2	13
PL.67669	PL.67867	A	#4 ACSR	7.44Y	123.9	0.00	1.08	6.26	5	45	11	97	0.00	0.0	4.917	0.013	0	0	0	11
PL.67670	PL.67669	A	#4 ACSR	7.43Y	123.9	0.02	1.10	4.91	4	35	8	97	0.01	0.0	5.026	0.110	0	0	0	8
PL.67849	PL.67670	A	#4 ACSR	7.43Y	123.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	5.130	0.103	0	0	0	0
PD.10252-B	PL.67849	A	Open	7.43Y	123.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	5.130	0.103	0	0	0	0
PL.68038	PL.67670	A	#4 ACSR	7.43Y	123.9	0.01	1.12	4.91	4	35	8	97	0.00	0.0	5.094	0.068	4	1	2	8
PL.68037	PL.68038	A	#4 ACSR	7.43Y	123.9	0.01	1.13	4.29	3	31	7	98	0.00	0.0	5.150	0.055	10	2	2	6
PL.67672	PL.68037	A	#4 ACSR	7.43Y	123.9	0.00	1.13	0.87	1	6	1	99	0.00	0.0	5.218	0.068	6	1	1	1
PL.67892	PL.68037	A	#4 ACSR	7.43Y	123.9	0.00	1.13	1.98	2	14	3	98	0.00	0.0	5.178	0.028	0	0	0	3
PL.68035	PL.67892	A	#4 ACSR	7.43Y	123.9	0.00	1.13	1.98	2	14	3	98	0.00	0.0	5.213	0.035	10	2	2	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: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68036	PL.68035	A	#4 ACSR	7.43Y	123.9	0.00	1.13	0.61	0	4	1	97	0.00	0.0	5.252	0.039	4	1	1	1
PL.67817	PL.67669	A	#4 ACSR	7.43Y	123.9	0.00	1.08	1.36	1	10	2	98	0.00	0.0	4.957	0.040	0	0	0	3
PL.67671	PL.67817	A	#1/0 ACSR	7.43Y	123.9	0.00	1.08	1.36	1	10	2	98	0.00	0.0	4.978	0.021	10	2	3	3
PL.67818	PL.67817	A	#4 ACSR	7.43Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	4.972	0.015	0	0	0	0
PL.67667	PL.68314	A	#4 ACSR	7.44Y	124.0	0.00	1.02	0.76	1	6	1	99	0.00	0.0	4.760	0.055	5	1	2	3
PL.67668	PL.67667	A	#2 ACSR	7.44Y	124.0	0.00	1.02	0.02	0	0	0	100	0.00	0.0	4.793	0.034	0	0	1	1
PL.67821	PL.67820	ABC	336 MCM AC	7.44Y	124.0	0.02	1.02	31.38	6	681	166	97	0.09	0.0	4.766	0.109	0	0	0	175
PL.67868	PL.67821	ABC	336 MCM AC	7.44Y	123.9	0.03	1.05	31.38	6	681	166	97	0.10	0.0	4.882	0.116	0	0	0	175
PL.67869	PL.67868	ABC	336 MCM AC	7.44Y	123.9	0.01	1.06	31.38	6	680	165	97	0.04	0.0	4.936	0.054	0	0	0	175
PL.67956	PL.67869	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	27.27	12	197	47	97	0.00	0.0	4.940	0.005	0	0	0	37
PD.10187	PL.67956	C	30T	7.44Y	123.9	0.00	1.07	27.27	0	197	47	97	0.00	0.0	4.940	0.005	0	0	0	37
PL.67957	PD.10187	C	#1/0 ACSR	7.43Y	123.9	0.04	1.10	27.27	12	197	47	97	0.05	0.0	5.000	0.060	0	0	0	37
PL.68047	PL.67957	C	#1/0 ACSR	7.43Y	123.9	0.00	1.10	1.38	1	10	2	98	0.00	0.0	5.069	0.069	7	2	1	3
PL.68048	PL.68047	C	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.39	0	3	1	95	0.00	0.0	5.093	0.024	3	1	2	2
PL.67673	PL.67957	C	#1/0 ACSR	7.43Y	123.9	0.01	1.11	1.68	1	12	3	97	0.00	0.0	5.148	0.148	0	0	0	2
PL.67674	PL.67673	C	#4 ACSR	7.43Y	123.9	0.00	1.11	0.84	1	6	1	99	0.00	0.0	5.228	0.079	6	1	1	1
PL.67822	PL.67673	C	#1/0 ACSR	7.43Y	123.9	0.00	1.11	0.85	0	6	1	99	0.00	0.0	5.182	0.034	6	1	1	1
PL.67960	PL.67957	C	#4 ACSR	7.43Y	123.9	0.00	1.11	24.21	19	175	42	97	0.01	0.0	5.005	0.005	0	0	0	32
PD.10189	PL.67960	C	30T	7.43Y	123.9	0.00	1.11	24.21	0	175	42	97	0.00	0.0	5.005	0.005	0	0	0	32
PL.67961	PD.10189	C	#4 ACSR	7.43Y	123.8	0.05	1.16	24.21	19	175	42	97	0.07	0.0	5.053	0.048	6	1	1	32
PL.68045	PL.67961	C	#4 ACSR	7.43Y	123.8	0.07	1.22	23.40	18	169	40	97	0.08	0.0	5.119	0.066	10	2	3	31
PL.68046	PL.68045	C	#4 ACSR	7.43Y	123.8	0.01	1.23	21.99	17	159	38	97	0.01	0.0	5.131	0.012	15	4	3	28
PL.67705	PL.68046	C	6 A (CWC)	7.43Y	123.8	0.00	1.24	2.48	2	18	4	98	0.00	0.0	5.186	0.055	18	4	3	3
PL.67823	PL.68046	C	#4 ACSR	7.42Y	123.7	0.03	1.26	17.40	13	126	30	97	0.03	0.0	5.167	0.035	0	0	0	22
PL.67715	PL.67823	C	#4 ACSR	7.42Y	123.7	0.08	1.34	17.40	13	126	30	97	0.07	0.1	5.273	0.106	9	2	1	22
PL.67713	PL.67715	C	#4 ACSR	7.42Y	123.7	0.00	1.34	13.93	11	101	24	97	0.00	0.0	5.277	0.004	0	0	0	18
PD.10242	PL.67713	C	30T	7.42Y	123.7	0.00	1.34	13.93	0	101	24	97	0.00	0.0	5.277	0.004	0	0	0	18
PL.67824	PD.10242	C	#4 ACSR	7.42Y	123.6	0.03	1.37	6.95	5	50	12	97	0.01	0.0	5.381	0.104	0	0	0	10
PL.67788	PL.67824	C	#4 ACSR	7.42Y	123.6	0.00	1.38	1.88	1	14	3	98	0.00	0.0	5.447	0.066	8	2	1	2
PL.67789	PL.67788	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.82	0	6	1	99	0.00	0.0	5.484	0.037	0	0	0	1
PL.67721	PL.67789	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.82	0	6	1	99	0.00	0.0	5.512	0.028	6	1	1	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68051	PL.67824	C	#4 ACSR	7.42Y	123.6	0.02	1.39	5.06	4	37	9	97	0.00	0.0	5.461	0.080	8	2	1	8
PL.68052	PL.68051	C	#4 ACSR	7.42Y	123.6	0.01	1.40	4.01	3	29	7	97	0.00	0.0	5.546	0.085	7	2	1	7
PL.67720	PL.68052	C	#4 ACSR	7.41Y	123.6	0.01	1.42	3.10	2	22	5	98	0.00	0.0	5.679	0.134	9	2	3	6
PL.68171	PL.67720	C	#4 ACSR	7.41Y	123.6	0.00	1.42	1.84	1	13	3	97	0.00	0.0	5.727	0.047	7	2	2	3
PL.68172	PL.68171	C	#4 ACSR	7.41Y	123.6	0.00	1.42	0.91	1	7	2	96	0.00	0.0	5.765	0.038	7	2	1	1
PL.67712	PD.10242	C	#4 ACSR	7.42Y	123.6	0.01	1.36	3.25	2	23	6	97	0.00	0.0	5.362	0.085	0	0	0	2
PL.67825	PL.67712	C	#4 ACSR	7.42Y	123.6	0.00	1.36	1.85	1	13	3	97	0.00	0.0	5.405	0.043	13	3	1	1
PL.67716	PL.67712	C	#4 ACSR	7.42Y	123.6	0.00	1.36	1.40	1	10	2	98	0.00	0.0	5.399	0.037	10	2	1	1
PL.67714	PD.10242	C	#4 ACSR	7.42Y	123.6	0.01	1.36	3.74	3	27	6	98	0.00	0.0	5.350	0.073	0	0	0	6
PL.67717	PL.67714	C	#2 ACSR	7.42Y	123.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	5.394	0.044	0	0	1	1
PL.67718	PL.67714	C	#4 ACSR	7.42Y	123.6	0.01	1.36	1.74	1	13	3	97	0.00	0.0	5.439	0.089	0	0	0	3
PL.67708	PL.67718	C	#4 ACSR	7.42Y	123.6	0.01	1.37	1.74	1	13	3	97	0.00	0.0	5.551	0.113	0	0	0	3
PL.67894	PL.67708	C	#4 ACSR	7.42Y	123.6	0.00	1.37	0.67	1	5	1	98	0.00	0.0	5.636	0.085	0	0	0	2
PL.67893	PL.67894	C	#4 ACSR	7.42Y	123.6	0.00	1.37	0.24	0	2	0	100	0.00	0.0	5.644	0.008	2	0	1	1
PL.67706	PL.67894	C	#1/0 ACSR	7.42Y	123.6	0.00	1.37	0.44	0	3	1	95	0.00	0.0	5.690	0.054	3	1	1	1
PL.67707	PL.67708	C	#4 ACSR	7.42Y	123.6	0.00	1.37	1.07	1	8	2	97	0.00	0.0	5.587	0.035	8	2	1	1
PL.67719	PL.67714	C	#1/0 ACSR	7.42Y	123.6	0.00	1.36	2.00	1	14	3	98	0.00	0.0	5.420	0.070	9	2	1	2
PL.67709	PL.67719	C	#1/0 ACSR	7.42Y	123.6	0.00	1.36	0.74	0	5	1	98	0.00	0.0	5.464	0.044	5	1	1	1
PL.67710	PL.67715	C	#4 ACSR	7.42Y	123.7	0.00	1.34	0.83	1	6	1	99	0.00	0.0	5.373	0.100	6	1	1	1
PL.67711	PL.67715	C	#4 ACSR	7.42Y	123.7	0.00	1.34	1.40	1	10	2	98	0.00	0.0	5.369	0.096	10	2	2	2
PL.67897	PL.67869	ABC	336 MCM AC	7.44Y	123.9	0.01	1.07	22.29	4	483	118	97	0.02	0.0	4.978	0.043	0	0	0	138
PL.67958	PL.67897	B	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.57	0	4	1	97	0.00	0.0	4.983	0.005	0	0	0	1
PD.10188	PL.67958	B	30T	7.44Y	123.9	0.00	1.07	0.57	0	4	1	97	0.00	0.0	4.983	0.005	0	0	0	1
PL.67959	PD.10188	B	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.57	0	4	1	97	0.00	0.0	5.003	0.020	4	1	1	1
PL.67898	PL.67897	ABC	336 MCM AC	7.43Y	123.9	0.02	1.09	22.11	4	479	117	97	0.06	0.0	5.114	0.136	0	0	0	137
PL.67962	PL.67898	C	#1/0 ACSR	7.43Y	123.9	0.00	1.09	1.03	0	7	2	96	0.00	0.0	5.119	0.005	0	0	0	2
PD.10190	PL.67962	C	30T	7.43Y	123.9	0.00	1.09	1.03	0	7	2	96	0.00	0.0	5.119	0.005	0	0	0	2
PL.67963	PD.10190	C	#1/0 ACSR	7.43Y	123.9	0.00	1.09	1.03	0	7	2	96	0.00	0.0	5.191	0.072	0	0	0	2
PL.67679	PL.67963	C	#4 ACSR	7.43Y	123.9	0.00	1.09	1.03	1	7	2	96	0.00	0.0	5.249	0.058	7	2	2	2
PL.67675	PL.67898	B	6 A (CWC)	7.43Y	123.9	0.04	1.13	17.94	13	130	31	97	0.04	0.0	5.168	0.054	8	2	2	29
PL.67677	PL.67675	B	6 A (CWC)	7.43Y	123.9	0.00	1.13	1.87	1	14	3	98	0.00	0.0	5.191	0.023	14	3	4	4

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67678	PL.67675	B	6 A (CWC)	7.43Y	123.9	0.00	1.13	0.89	1	6	2	95	0.00	0.0	5.228	0.059	6	2	1	1
PL.68315	PL.67675	B	6 A (CWC)	7.43Y	123.9	0.00	1.13	14.09	10	102	24	97	0.00	0.0	5.171	0.003	0	0	0	22
PD.10259	PL.68315	B	35L	7.43Y	123.9	0.00	1.13	14.09	40	102	24	97	0.00	0.0	5.171	0.003	0	0	0	22
PL.68316	PD.10259	B	6 A (CWC)	7.43Y	123.8	0.10	1.24	14.09	10	102	24	97	0.08	0.1	5.331	0.160	0	0	0	22
PL.67699	PL.68316	B	6 A (CWC)	7.42Y	123.7	0.06	1.30	13.36	10	97	23	97	0.04	0.0	5.431	0.100	0	0	1	21
PL.67698	PL.67699	B	#4 ACSR	7.42Y	123.7	0.00	1.30	2.06	2	15	4	97	0.00	0.0	5.477	0.046	8	2	1	2
PL.67697	PL.67698	B	#4 ACSR	7.42Y	123.7	0.00	1.30	1.00	1	7	2	96	0.00	0.0	5.535	0.058	7	2	1	1
PL.68058	PL.67699	B	6 A (CWC)	7.42Y	123.7	0.03	1.32	11.26	8	81	19	97	0.02	0.0	5.483	0.052	1	0	1	18
PL.68059	PL.68058	B	6 A (CWC)	7.42Y	123.7	0.01	1.34	11.17	8	81	19	97	0.01	0.0	5.510	0.027	15	4	2	17
PL.67704	PL.68059	B	6 A (CWC)	7.42Y	123.7	0.00	1.34	9.07	6	65	16	97	0.00	0.0	5.518	0.008	0	0	0	15
PL.67703	PL.67704	B	6 A (CWC)	7.42Y	123.7	0.01	1.34	3.89	3	28	7	97	0.00	0.0	5.558	0.039	11	3	2	6
PL.67701	PL.67703	B	#4 ACSR	7.42Y	123.7	0.00	1.34	0.20	0	1	0	100	0.00	0.0	5.601	0.043	1	0	1	1
PL.67702	PL.67703	B	#4 ACSR	7.42Y	123.7	0.00	1.35	2.22	2	16	4	97	0.00	0.0	5.589	0.031	16	4	3	3
PL.68054	PL.67704	B	6 A (CWC)	7.42Y	123.7	0.01	1.35	5.18	4	37	9	97	0.00	0.0	5.559	0.041	19	4	5	9
PL.68055	PL.68054	B	6 A (CWC)	7.42Y	123.7	0.00	1.35	2.57	2	19	4	98	0.00	0.0	5.597	0.037	13	3	3	4
PL.68053	PL.68055	B	6 A (CWC)	7.42Y	123.7	0.00	1.35	0.71	1	5	1	98	0.00	0.0	5.655	0.059	5	1	1	1
PL.67700	PL.68316	B	#4 ACSR	7.43Y	123.8	0.00	1.24	0.73	1	5	1	98	0.00	0.0	5.432	0.101	5	1	1	1
PL.67676	PL.67898	ABC	336 MCM AC	7.43Y	123.9	0.02	1.11	15.78	3	342	85	97	0.03	0.0	5.252	0.138	0	0	0	106
PL.67826	PL.67676	ABC	336 MCM AC	7.43Y	123.9	0.01	1.12	14.30	3	310	77	97	0.02	0.0	5.363	0.110	0	0	0	98
PL.67870	PL.67826	ABC	336 MCM AC	7.43Y	123.9	0.01	1.13	14.30	3	310	77	97	0.02	0.0	5.469	0.106	0	0	0	98
PL.67829	PL.67870	ABC	336 MCM AC	7.43Y	123.9	0.01	1.13	13.39	3	290	69	97	0.01	0.0	5.537	0.068	0	0	0	96
PL.68281	PL.67829	A	#4 ACSR	7.43Y	123.9	0.00	1.14	2.69	2	19	5	97	0.00	0.0	5.542	0.005	0	0	0	4
PD.10240	PL.68281	A	30T	7.43Y	123.9	0.00	1.14	2.69	0	19	5	97	0.00	0.0	5.542	0.005	0	0	0	4
PL.68282	PD.10240	A	#4 ACSR	7.43Y	123.9	0.00	1.14	2.69	2	19	5	97	0.00	0.0	5.595	0.053	10	2	3	4
PL.68071	PL.68282	A	#4 ACSR	7.43Y	123.9	0.00	1.14	1.25	1	9	2	98	0.00	0.0	5.652	0.057	9	2	1	1
PL.67830	PL.67829	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	12.50	2	271	65	97	0.00	0.0	5.573	0.036	0	0	0	92
PL.68069	PL.67830	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	2.96	1	64	16	97	0.00	0.0	5.617	0.044	6	2	2	29
PL.68070	PL.68069	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	2.66	1	58	14	97	0.00	0.0	5.705	0.088	1	0	1	27
PL.68068	PL.68070	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	2.61	1	56	14	97	0.00	0.0	5.737	0.032	0	0	1	26
PL.67831	PL.68068	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	2.31	0	50	12	97	0.00	0.0	5.800	0.063	1	0	4	23
PL.68285	PL.67831	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.58	1	11	3	96	0.00	0.0	5.804	0.005	0	0	0	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10243	PL.68285	A	30T	7.43Y	123.9	0.00	1.14	1.58	0	11	3	96	0.00	0.0	5.804	0.005	0	0	0	5
PL.68286	PD.10243	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.58	1	11	3	96	0.00	0.0	5.827	0.022	11	3	5	5
PL.67833	PL.67831	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	1.75	0	38	9	97	0.00	0.0	5.821	0.021	0	0	0	14
PL.67975	PL.67833	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.16	1	8	2	97	0.00	0.0	5.825	0.005	0	0	0	2
PD.10196	PL.67975	C	30T	7.43Y	123.9	0.00	1.14	1.16	0	8	2	97	0.00	0.0	5.825	0.005	0	0	0	2
PL.67974	PD.10196	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.16	1	8	2	97	0.00	0.0	5.861	0.036	0	0	0	2
PL.67722	PL.67974	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.25	0	2	0	100	0.00	0.0	5.930	0.069	2	0	1	1
PL.67787	PL.67974	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.92	0	7	2	96	0.00	0.0	5.922	0.060	7	2	1	1
PL.67834	PL.67833	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	1.36	0	30	7	97	0.00	0.0	5.851	0.030	0	0	0	12
PL.67972	PL.67834	A	#4 ACSR	7.43Y	123.9	0.00	1.14	0.84	1	6	1	99	0.00	0.0	5.856	0.005	0	0	0	3
PD.10195	PL.67972	A	30T	7.43Y	123.9	0.00	1.14	0.84	0	6	1	99	0.00	0.0	5.856	0.005	0	0	0	3
PL.67973	PD.10195	A	#4 ACSR	7.43Y	123.9	0.00	1.14	0.84	1	6	1	99	0.00	0.0	5.870	0.014	2	1	2	3
PL.68067	PL.67973	A	#4 ACSR	7.43Y	123.9	0.00	1.14	0.50	0	4	1	97	0.00	0.0	5.954	0.084	4	1	1	1
PL.67832	PL.67834	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	1.09	0	23	6	97	0.00	0.0	5.913	0.062	0	0	0	9
PL.67899	PL.67832	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	0.15	0	3	1	95	0.00	0.0	5.949	0.036	2	1	1	4
PL.68062	PL.67899	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	5.982	0.033	0	0	1	1
PL.68063	PL.68062	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	6.028	0.046	0	0	0	0
PL.69067	PL.68063	ABC	336 MCM AC	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	6.032	0.004	0	0	0	0
PD.10362-B	PL.69067	ABC	Open	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	6.032	0.004	0	0	0	0
PL.67968	PL.67899	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	2	0	100	0.00	0.0	5.954	0.005	0	0	0	2
PD.10193	PL.67968	C	30T	7.43Y	123.9	0.00	1.14	0.22	0	2	0	100	0.00	0.0	5.954	0.005	0	0	0	2
PL.67969	PD.10193	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	2	0	100	0.00	0.0	5.977	0.024	1	0	1	2
PL.68066	PL.67969	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.14	0	1	0	100	0.00	0.0	6.019	0.041	1	0	1	1
PL.67970	PL.67832	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	2.80	1	20	5	97	0.00	0.0	5.918	0.005	0	0	0	5
PD.10194	PL.67970	A	30T	7.43Y	123.9	0.00	1.14	2.80	0	20	5	97	0.00	0.0	5.918	0.005	0	0	0	5
PL.67971	PD.10194	A	#1/0 ACSR	7.43Y	123.9	0.00	1.15	2.80	1	20	5	97	0.00	0.0	5.971	0.054	5	1	1	5
PL.68064	PL.67971	A	#4 ACSR	7.43Y	123.8	0.00	1.15	2.13	2	15	4	97	0.00	0.0	6.039	0.068	13	3	2	4
PL.68065	PL.68064	A	#4 ACSR	7.43Y	123.8	0.00	1.15	0.35	0	3	1	95	0.00	0.0	6.121	0.082	3	1	2	2
PL.67978	PL.68068	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.84	0	6	1	99	0.00	0.0	5.742	0.005	0	0	0	2
PD.10198	PL.67978	C	30T	7.43Y	123.9	0.00	1.14	0.84	0	6	1	99	0.00	0.0	5.742	0.005	0	0	0	2
PL.67979	PD.10198	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.84	0	6	1	99	0.00	0.0	5.775	0.033	6	1	2	2

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68321	PL.67830	C	6 A (CWC)	7.43Y	123.9	0.00	1.14	28.62	20	207	49	97	0.01	0.0	5.575	0.003	0	0	0	63
PD.10262	PL.68321	C	50L	7.43Y	123.9	0.00	1.14	28.62	57	207	49	97	0.00	0.0	5.575	0.003	0	0	0	63
PL.68322	PD.10262	C	6 A (CWC)	7.43Y	123.8	0.04	1.18	28.62	20	207	49	97	0.06	0.0	5.605	0.029	1	0	1	63
PL.67980	PL.68322	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	1.43	1	10	2	98	0.00	0.0	5.609	0.005	0	0	0	2
PD.10199	PL.67980	C	20T	7.43Y	123.8	0.00	1.18	1.43	0	10	2	98	0.00	0.0	5.609	0.005	0	0	0	2
PL.67981	PD.10199	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	1.43	1	10	2	98	0.00	0.0	5.691	0.082	10	2	2	2
PL.68072	PL.68322	C	6 A (CWC)	7.43Y	123.8	0.05	1.23	27.10	19	196	47	97	0.07	0.0	5.647	0.042	4	1	1	60
PL.68073	PL.68072	C	6 A (CWC)	7.42Y	123.7	0.03	1.26	26.59	19	192	46	97	0.04	0.0	5.672	0.026	18	4	3	59
PL.68074	PL.68073	C	6 A (CWC)	7.42Y	123.7	0.03	1.29	15.08	11	109	26	97	0.02	0.0	5.717	0.045	2	1	1	33
PL.68075	PL.68074	C	6 A (CWC)	7.42Y	123.7	0.03	1.32	14.78	11	107	25	97	0.02	0.0	5.770	0.053	18	4	5	32
PL.67689	PL.68075	C	6 A (CWC)	7.42Y	123.6	0.03	1.35	12.22	9	88	21	97	0.02	0.0	5.824	0.054	0	0	0	27
PL.67692	PL.67689	C	6 A (CWC)	7.42Y	123.6	0.01	1.36	6.69	5	48	11	97	0.00	0.0	5.851	0.027	5	1	1	17
PL.67987	PL.67692	C	#4 ACSR	7.42Y	123.6	0.00	1.36	0.57	0	4	1	97	0.00	0.0	5.856	0.005	0	0	0	1
PD.10202	PL.67987	C	20T	7.42Y	123.6	0.00	1.36	0.57	0	4	1	97	0.00	0.0	5.856	0.005	0	0	0	1
PL.67986	PD.10202	C	#4 ACSR	7.42Y	123.6	0.00	1.36	0.57	0	4	1	97	0.00	0.0	5.902	0.046	4	1	1	1
PL.67694	PL.67692	C	6 A (CWC)	7.42Y	123.6	0.01	1.37	5.49	4	40	9	98	0.00	0.0	5.874	0.023	7	2	2	15
PL.67695	PL.67694	C	6 A (CWC)	7.42Y	123.6	0.01	1.37	4.49	3	32	8	97	0.00	0.0	5.917	0.043	24	6	5	13
PL.68056	PL.67695	C	6 A (CWC)	7.42Y	123.6	0.00	1.37	1.23	1	9	2	98	0.00	0.0	5.968	0.051	0	0	0	8
PL.68057	PL.68056	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	1.23	1	9	2	98	0.00	0.0	6.010	0.042	2	1	2	8
PL.67696	PL.68057	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.93	1	7	2	96	0.00	0.0	6.080	0.070	7	2	6	6
PL.68208	PL.67689	C	#4 ACSR	7.42Y	123.6	0.00	1.35	5.53	4	40	9	98	0.00	0.0	5.829	0.005	0	0	0	10
PD.10204	PL.68208	C	20T	7.42Y	123.6	0.00	1.35	5.53	0	40	9	98	0.00	0.0	5.829	0.005	0	0	0	10
PL.68209	PD.10204	C	#4 ACSR	7.42Y	123.6	0.01	1.36	5.53	4	40	9	98	0.00	0.0	5.877	0.048	25	6	6	10
PL.67693	PL.68209	C	#4 ACSR	7.42Y	123.6	0.00	1.36	2.11	2	15	4	97	0.00	0.0	5.924	0.048	15	4	4	4
PL.67982	PL.68073	C	#4 ACSR	7.42Y	123.7	0.00	1.26	9.05	7	65	16	97	0.00	0.0	5.677	0.005	0	0	0	23
PD.10200	PL.67982	C	20T	7.42Y	123.7	0.00	1.26	9.05	0	65	16	97	0.00	0.0	5.677	0.005	0	0	0	23
PL.67983	PD.10200	C	#4 ACSR	7.42Y	123.7	0.05	1.31	9.05	7	65	16	97	0.02	0.0	5.795	0.118	0	0	0	23
PL.67984	PL.67983	C	#4 ACSR	7.42Y	123.7	0.00	1.31	0.35	0	2	1	89	0.00	0.0	5.799	0.005	0	0	0	2
PD.10201	PL.67984	C	12T	7.42Y	123.7	0.00	1.31	0.35	0	2	1	89	0.00	0.0	5.799	0.005	0	0	0	2
PL.67985	PD.10201	C	#4 ACSR	7.42Y	123.7	0.00	1.31	0.35	0	2	1	89	0.00	0.0	5.952	0.152	0	0	1	2
PL.67691	PL.67985	C	#4 ACSR	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	6.011	0.060	0	0	0	0

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67690	PL.67985	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.33	0	2	1	89	0.00	0.0	6.030	0.078	2	1	1	1
PL.67681	PL.67983	C	#4 ACSR	7.42Y	123.7	0.01	1.32	5.88	5	42	10	97	0.00	0.0	5.840	0.046	0	0	0	13
PL.68077	PL.67681	C	#4 ACSR	7.42Y	123.7	0.01	1.33	3.79	3	27	6	98	0.00	0.0	5.876	0.036	3	1	3	11
PL.68078	PL.68077	C	#4 ACSR	7.42Y	123.7	0.00	1.33	3.39	3	24	6	97	0.00	0.0	5.905	0.028	2	0	2	8
PL.67988	PL.68078	C	6 A (CWC)	7.42Y	123.7	0.00	1.33	3.16	2	23	5	98	0.00	0.0	5.909	0.005	0	0	0	6
PD.10203	PL.67988	C	12T	7.42Y	123.7	0.00	1.33	3.16	0	23	5	98	0.00	0.0	5.909	0.005	0	0	0	6
PL.67989	PD.10203	C	6 A (CWC)	7.42Y	123.7	0.02	1.35	3.16	2	23	5	98	0.00	0.0	6.040	0.130	0	0	0	6
PL.67871	PL.67989	C	6 A (CWC)	7.42Y	123.6	0.01	1.36	3.16	2	23	5	98	0.00	0.0	6.102	0.063	5	1	1	6
PL.68080	PL.67871	C	#4 ACSR	7.42Y	123.6	0.00	1.36	1.18	1	9	2	98	0.00	0.0	6.171	0.069	0	0	1	4
PL.68081	PL.68080	C	#4 ACSR	7.42Y	123.6	0.00	1.37	1.18	1	9	2	98	0.00	0.0	6.252	0.081	0	0	1	3
PL.68079	PL.68081	C	#4 ACSR	7.42Y	123.6	0.00	1.37	1.17	1	8	2	97	0.00	0.0	6.375	0.123	8	2	2	2
PL.67688	PL.67871	C	#1/0 ACSR	7.42Y	123.6	0.00	1.36	1.35	1	10	2	98	0.00	0.0	6.175	0.073	10	2	1	1
PL.67682	PL.67681	C	#4 ACSR	7.42Y	123.7	0.00	1.32	0.84	1	6	1	99	0.00	0.0	5.876	0.035	6	1	1	1
PL.67683	PL.67681	C	#1/0 ACSR	7.42Y	123.7	0.00	1.32	1.25	1	9	2	98	0.00	0.0	5.889	0.049	9	2	1	1
PL.68283	PL.67983	C	#4 ACSR	7.42Y	123.7	0.00	1.31	2.82	2	20	5	97	0.00	0.0	5.799	0.005	0	0	0	8
PD.10241	PL.68283	C	12T	7.42Y	123.7	0.00	1.31	2.82	0	20	5	97	0.00	0.0	5.799	0.005	0	0	0	8
PL.68284	PD.10241	C	#4 ACSR	7.42Y	123.7	0.00	1.31	2.82	2	20	5	97	0.00	0.0	5.836	0.036	2	0	2	8
PL.68076	PL.68284	C	#4 ACSR	7.42Y	123.7	0.01	1.32	2.61	2	19	4	98	0.00	0.0	5.914	0.079	0	0	1	6
PL.67684	PL.68076	C	#4 ACSR	7.42Y	123.7	0.00	1.33	2.60	2	19	4	98	0.00	0.0	5.967	0.053	8	2	1	5
PL.67847	PL.67684	C	#4 ACSR	7.42Y	123.7	0.00	1.33	1.01	1	7	2	96	0.00	0.0	6.030	0.063	7	2	1	1
PL.67686	PL.67684	C	#4 ACSR	7.42Y	123.7	0.00	1.33	0.49	0	4	1	97	0.00	0.0	5.973	0.007	0	0	0	3
PL.67687	PL.67686	C	#4 ACSR	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	6.058	0.084	0	0	1	1
PL.67685	PL.67686	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.48	0	4	1	97	0.00	0.0	6.153	0.179	4	1	2	2
PL.67976	PL.67870	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.96	0	7	2	96	0.00	0.0	5.474	0.005	0	0	0	1
PD.10197	PL.67976	C	30T	7.43Y	123.9	0.00	1.13	0.96	0	7	2	96	0.00	0.0	5.474	0.005	0	0	0	1
PL.67977	PD.10197	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.96	0	7	2	96	0.00	0.0	5.578	0.105	7	2	1	1
PL.68301	PL.67870	ABC	#4 ACSR	7.43Y	123.9	0.00	1.13	0.60	0	12	6	89	0.00	0.0	5.474	0.005	0	0	0	1
PD.10251	PL.68301	ABC	30T	7.43Y	123.9	0.00	1.13	0.60	0	12	6	89	0.00	0.0	5.474	0.005	0	0	0	1
PL.68302	PD.10251	ABC	#4 ACSR	7.43Y	123.9	0.00	1.13	0.60	0	12	6	89	0.00	0.0	5.497	0.023	12	6	1	1
PL.67964	PL.67676	A	#1/0 ACSR	7.43Y	123.9	0.00	1.11	3.06	1	22	5	98	0.00	0.0	5.257	0.005	0	0	0	7
PD.10191	PL.67964	A	30T	7.43Y	123.9	0.00	1.11	3.06	0	22	5	98	0.00	0.0	5.257	0.005	0	0	0	7

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67965	PD.10191	A	#1/0 ACSR	7.43Y	123.9	0.00	1.11	3.06	1	22	5	98	0.00	0.0	5.307	0.050	2	0	1	7
PL.67966	PL.67965	A	1/0 AL URD	7.43Y	123.9	0.00	1.11	0.81	0	6	1	99	0.00	0.0	5.312	0.005	0	0	0	2
PD.10192	PL.67966	A	30T	7.43Y	123.9	0.00	1.11	0.81	0	6	1	99	0.00	0.0	5.312	0.005	0	0	0	2
PL.67967	PD.10192	A	1/0 AL URD	7.43Y	123.9	0.00	1.11	0.81	0	6	1	99	0.00	0.0	5.345	0.034	6	1	2	2
PL.67827	PL.67965	A	#1/0 ACSR	7.43Y	123.9	0.00	1.11	1.98	1	14	3	98	0.00	0.0	5.342	0.035	6	1	1	4
PL.68049	PL.67827	A	#4 ACSR	7.43Y	123.9	0.00	1.11	1.19	1	9	2	98	0.00	0.0	5.393	0.051	0	0	1	3
PL.68050	PL.68049	A	#4 ACSR	7.43Y	123.9	0.00	1.12	1.17	1	8	2	97	0.00	0.0	5.505	0.112	8	2	2	2
PL.68279	PL.67676	A	#4 ACSR	7.43Y	123.9	0.00	1.11	1.38	1	10	2	98	0.00	0.0	5.257	0.005	0	0	0	1
PD.10239	PL.68279	A	30T	7.43Y	123.9	0.00	1.11	1.38	0	10	2	98	0.00	0.0	5.257	0.005	0	0	0	1
PL.68280	PD.10239	A	#4 ACSR	7.43Y	123.9	0.00	1.11	1.38	1	10	2	98	0.00	0.0	5.271	0.014	0	0	0	1
PL.67680	PL.68280	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	5.302	0.031	0	0	0	0
PL.67828	PL.68280	A	#4 ACSR	7.43Y	123.9	0.00	1.11	1.38	1	10	2	98	0.00	0.0	5.348	0.077	10	2	1	1
PL.68274	PL.67648	A	#4 ACSR	7.44Y	124.0	0.00	0.96	10.46	8	76	18	97	0.00	0.0	4.489	0.005	0	0	0	20
PD.10236	PL.68274	A	30T	7.44Y	124.0	0.00	0.96	10.46	0	76	18	97	0.00	0.0	4.489	0.005	0	0	0	20
PL.68273	PD.10236	A	#4 ACSR	7.44Y	124.0	0.01	0.97	10.46	8	76	18	97	0.01	0.0	4.516	0.028	5	1	1	20
PL.68020	PL.68273	A	#4 ACSR	7.44Y	124.0	0.01	0.98	9.77	8	71	17	97	0.01	0.0	4.545	0.028	4	1	2	19
PL.68019	PL.68020	A	#4 ACSR	7.44Y	124.0	0.02	1.00	9.27	7	67	16	97	0.01	0.0	4.603	0.058	7	2	2	17
PL.68025	PL.68019	A	#4 ACSR	7.44Y	124.0	0.01	1.01	3.63	3	26	6	97	0.00	0.0	4.659	0.056	2	1	3	8
PL.68024	PL.68025	A	#4 ACSR	7.44Y	124.0	0.00	1.02	3.30	3	24	6	97	0.00	0.0	4.689	0.030	4	1	1	5
PL.67747	PL.68024	A	#4 ACSR	7.44Y	124.0	0.00	1.02	2.71	2	20	5	97	0.00	0.0	4.728	0.039	6	1	1	4
PL.67746	PL.67747	A	#4 ACSR	7.44Y	124.0	0.00	1.02	1.89	1	14	3	98	0.00	0.0	4.789	0.061	14	3	3	3
PL.67649	PL.68019	A	#4 ACSR	7.44Y	124.0	0.01	1.02	4.70	4	34	8	97	0.00	0.0	4.669	0.066	7	2	2	7
PL.68021	PL.67649	A	#4 ACSR	7.44Y	124.0	0.00	1.02	3.67	3	27	6	98	0.00	0.0	4.696	0.027	9	2	2	5
PL.68022	PL.68021	A	#4 ACSR	7.44Y	124.0	0.01	1.03	2.42	2	18	4	98	0.00	0.0	4.793	0.098	9	2	1	3
PL.67656	PL.68022	A	#4 ACSR	7.44Y	124.0	0.00	1.03	1.14	1	8	2	97	0.00	0.0	4.843	0.049	0	0	0	2
PL.67657	PL.67656	A	#4 ACSR	7.44Y	124.0	0.00	1.03	1.14	1	8	2	97	0.00	0.0	4.879	0.037	8	2	2	2
PL.68200	PL.67890	B	#4 ACSR	7.46Y	124.3	0.00	0.72	12.55	10	91	22	97	0.00	0.0	3.716	0.005	0	0	0	20
PD.10174	PL.68200	B	65T	7.46Y	124.3	0.00	0.72	12.55	0	91	22	97	0.00	0.0	3.716	0.005	0	0	0	20
PL.68201	PD.10174	B	#4 ACSR	7.45Y	124.2	0.04	0.76	12.55	10	91	22	97	0.02	0.0	3.782	0.066	0	0	1	20
PL.67640	PL.68201	B	#4 ACSR	7.45Y	124.2	0.01	0.76	3.07	2	22	5	98	0.00	0.0	3.843	0.061	8	2	1	6
PL.67642	PL.67640	B	#1/0 ACSR	7.45Y	124.2	0.00	0.76	1.43	1	10	2	98	0.00	0.0	3.862	0.019	10	2	1	1

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.67591	PL.67640	B	#4 ACSR	7.45Y	124.2	0.00	0.76	0.55	0	4	1	97	0.00	0.0	3.875	0.032	4	1	4	4
PL.68028	PL.68201	B	#4 ACSR	7.45Y	124.2	0.00	0.76	0.37	0	3	1	95	0.00	0.0	3.825	0.043	3	1	1	1
PL.68029	PL.68028	B	#4 ACSR	7.45Y	124.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	3.865	0.040	0	0	0	0
PL.67641	PL.68201	B	#4 ACSR	7.45Y	124.2	0.02	0.78	9.06	7	66	16	97	0.01	0.0	3.842	0.060	4	1	2	12
PL.68030	PL.67641	B	#4 ACSR	7.45Y	124.2	0.00	0.78	1.13	1	8	2	97	0.00	0.0	3.883	0.042	8	2	1	1
PL.68060	PL.68030	B	#4 ACSR	7.45Y	124.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	3.944	0.060	0	0	0	0
PL.68061	PL.68060	B	#4 ACSR	7.45Y	124.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	3.967	0.023	0	0	0	0
PL.67644	PL.68061	B	#4 ACSR	7.45Y	124.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	4.002	0.036	0	0	0	0
PL.67643	PL.67641	B	#4 ACSR	7.45Y	124.2	0.01	0.79	4.53	3	33	8	97	0.00	0.0	3.918	0.076	6	1	2	5
PL.68031	PL.67643	B	#4 ACSR	7.45Y	124.2	0.00	0.79	2.31	2	17	4	97	0.00	0.0	3.939	0.021	17	4	2	2
PL.68032	PL.68031	B	#4 ACSR	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	3.963	0.024	0	0	0	0
PL.67647	PL.68032	B	#4 ACSR	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	3.968	0.005	0	0	0	0
PD.10252-A	PL.67647	B	Open	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	3.968	0.005	0	0	0	0
PL.67645	PL.67643	B	#4 ACSR	7.45Y	124.2	0.00	0.80	1.45	1	10	2	98	0.00	0.0	3.986	0.068	10	2	1	1
PL.68033	PL.67641	B	#4 ACSR	7.45Y	124.2	0.01	0.79	2.80	2	20	5	97	0.00	0.0	3.907	0.065	7	2	2	4
PL.68034	PL.68033	B	#4 ACSR	7.45Y	124.2	0.00	0.79	1.82	1	13	3	97	0.00	0.0	3.969	0.062	5	1	1	2
PL.67646	PL.68034	B	#4 ACSR	7.45Y	124.2	0.00	0.79	1.14	1	8	2	97	0.00	0.0	4.009	0.040	8	2	1	1
PL.68198	PL.67813	C	#1/0 ACSR	7.46Y	124.3	0.00	0.67	1.88	1	14	3	98	0.00	0.0	3.619	0.005	0	0	0	2
PD.10173	PL.68198	C	65T	7.46Y	124.3	0.00	0.67	1.88	0	14	3	98	0.00	0.0	3.619	0.005	0	0	0	2
PL.68199	PD.10173	C	#1/0 ACSR	7.46Y	124.3	0.00	0.67	1.88	1	14	3	98	0.00	0.0	3.682	0.063	12	3	1	2
PL.67593	PL.68199	C	#1/0 ACSR	7.46Y	124.3	0.00	0.67	0.22	0	2	0	100	0.00	0.0	3.741	0.059	0	0	0	1
PL.67594	PL.67593	C	#4 ACSR	7.46Y	124.3	0.00	0.67	0.22	0	2	0	100	0.00	0.0	3.797	0.056	2	0	1	1
PL.68009	PL.68008	ABC	#1/0 ACSR	7.46Y	124.4	0.00	0.62	1.53	1	31	15	90	0.00	0.0	3.566	0.035	0	0	0	1
PL.68010	PL.68009	ABC	#1/0 ACSR	7.46Y	124.4	0.00	0.62	1.53	1	31	15	90	0.00	0.0	3.583	0.016	31	15	1	1
PL.68202	PL.68008	C	#1/0 ACSR	7.46Y	124.4	0.00	0.62	1.04	0	8	2	97	0.00	0.0	3.536	0.005	0	0	0	2
PD.10175	PL.68202	C	65T	7.46Y	124.4	0.00	0.62	1.04	0	8	2	97	0.00	0.0	3.536	0.005	0	0	0	2
PL.68203	PD.10175	C	#1/0 ACSR	7.46Y	124.4	0.00	0.62	1.04	0	8	2	97	0.00	0.0	3.574	0.038	8	2	2	2
PL.68206	PL.68304	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	1.12	0	8	2	97	0.00	0.0	3.477	0.005	0	0	0	2
PD.10177	PL.68206	C	65T	7.47Y	124.4	0.00	0.58	1.12	0	8	2	97	0.00	0.0	3.477	0.005	0	0	0	2
PL.68207	PD.10177	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	1.12	0	8	2	97	0.00	0.0	3.496	0.018	8	2	2	2
PL.68205	PL.68012	A	#1/0 ACSR	7.47Y	124.5	0.00	0.53	5.11	2	37	9	97	0.00	0.0	3.404	0.005	0	0	0	7

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10176	PL.68205	A	65T	7.47Y	124.5	0.00	0.53	5.11	0	37	9	97	0.00	0.0	3.404	0.005	0	0	0	7
PL.68204	PD.10176	A	#1/0 ACSR	7.47Y	124.5	0.00	0.53	5.11	2	37	9	97	0.00	0.0	3.412	0.008	8	2	1	7
PL.68013	PL.68204	A	#4 ACSR	7.47Y	124.5	0.01	0.54	2.79	2	20	5	97	0.00	0.0	3.474	0.062	13	3	2	4
PL.68014	PL.68013	A	#4 ACSR	7.47Y	124.5	0.00	0.54	1.01	1	7	2	96	0.00	0.0	3.517	0.043	0	0	0	2
PL.67588	PL.68014	A	#1/0 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	3.603	0.086	0	0	0	0
PL.67589	PL.68014	A	#4 ACSR	7.47Y	124.5	0.00	0.54	1.01	1	7	2	96	0.00	0.0	3.587	0.070	7	2	2	2
PL.67587	PL.68014	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	3.583	0.067	0	0	0	0
PL.67577	PL.68204	A	#4 ACSR	7.47Y	124.5	0.00	0.53	1.25	1	9	2	98	0.00	0.0	3.487	0.075	9	2	2	2
PL.68267	PL.67561	C	#4 ACSR	7.48Y	124.6	0.00	0.37	2.07	2	15	4	97	0.00	0.0	3.162	0.005	0	0	0	2
PD.10233	PL.68267	C	65T	7.48Y	124.6	0.00	0.37	2.07	0	15	4	97	0.00	0.0	3.162	0.005	0	0	0	2
PL.68268	PD.10233	C	#4 ACSR	7.48Y	124.6	0.00	0.37	2.07	2	15	4	97	0.00	0.0	3.175	0.012	9	2	1	2
PL.67563	PL.68268	C	#4 ACSR	7.48Y	124.6	0.00	0.37	0.79	1	6	1	99	0.00	0.0	3.213	0.038	0	0	0	1
PL.67564	PL.67563	C	#1/0 ACSR	7.48Y	124.6	0.00	0.37	0.79	0	6	1	99	0.00	0.0	3.237	0.024	6	1	1	1
PL.68261	PL.67805	A	#4 ACSR	7.49Y	124.8	0.00	0.22	0.37	0	3	1	95	0.00	0.0	2.966	0.005	0	0	0	1
PD.10231	PL.68261	A	65T	7.49Y	124.8	0.00	0.22	0.37	0	3	1	95	0.00	0.0	2.966	0.005	0	0	0	1
PL.68262	PD.10231	A	#4 ACSR	7.49Y	124.8	0.00	0.22	0.37	0	3	1	95	0.00	0.0	3.059	0.093	3	1	1	1
PL.68259	PL.67805	C	#4 ACSR	7.49Y	124.8	0.00	0.22	0.91	1	7	2	96	0.00	0.0	2.966	0.005	0	0	0	1
PD.10230	PL.68259	C	65T	7.49Y	124.8	0.00	0.22	0.91	0	7	2	96	0.00	0.0	2.966	0.005	0	0	0	1
PL.68260	PD.10230	C	#4 ACSR	7.49Y	124.8	0.00	0.22	0.91	1	7	2	96	0.00	0.0	2.983	0.017	7	2	1	1
PL.68317	PL.67535	B	#4 ACSR	7.26Y	120.9	0.01	4.07	44.65	34	315	76	97	0.01	0.0	2.889	0.003	0	0	0	93
C PD.10260	PL.68317	B	50L	7.26Y	120.9	0.00	4.07	44.65	89	315	76	97	0.00	0.0	2.889	0.003	0	0	0	93 C
PL.68318	PD.10260	B	#1/0 ACSR	7.25Y	120.9	0.08	4.14	44.65	19	315	76	97	0.16	0.1	2.968	0.079	15	3	3	93
PL.68093	PL.68318	B	#4 ACSR	7.24Y	120.7	0.16	4.30	42.59	33	300	73	97	0.36	0.1	3.052	0.084	1	0	1	90
PL.67729	PL.68093	B	#4 ACSR	7.23Y	120.6	0.14	4.45	42.39	33	298	72	97	0.33	0.1	3.129	0.077	6	2	2	89
PL.67726	PL.67729	B	#1/0 ACSR	7.23Y	120.5	0.08	4.52	41.48	18	292	70	97	0.15	0.1	3.210	0.081	8	2	1	87
PL.67727	PL.67726	B	#1/0 ACSR	7.23Y	120.4	0.04	4.57	40.40	18	284	68	97	0.09	0.0	3.259	0.049	0	0	0	86
PL.67536	PL.67727	B	6 A (CWC)	7.23Y	120.4	0.00	4.57	1.51	1	11	3	96	0.00	0.0	3.338	0.079	6	1	2	6
PL.67537	PL.67536	B	#4 ACSR	7.23Y	120.4	0.00	4.57	0.66	1	5	1	98	0.00	0.0	3.406	0.068	5	1	4	4
PL.67728	PL.67727	B	6 A (CWC)	7.21Y	120.2	0.21	4.78	32.07	23	225	54	97	0.36	0.2	3.405	0.146	0	0	0	67
PL.68091	PL.67728	B	6 A (CWC)	7.20Y	120.0	0.20	4.97	32.07	23	225	54	97	0.34	0.2	3.542	0.137	4	1	1	67
PL.68092	PL.68091	B	6 A (CWC)	7.19Y	119.8	0.22	5.19	31.57	23	221	53	97	0.37	0.2	3.696	0.154	0	0	0	66

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67855	PL.68092	B	6 A (CWC)	7.18Y	119.7	0.11	5.31	31.57	23	221	53	97	0.19	0.1	3.776	0.080	0	0	0	66
PL.67540	PL.67855	B	6 A (CWC)	7.18Y	119.6	0.09	5.40	31.57	23	220	53	97	0.16	0.1	3.841	0.066	1	0	1	66
PL.67541	PL.67540	B	#4 ACSR	7.18Y	119.6	0.00	5.40	0.07	0	0	0	100	0.00	0.0	3.880	0.039	0	0	1	1
PL.67542	PL.67540	B	6 A (CWC)	7.16Y	119.4	0.20	5.60	31.28	22	218	52	97	0.33	0.1	3.986	0.144	12	3	6	64
PL.67544	PL.67542	B	6 A (CWC)	7.16Y	119.3	0.11	5.71	29.54	21	206	49	97	0.17	0.1	4.067	0.081	1	0	1	58
PL.67545	PL.67544	B	#4 ACSR	7.16Y	119.3	0.00	5.71	2.21	2	15	4	97	0.00	0.0	4.124	0.057	15	4	2	2
PL.67935	PL.67544	B	6 A (CWC)	7.15Y	119.2	0.09	5.80	27.24	19	190	45	97	0.13	0.1	4.143	0.076	8	2	1	55
PL.67936	PL.67935	B	6 A (CWC)	7.15Y	119.2	0.04	5.84	26.03	19	181	43	97	0.06	0.0	4.180	0.037	7	2	2	54
PL.67937	PL.67936	B	6 A (CWC)	7.15Y	119.1	0.03	5.87	25.08	18	174	42	97	0.04	0.0	4.207	0.027	0	0	0	52
PL.67546	PL.67937	B	6 A (CWC)	7.14Y	118.9	0.19	6.06	25.08	18	174	42	97	0.26	0.1	4.375	0.168	0	0	0	52
PL.67916	PL.67546	B	#4 ACSR	7.14Y	118.9	0.00	6.07	1.48	1	10	2	98	0.00	0.0	4.427	0.052	8	2	1	2
PL.67917	PL.67916	B	#4 ACSR	7.14Y	118.9	0.00	6.07	0.35	0	2	1	89	0.00	0.0	4.505	0.078	2	1	1	1
PL.67803	PL.67546	B	6 A (CWC)	7.13Y	118.9	0.02	6.09	23.60	17	164	39	97	0.03	0.0	4.395	0.021	8	2	1	50
PL.67918	PL.67803	B	6 A (CWC)	7.13Y	118.9	0.01	6.10	5.76	4	40	9	98	0.00	0.0	4.455	0.059	5	1	1	13
PL.67919	PL.67918	B	6 A (CWC)	7.13Y	118.9	0.01	6.11	4.99	4	35	8	97	0.00	0.0	4.503	0.049	11	3	6	12
PL.68004	PL.67919	B	#4 ACSR	7.13Y	118.9	0.01	6.12	2.51	2	17	4	97	0.00	0.0	4.566	0.063	5	1	3	5
PL.68003	PL.68004	B	#4 ACSR	7.13Y	118.9	0.00	6.12	1.79	1	12	3	97	0.00	0.0	4.645	0.079	12	3	2	2
PL.67875	PL.67919	B	6 A (CWC)	7.13Y	118.9	0.00	6.11	0.84	1	6	1	99	0.00	0.0	4.531	0.028	6	1	1	1
PL.67547	PL.67803	B	6 A (CWC)	7.13Y	118.9	0.05	6.14	16.75	12	116	28	97	0.05	0.0	4.467	0.071	7	2	2	36
PL.68190	PL.67547	B	6 A (CWC)	7.13Y	118.8	0.05	6.19	15.64	11	108	26	97	0.04	0.0	4.539	0.073	0	0	0	33
PD.10169	PL.68190	B	20T	7.13Y	118.8	0.00	6.19	15.64	0	108	26	97	0.00	0.0	4.539	0.073	0	0	0	33
PL.68191	PD.10169	B	6 A (CWC)	7.13Y	118.8	0.03	6.22	15.64	11	108	26	97	0.02	0.0	4.577	0.038	8	2	2	33
PL.67549	PL.68191	B	6 A (CWC)	7.12Y	118.7	0.07	6.28	12.21	9	85	20	97	0.04	0.1	4.698	0.120	0	0	0	24
PL.67856	PL.67549	B	6 A (CWC)	7.12Y	118.7	0.05	6.33	12.21	9	85	20	97	0.03	0.0	4.781	0.084	0	0	0	24
PL.67555	PL.67856	B	6 A (CWC)	7.12Y	118.7	0.00	6.33	0.58	0	4	1	97	0.00	0.0	4.888	0.106	3	1	1	2
PL.67556	PL.67555	B	#4 ACSR	7.12Y	118.7	0.00	6.33	0.21	0	1	0	100	0.00	0.0	4.931	0.043	1	0	1	1
PL.67554	PL.67856	B	6 A (CWC)	7.12Y	118.7	0.00	6.33	0.43	0	3	1	95	0.00	0.0	4.844	0.062	3	1	1	1
PL.67804	PL.67856	B	6 A (CWC)	7.12Y	118.6	0.04	6.37	11.20	8	78	18	97	0.03	0.0	4.870	0.089	6	1	2	21
PL.68083	PL.67804	B	6 A (CWC)	7.12Y	118.6	0.01	6.38	8.28	6	57	14	97	0.00	0.0	4.899	0.028	2	1	3	16
PL.68084	PL.68083	B	6 A (CWC)	7.12Y	118.6	0.01	6.40	7.96	6	55	13	97	0.01	0.0	4.937	0.038	1	0	1	13
PL.68082	PL.68084	B	#4 ACSR	7.12Y	118.6	0.02	6.41	7.87	6	54	13	97	0.01	0.0	4.997	0.060	11	3	3	12

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Balanced Voltage Drop Report
Source: McKee

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

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

PL.68088	PL.68082	B	#4 ACSR	7.11Y	118.6	0.02	6.44	6.34	5	44	10	98	0.01	0.0	5.104	0.107	18	4	3	9
PL.68089	PL.68088	B	#4 ACSR	7.11Y	118.6	0.00	6.44	3.76	3	26	6	97	0.00	0.0	5.132	0.029	6	2	1	6
PL.68085	PL.68089	B	#4 ACSR	7.11Y	118.6	0.00	6.45	2.84	2	20	5	97	0.00	0.0	5.166	0.033	6	2	2	5
PL.68086	PL.68085	B	#4 ACSR	7.11Y	118.6	0.00	6.45	1.92	1	13	3	97	0.00	0.0	5.194	0.028	4	1	1	3
PL.68087	PL.68086	B	#4 ACSR	7.11Y	118.6	0.00	6.45	1.31	1	9	2	98	0.00	0.0	5.253	0.059	9	2	2	2
PL.67557	PL.67804	B	#4 ACSR	7.12Y	118.6	0.00	6.37	2.00	2	14	3	98	0.00	0.0	4.918	0.047	14	3	3	3
PL.67550	PL.68191	B	6 A (CWC)	7.13Y	118.8	0.01	6.23	2.28	2	16	4	97	0.00	0.0	4.676	0.099	0	0	0	7
PL.67914	PL.67550	B	6 A (CWC)	7.13Y	118.8	0.00	6.23	1.76	1	12	3	97	0.00	0.0	4.704	0.028	3	1	2	6
PL.67915	PL.67914	B	6 A (CWC)	7.13Y	118.8	0.00	6.23	1.34	1	9	2	98	0.00	0.0	4.764	0.060	7	2	2	4
PL.67552	PL.67915	B	6 A (CWC)	7.13Y	118.8	0.00	6.23	0.32	0	2	1	89	0.00	0.0	4.858	0.093	0	0	0	2
PL.67857	PL.67552	B	6 A (CWC)	7.13Y	118.8	0.00	6.23	0.32	0	2	1	89	0.00	0.0	4.987	0.129	0	0	0	2
PL.67912	PL.67857	B	#4 ACSR	7.13Y	118.8	0.00	6.23	0.32	0	2	1	89	0.00	0.0	5.005	0.018	2	1	1	2
PL.67913	PL.67912	B	#4 ACSR	7.13Y	118.8	0.00	6.23	0.00	0	0	0	100	0.00	0.0	5.070	0.065	0	0	1	1
PL.67551	PL.67550	B	#4 ACSR	7.13Y	118.8	0.00	6.23	0.51	0	4	1	97	0.00	0.0	4.775	0.099	4	1	1	1
PL.67548	PL.67547	B	6 A (CWC)	7.13Y	118.9	0.00	6.14	0.16	0	1	0	100	0.00	0.0	4.513	0.046	1	0	1	1
PL.67543	PL.67542	B	#4 ACSR	7.16Y	119.4	0.00	5.60	0.00	0	0	0	100	0.00	0.0	4.060	0.074	0	0	0	0
PL.67724	PL.67727	B	6 A (CWC)	7.23Y	120.4	0.01	4.57	6.82	5	48	11	97	0.00	0.0	3.295	0.036	10	2	2	13
PL.67725	PL.67724	B	6 A (CWC)	7.23Y	120.4	0.01	4.58	5.34	4	38	9	97	0.00	0.0	3.336	0.041	22	5	7	11
PL.67723	PL.67725	B	6 A (CWC)	7.22Y	120.4	0.00	4.59	2.18	2	15	4	97	0.00	0.0	3.388	0.052	3	1	1	4
PL.67539	PL.67723	B	6 A (CWC)	7.22Y	120.4	0.00	4.59	0.31	0	2	1	89	0.00	0.0	3.497	0.109	2	1	1	1
PL.67538	PL.67723	B	6 A (CWC)	7.22Y	120.4	0.00	4.59	1.45	1	10	2	98	0.00	0.0	3.425	0.037	10	2	2	2
CP.106	PL.68325	ABC	Cap (450)	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	2.711	0.037	0	0	0	0
PL.68214	PL.68100	B	6 A (CWC)	7.27Y	121.2	0.00	3.75	0.64	0	4	1	97	0.00	0.0	2.582	0.035	0	0	0	1
PD.10207	PL.68214	B	65T	7.27Y	121.2	0.00	3.75	0.64	0	4	1	97	0.00	0.0	2.582	0.035	0	0	0	1
PL.68215	PD.10207	B	6 A (CWC)	7.27Y	121.2	0.00	3.75	0.64	0	4	1	97	0.00	0.0	2.598	0.017	4	1	1	1
PL.68183	PL.68128	ABC	#4 ACSR	7.33Y	122.2	0.01	2.81	14.73	11	293	138	90	0.03	0.0	1.557	0.021	38	18	1	8
PL.68184	PL.68183	ABC	#4 ACSR	7.33Y	122.2	0.03	2.84	12.84	10	256	119	91	0.06	0.0	1.612	0.056	0	0	0	7
PL.68125	PL.68184	ABC	#4 ACSR	7.33Y	122.1	0.02	2.86	12.84	10	256	119	91	0.04	0.0	1.647	0.034	0	0	0	7
PL.67518	PL.68125	ABC	#4 ACSR	7.33Y	122.1	0.00	2.86	5.33	4	105	51	90	0.00	0.0	1.686	0.039	105	51	1	1
PL.67519	PL.68125	ABC	#4 ACSR	7.33Y	122.1	0.00	2.86	7.51	6	150	68	91	0.00	0.0	1.661	0.015	132	64	2	6
PL.68225	PL.67519	B	#4 ACSR	7.33Y	122.1	0.01	2.86	2.53	2	18	4	98	0.00	0.0	1.707	0.046	0	0	0	4

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10213	PL.68225	B	65T	7.33Y	122.1	0.00	2.86	2.53	0	18	4	98	0.00	0.0	1.707	0.046	0	0	0	4
PL.68226	PD.10213	B	#4 ACSR	7.33Y	122.1	0.00	2.87	2.53	2	18	4	98	0.00	0.0	1.761	0.053	6	1	1	4
PL.67520	PL.68226	B	#4 ACSR	7.33Y	122.1	0.00	2.87	1.68	1	12	3	97	0.00	0.0	1.800	0.039	6	1	1	3
PL.67522	PL.67520	B	#1/0 ACSR	7.33Y	122.1	0.00	2.87	0.01	0	0	0	100	0.00	0.0	1.870	0.070	0	0	1	1
PL.67521	PL.67520	B	#1/0 ACSR	7.33Y	122.1	0.00	2.87	0.85	0	6	1	99	0.00	0.0	1.843	0.043	6	1	1	1
PL.68289	PL.67497	B	#4 ACSR	7.34Y	122.3	0.00	2.73	0.71	1	5	1	98	0.00	0.0	1.480	0.005	0	0	0	1
PD.10245	PL.68289	B	65T	7.34Y	122.3	0.00	2.73	0.71	0	5	1	98	0.00	0.0	1.480	0.005	0	0	0	1
PL.68290	PD.10245	B	#4 ACSR	7.34Y	122.3	0.00	2.73	0.71	1	5	1	98	0.00	0.0	1.596	0.116	5	1	1	1
PL.68126	PL.68290	B	#4 ACSR	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	1.600	0.004	0	0	0	0
PL.68251	PL.67878	A	#4 ACSR	7.34Y	122.4	0.00	2.60	2.41	2	17	4	97	0.00	0.0	1.379	0.005	0	0	0	4
PD.10226	PL.68251	A	65T	7.34Y	122.4	0.00	2.60	2.41	0	17	4	97	0.00	0.0	1.379	0.005	0	0	0	4
PL.68252	PD.10226	A	#4 ACSR	7.34Y	122.4	0.00	2.61	2.41	2	17	4	97	0.00	0.0	1.395	0.016	17	4	4	4
PL.67493	PL.67492	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.55	4.02	2	80	39	90	0.00	0.0	1.385	0.051	80	39	1	1
PL.68295	PL.67791	ABC	336 MCM AC	7.35Y	122.6	0.00	2.45	15.53	3	314	138	92	0.00	0.0	1.257	0.005	0	0	0	6
PD.10248	PL.68295	ABC	65T	7.35Y	122.6	0.00	2.45	15.53	0	314	138	92	0.00	0.0	1.257	0.005	0	0	0	6
PL.68296	PD.10248	ABC	336 MCM AC	7.35Y	122.5	0.01	2.46	15.53	3	314	138	92	0.02	0.0	1.351	0.094	0	0	0	6
PL.68229	PL.68296	C	#1/0 ACSR	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	1.369	0.018	0	0	0	1
PD.10215	PL.68229	C	65T	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	1.369	0.018	0	0	0	1
PL.68230	PD.10215	C	#1/0 ACSR	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	1.397	0.028	0	0	1	1
PL.67499	PL.68296	ABC	336 MCM AC	7.35Y	122.5	0.01	2.47	15.53	3	314	138	92	0.02	0.0	1.449	0.098	0	0	0	5
PL.67853	PL.67499	ABC	336 MCM AC	7.35Y	122.5	0.02	2.49	15.53	3	314	138	92	0.03	0.0	1.615	0.166	0	0	0	5
PL.68297	PL.67853	ABC	1/0 AL URD	7.35Y	122.5	0.00	2.49	0.03	0	0	-1	0	0.00	0.0	1.620	0.005	0	0	0	1
PD.10249	PL.68297	ABC	65T	7.35Y	122.5	0.00	2.49	0.03	0	0	-1	0	0.00	0.0	1.620	0.005	0	0	0	1
PL.68298	PD.10249	ABC	1/0 AL URD	7.35Y	122.5	0.00	2.49	0.03	0	0	-1	0	0.00	0.0	1.686	0.066	0	0	1	1
PL.68181	PL.67853	ABC	336 MCM AC	7.35Y	122.5	0.01	2.50	15.53	3	313	138	92	0.01	0.0	1.659	0.043	2	1	1	4
PL.68182	PL.68181	ABC	336 MCM AC	7.35Y	122.5	0.00	2.50	15.41	3	311	137	92	0.00	0.0	1.663	0.004	0	0	0	3
PL.68299	PL.68182	ABC	1/0 AL URD	7.35Y	122.5	0.00	2.50	13.07	8	260	125	90	0.00	0.0	1.667	0.005	0	0	0	1
PD.10250	PL.68299	ABC	65T	7.35Y	122.5	0.00	2.50	13.07	0	260	125	90	0.00	0.0	1.667	0.005	0	0	0	1
PL.68300	PD.10250	ABC	1/0 AL URD	7.35Y	122.5	0.00	2.51	13.07	8	260	125	90	0.01	0.0	1.697	0.030	260	126	1	1
PL.68249	PL.68182	A	1/0 AL URD	7.35Y	122.5	0.00	2.50	7.16	4	51	12	97	0.00	0.0	1.667	0.005	0	0	0	2
PD.10225	PL.68249	A	65T	7.35Y	122.5	0.00	2.50	7.16	0	51	12	97	0.00	0.0	1.667	0.005	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68250	PD.10225	A	1/0 AL URD	7.35Y	122.5	0.01	2.51	7.16	4	51	12	97	0.00	0.0	1.740	0.073	36	9	1	2
PL.68185	PL.68250	A	1/0 AL URD	7.35Y	122.5	0.00	2.51	2.14	1	15	4	97	0.00	0.0	1.770	0.030	15	4	1	1
PL.68231	PL.67791	A	6 A (CWC)	7.35Y	122.6	0.00	2.45	8.66	6	62	15	97	0.00	0.0	1.257	0.005	0	0	0	16
PD.10216	PL.68231	A	65T	7.35Y	122.6	0.00	2.45	8.66	0	62	15	97	0.00	0.0	1.257	0.005	0	0	0	16
PL.68232	PD.10216	A	6 A (CWC)	7.35Y	122.5	0.01	2.46	8.66	6	62	15	97	0.00	0.0	1.300	0.043	62	15	16	16
PL.68243	PL.68308	C	#4 ACSR	7.37Y	122.9	0.00	2.14	0.01	0	0	0	100	0.00	0.0	1.091	0.005	0	0	0	1
PD.10222	PL.68243	C	65T	7.37Y	122.9	0.00	2.14	0.01	0	0	0	100	0.00	0.0	1.091	0.005	0	0	0	1
PL.68244	PD.10222	C	#4 ACSR	7.37Y	122.9	0.00	2.14	0.01	0	0	0	100	0.00	0.0	1.147	0.056	0	0	0	1
PL.68151	PL.68244	C	#4 ACSR	7.37Y	122.9	0.00	2.14	0.01	0	0	0	100	0.00	0.0	1.176	0.029	0	0	1	1
PL.67487	McKee	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	80.27	15	1714	570	95	0.00	0.0	0.006	0.006	0	0	0	205
PL.72501	PL.67487	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	80.27	15	1714	570	95	0.00	0.0	0.008	0.002	0	0	0	205

----- Feeder No. 5 (McKee F5) Beginning with Device PD.10786 -----

PD.10786	PL.72501	ABC	400VWE	7.50Y	125.0	0.00	0.00	80.27	0	1714	570	95	0.00	0.0	0.008	0.002	0	0	0	205
PL.72502	PD.10786	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	80.27	15	1714	570	95	0.01	0.0	0.017	0.009	0	0	0	205
PL.67374	PL.72502	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	34.30	7	734	240	95	0.01	0.0	0.070	0.053	0	0	0	110
PL.67398	PL.67374	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	34.30	7	734	240	95	0.00	0.0	0.092	0.022	0	0	0	110
PL.67399	PL.67398	ABC	397 SPACER	7.50Y	125.0	0.00	0.02	34.30	7	734	240	95	0.00	0.0	0.124	0.032	0	0	0	110
PL.67420	PL.67399	ABC	397 SPACER	7.50Y	125.0	0.00	0.02	34.30	7	734	240	95	0.00	0.0	0.148	0.024	4	1	1	110
PL.67421	PL.67420	ABC	397 SPACER	7.50Y	125.0	0.00	0.02	34.12	7	730	239	95	0.00	0.0	0.167	0.019	0	0	0	109
PL.67427	PL.67421	ABC	397 SPACER	7.50Y	125.0	0.01	0.03	34.12	7	730	239	95	0.01	0.0	0.239	0.073	6	1	1	109
PL.67428	PL.67427	ABC	397 SPACER	7.50Y	125.0	0.00	0.03	33.87	7	724	237	95	0.00	0.0	0.269	0.029	0	0	0	108
PL.67377	PL.67428	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	33.87	7	724	237	95	0.01	0.0	0.303	0.034	45	11	4	108
PL.67378	PL.67377	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	31.83	6	679	227	95	0.01	0.0	0.344	0.041	7	2	5	104
PL.67443	PL.67378	ABC	336 MCM AC	7.50Y	125.0	0.01	0.05	30.73	6	655	221	95	0.02	0.0	0.374	0.031	58	28	1	88
PL.67444	PL.67443	ABC	336 MCM AC	7.50Y	124.9	0.00	0.05	27.90	5	597	193	95	0.00	0.0	0.381	0.006	11	5	1	87
PL.67429	PL.67444	ABC	336 MCM AC	7.50Y	124.9	0.01	0.06	27.36	5	586	187	95	0.02	0.0	0.412	0.031	100	43	8	86
PL.67445	PL.67429	ABC	336 MCM AC	7.50Y	124.9	0.00	0.06	22.53	4	486	144	96	0.01	0.0	0.431	0.019	88	21	33	78
PL.67446	PL.67445	ABC	336 MCM AC	7.50Y	124.9	0.00	0.06	18.52	4	398	124	95	0.01	0.0	0.458	0.028	0	0	0	45
PL.67409	PL.67446	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	18.52	4	398	124	95	0.01	0.0	0.491	0.033	0	0	0	45

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67475	PL.67409	ABC	#4 ACSR	7.50Y	124.9	0.00	0.07	5.80	4	121	48	93	0.00	0.0	0.496	0.005	0	0	0	2
PD.10158	PL.67475	ABC	65T	7.50Y	124.9	0.00	0.07	5.80	0	121	48	93	0.00	0.0	0.496	0.005	0	0	0	2
PL.67476	PD.10158	ABC	#4 ACSR	7.50Y	124.9	0.00	0.07	5.80	4	121	48	93	0.00	0.0	0.500	0.005	121	48	2	2
PL.67410	PL.67409	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	12.76	2	277	75	97	0.00	0.0	0.508	0.017	61	15	8	43
PL.67407	PL.67410	A	#4 ACSR	7.50Y	124.9	0.01	0.08	13.11	10	96	23	97	0.01	0.0	0.528	0.020	0	0	0	23
PL.67469	PL.67407	A	#4 ACSR	7.50Y	124.9	0.00	0.08	4.48	3	33	8	97	0.00	0.0	0.533	0.005	0	0	0	15
PD.10155	PL.67469	A	65T	7.50Y	124.9	0.00	0.08	4.48	0	33	8	97	0.00	0.0	0.533	0.005	0	0	0	15
PL.67470	PD.10155	A	#4 ACSR	7.49Y	124.9	0.01	0.09	4.48	3	33	8	97	0.00	0.0	0.570	0.037	16	4	7	15
PL.67382	PL.67470	A	#4 ACSR	7.49Y	124.9	0.00	0.09	2.29	2	17	4	97	0.00	0.0	0.599	0.029	17	4	8	8
PL.67473	PL.67407	A	#4 ACSR	7.50Y	124.9	0.00	0.08	8.63	7	63	15	97	0.00	0.0	0.533	0.005	0	0	0	8
PD.10157	PL.67473	A	65T	7.50Y	124.9	0.00	0.08	8.63	0	63	15	97	0.00	0.0	0.533	0.005	0	0	0	8
PL.67474	PD.10157	A	#4 ACSR	7.49Y	124.9	0.00	0.09	8.63	7	63	15	97	0.00	0.0	0.557	0.025	63	15	8	8
PL.67447	PL.67410	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	5.58	1	120	38	95	0.00	0.0	0.552	0.043	28	7	2	12
PL.67448	PL.67447	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	4.32	1	92	31	95	0.00	0.0	0.569	0.017	13	3	1	10
PL.72576	PL.67448	ABC	500 MCM AL	7.50Y	124.9	0.00	0.07	-0.01	0	0	0	100	0.00	0.0	0.581	0.012	0	0	0	0
PL.67438	PL.67448	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	3.73	1	79	28	94	0.00	0.0	0.590	0.021	40	9	8	9
PL.67449	PL.67438	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	1.94	0	39	19	90	0.00	0.0	0.626	0.035	39	19	1	1
PL.67450	PL.67449	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	0.647	0.022	0	0	0	0
PL.66523	PL.67450	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	0.652	0.005	0	0	0	0
PD.10163-A	PL.66523	ABC	Open	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	0.652	0.005	0	0	0	0
PL.67379	PL.67378	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	0.60	0	13	3	97	0.00	0.0	0.387	0.043	0	0	0	10
PL.67380	PL.67379	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	0.60	0	13	3	97	0.00	0.0	0.434	0.047	0	0	0	10
PL.67381	PL.67380	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	0.60	0	13	3	97	0.00	0.0	0.483	0.049	0	0	0	10
PL.67471	PL.67381	C	#4 ACSR	7.50Y	125.0	0.00	0.04	1.80	1	13	3	97	0.00	0.0	0.487	0.004	0	0	0	10
PD.10156	PL.67471	C	65T	7.50Y	125.0	0.00	0.04	1.80	0	13	3	97	0.00	0.0	0.487	0.004	0	0	0	10
PL.67472	PD.10156	C	#4 ACSR	7.50Y	125.0	0.00	0.04	1.80	1	13	3	97	0.00	0.0	0.496	0.009	13	3	10	10
PL.67463	PL.67378	A	#4 ACSR	7.50Y	125.0	0.00	0.04	0.51	0	4	1	97	0.00	0.0	0.355	0.011	0	0	0	1
PD.10152	PL.67463	A	50T	7.50Y	125.0	0.00	0.04	0.51	0	4	1	97	0.00	0.0	0.355	0.011	0	0	0	1
PL.67464	PD.10152	A	#4 ACSR	7.50Y	125.0	0.00	0.04	0.51	0	4	1	97	0.00	0.0	0.436	0.081	0	0	0	1
PL.67404	PL.67464	A	#4 ACSR	7.50Y	125.0	0.00	0.05	0.51	0	4	1	97	0.00	0.0	0.596	0.160	4	1	1	1
PL.67375	PL.72502	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	45.97	9	980	330	95	0.00	0.0	0.019	0.002	0	0	0	95

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: McKee

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

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

PL.67424	PL.67375	ABC	336 MCM AC	7.50Y	125.0	0.02	0.03	45.97	9	980	330	95	0.12	0.0	0.087	0.068	9	2	3	95
PL.67425	PL.67424	ABC	336 MCM AC	7.50Y	125.0	0.01	0.04	45.58	9	971	328	95	0.07	0.0	0.125	0.038	0	0	0	92
PL.67426	PL.67425	C	#4 ACSR	7.50Y	125.0	0.00	0.05	3.64	3	27	6	98	0.00	0.0	0.153	0.028	4	1	2	7
PL.67411	PL.67426	C	#4 ACSR	7.50Y	124.9	0.01	0.05	3.03	2	22	5	98	0.00	0.0	0.198	0.045	0	0	0	5
PD.10150	PL.67411	C	65T	7.50Y	124.9	0.00	0.05	3.03	0	22	5	98	0.00	0.0	0.198	0.045	0	0	0	5
PL.67460	PD.10150	C	#4 ACSR	7.50Y	124.9	0.00	0.06	3.03	2	22	5	98	0.00	0.0	0.223	0.025	22	5	5	5
PL.67391	PL.67425	ABC	336 MCM AC	7.50Y	124.9	0.03	0.07	44.37	9	945	321	95	0.13	0.0	0.203	0.078	0	0	0	85
PL.67461	PL.67391	A	#4 ACSR	7.50Y	124.9	0.00	0.07	2.21	2	16	4	97	0.00	0.0	0.208	0.005	0	0	0	4
PD.10151	PL.67461	A	65T	7.50Y	124.9	0.00	0.07	2.21	0	16	4	97	0.00	0.0	0.208	0.005	0	0	0	4
PL.67462	PD.10151	A	#4 ACSR	7.50Y	124.9	0.00	0.07	2.21	2	16	4	97	0.00	0.0	0.251	0.043	16	4	4	4
PL.67392	PL.67391	ABC	336 MCM AC	7.49Y	124.9	0.01	0.08	43.64	8	929	317	95	0.06	0.0	0.241	0.038	0	0	1	81
PL.67376	PL.67392	ABC	336 MCM AC	7.49Y	124.9	0.02	0.10	43.64	8	929	317	95	0.10	0.0	0.301	0.060	3	1	1	80
PL.67393	PL.67376	ABC	336 MCM AC	7.49Y	124.9	0.01	0.11	43.50	8	926	316	95	0.04	0.0	0.328	0.027	9	2	3	79
PL.67422	PL.67393	ABC	336 MCM AC	7.49Y	124.9	0.01	0.12	43.10	8	917	314	95	0.03	0.0	0.349	0.021	0	0	0	76
PL.67423	PL.67422	ABC	336 MCM AC	7.49Y	124.9	0.01	0.13	43.10	8	916	314	95	0.03	0.0	0.367	0.018	5	1	2	76
PL.67456	PL.67423	ABC	336 MCM AC	7.49Y	124.9	0.01	0.14	42.85	8	911	313	95	0.04	0.0	0.393	0.025	32	8	1	74
PL.67457	PL.67456	ABC	336 MCM AC	7.49Y	124.9	0.00	0.14	41.39	8	879	305	94	0.01	0.0	0.399	0.006	0	0	0	73
PL.67479	PL.67457	B	#1/0 ACSR	7.49Y	124.9	0.00	0.14	23.11	10	168	40	97	0.00	0.0	0.402	0.003	0	0	0	29
PD.10165	PL.67479	B	50L	7.49Y	124.9	0.00	0.14	23.11	46	168	40	97	0.00	0.0	0.402	0.003	0	0	0	29
PL.67480	PD.10165	B	#1/0 ACSR	7.49Y	124.8	0.02	0.16	23.11	10	168	40	97	0.02	0.0	0.444	0.042	17	4	2	29
PL.67433	PL.67480	B	#1/0 ACSR	7.49Y	124.8	0.01	0.17	20.76	9	151	36	97	0.01	0.0	0.471	0.027	12	3	1	27
PL.66520	PL.67433	B	#1/0 ACSR	7.49Y	124.8	0.02	0.19	19.14	8	139	33	97	0.02	0.0	0.517	0.047	8	2	1	26
PL.66521	PL.66520	B	#1/0 ACSR	7.49Y	124.8	0.00	0.19	2.01	1	15	3	98	0.00	0.0	0.545	0.027	15	3	3	3
PL.67434	PL.66520	B	#1/0 ACSR	7.49Y	124.8	0.02	0.21	16.01	7	117	28	97	0.01	0.0	0.570	0.053	6	1	1	22
PL.67435	PL.67434	B	#1/0 ACSR	7.49Y	124.8	0.02	0.23	15.20	7	111	26	97	0.01	0.0	0.630	0.060	36	9	2	21
PL.67432	PL.67435	B	#1/0 ACSR	7.49Y	124.8	0.01	0.23	10.26	4	75	18	97	0.00	0.0	0.659	0.030	6	1	1	19
PL.66530	PL.67432	B	#1/0 ACSR	7.49Y	124.8	0.01	0.25	9.47	4	69	16	97	0.01	0.0	0.727	0.068	6	1	1	18
PL.67396	PL.66530	B	#1/0 ACSR	7.48Y	124.7	0.03	0.28	8.63	4	63	15	97	0.01	0.0	0.879	0.152	0	0	0	16
PL.67401	PL.67396	B	#1/0 ACSR	7.48Y	124.7	0.03	0.30	8.63	4	63	15	97	0.01	0.0	1.015	0.136	0	0	0	16
PL.67402	PL.67401	B	#1/0 ACSR	7.48Y	124.7	0.01	0.32	8.63	4	63	15	97	0.01	0.0	1.086	0.071	0	0	0	16
PL.67388	PL.67402	B	#1/0 ACSR	7.48Y	124.6	0.03	0.35	8.63	4	63	15	97	0.01	0.0	1.253	0.167	0	0	0	16

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.67403	PL.67388	B	#1/0 ACSR	7.48Y	124.6	0.03	0.38	8.63	4	63	15	97	0.01	0.0	1.382	0.129	0	0	0	16
PL.67390	PL.67403	B	#1/0 ACSR	7.48Y	124.6	0.00	0.38	1.61	1	12	3	97	0.00	0.0	1.440	0.058	12	3	2	2
PL.67397	PL.67403	B	#1/0 ACSR	7.48Y	124.6	0.00	0.38	7.03	3	51	12	97	0.00	0.0	1.408	0.025	0	0	0	14
PL.67389	PL.67397	B	#1/0 ACSR	7.48Y	124.6	0.00	0.38	0.83	0	6	1	99	0.00	0.0	1.438	0.030	6	1	1	1
PL.67387	PL.67397	B	#1/0 ACSR	7.48Y	124.6	0.01	0.39	6.20	3	45	11	97	0.00	0.0	1.496	0.088	5	1	1	13
PL.67419	PL.67387	B	#1/0 ACSR	7.48Y	124.6	0.01	0.40	5.48	2	40	9	98	0.00	0.0	1.543	0.047	6	2	1	12
PL.67418	PL.67419	B	#1/0 ACSR	7.48Y	124.6	0.01	0.41	4.59	2	33	8	97	0.00	0.0	1.661	0.118	0	0	0	11
PL.67416	PL.67418	B	6 A (CWC)	7.48Y	124.6	0.00	0.41	1.60	1	12	3	97	0.00	0.0	1.728	0.067	3	1	1	4
PL.67417	PL.67416	B	6 A (CWC)	7.47Y	124.6	0.01	0.42	1.22	1	9	2	98	0.00	0.0	1.863	0.136	0	0	0	3
PL.67386	PL.67417	B	#4 ACSR	7.47Y	124.6	0.00	0.42	1.22	1	9	2	98	0.00	0.0	1.979	0.116	9	2	3	3
PL.67414	PL.67418	B	#1/0 ACSR	7.48Y	124.6	0.00	0.41	2.99	1	22	5	98	0.00	0.0	1.702	0.041	12	3	2	7
PL.67415	PL.67414	B	#1/0 ACSR	7.48Y	124.6	0.00	0.41	1.35	1	10	2	98	0.00	0.0	1.736	0.034	3	1	2	5
PL.67385	PL.67415	B	#4 ACSR	7.48Y	124.6	0.00	0.41	0.19	0	1	0	100	0.00	0.0	1.778	0.043	1	0	1	1
PL.66531	PL.67415	B	#4 ACSR	7.48Y	124.6	0.00	0.41	0.68	1	5	1	98	0.00	0.0	1.777	0.041	5	1	2	2
PL.67467	PL.66530	B	#4 ACSR	7.49Y	124.8	0.00	0.25	0.00	0	0	0	100	0.00	0.0	0.732	0.005	0	0	0	1
PD.10154	PL.67467	B	20T	7.49Y	124.8	0.00	0.25	0.00	0	0	0	100	0.00	0.0	0.732	0.005	0	0	0	1
PL.67468	PD.10154	B	#4 ACSR	7.49Y	124.8	0.00	0.25	0.00	0	0	0	100	0.00	0.0	0.765	0.033	0	0	0	1
PL.67436	PL.67468	B	#4 ACSR	7.49Y	124.8	0.00	0.25	0.00	0	0	0	100	0.00	0.0	0.885	0.120	0	0	1	1
PL.67437	PL.67436	B	#4 ACSR	7.49Y	124.8	0.00	0.25	0.00	0	0	0	100	0.00	0.0	0.961	0.076	0	0	0	0
PL.66519	PL.67433	B	#4 ACSR	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.553	0.083	0	0	0	0
PL.67394	PL.67457	ABC	336 MCM AC	7.49Y	124.9	0.00	0.14	33.73	6	710	265	94	0.01	0.0	0.409	0.010	0	0	0	44
PL.67383	PL.67394	ABC	#4 ACSR	7.49Y	124.9	0.00	0.14	5.39	4	111	49	91	0.00	0.0	0.412	0.003	0	0	0	7
PD.10161	PL.67383	ABC	65T	7.49Y	124.9	0.00	0.14	5.39	0	111	49	91	0.00	0.0	0.412	0.003	0	0	0	7
PL.67395	PD.10161	ABC	#4 ACSR	7.49Y	124.9	0.00	0.14	5.39	4	111	49	91	0.00	0.0	0.414	0.003	111	49	7	7
PL.67412	PL.67394	ABC	336 MCM AC	7.49Y	124.9	0.00	0.14	28.35	5	600	216	94	0.00	0.0	0.411	0.002	0	0	0	37
PL.67413	PL.67412	ABC	336 MCM AC	7.49Y	124.8	0.01	0.15	28.35	5	600	216	94	0.04	0.0	0.468	0.057	0	0	0	37
PL.67430	PL.67413	ABC	336 MCM AC	7.49Y	124.8	0.01	0.16	25.32	5	533	200	94	0.02	0.0	0.507	0.039	0	0	0	31
PL.67431	PL.67430	ABC	336 MCM AC	7.49Y	124.8	0.01	0.17	25.32	5	533	200	94	0.03	0.0	0.559	0.052	12	3	3	31
PL.66522	PL.67431	ABC	336 MCM AC	7.49Y	124.8	0.01	0.18	24.77	5	521	197	94	0.03	0.0	0.613	0.054	0	0	0	28
PL.66524	PL.66522	ABC	336 MCM AC	7.49Y	124.8	0.00	0.19	24.77	5	521	197	94	0.01	0.0	0.623	0.010	0	0	0	28
PD.10164-A	PL.66524	ABC	Closed	7.49Y	124.8	0.00	0.19	24.77	0	521	197	94	0.00	0.0	0.623	0.010	0	0	0	28

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10164-B	PD.10164-A	ABC	Closed	7.49Y	124.8	0.00	0.19	24.77	0	521	197	94	0.00	0.0	0.623	0.010	0	0	0	28
PL.67405	PD.10164-B	ABC	336 MCM AC	7.49Y	124.8	0.00	0.19	24.77	5	521	197	94	0.00	0.0	0.628	0.005	18	4	2	28
PL.67451	PL.67405	ABC	336 MCM AC	7.49Y	124.8	0.01	0.19	23.95	5	502	192	93	0.01	0.0	0.655	0.027	58	26	3	26
PL.67452	PL.67451	ABC	336 MCM AC	7.49Y	124.8	0.01	0.20	21.12	4	444	166	94	0.03	0.0	0.726	0.071	15	4	2	23
PL.67439	PL.67452	ABC	336 MCM AC	7.49Y	124.8	0.01	0.21	20.43	4	429	162	94	0.01	0.0	0.768	0.042	0	0	0	21
PL.67477	PL.67439	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.21	19.53	8	409	158	93	0.00	0.0	0.772	0.005	0	0	0	18
PD.10159	PL.67477	ABC	65T	7.49Y	124.8	0.00	0.21	19.53	0	409	158	93	0.00	0.0	0.772	0.005	0	0	0	18
PL.67478	PD.10159	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.23	19.53	8	409	158	93	0.04	0.0	0.813	0.041	0	0	0	18
PL.67453	PL.67478	ABC	#4 ACSR	7.49Y	124.8	0.01	0.24	19.53	15	409	158	93	0.03	0.0	0.830	0.017	150	73	1	18
PL.67454	PL.67453	ABC	#4 ACSR	7.49Y	124.8	0.01	0.25	12.15	9	259	85	95	0.02	0.0	0.854	0.023	42	10	1	17
PL.67455	PL.67454	ABC	#4 ACSR	7.48Y	124.7	0.00	0.25	10.21	8	217	75	95	0.01	0.0	0.863	0.010	12	3	2	16
PL.67440	PL.67455	ABC	#4 ACSR	7.48Y	124.7	0.01	0.26	9.65	7	204	72	94	0.01	0.0	0.889	0.026	26	6	5	14
PL.67441	PL.67440	ABC	#4 ACSR	7.48Y	124.7	0.01	0.27	8.45	6	178	66	94	0.01	0.0	0.909	0.020	22	5	3	9
PL.67442	PL.67441	ABC	#4 ACSR	7.48Y	124.7	0.01	0.28	7.45	6	156	60	93	0.01	0.0	0.953	0.044	95	46	1	6
PL.66528	PL.67442	C	#4 ACSR	7.48Y	124.7	0.00	0.28	2.87	2	21	5	97	0.00	0.0	0.962	0.009	21	5	2	2
PL.66529	PL.67442	A	#4 ACSR	7.48Y	124.7	0.00	0.28	5.48	4	40	9	98	0.00	0.0	0.970	0.017	40	9	3	3
PL.66527	PL.67478	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	0.830	0.017	0	0	0	0
PL.66525	PL.67439	ABC	336 MCM AC	7.49Y	124.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.827	0.059	0	0	0	0
PD.10162-A	PL.66525	ABC	Open	7.49Y	124.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.827	0.059	0	0	0	0
PL.66526	PL.67439	A	#4 ACSR	7.49Y	124.8	0.00	0.21	2.72	2	20	5	97	0.00	0.0	0.783	0.016	20	5	3	3
PL.67408	PL.67405	ABC	336 MCM AC	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.632	0.005	0	0	0	0
PD.10163-B	PL.67408	ABC	Open	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.632	0.005	0	0	0	0
PL.67465	PL.67413	C	#4 ACSR	7.49Y	124.8	0.00	0.16	3.52	3	26	6	97	0.00	0.0	0.473	0.005	0	0	0	3
PD.10153	PL.67465	C	65T	7.49Y	124.8	0.00	0.16	3.52	0	26	6	97	0.00	0.0	0.473	0.005	0	0	0	3
PL.67466	PD.10153	C	#4 ACSR	7.49Y	124.8	0.00	0.16	3.52	3	26	6	97	0.00	0.0	0.486	0.013	26	6	3	3
PL.67384	PL.67413	ABC	#4 ACSR	7.49Y	124.8	0.00	0.16	1.88	1	41	10	97	0.00	0.0	0.473	0.005	0	0	0	3
PD.10160	PL.67384	ABC	65T	7.49Y	124.8	0.00	0.16	1.88	0	41	10	97	0.00	0.0	0.473	0.005	0	0	0	3
PL.67400	PD.10160	ABC	#4 ACSR	7.49Y	124.8	0.00	0.16	1.88	1	41	10	97	0.00	0.0	0.478	0.006	41	10	3	3

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

Balanced Voltage Drop Report
Source: McKee

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total	
KW	10676	0	0	0	0	0	150		0.00	10826	Lowest Voltage = 118.55 on Element PL.68087
KVAR	3276	0	0	-3	0	0	297			3570	Max Accm VoltD = 6.45 on Element PL.68087 Max Elem VoltD = 0.31 on Element PL.67852