

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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
Rice Station		ABC	SRC-Rice S	7.50Y	125.0	0.00	0.00	617.50	0	13197	4346	95	0.00	0.0	0.000	0.000	0	0	0	3074
PL.26948	Rice Station	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	252.74	49	5407	1763	95	0.32	0.0	0.006	0.006	0	0	0	1492
PL.33026	PL.26948	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	252.74	49	5406	1762	95	0.17	0.0	0.009	0.003	0	0	0	1492
----- Feeder No. 2 (Station Camp F2) Beginning with Device PD.4870 -----																				
PD.4870	PL.33026	ABC	380VWE	7.50Y	125.0	0.00	0.02	252.74	0	5406	1761	95	0.00	0.0	0.009	0.003	0	0	0	1492
PL.33027	PD.4870	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	252.74	49	5406	1761	95	0.16	0.0	0.012	0.003	6	1	2	1492
PL.26222	PL.33027	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.030	0.018	0	0	0	0
PL.27125	PL.33027	ABC	336 MCM AC	7.49Y	124.9	0.11	0.13	252.47	49	5400	1760	95	2.88	0.1	0.066	0.054	9	2	1	1490
PL.27126	PL.27125	ABC	336 MCM AC	7.48Y	124.7	0.12	0.25	252.06	49	5388	1751	95	3.38	0.1	0.129	0.063	0	0	0	1489
PL.27127	PL.27126	ABC	336 MCM AC	7.48Y	124.6	0.12	0.38	252.06	49	5385	1743	95	3.40	0.1	0.192	0.063	0	0	0	1489
PL.26223	PL.27127	ABC	336 MCM AC	7.46Y	124.3	0.29	0.67	252.06	49	5382	1735	95	7.90	0.1	0.340	0.148	0	0	0	1489
PL.26750	PL.26223	ABC	336 MCM AC	7.45Y	124.1	0.21	0.88	252.06	49	5374	1716	95	5.75	0.1	0.447	0.107	0	0	0	1489
PL.26749	PL.26750	ABC	336 MCM AC	7.44Y	124.0	0.10	0.98	252.06	49	5368	1703	95	2.61	0.0	0.496	0.049	0	0	0	1489
PL.26430	PL.26749	ABC	336 MCM AC	7.43Y	123.9	0.16	1.14	252.06	49	5365	1697	95	4.39	0.1	0.578	0.082	0	0	0	1489
PL.26224	PL.26430	ABC	336 MCM AC	7.41Y	123.6	0.28	1.42	252.06	49	5361	1687	95	7.78	0.1	0.723	0.145	0	0	0	1489
PL.26751	PL.26224	ABC	336 MCM AC	7.41Y	123.5	0.10	1.52	252.06	49	5353	1668	95	2.84	0.1	0.776	0.053	0	0	0	1489
PL.27544	PL.26751	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	1.74	1	13	3	97	0.00	0.0	0.780	0.004	0	0	0	2
PD.3689	PL.27544	C	65T	7.41Y	123.5	0.00	1.52	1.74	0	13	3	97	0.00	0.0	0.780	0.004	0	0	0	2
PL.27545	PD.3689	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	1.74	1	13	3	97	0.00	0.0	0.835	0.054	5	1	1	2
PL.26225	PL.27545	C	#4 ACSR	7.41Y	123.5	0.00	1.53	1.10	1	8	2	97	0.00	0.0	0.854	0.019	8	2	1	1
PL.26582	PL.26751	ABC	336 MCM AC	7.39Y	123.2	0.28	1.80	251.48	48	5338	1659	95	7.76	0.1	0.922	0.146	0	0	0	1487
PL.26752	PL.26582	ABC	336 MCM AC	7.38Y	123.1	0.14	1.95	251.48	48	5330	1641	96	3.94	0.1	0.996	0.074	0	0	0	1487
PL.26583	PL.26752	ABC	336 MCM AC	7.36Y	122.7	0.35	2.29	251.48	48	5326	1631	96	9.60	0.2	1.176	0.180	0	0	0	1486
PL.26755	PL.26583	ABC	336 MCM AC	7.35Y	122.5	0.25	2.54	251.48	48	5316	1609	96	6.90	0.1	1.306	0.130	0	0	0	1486
PL.26756	PL.26755	ABC	336 MCM AC	7.34Y	122.3	0.12	2.66	251.48	48	5310	1593	96	3.32	0.1	1.368	0.062	0	0	0	1486
PL.27542	PL.26756	C	#4 ACSR	7.34Y	122.3	0.00	2.66	2.46	2	18	4	98	0.00	0.0	1.373	0.005	0	0	0	6
PD.3688	PL.27542	C	65T	7.34Y	122.3	0.00	2.66	2.46	0	18	4	98	0.00	0.0	1.373	0.005	0	0	0	6
PL.27543	PD.3688	C	#4 ACSR	7.34Y	122.3	0.00	2.67	2.46	2	18	4	98	0.00	0.0	1.419	0.047	4	1	1	6
PL.26855	PL.27543	C	#4 ACSR	7.34Y	122.3	0.00	2.67	1.90	1	14	3	98	0.00	0.0	1.457	0.038	1	0	1	5
PL.26854	PL.26855	C	#4 ACSR	7.34Y	122.3	0.01	2.68	1.82	1	13	3	97	0.00	0.0	1.616	0.158	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

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27128	PL.26854	C	#4 ACSR	7.34Y	122.3	0.01	2.69	1.82	1	13	3	97	0.00	0.0	1.718	0.102	0	0	1	4
PL.27129	PL.27128	C	#4 ACSR	7.34Y	122.3	0.00	2.69	1.82	1	13	3	97	0.00	0.0	1.764	0.046	0	0	0	3
PL.26252	PL.27129	C	#4 ACSR	7.34Y	122.3	0.00	2.70	1.39	1	10	2	98	0.00	0.0	1.875	0.111	10	2	2	2
PL.26585	PL.27129	C	#4 ACSR	7.34Y	122.3	0.00	2.70	0.42	0	3	1	95	0.00	0.0	1.832	0.068	3	1	1	1
PL.26584	PL.26756	ABC	336 MCM AC	7.33Y	122.2	0.17	2.84	242.59	47	5116	1537	96	4.68	0.1	1.463	0.094	0	0	0	1452
PL.27540	PL.26584	C	#4 ACSR	7.33Y	122.2	0.00	2.84	0.85	1	6	1	99	0.00	0.0	1.467	0.005	0	0	0	2
PD.3687	PL.27540	C	40T	7.33Y	122.2	0.00	2.84	0.85	0	6	1	99	0.00	0.0	1.467	0.005	0	0	0	2
PL.27541	PD.3687	C	#4 ACSR	7.33Y	122.2	0.00	2.84	0.85	1	6	1	99	0.00	0.0	1.508	0.041	6	1	2	2
PL.26591	PL.26584	ABC	336 MCM AC	7.32Y	122.0	0.15	2.98	242.31	47	5105	1525	96	3.97	0.1	1.543	0.080	0	0	0	1450
PL.27576	PL.26591	C	#4 ACSR	7.32Y	122.0	0.00	2.98	1.25	1	9	2	98	0.00	0.0	1.547	0.005	0	0	0	1
PD.3706	PL.27576	C	65T	7.32Y	122.0	0.00	2.98	1.25	0	9	2	98	0.00	0.0	1.547	0.005	0	0	0	1
PL.27577	PD.3706	C	#4 ACSR	7.32Y	122.0	0.00	2.99	1.25	1	9	2	98	0.00	0.0	1.579	0.031	9	2	1	1
PL.26592	PL.26591	ABC	336 MCM AC	7.31Y	121.9	0.14	3.12	241.89	47	5093	1513	96	3.69	0.1	1.618	0.075	10	3	2	1449
PL.26593	PL.26592	ABC	336 MCM AC	7.31Y	121.8	0.05	3.17	241.31	46	5077	1502	96	1.39	0.0	1.646	0.028	0	0	0	1446
PL.26743	PL.26593	ABC	336 MCM AC	7.30Y	121.6	0.18	3.35	241.31	46	5075	1498	96	4.74	0.1	1.743	0.097	0	0	0	1446
PL.27512	PL.26743	C	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.25	0	2	0	100	0.00	0.0	1.747	0.004	0	0	0	1
PD.3674	PL.27512	C	15T	7.30Y	121.6	0.00	3.35	0.25	0	2	0	100	0.00	0.0	1.747	0.004	0	0	0	1
PL.27513	PD.3674	C	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.25	0	2	0	100	0.00	0.0	1.815	0.069	2	0	1	1
PL.27460	PL.26743	A	6 A (CWC)	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	1.747	0.004	0	0	0	0
PD.3647	PL.27460	A	40T	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	1.747	0.004	0	0	0	0
PL.27461	PD.3647	A	6 A (CWC)	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	1.850	0.103	0	0	0	0
PL.27091	PL.26743	ABC	336 MCM AC	7.29Y	121.5	0.15	3.50	241.23	46	5069	1487	96	3.99	0.1	1.824	0.082	6	2	1	1445
PL.27092	PL.27091	ABC	336 MCM AC	7.29Y	121.4	0.07	3.57	240.93	46	5058	1476	96	1.84	0.0	1.862	0.038	2	0	2	1444
PL.27510	PL.27092	C	6 A (CWC)	7.29Y	121.4	0.00	3.57	14.75	11	104	26	97	0.00	0.0	1.866	0.004	0	0	0	26
PD.3673	PL.27510	C	65T	7.29Y	121.4	0.00	3.57	14.75	0	104	26	97	0.00	0.0	1.866	0.004	0	0	0	26
PL.27511	PD.3673	C	6 A (CWC)	7.29Y	121.4	0.01	3.58	14.75	11	104	26	97	0.01	0.0	1.886	0.020	0	0	0	26
PL.26234	PL.27511	C	#1/0 ACSR	7.28Y	121.4	0.00	3.58	1.59	1	11	3	96	0.00	0.0	1.916	0.030	11	3	3	3
PL.26945	PL.27511	C	6 A (CWC)	7.28Y	121.4	0.05	3.64	13.16	9	93	23	97	0.04	0.0	1.976	0.091	0	0	0	23
PL.27840	PL.26945	C	6 A (CWC)	7.28Y	121.4	0.00	3.64	13.16	9	93	23	97	0.00	0.0	1.979	0.003	0	0	0	23
PD.3840	PL.27840	C	35L	7.28Y	121.4	0.00	3.64	13.16	38	93	23	97	0.00	0.0	1.979	0.003	0	0	0	23
PL.27841	PD.3840	C	6 A (CWC)	7.28Y	121.3	0.02	3.66	13.16	9	93	23	97	0.01	0.0	2.008	0.029	2	0	1	23

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Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26239	PL.27841	C	6 A (CWC)	7.28Y	121.3	0.00	3.66	2.50	2	18	4	98	0.00	0.0	2.061	0.053	18	4	3	3
PL.26240	PL.27841	C	6 A (CWC)	7.28Y	121.3	0.01	3.67	6.51	5	46	11	97	0.00	0.0	2.051	0.043	0	0	0	13
PL.26594	PL.26240	C	6 A (CWC)	7.28Y	121.3	0.02	3.69	5.04	4	36	9	97	0.00	0.0	2.131	0.080	8	2	4	10
PL.26246	PL.26594	C	#4 ACSR	7.28Y	121.3	0.00	3.69	1.58	1	11	3	96	0.00	0.0	2.157	0.026	11	3	3	3
PL.26247	PL.26594	C	#4 ACSR	7.28Y	121.3	0.00	3.69	2.27	2	16	4	97	0.00	0.0	2.197	0.066	16	4	3	3
PL.26244	PL.26240	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.55	0	4	1	97	0.00	0.0	2.067	0.016	4	1	1	1
PL.26245	PL.26240	C	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.91	1	6	2	95	0.00	0.0	2.097	0.046	6	2	2	2
PL.26237	PL.27841	C	6 A (CWC)	7.28Y	121.3	0.01	3.67	3.92	3	28	7	97	0.00	0.0	2.092	0.084	4	1	1	6
PL.27044	PL.26237	C	6 A (CWC)	7.28Y	121.3	0.00	3.67	3.35	2	24	6	97	0.00	0.0	2.129	0.036	8	2	1	5
PL.27045	PL.27044	C	6 A (CWC)	7.28Y	121.3	0.01	3.69	2.25	2	16	4	97	0.00	0.0	2.261	0.132	0	0	0	4
PL.26758	PL.27045	C	6 A (CWC)	7.28Y	121.3	0.01	3.70	2.25	2	16	4	97	0.00	0.0	2.419	0.158	3	1	2	4
PL.26242	PL.26758	C	#2 ACSR	7.28Y	121.3	0.00	3.71	1.87	1	13	3	97	0.00	0.0	2.456	0.037	0	0	0	2
PL.26243	PL.26242	C	#2 ACSR	7.28Y	121.3	0.00	3.71	0.35	0	2	1	89	0.00	0.0	2.504	0.048	2	1	1	1
PL.26595	PL.26242	C	#2 ACSR	7.28Y	121.3	0.00	3.71	1.52	1	11	3	96	0.00	0.0	2.477	0.021	11	3	1	1
PL.26241	PL.26237	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	2.122	0.029	0	0	0	0
PL.26946	PL.27092	ABC	336 MCM AC	7.28Y	121.4	0.07	3.64	232.90	45	4886	1429	96	1.93	0.0	1.904	0.042	14	3	4	1402
PL.27085	PL.26946	ABC	336 MCM AC	7.27Y	121.2	0.12	3.76	232.10	45	4867	1420	96	3.16	0.1	1.974	0.070	2	1	2	1397
PL.27086	PL.27085	ABC	336 MCM AC	7.27Y	121.2	0.06	3.82	231.99	45	4862	1413	96	1.47	0.0	2.006	0.033	11	3	2	1395
PL.26596	PL.27086	ABC	336 MCM AC	7.27Y	121.1	0.09	3.91	230.51	44	4829	1401	96	2.34	0.0	2.059	0.052	1	0	3	1386
PL.27083	PL.26596	ABC	336 MCM AC	7.26Y	121.0	0.08	3.99	230.48	44	4826	1396	96	1.97	0.0	2.103	0.044	8	2	3	1383
PL.27084	PL.27083	ABC	336 MCM AC	7.26Y	121.0	0.05	4.04	230.08	44	4815	1389	96	1.40	0.0	2.134	0.031	2	0	1	1380
PL.27082	PL.27084	ABC	336 MCM AC	7.25Y	120.9	0.10	4.14	230.00	44	4812	1385	96	2.48	0.1	2.190	0.056	9	2	2	1379
PL.27062	PL.27082	ABC	336 MCM AC	7.25Y	120.8	0.11	4.25	228.46	44	4777	1371	96	2.75	0.1	2.253	0.063	11	3	1	1372
PL.27063	PL.27062	ABC	336 MCM AC	7.24Y	120.7	0.04	4.29	227.93	44	4763	1362	96	1.04	0.0	2.276	0.024	6	2	1	1371
PL.27060	PL.27063	ABC	336 MCM AC	7.24Y	120.6	0.08	4.37	226.07	44	4723	1350	96	2.10	0.0	2.325	0.049	4	1	1	1353
PL.27061	PL.27060	ABC	336 MCM AC	7.23Y	120.5	0.09	4.46	225.89	44	4717	1344	96	2.27	0.0	2.378	0.053	0	0	1	1352
PL.27494	PL.27061	ABC	336 MCM AC	7.23Y	120.4	0.11	4.57	225.88	44	4715	1339	96	2.79	0.1	2.443	0.065	0	0	0	1351
PL.27495	PL.27494	ABC	336 MCM AC	7.23Y	120.4	0.01	4.57	225.88	44	4712	1332	96	0.16	0.0	2.447	0.004	5	1	2	1351
PL.27786	PL.27495	A	#2 ACSR	7.23Y	120.4	0.00	4.57	1.01	1	7	2	96	0.00	0.0	2.451	0.004	0	0	0	1
PD.3815	PL.27786	A	40T	7.23Y	120.4	0.00	4.57	1.01	0	7	2	96	0.00	0.0	2.451	0.004	0	0	0	1
PL.27787	PD.3815	A	#2 ACSR	7.23Y	120.4	0.00	4.57	1.01	1	7	2	96	0.00	0.0	2.468	0.017	0	0	0	1

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PL.27068	PL.27787	A	#2 ACSR	7.23Y	120.4	0.00	4.58	1.01	1	7	2	96	0.00	0.0	2.485	0.018	7	2	1	1
PL.27496	PL.27495	C	#4 ACSR	7.23Y	120.4	0.00	4.57	1.58	1	11	3	96	0.00	0.0	2.451	0.004	0	0	0	2
PD.3665	PL.27496	C	65T	7.23Y	120.4	0.00	4.57	1.58	0	11	3	96	0.00	0.0	2.451	0.004	0	0	0	2
PL.27497	PD.3665	C	#4 ACSR	7.23Y	120.4	0.00	4.58	1.58	1	11	3	96	0.00	0.0	2.477	0.026	2	1	1	2
PL.27067	PL.27497	C	#4 ACSR	7.23Y	120.4	0.00	4.58	1.29	1	9	2	98	0.00	0.0	2.511	0.034	9	2	1	1
PL.27065	PL.27495	ABC	336 MCM AC	7.22Y	120.3	0.09	4.66	224.78	43	4689	1326	96	2.21	0.0	2.499	0.052	2	1	2	1346
PL.27066	PL.27065	ABC	336 MCM AC	7.22Y	120.3	0.07	4.73	224.67	43	4684	1320	96	1.73	0.0	2.540	0.041	13	3	4	1344
PL.26947	PL.27066	ABC	336 MCM AC	7.21Y	120.2	0.03	4.76	223.77	43	4663	1312	96	0.87	0.0	2.560	0.021	4	1	1	1339
PL.26952	PL.26947	ABC	336 MCM AC	7.21Y	120.1	0.15	4.91	223.58	43	4659	1309	96	3.76	0.1	2.650	0.090	17	4	5	1337
PL.27850	PL.26952	ABC	#1/0 ACSR	7.20Y	120.0	0.05	4.96	54.32	24	1138	291	97	0.39	0.0	2.700	0.050	0	0	0	331
PL.27851	PL.27850	ABC	#1/0 ACSR	7.20Y	120.0	0.04	5.00	54.32	24	1137	291	97	0.32	0.0	2.740	0.041	5	1	3	331
PL.27052	PL.27851	ABC	#1/0 ACSR	7.20Y	120.0	0.02	5.02	54.07	24	1132	289	97	0.16	0.0	2.761	0.021	4	1	2	328
PL.27792	PL.27052	A	6 A (CWC)	7.20Y	120.0	0.00	5.02	5.00	4	35	9	97	0.00	0.0	2.765	0.004	0	0	0	11
PD.3817	PL.27792	A	40T	7.20Y	120.0	0.00	5.02	5.00	0	35	9	97	0.00	0.0	2.765	0.004	0	0	0	11
PL.27793	PD.3817	A	6 A (CWC)	7.20Y	120.0	0.01	5.03	5.00	4	35	9	97	0.00	0.0	2.798	0.033	0	0	0	11
PL.27048	PL.27793	A	6 A (CWC)	7.20Y	120.0	0.01	5.04	5.00	4	35	9	97	0.00	0.0	2.877	0.079	14	4	5	11
PL.26285	PL.27048	A	#4 ACSR	7.20Y	119.9	0.01	5.05	2.23	2	16	4	97	0.00	0.0	2.948	0.072	0	0	0	3
PL.26287	PL.26285	A	#2 ACSR	7.20Y	119.9	0.00	5.05	0.90	1	6	2	95	0.00	0.0	2.971	0.023	6	2	1	1
PL.26288	PL.26285	A	#1/0 ACSR	7.20Y	119.9	0.00	5.05	1.09	0	8	2	97	0.00	0.0	2.985	0.037	8	2	1	1
PL.26286	PL.26285	A	#1/0 ACSR	7.20Y	119.9	0.00	5.05	0.25	0	2	0	100	0.00	0.0	3.047	0.099	2	0	1	1
PL.26284	PL.27048	A	6 A (CWC)	7.20Y	120.0	0.00	5.04	0.70	0	5	1	98	0.00	0.0	2.923	0.047	5	1	3	3
PL.27488	PL.27052	C	#1/0 ACSR	7.20Y	120.0	0.00	5.02	0.41	0	3	1	95	0.00	0.0	2.765	0.004	0	0	0	1
PD.3662	PL.27488	C	15T	7.20Y	120.0	0.00	5.02	0.41	0	3	1	95	0.00	0.0	2.765	0.004	0	0	0	1
PL.27489	PD.3662	C	#1/0 ACSR	7.20Y	120.0	0.00	5.02	0.41	0	3	1	95	0.00	0.0	2.835	0.070	3	1	1	1
PL.27049	PL.27052	ABC	#1/0 ACSR	7.20Y	119.9	0.06	5.08	52.08	23	1090	278	97	0.43	0.0	2.821	0.060	8	2	2	314
PL.27050	PL.27049	ABC	#1/0 ACSR	7.19Y	119.9	0.07	5.14	51.71	22	1081	276	97	0.51	0.0	2.893	0.072	20	5	4	312
PL.66163	PL.27050	ABC	#1/0 ACSR	7.19Y	119.9	0.00	5.14	50.77	22	1061	271	97	0.01	0.0	2.895	0.002	0	0	0	308
PD.9999	PL.66163	ABC	100L	7.19Y	119.9	0.00	5.14	50.77	51	1061	271	97	0.00	0.0	2.895	0.002	0	0	0	308
PL.66164	PD.9999	ABC	#1/0 ACSR	7.19Y	119.8	0.04	5.18	50.77	22	1061	271	97	0.30	0.0	2.940	0.045	7	2	3	308
PL.27029	PL.66164	ABC	#1/0 ACSR	7.18Y	119.7	0.09	5.27	50.41	22	1053	269	97	0.67	0.1	3.039	0.099	11	3	4	305
PL.26604	PL.27029	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.31	49.30	21	1030	262	97	0.28	0.0	3.082	0.043	3	1	3	298

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27470	PL.26604	C	6 A (CWC)	7.18Y	119.7	0.00	5.31	3.30	2	23	6	97	0.00	0.0	3.088	0.005	0	0	0	5
PD.3653	PL.27470	C	20T	7.18Y	119.7	0.00	5.31	3.30	0	23	6	97	0.00	0.0	3.088	0.005	0	0	0	5
PL.27471	PD.3653	C	6 A (CWC)	7.18Y	119.7	0.01	5.32	3.30	2	23	6	97	0.00	0.0	3.156	0.068	13	3	2	5
PL.26290	PL.27471	C	6 A (CWC)	7.18Y	119.7	0.01	5.33	1.41	1	10	2	98	0.00	0.0	3.325	0.170	7	2	2	3
PL.26291	PL.26290	C	#4 ACSR	7.18Y	119.7	0.00	5.33	0.33	0	2	1	89	0.00	0.0	3.379	0.054	0	0	0	1
PL.26292	PL.26291	C	#1/0 ACSR	7.18Y	119.7	0.00	5.33	0.33	0	2	1	89	0.00	0.0	3.532	0.153	2	1	1	1
PL.26289	PL.26604	ABC	#1/0 ACSR	7.18Y	119.6	0.08	5.39	48.08	21	1004	256	97	0.56	0.1	3.174	0.092	4	1	2	290
PL.27518	PL.26289	A	#2 ACSR	7.18Y	119.6	0.00	5.39	1.40	1	10	2	98	0.00	0.0	3.178	0.005	0	0	0	1
PD.3677	PL.27518	A	30T	7.18Y	119.6	0.00	5.39	1.40	0	10	2	98	0.00	0.0	3.178	0.005	0	0	0	1
PL.27519	PD.3677	A	#2 ACSR	7.18Y	119.6	0.00	5.39	1.40	1	10	2	98	0.00	0.0	3.192	0.013	10	2	1	1
PL.27055	PL.26289	ABC	#1/0 ACSR	7.18Y	119.6	0.02	5.41	47.43	21	990	252	97	0.15	0.0	3.198	0.024	5	1	3	287
PL.27056	PL.27055	ABC	#1/0 ACSR	7.17Y	119.6	0.04	5.45	47.22	21	985	250	97	0.25	0.0	3.241	0.042	1	0	1	284
PL.27484	PL.27056	C	#4 ACSR	7.17Y	119.6	0.00	5.45	2.01	2	14	3	98	0.00	0.0	3.245	0.005	0	0	0	4
PD.3660	PL.27484	C	20T	7.17Y	119.6	0.00	5.45	2.01	0	14	3	98	0.00	0.0	3.245	0.005	0	0	0	4
PL.27485	PD.3660	C	#4 ACSR	7.17Y	119.6	0.00	5.45	2.01	2	14	3	98	0.00	0.0	3.267	0.022	9	2	2	4
PL.26293	PL.27485	C	#4 ACSR	7.17Y	119.6	0.00	5.45	0.33	0	2	1	89	0.00	0.0	3.370	0.103	2	1	1	1
PL.27053	PL.27485	C	#4 ACSR	7.17Y	119.6	0.00	5.45	0.44	0	3	1	95	0.00	0.0	3.280	0.013	0	0	0	1
PL.27054	PL.27053	C	#4 ACSR	7.17Y	119.6	0.00	5.45	0.44	0	3	1	95	0.00	0.0	3.345	0.065	3	1	1	1
PL.27046	PL.27056	ABC	#1/0 ACSR	7.17Y	119.5	0.07	5.52	46.50	20	970	246	97	0.52	0.1	3.331	0.090	3	1	1	279
PL.27047	PL.27046	ABC	#1/0 ACSR	7.17Y	119.4	0.05	5.57	46.34	20	966	245	97	0.33	0.0	3.388	0.058	3	1	1	278
PL.26598	PL.27047	ABC	#1/0 ACSR	7.16Y	119.4	0.06	5.62	46.01	20	959	243	97	0.38	0.0	3.456	0.068	10	2	1	276
PL.27482	PL.26598	A	#4 ACSR	7.16Y	119.4	0.00	5.62	2.52	2	17	4	97	0.00	0.0	3.460	0.004	0	0	0	3
PD.3659	PL.27482	A	40T	7.16Y	119.4	0.00	5.62	2.52	0	17	4	97	0.00	0.0	3.460	0.004	0	0	0	3
PL.27483	PD.3659	A	#4 ACSR	7.16Y	119.4	0.01	5.63	2.52	2	17	4	97	0.00	0.0	3.551	0.090	0	0	0	3
PL.27026	PL.27483	A	#2 ACSR	7.16Y	119.4	0.00	5.64	2.52	1	17	4	97	0.00	0.0	3.573	0.022	10	3	2	3
PL.27027	PL.27026	A	#2 ACSR	7.16Y	119.4	0.00	5.64	1.05	1	7	2	96	0.00	0.0	3.652	0.080	7	2	1	1
PL.26599	PL.26598	ABC	#1/0 ACSR	7.16Y	119.3	0.06	5.68	44.69	19	931	236	97	0.38	0.0	3.528	0.072	11	3	3	272
PL.27039	PL.26599	ABC	#1/0 ACSR	7.15Y	119.2	0.09	5.77	43.15	19	898	227	97	0.56	0.1	3.643	0.115	24	6	3	265
PL.27040	PL.27039	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.79	42.01	18	874	221	97	0.13	0.0	3.670	0.028	0	0	0	262
PL.27476	PL.27040	A	6 A (CWC)	7.15Y	119.2	0.00	5.79	1.53	1	11	3	96	0.00	0.0	3.675	0.005	0	0	0	4
PD.3656	PL.27476	A	40T	7.15Y	119.2	0.00	5.79	1.53	0	11	3	96	0.00	0.0	3.675	0.005	0	0	0	4

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27477	PD.3656	A	6 A (CWC)	7.15Y	119.2	0.00	5.79	1.53	1	11	3	96	0.00	0.0	3.736	0.061	11	3	4	4
PL.27041	PL.27040	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.81	41.50	18	863	218	97	0.11	0.0	3.694	0.024	2	0	1	258
PL.27042	PL.27041	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.83	41.41	18	861	218	97	0.15	0.0	3.728	0.034	12	3	2	257
PL.27043	PL.27042	ABC	#1/0 ACSR	7.15Y	119.1	0.03	5.86	40.83	18	849	214	97	0.19	0.0	3.770	0.042	7	2	1	255
PL.27474	PL.27043	C	#2 ACSR	7.15Y	119.1	0.00	5.86	1.02	1	7	2	96	0.00	0.0	3.774	0.004	0	0	0	1
PD.3655	PL.27474	C	40T	7.15Y	119.1	0.00	5.86	1.02	0	7	2	96	0.00	0.0	3.774	0.004	0	0	0	1
PL.27475	PD.3655	C	#2 ACSR	7.15Y	119.1	0.00	5.86	1.02	1	7	2	96	0.00	0.0	3.821	0.046	7	2	1	1
PL.27023	PL.27043	ABC	#1/0 ACSR	7.15Y	119.1	0.03	5.89	40.17	17	835	211	97	0.19	0.0	3.815	0.044	9	2	1	253
PL.27024	PL.27023	ABC	#1/0 ACSR	7.14Y	119.1	0.04	5.93	39.71	17	826	208	97	0.21	0.0	3.865	0.050	11	3	2	252
PL.27022	PL.27024	ABC	#1/0 ACSR	7.14Y	119.0	0.05	5.97	39.20	17	815	205	97	0.27	0.0	3.932	0.067	0	0	0	250
PL.26600	PL.27022	ABC	#1/0 ACSR	7.14Y	119.0	0.05	6.03	38.17	17	793	200	97	0.29	0.0	4.007	0.076	0	0	0	245
PL.27866	PL.26600	ABC	#1/0 ACSR	7.13Y	118.9	0.08	6.10	38.17	17	793	200	97	0.45	0.1	4.122	0.115	0	0	0	245
PL.27867	PL.27866	ABC	#1/0 ACSR	7.13Y	118.8	0.12	6.22	38.17	17	792	199	97	0.66	0.1	4.293	0.171	0	0	0	245
PL.26601	PL.27867	ABC	#1/0 ACSR	7.12Y	118.7	0.05	6.27	29.29	13	607	152	97	0.21	0.0	4.386	0.093	4	1	2	183
PL.26943	PL.26601	ABC	#1/0 ACSR	7.12Y	118.7	0.03	6.30	15.27	7	317	79	97	0.07	0.0	4.494	0.107	0	0	0	95
PL.27464	PL.26943	C	#1/0 ACSR	7.12Y	118.7	0.00	6.30	2.22	1	15	4	97	0.00	0.0	4.498	0.005	0	0	0	2
PD.3649	PL.27464	C	30T	7.12Y	118.7	0.00	6.30	2.22	0	15	4	97	0.00	0.0	4.498	0.005	0	0	0	2
PL.27465	PD.3649	C	#1/0 ACSR	7.12Y	118.7	0.00	6.30	2.22	1	15	4	97	0.00	0.0	4.645	0.147	15	4	2	2
PL.26944	PL.26943	ABC	#1/0 ACSR	7.12Y	118.7	0.02	6.32	14.52	6	301	75	97	0.05	0.0	4.577	0.084	0	0	0	93
PL.26760	PL.26944	ABC	#1/0 ACSR	7.12Y	118.7	0.03	6.35	14.52	6	301	75	97	0.06	0.0	4.681	0.103	0	0	0	93
PL.27013	PL.26760	ABC	#1/0 ACSR	7.12Y	118.6	0.01	6.36	14.52	6	301	75	97	0.03	0.0	4.738	0.058	11	3	1	93
PL.27014	PL.27013	ABC	#1/0 ACSR	7.12Y	118.6	0.01	6.37	14.01	6	290	72	97	0.02	0.0	4.787	0.048	14	3	3	92
PL.27010	PL.27014	ABC	#1/0 ACSR	7.12Y	118.6	0.00	6.38	13.35	6	277	69	97	0.01	0.0	4.806	0.020	0	0	0	89
PL.27802	PL.27010	C	1/0 AL URD	7.12Y	118.6	0.00	6.38	18.52	11	128	32	97	0.00	0.0	4.811	0.005	0	0	0	27
PD.3822	PL.27802	C	20T	7.12Y	118.6	0.00	6.38	18.52	0	128	32	97	0.00	0.0	4.811	0.005	0	0	0	27
PL.27803	PD.3822	C	1/0 AL URD	7.12Y	118.6	0.03	6.41	18.52	11	128	32	97	0.03	0.0	4.861	0.050	0	0	0	27
PL.27452	PL.27803	C	1/0 AL URD	7.11Y	118.6	0.01	6.42	18.52	11	128	32	97	0.01	0.0	4.879	0.018	1	0	2	27
PL.27453	PL.27452	C	1/0 AL URD	7.11Y	118.6	0.02	6.44	18.37	11	127	32	97	0.02	0.0	4.914	0.035	0	0	0	25
PL.26306	PL.27453	C	1/0 AL URD	7.11Y	118.5	0.01	6.45	18.37	11	127	32	97	0.01	0.0	4.938	0.024	10	3	2	25
PL.27440	PL.26306	C	1/0 AL URD	7.11Y	118.5	0.01	6.47	16.89	10	117	29	97	0.01	0.0	4.967	0.029	6	1	2	23
PL.27450	PL.27440	C	1/0 AL URD	7.11Y	118.5	0.01	6.48	16.07	9	111	28	97	0.01	0.0	4.994	0.028	15	4	2	21

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27451	PL.27450	C	1/0 AL URD	7.11Y	118.5	0.01	6.49	13.91	8	96	24	97	0.01	0.0	5.023	0.029	8	2	1	19
PL.27447	PL.27451	C	1/0 AL URD	7.11Y	118.5	0.01	6.50	12.81	8	88	22	97	0.00	0.0	5.039	0.016	9	2	2	18
PL.27448	PL.27447	C	1/0 AL URD	7.11Y	118.5	0.02	6.51	11.51	7	79	20	97	0.01	0.0	5.083	0.044	9	2	1	16
PL.27449	PL.27448	C	1/0 AL URD	7.11Y	118.5	0.01	6.53	10.26	6	71	18	97	0.01	0.0	5.122	0.039	9	2	1	15
PL.27445	PL.27449	C	1/0 AL URD	7.11Y	118.5	0.01	6.54	8.96	5	62	15	97	0.01	0.0	5.173	0.052	9	2	2	14
PL.27446	PL.27445	C	1/0 AL URD	7.11Y	118.5	0.01	6.55	7.70	5	53	13	97	0.00	0.0	5.206	0.033	7	2	2	12
PL.27441	PL.27446	C	1/0 AL URD	7.11Y	118.5	0.00	6.55	3.15	2	22	5	98	0.00	0.0	5.236	0.030	6	1	2	4
PL.27442	PL.27441	C	1/0 AL URD	7.11Y	118.5	0.00	6.55	2.29	1	16	4	97	0.00	0.0	5.258	0.023	16	4	2	2
PL.27443	PL.27446	C	1/0 AL URD	7.11Y	118.5	0.00	6.55	3.49	2	24	6	97	0.00	0.0	5.226	0.019	16	4	4	6
PL.27444	PL.27443	C	1/0 AL URD	7.11Y	118.5	0.00	6.55	1.18	1	8	2	97	0.00	0.0	5.249	0.024	8	2	2	2
PL.27800	PL.27010	C	1/0 AL URD	7.12Y	118.6	0.00	6.38	5.49	3	38	9	97	0.00	0.0	4.808	0.002	0	0	0	6
PD.3821	PL.27800	C	20T	7.12Y	118.6	0.00	6.38	5.49	0	38	9	97	0.00	0.0	4.808	0.002	0	0	0	6
PL.27801	PD.3821	C	1/0 AL URD	7.12Y	118.6	0.00	6.38	5.49	3	38	9	97	0.00	0.0	4.810	0.002	9	2	2	6
PL.27438	PL.27801	C	1/0 AL URD	7.12Y	118.6	0.01	6.38	4.16	2	29	7	97	0.00	0.0	4.865	0.054	12	3	2	4
PL.27439	PL.27438	C	1/0 AL URD	7.12Y	118.6	0.00	6.39	2.45	1	17	4	97	0.00	0.0	4.913	0.049	17	4	2	2
PL.27462	PL.27010	A	#4 ACSR	7.12Y	118.6	0.00	6.38	16.06	12	111	28	97	0.00	0.0	4.811	0.005	0	0	0	56
PD.3648	PL.27462	A	40T	7.12Y	118.6	0.00	6.38	16.06	0	111	28	97	0.00	0.0	4.811	0.005	0	0	0	56
PL.27463	PD.3648	A	#4 ACSR	7.12Y	118.6	0.03	6.41	16.06	12	111	28	97	0.02	0.0	4.850	0.039	0	0	0	56
PL.26303	PL.27463	A	#4 ACSR	7.11Y	118.6	0.01	6.42	3.12	2	22	5	98	0.00	0.0	4.930	0.080	8	2	3	6
PL.26304	PL.26303	A	#4 ACSR	7.11Y	118.6	0.00	6.42	0.63	0	4	1	97	0.00	0.0	4.990	0.059	4	1	1	1
PL.26305	PL.26303	A	#1/0 ACSR	7.11Y	118.6	0.00	6.42	1.27	1	9	2	98	0.00	0.0	5.099	0.169	9	2	2	2
PL.27011	PL.27463	A	#4 ACSR	7.11Y	118.6	0.02	6.42	12.94	10	89	22	97	0.01	0.0	4.885	0.035	30	7	15	50
PL.27012	PL.27011	A	#4 ACSR	7.11Y	118.6	0.01	6.43	8.66	7	60	15	97	0.00	0.0	4.912	0.027	60	15	35	35
PL.26294	PL.26601	B	6 A (CWC)	7.12Y	118.7	0.01	6.28	41.50	30	287	72	97	0.02	0.0	4.390	0.004	0	0	0	86
PD.3651	PL.26294	B	40T	7.12Y	118.7	0.00	6.28	41.50	0	287	72	97	0.00	0.0	4.390	0.004	0	0	0	86
PL.27020	PD.3651	B	6 A (CWC)	7.11Y	118.6	0.17	6.44	41.33	30	286	72	97	0.37	0.1	4.481	0.091	6	2	1	84
REG77	PL.27020	B	76.2 KVA	7.54Y	125.6	-7.07	-0.62	40.46	40	279	70	97	percent Boost= 0.00 Tap= 0.0							83
PL.27021	REG77	B	6 A (CWC)	7.54Y	125.6	0.03	-0.59	38.18	27	279	70	97	0.07	0.0	4.501	0.020	15	4	3	83
PL.26296	PL.27021	B	6 A (CWC)	7.53Y	125.4	0.15	-0.44	34.95	25	255	64	97	0.28	0.1	4.596	0.095	3	1	1	78
PL.26603	PL.26296	B	6 A (CWC)	7.52Y	125.4	0.02	-0.41	7.34	5	54	13	97	0.01	0.0	4.684	0.087	23	6	4	11
PL.27033	PL.26603	B	6 A (CWC)	7.52Y	125.4	0.01	-0.41	4.15	3	30	8	97	0.00	0.0	4.728	0.044	8	2	2	7

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27034	PL.27033	B	6 A (CWC)	7.52Y	125.4	0.00	-0.40	3.09	2	23	6	97	0.00	0.0	4.766	0.038	10	2	2	5
PL.27036	PL.27034	B	6 A (CWC)	7.52Y	125.4	0.00	-0.40	1.73	1	13	3	97	0.00	0.0	4.811	0.045	6	2	2	3
PL.27037	PL.27036	B	6 A (CWC)	7.52Y	125.4	0.00	-0.40	0.84	1	6	2	95	0.00	0.0	4.843	0.032	6	2	1	1
PL.27035	PL.27037	B	6 A (CWC)	7.52Y	125.4	0.00	-0.40	0.00	0	0	0	100	0.00	0.0	4.870	0.028	0	0	0	0
PL.26299	PL.26296	B	#4 ACSR	7.53Y	125.4	0.00	-0.44	0.79	1	6	1	99	0.00	0.0	4.633	0.036	6	1	1	1
PL.26300	PL.26296	B	#4 ACSR	7.52Y	125.3	0.12	-0.32	26.44	20	193	48	97	0.17	0.1	4.700	0.103	0	0	0	65
PL.26759	PL.26300	B	#4 ACSR	7.51Y	125.2	0.12	-0.20	26.44	20	193	48	97	0.17	0.1	4.800	0.100	0	0	0	65
PL.26301	PL.26759	B	#4 ACSR	7.51Y	125.2	0.00	-0.20	1.03	1	8	2	97	0.00	0.0	4.859	0.059	8	2	1	1
PL.27008	PL.26759	B	#4 ACSR	7.51Y	125.1	0.11	-0.09	25.41	20	185	46	97	0.15	0.1	4.899	0.099	5	1	1	64
PL.27009	PL.27008	B	#4 ACSR	7.50Y	125.1	0.03	-0.06	24.66	19	180	45	97	0.04	0.0	4.930	0.030	0	0	0	63
PL.26998	PL.27009	B	#4 ACSR	7.50Y	125.0	0.02	-0.03	4.86	4	35	9	97	0.01	0.0	5.051	0.121	10	3	3	7
PL.27004	PL.26998	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	3.45	3	25	6	97	0.00	0.0	5.078	0.027	13	3	2	4
PL.27005	PL.27004	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	1.71	1	12	3	97	0.00	0.0	5.103	0.025	12	3	2	2
PL.26942	PL.27009	B	#4 ACSR	7.50Y	125.0	0.05	-0.01	13.46	10	98	24	97	0.03	0.0	5.009	0.079	0	0	0	47
PL.27006	PL.26942	B	#2 ACSR	7.50Y	125.0	0.00	-0.01	6.97	4	51	13	97	0.00	0.0	5.026	0.017	24	6	14	29
PL.27007	PL.27006	B	#2 ACSR	7.50Y	125.0	0.00	-0.00	3.74	2	27	7	97	0.00	0.0	5.051	0.025	27	7	15	15
PL.26999	PL.26942	B	#4 ACSR	7.50Y	125.0	0.00	-0.00	3.65	3	27	7	97	0.00	0.0	5.036	0.027	5	1	1	5
PL.27000	PL.26999	B	#4 ACSR	7.50Y	125.0	0.00	-0.00	2.97	2	22	5	98	0.00	0.0	5.062	0.026	22	5	4	4
PL.26302	PL.26942	B	#2 ACSR	7.50Y	125.0	0.00	-0.01	2.84	2	21	5	97	0.00	0.0	5.043	0.034	21	5	13	13
PL.27001	PL.27009	B	#4 ACSR	7.50Y	125.0	0.02	-0.03	6.33	5	46	11	97	0.01	0.0	5.016	0.086	12	3	2	9
PL.27002	PL.27001	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	4.71	4	34	9	97	0.00	0.0	5.042	0.026	22	6	4	7
PL.27003	PL.27002	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	1.65	1	12	3	97	0.00	0.0	5.066	0.024	12	3	3	3
PL.26297	PL.27021	B	#1/0 ACSR	7.54Y	125.6	0.00	-0.59	0.33	0	2	1	89	0.00	0.0	4.532	0.031	2	1	1	1
PL.26298	PL.27021	B	#4 ACSR	7.54Y	125.6	0.00	-0.59	0.80	1	6	1	99	0.00	0.0	4.548	0.047	6	1	1	1
PL.26295	PD.3651	B	#4 ACSR	7.12Y	118.7	0.00	6.28	0.17	0	1	0	100	0.00	0.0	4.472	0.081	1	0	2	2
PL.27466	PL.27867	C	#1/0 ACSR	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	4.297	0.004	0	0	0	1
PD.3650	PL.27466	C	40T	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	4.297	0.004	0	0	0	1
PL.27467	PD.3650	C	#1/0 ACSR	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	4.324	0.027	0	0	1	1
PL.27798	PL.27867	A	6 A (CWC)	7.13Y	118.8	0.00	6.23	26.63	19	184	46	97	0.01	0.0	4.297	0.004	0	0	0	61
PD.3820	PL.27798	A	40T	7.13Y	118.8	0.00	6.23	26.63	0	184	46	97	0.00	0.0	4.297	0.004	0	0	0	61
PL.65816	PD.3820	A	6 A (CWC)	7.12Y	118.7	0.12	6.35	26.63	19	184	46	97	0.17	0.1	4.398	0.101	3	1	1	61

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.65817	PL.65816	A	6 A (CWC)	7.12Y	118.6	0.05	6.39	26.24	19	181	45	97	0.07	0.0	4.439	0.040	2	1	1	60
PL.27025	PL.65817	A	6 A (CWC)	7.11Y	118.4	0.18	6.58	25.95	19	179	45	97	0.26	0.1	4.596	0.157	0	0	0	59
PL.27018	PL.27025	A	#4 ACSR	7.10Y	118.4	0.05	6.62	25.95	20	179	45	97	0.06	0.0	4.637	0.041	12	3	1	59
PL.27019	PL.27018	A	#4 ACSR	7.10Y	118.3	0.06	6.68	24.14	19	166	42	97	0.07	0.0	4.689	0.053	6	2	1	58
PL.27017	PL.27019	A	#4 ACSR	7.10Y	118.3	0.04	6.72	23.21	18	160	40	97	0.05	0.0	4.730	0.041	19	5	6	57
PL.26308	PL.27017	A	#4 ACSR	7.10Y	118.3	0.02	6.74	2.79	2	19	5	97	0.00	0.0	4.883	0.152	0	0	0	2
PL.26310	PL.26308	A	#4 ACSR	7.10Y	118.3	0.00	6.74	0.99	1	7	2	96	0.00	0.0	4.964	0.081	7	2	1	1
PL.26311	PL.26308	A	#4 ACSR	7.10Y	118.3	0.00	6.74	1.80	1	12	3	97	0.00	0.0	4.910	0.027	12	3	1	1
PL.26307	PL.27017	A	#2 ACSR	7.10Y	118.3	0.02	6.74	17.60	10	121	30	97	0.02	0.0	4.768	0.038	0	0	0	49
PL.27015	PL.26307	A	#2 ACSR	7.09Y	118.2	0.02	6.76	12.76	7	88	22	97	0.01	0.0	4.835	0.066	41	10	24	44
PL.27016	PL.27015	A	#2 ACSR	7.09Y	118.2	0.00	6.76	6.83	4	47	12	97	0.00	0.0	4.855	0.020	47	12	20	20
PL.26602	PL.26307	A	#2 ACSR	7.10Y	118.3	0.00	6.74	4.85	3	33	8	97	0.00	0.0	4.797	0.028	33	8	5	5
PL.26309	PL.26307	A	#4 ACSR	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	4.868	0.099	0	0	0	0
CP.38	PL.27866	ABC	Cap (300)	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	4.122	0.099	0	0	0	0
PL.27796	PL.27022	C	#1/0 ACSR	7.14Y	119.0	0.00	5.97	0.87	0	6	2	95	0.00	0.0	3.936	0.004	0	0	0	2
PD.3819	PL.27796	C	15T	7.14Y	119.0	0.00	5.97	0.87	0	6	2	95	0.00	0.0	3.936	0.004	0	0	0	2
PL.27797	PD.3819	C	#1/0 ACSR	7.14Y	119.0	0.00	5.98	0.87	0	6	2	95	0.00	0.0	4.073	0.137	0	0	1	2
PL.27038	PL.27797	C	#1/0 ACSR	7.14Y	119.0	0.00	5.98	0.87	0	6	2	95	0.00	0.0	4.230	0.157	6	2	1	1
PL.27468	PL.27022	C	6 A (CWC)	7.14Y	119.0	0.00	5.98	2.22	2	15	4	97	0.00	0.0	3.936	0.004	0	0	0	3
PD.3652	PL.27468	C	40T	7.14Y	119.0	0.00	5.98	2.22	0	15	4	97	0.00	0.0	3.936	0.004	0	0	0	3
PL.27469	PD.3652	C	6 A (CWC)	7.14Y	119.0	0.00	5.98	2.22	2	15	4	97	0.00	0.0	3.989	0.053	15	4	3	3
PL.27480	PL.26599	A	#4 ACSR	7.16Y	119.3	0.00	5.68	1.20	1	8	2	97	0.00	0.0	3.532	0.004	0	0	0	2
PD.3658	PL.27480	A	20T	7.16Y	119.3	0.00	5.68	1.20	0	8	2	97	0.00	0.0	3.532	0.004	0	0	0	2
PL.27481	PD.3658	A	#4 ACSR	7.16Y	119.3	0.00	5.68	1.20	1	8	2	97	0.00	0.0	3.547	0.014	8	2	2	2
PL.27794	PL.26599	C	6 A (CWC)	7.16Y	119.3	0.00	5.68	1.86	1	13	3	97	0.00	0.0	3.532	0.004	0	0	0	2
PD.3818	PL.27794	C	40T	7.16Y	119.3	0.00	5.68	1.86	0	13	3	97	0.00	0.0	3.532	0.004	0	0	0	2
PL.27795	PD.3818	C	6 A (CWC)	7.16Y	119.3	0.00	5.68	1.86	1	13	3	97	0.00	0.0	3.580	0.048	13	3	2	2
PL.27486	PL.27047	C	#4 ACSR	7.17Y	119.4	0.00	5.57	0.64	0	4	1	97	0.00	0.0	3.392	0.004	0	0	0	1
PD.3661	PL.27486	C	20T	7.17Y	119.4	0.00	5.57	0.64	0	4	1	97	0.00	0.0	3.392	0.004	0	0	0	1
PL.27487	PD.3661	C	#4 ACSR	7.17Y	119.4	0.00	5.57	0.64	0	4	1	97	0.00	0.0	3.452	0.059	4	1	1	1
PL.27472	PL.27029	A	#2 ACSR	7.18Y	119.7	0.00	5.27	1.75	1	12	3	97	0.00	0.0	3.044	0.005	0	0	0	3

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3654	PL.27472	A	25T	7.18Y	119.7	0.00	5.27	1.75	0	12	3	97	0.00	0.0	3.044	0.005	0	0	0	3
PL.27473	PD.3654	A	#2 ACSR	7.18Y	119.7	0.00	5.27	1.75	1	12	3	97	0.00	0.0	3.075	0.032	12	3	3	3
PL.26251	PL.26952	ABC	336 MCM AC	7.20Y	120.0	0.12	5.03	168.46	32	3500	1004	96	2.22	0.1	2.743	0.093	0	0	0	1001
PL.27069	PL.26251	ABC	336 MCM AC	7.19Y	119.9	0.07	5.10	168.15	32	3491	998	96	1.25	0.0	2.795	0.052	0	0	0	999
PL.27077	PL.27069	ABC	336 MCM AC	7.19Y	119.8	0.10	5.20	168.15	32	3490	995	96	1.94	0.1	2.877	0.082	8	2	3	999
PL.27078	PL.27077	ABC	336 MCM AC	7.19Y	119.8	0.02	5.22	167.76	32	3480	988	96	0.46	0.0	2.896	0.019	2	0	1	996
PL.27079	PL.27078	ABC	336 MCM AC	7.18Y	119.7	0.03	5.25	167.67	32	3478	987	96	0.57	0.0	2.920	0.024	18	5	4	995
PL.27436	PL.27079	ABC	336 MCM AC	7.18Y	119.7	0.08	5.33	166.79	32	3459	981	96	1.43	0.0	2.981	0.061	2	0	1	991
PL.27437	PL.27436	ABC	336 MCM AC	7.18Y	119.6	0.05	5.38	166.72	32	3456	977	96	0.95	0.0	3.022	0.041	15	4	5	990
PL.26254	PL.27437	A	#4 ACSR	7.18Y	119.6	0.01	5.39	11.15	9	78	19	97	0.01	0.0	3.041	0.019	0	0	0	24
PD.3668	PL.26254	A	20T	7.18Y	119.6	0.00	5.39	11.15	0	78	19	97	0.00	0.0	3.041	0.019	0	0	0	24
PL.26605	PD.3668	A	#4 ACSR	7.17Y	119.6	0.03	5.42	10.13	8	71	18	97	0.01	0.0	3.101	0.059	0	0	0	21
PL.26256	PL.26605	A	#4 ACSR	7.17Y	119.6	0.00	5.42	1.89	1	13	3	97	0.00	0.0	3.128	0.028	13	3	2	2
PL.26257	PL.26605	A	#4 ACSR	7.17Y	119.6	0.00	5.42	0.43	0	3	1	95	0.00	0.0	3.153	0.053	3	1	1	1
PL.26606	PL.26605	A	#4 ACSR	7.17Y	119.5	0.04	5.46	7.81	6	54	14	97	0.02	0.0	3.226	0.125	8	2	3	18
PL.27071	PL.26606	A	#4 ACSR	7.17Y	119.5	0.01	5.47	6.62	5	46	11	97	0.00	0.0	3.277	0.051	27	7	7	14
PL.27072	PL.27071	A	#4 ACSR	7.17Y	119.5	0.00	5.47	2.67	2	19	5	97	0.00	0.0	3.339	0.062	19	5	7	7
PL.26258	PL.26606	A	#4 ACSR	7.17Y	119.5	0.00	5.46	0.00	0	0	0	100	0.00	0.0	3.247	0.021	0	0	1	1
PL.26255	PD.3668	A	#2 ACSR	7.18Y	119.6	0.00	5.39	1.02	1	7	2	96	0.00	0.0	3.065	0.024	7	2	3	3
PL.26954	PL.27437	ABC	336 MCM AC	7.17Y	119.6	0.06	5.44	162.27	31	3362	951	96	1.14	0.0	3.074	0.052	16	4	4	961
PL.26259	PL.26954	ABC	#2 ACSR	7.17Y	119.6	0.00	5.44	0.94	1	20	5	97	0.00	0.0	3.079	0.005	20	5	1	1
PL.26955	PL.26954	ABC	336 MCM AC	7.17Y	119.5	0.07	5.52	160.57	31	3325	940	96	1.34	0.0	3.136	0.062	0	0	0	956
PL.26260	PL.26955	A	#1/0 ACSR	7.17Y	119.5	0.00	5.52	0.86	0	6	1	99	0.00	0.0	3.172	0.036	6	1	1	1
PL.26956	PL.26955	ABC	336 MCM AC	7.16Y	119.4	0.10	5.62	160.29	31	3318	935	96	1.79	0.1	3.219	0.083	4	1	2	955
PL.27502	PL.26956	C	#4 ACSR	7.16Y	119.4	0.00	5.62	2.49	2	17	4	97	0.00	0.0	3.223	0.005	0	0	0	3
PD.3669	PL.27502	C	12T	7.16Y	119.4	0.00	5.62	2.49	0	17	4	97	0.00	0.0	3.223	0.005	0	0	0	3
PL.27503	PD.3669	C	#4 ACSR	7.16Y	119.4	0.01	5.62	2.49	2	17	4	97	0.00	0.0	3.278	0.055	0	0	0	3
PL.26958	PL.27503	C	#4 ACSR	7.16Y	119.4	0.00	5.62	0.76	1	5	1	98	0.00	0.0	3.305	0.027	5	1	1	1
PL.26261	PL.27503	C	#1/0 ACSR	7.16Y	119.4	0.00	5.63	1.74	1	12	3	97	0.00	0.0	3.414	0.135	5	1	1	2
PL.26262	PL.26261	C	#1/0 ACSR	7.16Y	119.4	0.00	5.63	1.08	0	8	2	97	0.00	0.0	3.463	0.050	8	2	1	1
PL.26607	PL.26956	ABC	336 MCM AC	7.16Y	119.3	0.09	5.71	159.26	31	3295	926	96	1.64	0.0	3.295	0.077	0	0	0	950

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27788	PL.26607	A	#4 ACSR	7.16Y	119.3	0.00	5.71	0.78	1	5	1	98	0.00	0.0	3.300	0.005	0	0	0	1
PD.3816	PL.27788	A	40T	7.16Y	119.3	0.00	5.71	0.78	0	5	1	98	0.00	0.0	3.300	0.005	0	0	0	1
PL.27789	PD.3816	A	#1/0 ACSR	7.16Y	119.3	0.00	5.71	0.78	0	5	1	98	0.00	0.0	3.332	0.032	5	1	1	1
PL.27504	PL.26607	C	#4 ACSR	7.16Y	119.3	0.00	5.71	1.43	1	10	2	98	0.00	0.0	3.300	0.005	0	0	0	1
PD.3670	PL.27504	C	40T	7.16Y	119.3	0.00	5.71	1.43	0	10	2	98	0.00	0.0	3.300	0.005	0	0	0	1
PL.27505	PD.3670	C	#1/0 ACSR	7.16Y	119.3	0.00	5.71	1.43	1	10	2	98	0.00	0.0	3.326	0.026	10	2	1	1
PL.27790	PL.26607	ABC	336 MCM AC	7.16Y	119.3	0.01	5.71	158.53	31	3278	918	96	0.09	0.0	3.300	0.004	0	0	0	948
PL.27791	PL.27790	ABC	336 MCM AC	7.15Y	119.2	0.09	5.81	158.53	31	3278	918	96	1.69	0.1	3.379	0.080	0	0	0	948
PL.27080	PL.27791	ABC	336 MCM AC	7.15Y	119.1	0.09	5.90	150.80	29	3115	874	96	1.52	0.0	3.459	0.080	14	4	9	903
PL.27081	PL.27080	ABC	336 MCM AC	7.14Y	119.0	0.15	6.05	150.11	29	3099	867	96	2.54	0.1	3.593	0.134	0	0	0	894
PL.26960	PL.27081	ABC	336 MCM AC	7.14Y	119.0	0.00	6.05	150.11	29	3097	861	96	0.03	0.0	3.594	0.002	0	0	0	894
PL.26615	PL.26960	ABC	336 MCM AC	7.13Y	118.8	0.17	6.22	146.53	28	3022	842	96	2.80	0.1	3.749	0.155	0	0	0	858
PL.26768	PL.26615	ABC	336 MCM AC	7.12Y	118.7	0.09	6.30	146.53	28	3019	835	96	1.46	0.0	3.830	0.081	0	0	0	858
PL.27858	PL.26768	ABC	#1/0 ACSR	7.12Y	118.7	0.01	6.32	32.04	14	664	168	97	0.07	0.0	3.854	0.024	0	0	0	173
PD.3848	PL.27858	ABC	50L	7.12Y	118.7	0.00	6.32	32.04	64	663	168	97	0.00	0.0	3.854	0.024	0	0	0	173
PL.27859	PD.3848	ABC	#1/0 ACSR	7.12Y	118.7	0.02	6.33	32.04	14	663	168	97	0.08	0.0	3.882	0.028	12	3	3	173
PL.27107	PL.27859	ABC	#1/0 ACSR	7.12Y	118.6	0.02	6.35	31.46	14	651	165	97	0.09	0.0	3.918	0.036	5	1	1	170
PL.27106	PL.27107	ABC	#1/0 ACSR	7.12Y	118.6	0.04	6.39	31.22	14	646	164	97	0.19	0.0	3.992	0.074	13	3	2	169
PL.26617	PL.27106	ABC	#1/0 ACSR	7.11Y	118.6	0.05	6.45	29.93	13	619	157	97	0.23	0.0	4.086	0.095	0	0	0	165
PL.26618	PL.26617	ABC	#1/0 ACSR	7.11Y	118.5	0.05	6.49	29.70	13	614	156	97	0.20	0.0	4.173	0.086	7	2	1	164
PL.26619	PL.26618	ABC	#1/0 ACSR	7.11Y	118.5	0.04	6.53	28.94	13	599	151	97	0.15	0.0	4.242	0.069	0	0	0	157
PL.26746	PL.26619	ABC	#1/0 ACSR	7.11Y	118.5	0.00	6.53	28.94	13	598	151	97	0.01	0.0	4.246	0.004	0	0	0	157
PL.26745	PL.26746	ABC	#1/0 ACSR	7.11Y	118.5	0.00	6.53	28.94	13	598	151	97	0.02	0.0	4.255	0.009	0	0	0	157
PL.27108	PL.26745	ABC	#1/0 ACSR	7.10Y	118.4	0.10	6.63	28.94	13	598	151	97	0.41	0.1	4.441	0.186	5	1	1	157
PL.27109	PL.27108	ABC	#1/0 ACSR	7.10Y	118.3	0.02	6.65	28.68	12	592	149	97	0.10	0.0	4.488	0.047	4	1	1	156
PL.26620	PL.27109	ABC	#1/0 ACSR	7.10Y	118.3	0.02	6.68	28.03	12	579	146	97	0.10	0.0	4.535	0.046	0	0	0	154
PL.27532	PL.26620	ABC	#1/0 ACSR	7.10Y	118.3	0.04	6.72	27.42	12	566	143	97	0.17	0.0	4.619	0.084	0	0	0	153
PL.27533	PL.27532	ABC	#1/0 ACSR	7.10Y	118.3	0.00	6.72	27.42	12	566	143	97	0.01	0.0	4.623	0.004	4	1	1	153
PL.27530	PL.27533	B	6 A (CWC)	7.10Y	118.3	0.00	6.72	1.51	1	10	3	96	0.00	0.0	4.628	0.005	0	0	0	2
PD.3683	PL.27530	B	20T	7.10Y	118.3	0.00	6.72	1.51	0	10	3	96	0.00	0.0	4.628	0.005	0	0	0	2
PL.27531	PD.3683	B	6 A (CWC)	7.10Y	118.3	0.00	6.72	1.51	1	10	3	96	0.00	0.0	4.697	0.069	10	3	2	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27804	PL.27533	A	6 A (CWC)	7.10Y	118.3	0.00	6.72	0.21	0	1	0	100	0.00	0.0	4.628	0.005	0	0	0	1
PD.3823	PL.27804	A	25T	7.10Y	118.3	0.00	6.72	0.21	0	1	0	100	0.00	0.0	4.628	0.005	0	0	0	1
PL.27805	PD.3823	A	6 A (CWC)	7.10Y	118.3	0.00	6.72	0.21	0	1	0	100	0.00	0.0	4.690	0.062	1	0	1	1
PL.26621	PL.27533	ABC	#1/0 ACSR	7.10Y	118.3	0.02	6.74	26.64	12	550	139	97	0.09	0.0	4.671	0.048	4	1	1	149
PL.27110	PL.26621	ABC	#1/0 ACSR	7.09Y	118.2	0.06	6.80	25.40	11	524	132	97	0.22	0.0	4.802	0.131	12	3	3	145
PL.27111	PL.27110	ABC	#1/0 ACSR	7.09Y	118.2	0.04	6.84	24.83	11	512	129	97	0.16	0.0	4.902	0.100	0	0	1	142
PL.27112	PL.27111	ABC	#1/0 ACSR	7.09Y	118.1	0.03	6.87	24.82	11	512	129	97	0.10	0.0	4.966	0.064	18	5	2	141
PL.27872	PL.27112	ABC	#1/0 ACSR	7.09Y	118.1	0.03	6.90	22.99	10	474	119	97	0.09	0.0	5.028	0.062	0	0	0	136
RG.31	PL.27872	ABC	76.2 KVA	7.46Y	124.3	-6.22	0.68	22.99	23	474	119	97	percent Boost= 5.00 Tap= 8.0						136	
PL.27873	RG.31	ABC	#1/0 ACSR	7.46Y	124.3	0.06	0.74	21.84	9	474	119	97	0.21	0.0	5.190	0.162	0	0	0	136
PL.26622	PL.27873	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.77	20.13	9	437	110	97	0.07	0.0	5.252	0.062	0	0	0	126
PL.27552	PL.26622	C	6 A (CWC)	7.45Y	124.2	0.00	0.77	0.32	0	2	1	89	0.00	0.0	5.257	0.005	0	0	0	4
PD.3693	PL.27552	C	20T	7.45Y	124.2	0.00	0.77	0.32	0	2	1	89	0.00	0.0	5.257	0.005	0	0	0	4
PL.27553	PD.3693	C	6 A (CWC)	7.45Y	124.2	0.00	0.77	0.32	0	2	1	89	0.00	0.0	5.307	0.050	2	1	4	4
PL.26623	PL.26622	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.82	20.02	9	434	109	97	0.15	0.0	5.394	0.142	0	0	0	122
PL.27806	PL.26623	C	6 A (CWC)	7.45Y	124.2	0.00	0.82	3.83	3	28	7	97	0.00	0.0	5.399	0.005	0	0	0	11
PD.3824	PL.27806	C	20T	7.45Y	124.2	0.00	0.82	3.83	0	28	7	97	0.00	0.0	5.399	0.005	0	0	0	11
PL.27807	PD.3824	C	6 A (CWC)	7.45Y	124.2	0.01	0.82	3.83	3	28	7	97	0.00	0.0	5.439	0.040	11	3	5	11
PL.26875	PL.27807	C	6 A (CWC)	7.45Y	124.2	0.01	0.84	2.32	2	17	4	97	0.00	0.0	5.578	0.139	0	0	0	6
PL.26318	PL.26875	C	#4 ACSR	7.45Y	124.2	0.00	0.84	2.32	2	17	4	97	0.00	0.0	5.665	0.087	17	4	6	6
PL.26966	PL.26623	ABC	#1/0 ACSR	7.45Y	124.1	0.06	0.88	18.68	8	405	102	97	0.17	0.0	5.577	0.183	0	0	0	110
PL.26967	PL.26966	ABC	#1/0 ACSR	7.44Y	124.1	0.05	0.93	18.67	8	405	101	97	0.14	0.0	5.730	0.153	5	1	1	109
PL.26624	PL.26967	ABC	#1/0 ACSR	7.44Y	124.1	0.02	0.94	18.10	8	392	98	97	0.04	0.0	5.780	0.050	8	2	2	103
PL.26625	PL.26624	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.96	16.96	7	367	92	97	0.03	0.0	5.816	0.036	1	0	1	98
PL.27562	PL.26625	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	11.71	8	85	21	97	0.00	0.0	5.820	0.005	0	0	0	17
PD.3698	PL.27562	C	20T	7.44Y	124.0	0.00	0.96	11.71	0	85	21	97	0.00	0.0	5.820	0.005	0	0	0	17
PL.27563	PD.3698	C	6 A (CWC)	7.44Y	124.0	0.01	0.97	11.71	8	85	21	97	0.01	0.0	5.841	0.021	9	2	1	17
PL.26883	PL.27563	C	6 A (CWC)	7.44Y	124.0	0.07	1.04	10.51	8	76	19	97	0.04	0.1	5.992	0.151	0	0	0	16
PL.26770	PL.26883	C	6 A (CWC)	7.43Y	123.9	0.07	1.11	10.51	8	76	19	97	0.04	0.1	6.140	0.147	0	0	0	16
PL.26319	PL.26770	C	6 A (CWC)	7.43Y	123.9	0.01	1.12	6.39	5	46	12	97	0.00	0.0	6.181	0.041	0	0	0	11
PL.26773	PL.26319	C	6 A (CWC)	7.43Y	123.8	0.04	1.17	6.39	5	46	12	97	0.01	0.0	6.336	0.156	2	0	1	11

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26878	PL.26773	C	#4 ACSR	7.43Y	123.8	0.01	1.17	6.14	5	44	11	97	0.00	0.0	6.362	0.026	8	2	2	10
PL.26879	PL.26878	C	#4 ACSR	7.43Y	123.8	0.01	1.19	5.05	4	36	9	97	0.00	0.0	6.419	0.057	0	0	0	8
PL.26353	PL.26879	C	#4 ACSR	7.43Y	123.8	0.00	1.19	0.91	1	7	2	96	0.00	0.0	6.464	0.046	7	2	1	1
PL.26876	PL.26879	C	#4 ACSR	7.43Y	123.8	0.01	1.20	4.14	3	30	7	97	0.00	0.0	6.481	0.062	4	1	1	7
PL.26877	PL.26876	C	#4 ACSR	7.43Y	123.8	0.00	1.20	3.60	3	26	6	97	0.00	0.0	6.496	0.015	0	0	0	6
PL.26627	PL.26877	C	#4 ACSR	7.43Y	123.8	0.01	1.21	1.97	2	14	4	96	0.00	0.0	6.630	0.134	0	0	0	5
PL.26774	PL.26627	C	#4 ACSR	7.43Y	123.8	0.00	1.22	1.97	2	14	4	96	0.00	0.0	6.685	0.055	0	0	0	5
PL.27115	PL.26774	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.46	0	3	1	95	0.00	0.0	6.775	0.090	2	0	1	2
PL.27116	PL.27115	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.21	0	2	0	100	0.00	0.0	6.856	0.081	2	0	1	1
PL.26352	PL.26774	C	#4 ACSR	7.43Y	123.8	0.01	1.22	1.51	1	11	3	96	0.00	0.0	6.814	0.129	0	0	0	3
PL.26775	PL.26352	C	#4 ACSR	7.43Y	123.8	0.01	1.23	1.51	1	11	3	96	0.00	0.0	6.957	0.143	0	0	0	3
PL.26351	PL.26775	C	#2 ACSR	7.43Y	123.8	0.00	1.23	0.04	0	0	0	100	0.00	0.0	7.014	0.057	0	0	1	1
PL.26852	PL.26775	C	#1/0 ACSR	7.43Y	123.8	0.00	1.24	1.47	1	11	3	96	0.00	0.0	7.006	0.049	11	3	1	2
PL.26853	PL.26852	C	#1/0 ACSR	7.43Y	123.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	7.040	0.034	0	0	1	1
PL.26354	PL.26877	C	#4 ACSR	7.43Y	123.8	0.00	1.20	1.63	1	12	3	97	0.00	0.0	6.560	0.065	12	3	1	1
PL.26626	PL.26770	C	6 A (CWC)	7.43Y	123.9	0.03	1.14	4.12	3	30	7	97	0.01	0.0	6.312	0.172	0	0	0	5
PL.26884	PL.26626	C	6 A (CWC)	7.43Y	123.9	0.00	1.14	0.88	1	6	2	95	0.00	0.0	6.348	0.036	0	0	1	2
PL.26885	PL.26884	C	6 A (CWC)	7.43Y	123.9	0.00	1.15	0.82	1	6	1	99	0.00	0.0	6.372	0.024	6	1	1	1
PL.26356	PL.26626	C	6 A (CWC)	7.43Y	123.8	0.02	1.16	2.59	2	19	5	97	0.00	0.0	6.472	0.160	0	0	0	2
PL.26771	PL.26356	C	6 A (CWC)	7.43Y	123.8	0.02	1.18	2.59	2	19	5	97	0.00	0.0	6.614	0.142	0	0	0	2
PL.26772	PL.26771	C	6 A (CWC)	7.43Y	123.8	0.01	1.19	2.59	2	19	5	97	0.00	0.0	6.714	0.100	0	0	0	2
PL.26357	PL.26772	C	#4 ACSR	7.43Y	123.8	0.00	1.19	0.92	1	7	2	96	0.00	0.0	6.772	0.058	7	2	1	1
PL.26886	PL.26772	C	6 A (CWC)	7.43Y	123.8	0.01	1.20	1.67	1	12	3	97	0.00	0.0	6.892	0.178	12	3	1	1
PL.26887	PL.26886	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	7.078	0.186	0	0	0	0
PL.26355	PL.26626	C	#4 ACSR	7.43Y	123.9	0.00	1.14	0.65	1	5	1	98	0.00	0.0	6.356	0.044	5	1	1	1
PL.26880	PL.26625	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.97	13.03	6	282	71	97	0.02	0.0	5.858	0.042	2	0	1	80
PL.26881	PL.26880	ABC	#1/0 ACSR	7.44Y	124.0	0.02	0.98	12.95	6	280	70	97	0.04	0.0	5.937	0.079	0	0	0	79
PL.26968	PL.26881	ABC	#1/0 ACSR	7.44Y	124.0	0.02	1.01	12.95	6	280	70	97	0.05	0.0	6.043	0.105	0	0	0	78
PL.27564	PL.26968	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	1.31	1	9	2	98	0.00	0.0	6.047	0.005	0	0	0	2
PD.3699	PL.27564	C	25T	7.44Y	124.0	0.00	1.01	1.31	0	9	2	98	0.00	0.0	6.047	0.005	0	0	0	2
PL.27565	PD.3699	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	1.31	1	9	2	98	0.00	0.0	6.096	0.048	9	2	2	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26628	PL.26968	ABC	#1/0 ACSR	7.44Y	124.0	0.02	1.03	12.51	5	271	68	97	0.05	0.0	6.152	0.109	0	0	0	76
PL.26776	PL.26628	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.06	12.51	5	271	68	97	0.05	0.0	6.265	0.113	11	3	2	76
PL.26322	PL.26776	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.08	11.37	5	246	62	97	0.04	0.0	6.379	0.115	0	0	0	71
PL.27574	PL.26322	A	6 A (CWC)	7.44Y	123.9	0.00	1.08	1.15	1	8	2	97	0.00	0.0	6.384	0.005	0	0	0	2
PD.3705	PL.27574	A	12T	7.44Y	123.9	0.00	1.08	1.15	0	8	2	97	0.00	0.0	6.384	0.005	0	0	0	2
PL.27575	PD.3705	A	6 A (CWC)	7.43Y	123.9	0.01	1.09	1.15	1	8	2	97	0.00	0.0	6.542	0.158	2	0	1	2
PL.26888	PL.27575	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.89	1	6	2	95	0.00	0.0	6.599	0.057	6	2	1	1
PL.27117	PL.26322	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.10	10.99	5	238	59	97	0.03	0.0	6.462	0.083	15	4	2	69
PL.27118	PL.27117	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.11	10.31	4	223	56	97	0.03	0.0	6.564	0.102	0	0	0	67
PL.26778	PL.27118	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.14	10.31	4	223	56	97	0.03	0.0	6.697	0.132	23	6	4	67
PL.27570	PL.26778	B	#4 ACSR	7.43Y	123.9	0.00	1.14	1.24	1	9	2	98	0.00	0.0	6.701	0.005	0	0	0	1
PD.3702	PL.27570	B	20T	7.43Y	123.9	0.00	1.14	1.24	0	9	2	98	0.00	0.0	6.701	0.005	0	0	0	1
PL.27571	PD.3702	B	#4 ACSR	7.43Y	123.9	0.00	1.14	1.24	1	9	2	98	0.00	0.0	6.739	0.038	9	2	1	1
PL.26971	PL.26778	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.16	8.83	4	191	48	97	0.03	0.0	6.820	0.123	0	0	0	62
PL.26972	PL.26971	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.16	8.83	4	191	48	97	0.00	0.0	6.824	0.005	0	0	0	62
PL.27842	PL.26972	C	6 A (CWC)	7.43Y	123.8	0.02	1.17	12.38	9	89	22	97	0.01	0.0	6.853	0.028	0	0	0	36
PD.3841	PL.27842	C	35L	7.43Y	123.8	0.00	1.17	12.38	35	89	22	97	0.00	0.0	6.853	0.028	0	0	0	36
PL.27843	PD.3841	C	6 A (CWC)	7.43Y	123.8	0.05	1.23	12.38	9	89	22	97	0.03	0.0	6.950	0.097	8	2	4	36
PL.27119	PL.27843	C	#4 ACSR	7.43Y	123.8	0.00	1.23	2.09	2	15	4	97	0.00	0.0	7.019	0.069	7	2	2	4
PL.27120	PL.27119	C	#4 ACSR	7.43Y	123.8	0.00	1.23	1.16	1	8	2	97	0.00	0.0	7.041	0.022	8	2	2	2
PL.26335	PL.27843	C	6 A (CWC)	7.42Y	123.7	0.04	1.27	9.12	7	66	16	97	0.02	0.0	7.057	0.107	3	1	1	28
PL.26973	PL.26335	C	6 A (CWC)	7.42Y	123.7	0.01	1.28	0.90	1	6	2	95	0.00	0.0	7.240	0.182	0	0	0	2
PL.26337	PL.26973	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	0.90	1	6	2	95	0.00	0.0	7.421	0.181	6	1	1	2
PL.26338	PL.26337	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	0.09	0	1	0	100	0.00	0.0	7.498	0.077	1	0	1	1
PL.26889	PL.26338	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	7.651	0.153	0	0	0	0
PL.26890	PL.26889	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	7.781	0.129	0	0	0	0
PL.26974	PL.26973	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	7.317	0.078	0	0	0	0
PL.26336	PL.26335	C	6 A (CWC)	7.42Y	123.7	0.03	1.30	7.83	6	56	14	97	0.01	0.0	7.141	0.084	0	0	0	25
PL.27121	PL.26336	C	6 A (CWC)	7.42Y	123.7	0.03	1.33	6.99	5	50	13	97	0.01	0.0	7.229	0.088	0	0	1	23
PL.27122	PL.27121	C	6 A (CWC)	7.42Y	123.6	0.03	1.35	6.98	5	50	13	97	0.01	0.0	7.317	0.088	0	0	0	22
PL.26779	PL.27122	C	6 A (CWC)	7.42Y	123.6	0.03	1.39	6.98	5	50	13	97	0.01	0.0	7.426	0.109	0	0	0	22

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26340	PL.26779	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.48	0	3	1	95	0.00	0.0	7.478	0.052	3	1	2	2
PL.27123	PL.26779	C	6 A (CWC)	7.41Y	123.6	0.03	1.42	5.54	4	40	10	97	0.01	0.0	7.541	0.115	1	0	2	19
PL.27124	PL.27123	C	6 A (CWC)	7.41Y	123.6	0.02	1.44	5.36	4	39	10	97	0.01	0.0	7.617	0.076	0	0	0	17
PL.26631	PL.27124	C	6 A (CWC)	7.41Y	123.5	0.01	1.45	3.78	3	27	7	97	0.00	0.0	7.697	0.080	0	0	1	16
PL.26343	PL.26631	C	#1/0 ACSR	7.41Y	123.5	0.00	1.45	0.27	0	2	0	100	0.00	0.0	7.766	0.068	2	0	1	1
PL.27198	PL.26631	C	6 A (CWC)	7.41Y	123.5	0.01	1.46	3.50	3	25	6	97	0.00	0.0	7.767	0.070	2	1	1	14
PL.27199	PL.27198	C	6 A (CWC)	7.41Y	123.5	0.01	1.47	3.16	2	23	6	97	0.00	0.0	7.815	0.048	0	0	0	13
PL.26344	PL.27199	C	#2 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	7.956	0.141	0	0	0	0
PL.26632	PL.27199	C	6 A (CWC)	7.41Y	123.5	0.01	1.48	3.16	2	23	6	97	0.00	0.0	7.888	0.073	1	0	1	13
PL.26346	PL.26632	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.20	0	1	0	100	0.00	0.0	7.929	0.041	0	0	0	3
PL.27195	PL.26346	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	7.993	0.065	0	0	1	2
PL.27196	PL.27195	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	8.056	0.062	0	0	1	1
PL.26347	PL.26346	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.20	0	1	0	100	0.00	0.0	7.971	0.042	1	0	1	1
PL.26345	PL.26632	C	#4 ACSR	7.41Y	123.5	0.00	1.48	1.82	1	13	3	97	0.00	0.0	7.947	0.059	3	1	2	7
PL.26348	PL.26345	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	1.02	0	7	2	96	0.00	0.0	8.046	0.099	2	0	1	3
PL.26633	PL.26348	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.09	0	1	0	100	0.00	0.0	8.077	0.031	1	0	1	1
PL.26349	PL.26348	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.67	1	5	1	98	0.00	0.0	8.083	0.037	5	1	1	1
PL.27624	PL.26345	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.38	0	3	1	95	0.00	0.0	7.952	0.005	0	0	0	2
PD.3730	PL.27624	C	15T	7.41Y	123.5	0.00	1.48	0.38	0	3	1	95	0.00	0.0	7.952	0.005	0	0	0	2
PL.27625	PD.3730	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.38	0	3	1	95	0.00	0.0	8.073	0.121	2	0	1	2
PL.27197	PL.27625	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.17	0	1	0	100	0.00	0.0	8.124	0.051	1	0	1	1
PL.26350	PL.26632	C	#2 ACSR	7.41Y	123.5	0.00	1.48	0.95	1	7	2	96	0.00	0.0	7.936	0.048	7	2	2	2
PL.26342	PL.27124	C	#1/0 ACSR	7.41Y	123.6	0.00	1.44	1.58	1	11	3	96	0.00	0.0	7.693	0.076	11	3	1	1
PL.26341	PL.26779	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.96	1	7	2	96	0.00	0.0	7.510	0.084	7	2	1	1
PL.26339	PL.26336	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.84	1	6	2	95	0.00	0.0	7.219	0.078	6	2	2	2
PL.65840	PL.26972	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.91	0	7	2	96	0.00	0.0	6.876	0.051	7	2	1	1
PL.26630	PL.26972	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.16	3.20	1	69	17	97	0.00	0.0	6.891	0.067	3	1	1	21
PL.27572	PL.26630	A	6 A (CWC)	7.43Y	123.8	0.00	1.16	9.23	7	67	17	97	0.00	0.0	6.896	0.005	0	0	0	20
PD.3704	PL.27572	A	20T	7.43Y	123.8	0.00	1.16	9.23	0	67	17	97	0.00	0.0	6.896	0.005	0	0	0	20
PL.27573	PD.3704	A	6 A (CWC)	7.43Y	123.8	0.01	1.18	9.23	7	67	17	97	0.01	0.0	6.931	0.035	3	1	2	20
PL.27194	PL.27573	A	6 A (CWC)	7.43Y	123.8	0.02	1.20	8.84	6	64	16	97	0.01	0.0	6.987	0.056	9	2	2	18

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26634	PL.27194	A	6 A (CWC)	7.43Y	123.8	0.02	1.22	7.14	5	51	13	97	0.01	0.0	7.052	0.065	0	0	0	14
PL.27192	PL.26634	A	6 A (CWC)	7.43Y	123.8	0.01	1.23	6.85	5	49	12	97	0.00	0.0	7.089	0.037	6	2	1	13
PL.27193	PL.27192	A	6 A (CWC)	7.43Y	123.8	0.02	1.25	5.98	4	43	11	97	0.00	0.0	7.147	0.059	3	1	1	12
PL.27191	PL.27193	A	6 A (CWC)	7.42Y	123.7	0.01	1.25	5.53	4	40	10	97	0.00	0.0	7.186	0.038	7	2	1	11
PL.27190	PL.27191	A	6 A (CWC)	7.42Y	123.7	0.00	1.26	4.62	3	33	8	97	0.00	0.0	7.201	0.016	0	0	1	10
PL.26329	PL.27190	A	#2 ACSR	7.42Y	123.7	0.00	1.26	0.28	0	2	1	89	0.00	0.0	7.266	0.064	2	1	1	1
PL.27188	PL.27190	A	6 A (CWC)	7.42Y	123.7	0.01	1.27	4.34	3	31	8	97	0.00	0.0	7.249	0.048	0	0	1	8
PL.27189	PL.27188	A	6 A (CWC)	7.42Y	123.7	0.01	1.28	4.34	3	31	8	97	0.00	0.0	7.306	0.057	0	0	1	7
PL.26330	PL.27189	A	#4 ACSR	7.42Y	123.7	0.00	1.28	0.17	0	1	0	100	0.00	0.0	7.371	0.065	1	0	1	1
PL.26331	PL.27189	A	6 A (CWC)	7.42Y	123.7	0.01	1.29	4.17	3	30	7	97	0.00	0.0	7.345	0.039	0	0	0	5
PL.26635	PL.26331	A	6 A (CWC)	7.42Y	123.7	0.00	1.29	1.88	1	14	3	98	0.00	0.0	7.402	0.057	3	1	1	3
PL.26333	PL.26635	A	6 A (CWC)	7.42Y	123.7	0.01	1.30	1.45	1	10	3	96	0.00	0.0	7.510	0.108	0	0	0	2
PL.26334	PL.26333	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	1.45	1	10	3	96	0.00	0.0	7.569	0.059	10	3	2	2
PL.26636	PL.26333	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	7.573	0.063	0	0	0	0
PL.26332	PL.26331	A	#2 ACSR	7.42Y	123.7	0.00	1.29	2.29	1	16	4	97	0.00	0.0	7.401	0.056	16	4	2	2
PL.26328	PL.26634	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.28	0	2	1	89	0.00	0.0	7.115	0.064	2	1	1	1
PL.26327	PL.27194	A	#4 ACSR	7.43Y	123.8	0.00	1.20	0.52	0	4	1	97	0.00	0.0	7.013	0.026	4	1	2	2
PL.26326	PL.26972	A	#4 ACSR	7.43Y	123.8	0.00	1.16	3.60	3	26	6	97	0.00	0.0	6.828	0.004	0	0	0	4
PD.3703	PL.26326	A	10T	7.43Y	123.8	0.00	1.16	3.60	0	26	6	97	0.00	0.0	6.828	0.004	0	0	0	4
PL.26325	PD.3703	A	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.25	0	2	0	100	0.00	0.0	6.878	0.050	2	0	1	1
PL.26629	PD.3703	A	#4 ACSR	7.43Y	123.8	0.01	1.16	3.34	3	24	6	97	0.00	0.0	6.910	0.082	24	6	3	3
PL.27568	PL.26776	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	1.94	1	14	3	98	0.00	0.0	6.269	0.004	0	0	0	3
PD.3701	PL.27568	A	25T	7.44Y	123.9	0.00	1.06	1.94	0	14	3	98	0.00	0.0	6.269	0.004	0	0	0	3
PL.27569	PD.3701	A	6 A (CWC)	7.44Y	123.9	0.01	1.07	1.94	1	14	3	98	0.00	0.0	6.370	0.102	0	0	1	3
PL.26882	PL.27569	A	6 A (CWC)	7.44Y	123.9	0.01	1.07	1.89	1	14	3	98	0.00	0.0	6.470	0.100	0	0	0	2
PL.26777	PL.26882	A	6 A (CWC)	7.44Y	123.9	0.01	1.08	1.89	1	14	3	98	0.00	0.0	6.568	0.097	0	0	0	2
PL.26324	PL.26777	A	#2 ACSR	7.43Y	123.9	0.00	1.08	1.15	1	8	2	97	0.00	0.0	6.625	0.057	8	2	1	1
PL.26323	PL.26777	A	#1/0 ACSR	7.43Y	123.9	0.00	1.08	0.75	0	5	1	98	0.00	0.0	6.609	0.042	5	1	1	1
PL.66159	PL.26776	C	#2 ACSR	7.44Y	123.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	6.268	0.004	0	0	0	0
PD.9997	PL.66159	C	25T	7.44Y	123.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	6.268	0.004	0	0	0	0
PL.66160	PD.9997	C	#2 ACSR	7.44Y	123.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	6.442	0.173	0	0	0	0

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27566	PL.26881	B	#2 ACSR	7.44Y	124.0	0.00	0.98	0.01	0	0	0	100	0.00	0.0	5.942	0.005	0	0	0	1
PD.3700	PL.27566	B	25T	7.44Y	124.0	0.00	0.98	0.01	0	0	0	100	0.00	0.0	5.942	0.005	0	0	0	1
PL.27567	PD.3700	B	#2 ACSR	7.44Y	124.0	0.00	0.98	0.01	0	0	0	100	0.00	0.0	5.991	0.049	0	0	1	1
PL.27558	PL.26624	C	#4 ACSR	7.44Y	124.1	0.00	0.95	2.37	2	17	4	97	0.00	0.0	5.785	0.005	0	0	0	3
PD.3696	PL.27558	C	25T	7.44Y	124.1	0.00	0.95	2.37	0	17	4	97	0.00	0.0	5.785	0.005	0	0	0	3
PL.27559	PD.3696	C	#4 ACSR	7.44Y	124.1	0.00	0.95	2.37	2	17	4	97	0.00	0.0	5.830	0.046	17	4	3	3
PL.27560	PL.26967	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.06	1	8	2	97	0.00	0.0	5.735	0.005	0	0	0	5
PD.3697	PL.27560	A	15T	7.44Y	124.1	0.00	0.93	1.06	0	8	2	97	0.00	0.0	5.735	0.005	0	0	0	5
PL.27561	PD.3697	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.06	1	8	2	97	0.00	0.0	5.793	0.058	5	1	4	5
PL.26320	PL.27561	A	#4 ACSR	7.44Y	124.1	0.00	0.93	0.32	0	2	1	89	0.00	0.0	5.888	0.095	2	1	1	1
PL.27556	PL.26966	C	6 A (CWC)	7.45Y	124.1	0.00	0.88	0.01	0	0	0	100	0.00	0.0	5.582	0.005	0	0	0	1
PD.3695	PL.27556	C	20T	7.45Y	124.1	0.00	0.88	0.01	0	0	0	100	0.00	0.0	5.582	0.005	0	0	0	1
PL.27557	PD.3695	C	6 A (CWC)	7.45Y	124.1	0.00	0.88	0.01	0	0	0	100	0.00	0.0	5.644	0.062	0	0	1	1
PL.27554	PL.26623	B	6 A (CWC)	7.45Y	124.2	0.00	0.82	0.21	0	2	0	100	0.00	0.0	5.399	0.005	0	0	0	1
PD.3694	PL.27554	B	20T	7.45Y	124.2	0.00	0.82	0.21	0	2	0	100	0.00	0.0	5.399	0.005	0	0	0	1
PL.27555	PD.3694	B	6 A (CWC)	7.45Y	124.2	0.00	0.82	0.21	0	2	0	100	0.00	0.0	5.480	0.081	2	0	1	1
PL.26316	PL.27555	B	#2 ACSR	7.45Y	124.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	5.509	0.030	0	0	0	0
PL.27550	PL.27873	C	6 A (CWC)	7.46Y	124.3	0.00	0.75	5.11	4	37	9	97	0.00	0.0	5.195	0.005	0	0	0	10
PD.3692	PL.27550	C	20T	7.46Y	124.3	0.00	0.75	5.11	0	37	9	97	0.00	0.0	5.195	0.005	0	0	0	10
PL.27551	PD.3692	C	6 A (CWC)	7.45Y	124.2	0.03	0.78	5.11	4	37	9	97	0.01	0.0	5.322	0.128	0	0	0	10
PL.26769	PL.27551	C	6 A (CWC)	7.45Y	124.2	0.01	0.79	5.11	4	37	9	97	0.00	0.0	5.387	0.064	0	0	1	10
PL.26315	PL.26769	C	#2 ACSR	7.45Y	124.2	0.00	0.79	1.03	1	7	2	96	0.00	0.0	5.426	0.040	7	2	1	1
PL.27538	PL.26769	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	1.61	1	12	3	97	0.00	0.0	5.391	0.004	0	0	0	7
PD.3686	PL.27538	C	20T	7.45Y	124.2	0.00	0.79	1.61	0	12	3	97	0.00	0.0	5.391	0.004	0	0	0	7
PL.27539	PD.3686	C	6 A (CWC)	7.45Y	124.2	0.01	0.80	1.61	1	12	3	97	0.00	0.0	5.548	0.157	10	3	2	7
PL.27113	PL.27539	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.22	0	2	0	100	0.00	0.0	5.623	0.075	0	0	1	5
PL.27114	PL.27113	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.22	0	2	0	100	0.00	0.0	5.748	0.125	0	0	2	4
PL.26969	PL.27114	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.22	0	2	0	100	0.00	0.0	5.917	0.169	0	0	0	2
PL.26317	PL.26969	C	#1/0 ACSR	7.45Y	124.2	0.00	0.80	0.22	0	2	0	100	0.00	0.0	5.985	0.068	2	0	1	1
PL.26970	PL.26969	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	6.102	0.185	0	0	1	1
PL.26314	PL.26769	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	2.47	2	18	4	98	0.00	0.0	5.466	0.080	18	4	1	1

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27536	PL.27112	C	6 A (CWC)	7.09Y	118.1	0.00	6.87	2.87	2	20	5	97	0.00	0.0	4.970	0.005	0	0	0	3
PD.3685	PL.27536	C	20T	7.09Y	118.1	0.00	6.87	2.87	0	20	5	97	0.00	0.0	4.970	0.005	0	0	0	3
PL.27537	PD.3685	C	6 A (CWC)	7.09Y	118.1	0.00	6.88	2.87	2	20	5	97	0.00	0.0	5.010	0.039	20	5	3	3
PL.27534	PL.26621	C	6 A (CWC)	7.10Y	118.3	0.00	6.74	3.07	2	21	5	97	0.00	0.0	4.676	0.005	0	0	0	3
PD.3684	PL.27534	C	25T	7.10Y	118.3	0.00	6.74	3.07	0	21	5	97	0.00	0.0	4.676	0.005	0	0	0	3
PL.27535	PD.3684	C	6 A (CWC)	7.10Y	118.3	0.00	6.74	3.07	2	21	5	97	0.00	0.0	4.712	0.036	21	5	3	3
PL.27528	PL.26620	C	#4 ACSR	7.10Y	118.3	0.00	6.68	1.80	1	12	3	97	0.00	0.0	4.539	0.005	0	0	0	1
PD.3682	PL.27528	C	25T	7.10Y	118.3	0.00	6.68	1.80	0	12	3	97	0.00	0.0	4.539	0.005	0	0	0	1
PL.27529	PD.3682	C	#4 ACSR	7.10Y	118.3	0.00	6.68	1.80	1	12	3	97	0.00	0.0	4.642	0.103	12	3	1	1
PL.26313	PL.27529	C	#4 ACSR	7.10Y	118.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	4.704	0.062	0	0	0	0
PL.27526	PL.27109	A	#4 ACSR	7.10Y	118.3	0.00	6.65	1.35	1	9	2	98	0.00	0.0	4.493	0.005	0	0	0	1
PD.3681	PL.27526	A	25T	7.10Y	118.3	0.00	6.65	1.35	0	9	2	98	0.00	0.0	4.493	0.005	0	0	0	1
PL.27527	PD.3681	A	#4 ACSR	7.10Y	118.3	0.00	6.66	1.35	1	9	2	98	0.00	0.0	4.607	0.114	9	2	1	1
CP.39	PL.26746	ABC	Cap (300)	7.11Y	118.5	0.00	6.53	0.00	0	0	0	100	0.00	0.0	4.246	0.114	0	0	0	0
PL.27524	PL.26618	C	6 A (CWC)	7.11Y	118.5	0.00	6.49	1.22	1	8	2	97	0.00	0.0	4.177	0.004	0	0	0	6
PD.3680	PL.27524	C	25T	7.11Y	118.5	0.00	6.49	1.22	0	8	2	97	0.00	0.0	4.177	0.004	0	0	0	6
PL.27525	PD.3680	C	6 A (CWC)	7.11Y	118.5	0.00	6.49	1.22	1	8	2	97	0.00	0.0	4.275	0.098	5	1	4	6
PL.26961	PL.27525	C	6 A (CWC)	7.11Y	118.5	0.00	6.50	0.36	0	2	1	89	0.00	0.0	4.333	0.058	2	1	1	1
PL.26312	PL.27525	C	#2 ACSR	7.11Y	118.5	0.00	6.49	0.10	0	1	0	100	0.00	0.0	4.316	0.042	1	0	1	1
PL.27522	PL.26617	A	#4 ACSR	7.11Y	118.6	0.00	6.45	0.69	1	5	1	98	0.00	0.0	4.091	0.005	0	0	0	1
PD.3679	PL.27522	A	20T	7.11Y	118.6	0.00	6.45	0.69	0	5	1	98	0.00	0.0	4.091	0.005	0	0	0	1
PL.27523	PD.3679	A	#4 ACSR	7.11Y	118.6	0.00	6.45	0.69	1	5	1	98	0.00	0.0	4.243	0.152	5	1	1	1
PL.27520	PL.27106	C	6 A (CWC)	7.12Y	118.6	0.00	6.40	1.97	1	14	3	98	0.00	0.0	3.996	0.005	0	0	0	2
PD.3678	PL.27520	C	25T	7.12Y	118.6	0.00	6.40	1.97	0	14	3	98	0.00	0.0	3.996	0.005	0	0	0	2
PL.27521	PD.3678	C	6 A (CWC)	7.12Y	118.6	0.00	6.40	1.97	1	14	3	98	0.00	0.0	4.093	0.097	14	3	2	2
PL.26283	PL.26768	ABC	336 MCM AC	7.12Y	118.6	0.05	6.35	114.50	22	2354	664	96	0.63	0.0	3.887	0.057	0	0	0	685
PL.27186	PL.26283	ABC	336 MCM AC	7.12Y	118.6	0.02	6.38	114.50	22	2354	662	96	0.28	0.0	3.913	0.026	8	2	1	685
PL.27187	PL.27186	ABC	336 MCM AC	7.11Y	118.5	0.11	6.48	114.13	22	2346	660	96	1.38	0.1	4.039	0.126	0	0	0	684
PL.27184	PL.27187	ABC	336 MCM AC	7.11Y	118.4	0.08	6.56	114.13	22	2345	656	96	0.99	0.0	4.129	0.090	5	1	2	684
PL.27185	PL.27184	ABC	336 MCM AC	7.10Y	118.3	0.11	6.67	113.88	22	2339	653	96	1.45	0.1	4.262	0.133	0	0	0	682
PL.27622	PL.27185	C	6 A (CWC)	7.10Y	118.3	0.00	6.67	0.62	0	4	1	97	0.00	0.0	4.267	0.005	0	0	0	3

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3729	PL.27622	C	10T	7.10Y	118.3	0.00	6.67	0.62	0	4	1	97	0.00	0.0	4.267	0.005	0	0	0	3
PL.27623	PD.3729	C	6 A (CWC)	7.10Y	118.3	0.00	6.67	0.62	0	4	1	97	0.00	0.0	4.323	0.056	1	0	2	3
PL.27183	PL.27623	C	6 A (CWC)	7.10Y	118.3	0.00	6.67	0.43	0	3	1	95	0.00	0.0	4.391	0.068	3	1	1	1
PL.27832	PL.27185	ABC	336 MCM AC	7.10Y	118.3	0.06	6.74	113.68	22	2333	648	96	0.83	0.0	4.338	0.076	0	0	0	679
PD.3836-A	PL.27832	ABC	Closed	7.10Y	118.3	0.00	6.74	113.68	0	2332	647	96	0.00	0.0	4.338	0.076	0	0	0	679
PD.3836-B	PD.3836-A	ABC	Closed	7.10Y	118.3	0.00	6.74	113.68	0	2332	647	96	0.00	0.0	4.338	0.076	0	0	0	679
PL.27833	PD.3836-B	ABC	336 MCM AC	7.09Y	118.2	0.08	6.81	113.68	22	2332	647	96	0.99	0.0	4.429	0.091	0	0	0	679
REG76	PL.27833	ABC	167Kkva	7.51Y	125.2	-7.04	-0.23	113.68	52	2331	644	96	percent Boost= 5.62 Tap= 9.0						679	
PL.27620	REG76	A	#4 ACSR	7.51Y	125.2	0.00	-0.23	0.28	0	2	1	89	0.00	0.0	4.434	0.005	0	0	0	1
PD.3728	PL.27620	A	65T	7.51Y	125.2	0.00	-0.23	0.28	0	2	1	89	0.00	0.0	4.434	0.005	0	0	0	1
PL.27621	PD.3728	A	#4 ACSR	7.51Y	125.2	0.00	-0.23	0.28	0	2	1	89	0.00	0.0	4.610	0.176	2	1	1	1
PL.26637	REG76	ABC	336 MCM AC	7.51Y	125.1	0.14	-0.10	107.19	21	2329	644	96	1.66	0.1	4.600	0.171	0	0	0	678
PL.27181	PL.26637	ABC	336 MCM AC	7.50Y	125.0	0.09	-0.01	106.55	21	2313	636	96	1.05	0.0	4.710	0.110	2	0	1	675
PL.27182	PL.27181	ABC	336 MCM AC	7.49Y	124.9	0.10	0.09	106.47	21	2310	633	96	1.16	0.1	4.832	0.122	0	0	0	674
PL.26639	PL.27182	ABC	336 MCM AC	7.49Y	124.9	0.04	0.13	106.23	20	2304	629	96	0.49	0.0	4.883	0.052	7	2	1	672
PL.27614	PL.26639	A	#1/0 ACSR	7.49Y	124.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	4.888	0.005	0	0	0	0
PD.3725	PL.27614	A	20T	7.49Y	124.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	4.888	0.005	0	0	0	0
PL.27615	PD.3725	A	#1/0 ACSR	7.49Y	124.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	4.949	0.061	0	0	0	0
PL.26640	PL.26639	ABC	336 MCM AC	7.49Y	124.8	0.03	0.16	105.90	20	2296	627	96	0.39	0.0	4.925	0.041	6	1	1	671
PL.27612	PL.26640	C	#2 ACSR	7.49Y	124.8	0.00	0.16	0.76	0	6	1	99	0.00	0.0	4.929	0.005	0	0	0	2
PD.3724	PL.27612	C	25T	7.49Y	124.8	0.00	0.16	0.76	0	6	1	99	0.00	0.0	4.929	0.005	0	0	0	2
PL.27613	PD.3724	C	#2 ACSR	7.49Y	124.8	0.00	0.16	0.76	0	6	1	99	0.00	0.0	4.966	0.037	6	1	2	2
PL.27808	PL.26640	A	6 A (CWC)	7.49Y	124.8	0.00	0.16	5.23	4	38	9	97	0.00	0.0	4.929	0.005	0	0	0	8
PD.3825	PL.27808	A	40T	7.49Y	124.8	0.00	0.16	5.23	0	38	9	97	0.00	0.0	4.929	0.005	0	0	0	8
PL.27809	PD.3825	A	6 A (CWC)	7.49Y	124.8	0.02	0.18	5.23	4	38	9	97	0.00	0.0	5.023	0.093	12	3	3	8
PL.26360	PL.27809	A	#4 ACSR	7.49Y	124.8	0.00	0.18	1.35	1	10	2	98	0.00	0.0	5.057	0.035	10	2	2	2
PL.27178	PL.27809	A	6 A (CWC)	7.49Y	124.8	0.00	0.18	2.17	2	16	4	97	0.00	0.0	5.069	0.046	0	0	0	3
PL.27179	PL.27178	A	6 A (CWC)	7.49Y	124.8	0.01	0.19	2.17	2	16	4	97	0.00	0.0	5.139	0.070	0	0	0	3
PL.26361	PL.27179	A	6 A (CWC)	7.49Y	124.8	0.00	0.19	1.45	1	11	3	96	0.00	0.0	5.180	0.041	11	3	2	2
PL.26362	PL.27179	A	6 A (CWC)	7.49Y	124.8	0.00	0.19	0.72	1	5	1	98	0.00	0.0	5.207	0.068	5	1	1	1
PL.26641	PL.26640	ABC	336 MCM AC	7.49Y	124.8	0.05	0.21	103.65	20	2247	613	96	0.54	0.0	4.985	0.060	5	1	2	660

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27610	PL.26641	C	1/0 AL URD	7.49Y	124.8	0.00	0.21	1.93	1	14	4	96	0.00	0.0	4.990	0.005	0	0	0	2
PD.3723	PL.27610	C	65T	7.49Y	124.8	0.00	0.21	1.93	0	14	4	96	0.00	0.0	4.990	0.005	0	0	0	2
PL.27611	PD.3723	C	1/0 AL URD	7.49Y	124.8	0.00	0.21	1.93	1	14	4	96	0.00	0.0	5.144	0.155	14	4	2	2
PL.27868	PL.26641	ABC	336 MCM AC	7.48Y	124.7	0.09	0.30	102.79	20	2228	607	96	1.06	0.0	5.104	0.119	0	0	0	656
PL.27869	PL.27868	ABC	336 MCM AC	7.48Y	124.7	0.01	0.31	102.79	20	2227	605	97	0.17	0.0	5.123	0.019	0	0	0	656
PL.26642	PL.27869	ABC	336 MCM AC	7.48Y	124.6	0.05	0.36	102.48	20	2220	603	97	0.62	0.0	5.193	0.070	0	0	0	655
PL.26643	PL.26642	ABC	336 MCM AC	7.47Y	124.6	0.09	0.45	96.80	19	2096	570	96	0.95	0.0	5.313	0.120	0	0	0	619
PL.26962	PL.26643	ABC	336 MCM AC	7.47Y	124.5	0.05	0.50	96.80	19	2095	568	97	0.53	0.0	5.380	0.067	0	0	0	619
PL.26963	PL.26962	ABC	336 MCM AC	7.47Y	124.5	0.00	0.50	96.80	19	2094	567	97	0.01	0.0	5.382	0.001	0	0	0	619
PL.26647	PL.26963	ABC	336 MCM AC	7.46Y	124.4	0.12	0.61	96.80	19	2094	567	97	1.28	0.1	5.543	0.162	0	0	0	619
PL.26783	PL.26647	ABC	336 MCM AC	7.46Y	124.3	0.06	0.68	96.80	19	2093	564	97	0.70	0.0	5.633	0.089	0	0	0	619
PL.26648	PL.26783	ABC	336 MCM AC	7.46Y	124.3	0.02	0.70	96.80	19	2092	562	97	0.23	0.0	5.661	0.029	1	0	1	619
PL.27864	PL.26648	ABC	336 MCM AC	7.45Y	124.2	0.07	0.76	75.09	14	1621	443	96	0.57	0.0	5.780	0.119	0	0	0	502
PD.3851	PL.27864	ABC	140L	7.45Y	124.2	0.00	0.76	75.09	54	1620	442	96	0.00	0.0	5.780	0.119	0	0	0	502
PL.27865	PD.3851	ABC	336 MCM AC	7.45Y	124.2	0.03	0.79	75.09	14	1620	442	96	0.24	0.0	5.832	0.051	0	0	0	502
PL.27580	PL.27865	C	#1/0 ACSR	7.45Y	124.2	0.00	0.79	0.16	0	1	0	100	0.00	0.0	5.836	0.005	0	0	0	1
PD.3708	PL.27580	C	25T	7.45Y	124.2	0.00	0.79	0.16	0	1	0	100	0.00	0.0	5.836	0.005	0	0	0	1
PL.27581	PD.3708	C	#1/0 ACSR	7.45Y	124.2	0.00	0.79	0.16	0	1	0	100	0.00	0.0	5.850	0.014	1	0	1	1
PL.27130	PL.27865	ABC	336 MCM AC	7.45Y	124.2	0.04	0.84	75.04	14	1619	441	96	0.37	0.0	5.909	0.077	1	0	2	501
PL.27131	PL.27130	ABC	336 MCM AC	7.45Y	124.1	0.06	0.90	74.99	14	1617	440	96	0.52	0.0	6.019	0.111	0	0	0	499
PL.26964	PL.27131	ABC	336 MCM AC	7.44Y	124.1	0.04	0.94	74.54	14	1607	436	97	0.36	0.0	6.095	0.076	0	0	0	493
PL.26391	PL.26964	ABC	336 MCM AC	7.44Y	124.0	0.07	1.00	74.38	14	1603	435	97	0.56	0.0	6.215	0.120	0	0	0	492
PL.26660	PL.26391	ABC	336 MCM AC	7.43Y	123.9	0.09	1.10	74.10	14	1596	432	97	0.78	0.0	6.384	0.169	0	0	0	489
PL.27684	PL.26660	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.49	0	4	1	97	0.00	0.0	6.389	0.005	0	0	0	1
PD.3761	PL.27684	A	15T	7.43Y	123.9	0.00	1.10	0.49	0	4	1	97	0.00	0.0	6.389	0.005	0	0	0	1
PL.27685	PD.3761	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.49	0	4	1	97	0.00	0.0	6.417	0.028	4	1	1	1
PL.27248	PL.26660	ABC	336 MCM AC	7.43Y	123.9	0.03	1.12	73.93	14	1592	429	97	0.24	0.0	6.437	0.052	0	0	1	488
PL.27249	PL.27248	ABC	336 MCM AC	7.43Y	123.8	0.03	1.16	73.93	14	1592	429	97	0.29	0.0	6.501	0.064	0	0	0	487
PL.27246	PL.27249	ABC	336 MCM AC	7.43Y	123.8	0.04	1.20	73.69	14	1586	427	97	0.32	0.0	6.571	0.070	2	0	1	486
PL.27247	PL.27246	ABC	336 MCM AC	7.43Y	123.8	0.02	1.22	73.60	14	1584	425	97	0.19	0.0	6.613	0.042	0	0	0	485
PL.26662	PL.27247	ABC	336 MCM AC	7.42Y	123.7	0.05	1.27	73.08	14	1573	422	97	0.45	0.0	6.714	0.100	0	0	0	484

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26663	PL.26662	ABC	336 MCM AC	7.42Y	123.7	0.02	1.30	72.72	14	1564	419	97	0.18	0.0	6.755	0.041	11	3	2	482
PL.26394	PL.26663	B	#1/0 ACSR	7.42Y	123.7	0.00	1.30	1.16	1	8	2	97	0.00	0.0	6.794	0.039	8	2	1	1
PL.27240	PL.26663	ABC	336 MCM AC	7.42Y	123.7	0.04	1.33	70.51	14	1517	407	97	0.30	0.0	6.826	0.071	2	0	1	474
PL.27241	PL.27240	ABC	336 MCM AC	7.42Y	123.6	0.03	1.36	70.43	14	1514	406	97	0.21	0.0	6.875	0.049	11	3	1	473
PL.27239	PL.27241	ABC	336 MCM AC	7.41Y	123.6	0.07	1.43	69.93	13	1503	402	97	0.54	0.0	7.006	0.131	1	0	1	472
PL.27238	PL.27239	ABC	336 MCM AC	7.41Y	123.5	0.03	1.45	69.89	13	1502	401	97	0.20	0.0	7.056	0.050	6	1	2	471
PL.27237	PL.27238	ABC	336 MCM AC	7.41Y	123.5	0.05	1.50	69.61	13	1496	399	97	0.39	0.0	7.150	0.094	0	0	0	469
PL.26787	PL.27237	ABC	336 MCM AC	7.41Y	123.4	0.06	1.56	69.61	13	1495	398	97	0.47	0.0	7.266	0.116	0	0	0	469
PL.27674	PL.26787	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.27	1	9	2	98	0.00	0.0	7.271	0.005	0	0	0	2
PD.3756	PL.27674	C	15T	7.41Y	123.4	0.00	1.56	1.27	0	9	2	98	0.00	0.0	7.271	0.005	0	0	0	2
PL.27675	PD.3756	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.27	1	9	2	98	0.00	0.0	7.367	0.096	9	2	2	2
PL.26396	PL.26787	ABC	336 MCM AC	7.40Y	123.4	0.07	1.63	69.19	13	1486	395	97	0.56	0.0	7.404	0.138	0	0	0	467
PL.26788	PL.26396	ABC	336 MCM AC	7.40Y	123.3	0.09	1.72	69.19	13	1485	393	97	0.70	0.0	7.578	0.174	0	0	0	467
PL.27236	PL.26788	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.53	0	4	1	97	0.00	0.0	7.600	0.022	4	1	1	2
PL.27672	PL.27236	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	7.604	0.005	0	0	0	1
PD.3755	PL.27672	C	12T	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	7.604	0.005	0	0	0	1
PL.27673	PD.3755	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	7.729	0.125	0	0	0	1
PL.26789	PL.27673	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	7.862	0.133	0	0	0	1
PL.26790	PL.26789	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	7.968	0.106	0	0	0	1
PL.26939	PL.26790	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	8.059	0.091	0	0	0	1
PL.26791	PL.26939	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	8.140	0.081	0	0	1	1
PL.26664	PL.26788	ABC	336 MCM AC	7.39Y	123.2	0.05	1.77	69.01	13	1481	391	97	0.43	0.0	7.685	0.108	0	0	0	465
PL.26665	PL.26664	ABC	336 MCM AC	7.39Y	123.2	0.03	1.80	69.01	13	1480	390	97	0.26	0.0	7.751	0.066	0	0	0	465
PL.27634	PL.26665	A	#4 ACSR	7.39Y	123.2	0.00	1.80	0.89	1	6	2	95	0.00	0.0	7.756	0.005	0	0	0	1
PD.3735	PL.27634	A	30T	7.39Y	123.2	0.00	1.80	0.89	0	6	2	95	0.00	0.0	7.756	0.005	0	0	0	1
PL.27635	PD.3735	A	#4 ACSR	7.39Y	123.2	0.00	1.80	0.89	1	6	2	95	0.00	0.0	7.780	0.024	6	2	1	1
PL.26666	PL.26665	ABC	336 MCM AC	7.39Y	123.1	0.06	1.86	68.72	13	1474	388	97	0.48	0.0	7.872	0.121	0	0	1	464
PL.27204	PL.26666	ABC	336 MCM AC	7.38Y	123.1	0.06	1.92	68.36	13	1466	385	97	0.45	0.0	7.988	0.116	11	3	2	461
PL.27205	PL.27204	ABC	336 MCM AC	7.38Y	123.0	0.07	1.99	67.87	13	1455	381	97	0.55	0.0	8.130	0.142	0	0	0	459
PL.27630	PL.27205	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.33	0	2	1	89	0.00	0.0	8.134	0.005	0	0	0	1
PD.3733	PL.27630	A	25T	7.38Y	123.0	0.00	1.99	0.33	0	2	1	89	0.00	0.0	8.134	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27631	PD.3733	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.33	0	2	1	89	0.00	0.0	8.178	0.044	2	1	1	1
PL.27870	PL.27205	ABC	336 MCM AC	7.38Y	123.0	0.06	2.05	67.76	13	1452	379	97	0.45	0.0	8.246	0.116	0	0	0	458
PL.27871	PL.27870	ABC	336 MCM AC	7.38Y	122.9	0.02	2.07	67.76	13	1451	378	97	0.13	0.0	8.279	0.033	0	0	0	458
PL.26667	PL.27871	ABC	336 MCM AC	7.37Y	122.9	0.02	2.09	67.69	13	1450	377	97	0.20	0.0	8.330	0.051	0	0	0	457
PL.26397	PL.26667	C	#2 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	8.341	0.012	0	0	0	0
PL.27202	PL.26667	ABC	336 MCM AC	7.37Y	122.9	0.05	2.14	40.53	8	868	226	97	0.25	0.0	8.511	0.181	0	0	1	274
PL.27203	PL.27202	ABC	336 MCM AC	7.37Y	122.8	0.03	2.17	40.51	8	867	225	97	0.14	0.0	8.614	0.103	9	2	1	273
PL.27201	PL.27203	ABC	336 MCM AC	7.37Y	122.8	0.02	2.19	40.09	8	858	223	97	0.09	0.0	8.683	0.069	0	0	0	272
PL.27626	PL.27201	C	#2 ACSR	7.37Y	122.8	0.00	2.19	0.62	0	4	1	97	0.00	0.0	8.688	0.005	0	0	0	1
PD.3731	PL.27626	C	20T	7.37Y	122.8	0.00	2.19	0.62	0	4	1	97	0.00	0.0	8.688	0.005	0	0	0	1
PL.27627	PD.3731	C	#2 ACSR	7.37Y	122.8	0.00	2.20	0.62	0	4	1	97	0.00	0.0	8.715	0.027	4	1	1	1
PL.27200	PL.27201	ABC	336 MCM AC	7.37Y	122.8	0.02	2.22	39.88	8	853	222	97	0.09	0.0	8.753	0.070	0	0	0	271
PL.27856	PL.27200	ABC	336 MCM AC	7.37Y	122.8	0.03	2.25	39.88	8	853	221	97	0.16	0.0	8.870	0.118	0	0	0	271
PL.27857	PL.27856	ABC	336 MCM AC	7.36Y	122.7	0.04	2.29	39.88	8	853	221	97	0.18	0.0	9.002	0.131	0	0	0	271
PL.26832	PL.27857	ABC	336 MCM AC	7.36Y	122.7	0.03	2.32	39.88	8	853	221	97	0.15	0.0	9.110	0.108	0	0	0	271
PL.26701	PL.26832	ABC	336 MCM AC	7.36Y	122.6	0.05	2.37	39.48	8	844	218	97	0.22	0.0	9.276	0.165	0	0	0	270
PL.26702	PL.26701	ABC	336 MCM AC	7.36Y	122.6	0.03	2.40	39.48	8	844	218	97	0.14	0.0	9.381	0.106	0	0	0	270
PL.26833	PL.26702	ABC	336 MCM AC	7.35Y	122.6	0.03	2.42	39.48	8	844	217	97	0.13	0.0	9.479	0.098	0	0	0	270
PL.27234	PL.26833	ABC	336 MCM AC	7.35Y	122.6	0.01	2.44	39.48	8	844	217	97	0.07	0.0	9.531	0.052	4	1	1	270
PL.27235	PL.27234	ABC	336 MCM AC	7.35Y	122.5	0.01	2.45	39.28	8	839	216	97	0.07	0.0	9.582	0.051	0	0	0	269
PL.27670	PL.27235	C	#2 ACSR	7.35Y	122.5	0.00	2.45	1.11	1	8	2	97	0.00	0.0	9.587	0.005	0	0	0	1
PD.3753	PL.27670	C	30T	7.35Y	122.5	0.00	2.45	1.11	0	8	2	97	0.00	0.0	9.587	0.005	0	0	0	1
PL.27671	PD.3753	C	#2 ACSR	7.35Y	122.5	0.00	2.45	1.11	1	8	2	97	0.00	0.0	9.599	0.012	8	2	1	1
PL.26703	PL.27235	ABC	336 MCM AC	7.35Y	122.5	0.01	2.47	38.91	7	831	214	97	0.07	0.0	9.635	0.052	0	0	1	268
PL.26704	PL.26703	ABC	336 MCM AC	7.35Y	122.5	0.02	2.48	38.50	7	822	211	97	0.07	0.0	9.693	0.058	0	0	0	266
PL.27812	PL.26704	A	#2 ACSR	7.35Y	122.5	0.00	2.49	3.98	2	28	7	97	0.00	0.0	9.697	0.005	0	0	0	7
PD.3827	PL.27812	A	20T	7.35Y	122.5	0.00	2.49	3.98	0	28	7	97	0.00	0.0	9.697	0.005	0	0	0	7
PL.27813	PD.3827	A	#2 ACSR	7.35Y	122.5	0.01	2.49	3.98	2	28	7	97	0.00	0.0	9.742	0.045	0	0	0	7
PL.26400	PL.27813	A	#1/0 ACSR	7.35Y	122.5	0.00	2.49	1.28	1	9	2	98	0.00	0.0	9.760	0.018	9	2	1	1
PL.27232	PL.27813	A	#2 ACSR	7.35Y	122.5	0.00	2.49	2.69	2	19	5	97	0.00	0.0	9.791	0.049	11	3	2	5
PL.27233	PL.27232	A	#2 ACSR	7.35Y	122.5	0.00	2.49	1.13	1	8	2	97	0.00	0.0	9.810	0.019	8	2	3	3

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26706	PL.27813	A	#2 ACSR	7.35Y	122.5	0.00	2.49	0.01	0	0	0	100	0.00	0.0	9.795	0.053	0	0	0	1
PL.26401	PL.26706	A	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.01	0	0	0	100	0.00	0.0	9.846	0.051	0	0	1	1
PL.27666	PL.26704	C	#2 ACSR	7.35Y	122.5	0.00	2.48	0.48	0	3	1	95	0.00	0.0	9.697	0.005	0	0	0	2
PD.3751	PL.27666	C	20T	7.35Y	122.5	0.00	2.48	0.48	0	3	1	95	0.00	0.0	9.697	0.005	0	0	0	2
PL.27667	PD.3751	C	#2 ACSR	7.35Y	122.5	0.00	2.49	0.48	0	3	1	95	0.00	0.0	9.880	0.183	3	1	2	2
PL.26705	PL.26704	ABC	336 MCM AC	7.35Y	122.5	0.02	2.50	37.01	7	790	203	97	0.07	0.0	9.757	0.064	0	0	0	257
PL.26834	PL.26705	ABC	336 MCM AC	7.35Y	122.5	0.04	2.55	37.01	7	790	203	97	0.19	0.0	9.918	0.160	0	0	0	257
PL.26707	PL.26834	ABC	336 MCM AC	7.35Y	122.4	0.03	2.58	36.87	7	787	202	97	0.13	0.0	10.033	0.116	2	0	1	256
PL.27862	PL.26707	ABC	#1/0 ACSR	7.34Y	122.4	0.04	2.61	24.05	10	513	132	97	0.13	0.0	10.117	0.084	0	0	0	174
PD.3850	PL.27862	ABC	35L	7.34Y	122.4	0.00	2.61	24.05	69	513	132	97	0.00	0.0	10.117	0.084	0	0	0	174
PL.27863	PD.3850	ABC	#1/0 ACSR	7.34Y	122.4	0.03	2.65	24.05	10	513	132	97	0.12	0.0	10.196	0.080	0	0	0	174
PL.26841	PL.27863	ABC	#1/0 ACSR	7.34Y	122.3	0.06	2.71	24.05	10	513	132	97	0.22	0.0	10.339	0.143	0	0	0	174
PL.27654	PL.26841	C	6 A (CWC)	7.34Y	122.3	0.01	2.72	3.57	3	25	6	97	0.00	0.0	10.421	0.082	0	0	0	8
PD.3745	PL.27654	C	15T	7.34Y	122.3	0.00	2.72	3.57	0	25	6	97	0.00	0.0	10.421	0.082	0	0	0	8
PL.27655	PD.3745	C	6 A (CWC)	7.34Y	122.3	0.02	2.74	3.57	3	25	6	97	0.00	0.0	10.529	0.108	0	0	0	8
PL.26842	PL.27655	C	6 A (CWC)	7.33Y	122.2	0.03	2.77	3.57	3	25	6	97	0.01	0.0	10.699	0.169	0	0	0	8
PL.26843	PL.26842	C	6 A (CWC)	7.33Y	122.2	0.03	2.79	3.57	3	25	6	97	0.01	0.0	10.861	0.162	0	0	0	8
PL.26844	PL.26843	C	6 A (CWC)	7.33Y	122.2	0.01	2.80	3.57	3	25	6	97	0.00	0.0	10.933	0.072	0	0	0	8
PL.26410	PL.26844	C	#4 ACSR	7.33Y	122.2	0.01	2.81	1.60	1	11	3	96	0.00	0.0	11.036	0.103	0	0	0	3
PL.26845	PL.26410	C	#4 ACSR	7.33Y	122.2	0.00	2.81	1.60	1	11	3	96	0.00	0.0	11.131	0.095	11	3	3	3
PL.27215	PL.26844	C	6 A (CWC)	7.33Y	122.2	0.00	2.81	1.97	1	14	4	96	0.00	0.0	10.985	0.052	8	2	3	5
PL.27216	PL.27215	C	6 A (CWC)	7.33Y	122.2	0.00	2.81	0.81	1	6	1	99	0.00	0.0	11.095	0.110	0	0	0	2
PL.27652	PL.27216	C	#2 ACSR	7.33Y	122.2	0.00	2.81	0.18	0	1	0	100	0.00	0.0	11.099	0.005	0	0	0	1
PD.3744	PL.27652	C	10T	7.33Y	122.2	0.00	2.81	0.18	0	1	0	100	0.00	0.0	11.099	0.005	0	0	0	1
PL.27653	PD.3744	C	#2 ACSR	7.33Y	122.2	0.00	2.81	0.18	0	1	0	100	0.00	0.0	11.153	0.054	1	0	1	1
PL.26847	PL.27216	C	6 A (CWC)	7.33Y	122.2	0.00	2.81	0.63	0	4	1	97	0.00	0.0	11.224	0.129	0	0	0	1
PL.26846	PL.26847	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.63	0	4	1	97	0.00	0.0	11.282	0.058	4	1	1	1
PL.26715	PL.26841	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.77	22.86	10	487	126	97	0.21	0.0	10.488	0.149	0	0	0	166
PL.26477	PL.26715	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.77	22.86	10	487	125	97	0.01	0.0	10.492	0.004	0	0	0	166
RG.30	PL.26477	ABC	76.2 KVA	7.47Y	124.6	-2.34	0.43	22.86	23	487	125	97	percent Boost= 1.88 Tap= 3.0						166	
PL.26978	RG.30	ABC	#1/0 ACSR	7.47Y	124.5	0.05	0.49	22.43	10	487	125	97	0.17	0.0	10.622	0.129	0	0	0	166

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26979	PL.26978	ABC	#1/0 ACSR	7.47Y	124.5	0.04	0.52	22.24	10	483	124	97	0.13	0.0	10.717	0.095	0	0	0	165
PL.26848	PL.26979	ABC	#1/0 ACSR	7.47Y	124.4	0.05	0.58	22.24	10	483	124	97	0.17	0.0	10.847	0.130	0	0	0	165
PL.26716	PL.26848	ABC	#1/0 ACSR	7.46Y	124.4	0.04	0.62	22.22	10	482	124	97	0.14	0.0	10.954	0.107	9	2	1	163
PL.27826	PL.26716	A	6 A (CWC)	7.46Y	124.4	0.00	0.62	0.77	1	6	1	99	0.00	0.0	10.958	0.005	0	0	0	3
PD.3833	PL.27826	A	40T	7.46Y	124.4	0.00	0.62	0.77	0	6	1	99	0.00	0.0	10.958	0.005	0	0	0	3
PL.27827	PD.3833	A	6 A (CWC)	7.46Y	124.4	0.00	0.62	0.77	1	6	1	99	0.00	0.0	11.106	0.147	5	1	1	3
PL.27357	PL.27827	A	6 A (CWC)	7.46Y	124.4	0.00	0.62	0.08	0	1	0	100	0.00	0.0	11.228	0.122	0	0	0	2
PL.26479	PL.27357	A	#4 ACSR	7.46Y	124.4	0.00	0.62	0.08	0	1	0	100	0.00	0.0	11.352	0.124	0	0	0	2
PL.26849	PL.26479	A	#4 ACSR	7.46Y	124.4	0.00	0.62	0.08	0	1	0	100	0.00	0.0	11.500	0.148	1	0	2	2
PL.27824	PL.26716	C	6 A (CWC)	7.46Y	124.4	0.00	0.62	0.97	1	7	2	96	0.00	0.0	10.958	0.005	0	0	0	1
PD.3832	PL.27824	C	20T	7.46Y	124.4	0.00	0.62	0.97	0	7	2	96	0.00	0.0	10.958	0.005	0	0	0	1
PL.27825	PD.3832	C	6 A (CWC)	7.46Y	124.4	0.00	0.62	0.97	1	7	2	96	0.00	0.0	11.007	0.048	7	2	1	1
PL.27355	PL.26716	ABC	#1/0 ACSR	7.46Y	124.3	0.04	0.66	21.23	9	460	118	97	0.12	0.0	11.054	0.100	2	0	1	158
PL.27356	PL.27355	ABC	#1/0 ACSR	7.46Y	124.3	0.05	0.71	21.15	9	459	118	97	0.16	0.0	11.193	0.139	3	1	1	157
PL.26717	PL.27356	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.76	20.71	9	449	115	97	0.16	0.0	11.329	0.136	0	0	0	154
PL.26718	PL.26717	ABC	#1/0 ACSR	7.45Y	124.2	0.04	0.79	20.59	9	446	114	97	0.11	0.0	11.428	0.099	0	0	0	153
PL.26850	PL.26718	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.85	20.59	9	446	114	97	0.16	0.0	11.572	0.144	0	0	0	153
PL.26851	PL.26850	ABC	#1/0 ACSR	7.45Y	124.1	0.04	0.89	20.59	9	446	114	97	0.13	0.0	11.683	0.111	0	0	0	153
PL.26719	PL.26851	ABC	#1/0 ACSR	7.44Y	124.1	0.06	0.95	20.39	9	441	113	97	0.17	0.0	11.839	0.156	0	0	0	148
PL.26894	PL.26719	ABC	#1/0 ACSR	7.44Y	124.0	0.04	0.99	20.39	9	441	113	97	0.13	0.0	11.956	0.117	0	0	0	148
PL.26895	PL.26894	ABC	#1/0 ACSR	7.44Y	124.0	0.05	1.03	20.39	9	441	113	97	0.14	0.0	12.082	0.127	0	0	0	148
PL.26896	PL.26895	ABC	#1/0 ACSR	7.43Y	123.9	0.06	1.09	20.39	9	441	112	97	0.17	0.0	12.238	0.156	0	0	0	148
PL.26897	PL.26896	ABC	#1/0 ACSR	7.43Y	123.9	0.05	1.14	20.39	9	441	112	97	0.14	0.0	12.363	0.125	0	0	0	148
PL.26898	PL.26897	ABC	#1/0 ACSR	7.43Y	123.8	0.05	1.18	20.39	9	440	112	97	0.14	0.0	12.493	0.130	0	0	0	148
PL.26899	PL.26898	ABC	#1/0 ACSR	7.43Y	123.8	0.04	1.22	20.39	9	440	112	97	0.13	0.0	12.609	0.115	0	0	0	148
PL.26900	PL.26899	ABC	#1/0 ACSR	7.42Y	123.7	0.04	1.27	20.39	9	440	112	97	0.12	0.0	12.721	0.113	0	0	0	148
PL.27734	PL.26900	C	#2 ACSR	7.42Y	123.7	0.00	1.27	1.29	1	9	2	98	0.00	0.0	12.726	0.005	0	0	0	3
PD.3788	PL.27734	C	T	7.42Y	123.7	0.00	1.27	1.29	0	9	2	98	0.00	0.0	12.726	0.005	0	0	0	3
PL.27735	PD.3788	C	#2 ACSR	7.42Y	123.7	0.00	1.27	1.29	1	9	2	98	0.00	0.0	12.779	0.053	0	0	2	3
PL.27350	PL.27735	C	#2 ACSR	7.42Y	123.7	0.00	1.27	1.26	1	9	2	98	0.00	0.0	12.848	0.069	9	2	1	1
PL.26720	PL.26900	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.28	19.95	9	431	109	97	0.05	0.0	12.764	0.043	0	0	0	145

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26721	PL.26720	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.33	19.89	9	429	109	97	0.14	0.0	12.900	0.136	0	0	0	144
PL.27828	PL.26721	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.41	0	3	1	95	0.00	0.0	12.905	0.005	0	0	0	1
PD.3834	PL.27828	C	20T	7.42Y	123.7	0.00	1.33	0.41	0	3	1	95	0.00	0.0	12.905	0.005	0	0	0	1
PL.27829	PD.3834	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.41	0	3	1	95	0.00	0.0	12.930	0.025	3	1	1	1
PL.26722	PL.26721	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.37	19.36	8	418	106	97	0.12	0.0	13.021	0.121	0	0	0	142
PL.27347	PL.26722	ABC	#1/0 ACSR	7.42Y	123.6	0.03	1.40	18.75	8	404	103	97	0.09	0.0	13.115	0.094	4	1	1	139
PL.27348	PL.27347	ABC	#1/0 ACSR	7.41Y	123.6	0.05	1.45	18.56	8	400	102	97	0.13	0.0	13.256	0.141	0	0	0	138
PL.27728	PL.27348	B	6 A (CWC)	7.41Y	123.5	0.01	1.46	8.83	6	63	16	97	0.00	0.0	13.272	0.016	0	0	0	13
PD.3785	PL.27728	B	T	7.41Y	123.5	0.00	1.46	8.83	0	63	16	97	0.00	0.0	13.272	0.016	0	0	0	13
PL.27729	PD.3785	B	6 A (CWC)	7.41Y	123.5	0.05	1.51	8.83	6	63	16	97	0.02	0.0	13.399	0.126	0	0	0	13
PL.26518	PL.27729	B	#4 ACSR	7.41Y	123.5	0.01	1.51	1.16	1	8	2	97	0.00	0.0	13.519	0.121	0	0	0	5
PL.26526	PL.26518	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.91	1	7	2	96	0.00	0.0	13.597	0.078	7	2	1	1
PL.27345	PL.26518	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.25	0	2	0	100	0.00	0.0	13.540	0.021	1	0	1	4
PL.27346	PL.27345	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.13	0	1	0	100	0.00	0.0	13.572	0.031	0	0	0	3
PL.27726	PL.27346	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	13.577	0.005	0	0	0	1
PD.3784	PL.27726	B	10T	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	13.577	0.005	0	0	0	1
PL.27727	PD.3784	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	13.804	0.228	0	0	0	1
PL.26901	PL.27727	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	13.891	0.087	0	0	0	1
PL.26902	PL.26901	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	14.006	0.115	0	0	0	1
PL.26527	PL.26902	B	#4 ACSR	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	14.082	0.077	0	0	0	1
PL.26529	PL.26527	B	#4 ACSR	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	14.156	0.074	0	0	0	1
PL.26903	PL.26529	B	#4 ACSR	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	14.327	0.170	0	0	1	1
PL.26528	PL.26527	B	#4 ACSR	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	14.193	0.111	0	0	0	0
PL.26525	PL.27346	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.13	0	1	0	100	0.00	0.0	13.659	0.088	1	0	2	2
PL.26724	PL.27729	B	6 A (CWC)	7.41Y	123.4	0.05	1.56	7.67	5	55	14	97	0.02	0.0	13.546	0.147	0	0	0	8
PL.26522	PL.26724	B	6 A (CWC)	7.41Y	123.4	0.01	1.56	0.96	1	7	2	96	0.00	0.0	13.676	0.130	0	0	0	3
PL.26523	PL.26522	B	#4 ACSR	7.41Y	123.4	0.00	1.57	0.96	1	7	2	96	0.00	0.0	13.744	0.068	1	0	1	3
PL.26524	PL.26523	B	#1/0 ACSR	7.41Y	123.4	0.00	1.57	0.76	0	5	1	98	0.00	0.0	13.753	0.009	5	1	2	2
PL.26519	PL.26724	B	6 A (CWC)	7.41Y	123.4	0.02	1.57	6.71	5	48	12	97	0.00	0.0	13.608	0.062	18	4	3	5
PL.26520	PL.26519	B	#1/0 ACSR	7.41Y	123.4	0.00	1.57	2.12	1	15	4	97	0.00	0.0	13.683	0.075	15	4	1	1
PL.26725	PL.26519	B	6 A (CWC)	7.41Y	123.4	0.01	1.58	2.08	1	15	4	97	0.00	0.0	13.711	0.103	0	0	0	1

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26521	PL.26725	B	#1/0 ACSR	7.40Y	123.4	0.00	1.59	2.08	1	15	4	97	0.00	0.0	13.831	0.120	15	4	1	1
PL.26723	PL.27348	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.49	15.61	7	337	86	97	0.10	0.0	13.412	0.156	0	0	0	125
PL.26904	PL.26723	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.51	15.61	7	336	85	97	0.04	0.0	13.474	0.061	0	0	0	125
PL.26726	PL.26904	ABC	#1/0 ACSR	7.41Y	123.4	0.04	1.55	15.61	7	336	85	97	0.10	0.0	13.628	0.154	0	0	0	125
PL.27343	PL.26726	ABC	#1/0 ACSR	7.41Y	123.4	0.02	1.58	15.61	7	336	85	97	0.05	0.0	13.711	0.083	3	1	1	125
PL.27344	PL.27343	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.59	15.47	7	333	85	97	0.03	0.0	13.756	0.045	0	0	0	124
PL.27342	PL.27344	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.60	15.47	7	333	84	97	0.03	0.0	13.802	0.046	14	3	3	124
PL.27341	PL.27342	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.61	14.84	6	319	81	97	0.01	0.0	13.825	0.023	2	1	1	121
PL.27340	PL.27341	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.62	14.74	6	317	81	97	0.03	0.0	13.884	0.058	8	2	1	120
PL.26985	PL.27340	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.64	14.17	6	305	77	97	0.04	0.0	13.960	0.076	0	0	1	118
PL.27337	PL.26985	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.66	13.82	6	297	75	97	0.04	0.0	14.050	0.090	12	3	3	113
PL.27338	PL.27337	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.68	13.26	6	285	72	97	0.03	0.0	14.122	0.072	6	1	2	110
PL.27335	PL.27338	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.69	12.58	5	271	69	97	0.01	0.0	14.152	0.030	0	0	1	107
PL.27336	PL.27335	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.70	12.58	5	271	69	97	0.02	0.0	14.211	0.059	4	1	1	106
PL.26532	PL.27336	C	6 A (CWC)	7.40Y	123.3	0.00	1.70	11.45	8	82	21	97	0.00	0.0	14.215	0.004	0	0	0	31
PD.3780	PL.26532	C	20T	7.40Y	123.3	0.00	1.70	11.45	0	82	21	97	0.00	0.0	14.215	0.004	0	0	0	31
PL.26533	PD.3780	C	6 A (CWC)	7.40Y	123.3	0.00	1.70	1.42	1	10	3	96	0.00	0.0	14.267	0.052	10	3	3	3
PL.26727	PD.3780	C	6 A (CWC)	7.39Y	123.2	0.08	1.78	10.04	7	72	18	97	0.04	0.1	14.387	0.172	0	0	0	28
PL.26534	PL.26727	C	6 A (CWC)	7.39Y	123.2	0.00	1.78	3.50	2	25	6	97	0.00	0.0	14.399	0.012	0	0	1	13
PL.26728	PL.26534	C	6 A (CWC)	7.39Y	123.2	0.01	1.79	2.65	2	19	5	97	0.00	0.0	14.487	0.087	0	0	0	9
PL.26731	PL.26728	C	6 A (CWC)	7.39Y	123.2	0.01	1.80	2.37	2	17	4	97	0.00	0.0	14.578	0.092	0	0	0	8
PL.26545	PL.26731	C	#4 ACSR	7.39Y	123.2	0.00	1.80	0.25	0	2	0	100	0.00	0.0	14.680	0.101	2	0	1	1
PL.26552	PL.26545	C	#4 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	14.743	0.064	0	0	0	0
PL.27307	PL.26731	C	6 A (CWC)	7.39Y	123.2	0.01	1.81	2.12	2	15	4	97	0.00	0.0	14.680	0.101	0	0	1	7
PL.27308	PL.27307	C	6 A (CWC)	7.39Y	123.2	0.01	1.82	2.12	2	15	4	97	0.00	0.0	14.788	0.108	3	1	2	6
PL.26551	PL.27308	C	#4 ACSR	7.39Y	123.2	0.01	1.83	1.71	1	12	3	97	0.00	0.0	14.919	0.131	0	0	0	4
PL.27301	PL.26551	C	#4 ACSR	7.39Y	123.2	0.01	1.84	1.71	1	12	3	97	0.00	0.0	14.988	0.070	0	0	0	4
PL.27302	PL.27301	C	#4 ACSR	7.39Y	123.2	0.01	1.85	1.71	1	12	3	97	0.00	0.0	15.142	0.154	0	0	0	4
PL.26546	PL.27302	C	#4 ACSR	7.39Y	123.2	0.00	1.85	0.52	0	4	1	97	0.00	0.0	15.213	0.071	4	1	1	1
PL.26732	PL.27302	C	#4 ACSR	7.39Y	123.1	0.00	1.85	1.19	1	9	2	98	0.00	0.0	15.187	0.045	0	0	0	3
PL.27297	PL.26732	C	#4 ACSR	7.39Y	123.1	0.01	1.86	1.19	1	9	2	98	0.00	0.0	15.339	0.152	3	1	1	3

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27298	PL.27297	C	#4 ACSR	7.39Y	123.1	0.00	1.86	0.77	1	6	1	99	0.00	0.0	15.395	0.056	2	1	1	2
PL.27296	PL.27298	C	#4 ACSR	7.39Y	123.1	0.00	1.86	0.45	0	3	1	95	0.00	0.0	15.460	0.065	0	0	0	1
PL.27295	PL.27296	C	#4 ACSR	7.39Y	123.1	0.00	1.86	0.45	0	3	1	95	0.00	0.0	15.500	0.039	3	1	1	1
PL.26536	PL.26728	C	#4 ACSR	7.39Y	123.2	0.00	1.79	0.28	0	2	1	89	0.00	0.0	14.554	0.067	2	1	1	1
PL.27305	PL.26534	C	6 A (CWC)	7.39Y	123.2	0.00	1.78	0.84	1	6	1	99	0.00	0.0	14.462	0.063	6	1	3	3
PL.27306	PL.27305	C	6 A (CWC)	7.39Y	123.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	14.526	0.064	0	0	0	0
PL.26535	PL.26727	C	6 A (CWC)	7.39Y	123.2	0.04	1.82	6.54	5	47	12	97	0.01	0.0	14.522	0.135	11	3	3	15
PL.26537	PL.26535	C	#4 ACSR	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	14.577	0.055	0	0	0	0
PL.26539	PL.26535	C	#4 ACSR	7.39Y	123.2	0.01	1.83	5.06	4	36	9	97	0.00	0.0	14.577	0.055	0	0	1	12
PL.26991	PL.26539	C	6 A (CWC)	7.39Y	123.2	0.01	1.84	5.02	4	36	9	97	0.00	0.0	14.633	0.056	16	4	2	11
PL.26992	PL.26991	C	6 A (CWC)	7.39Y	123.2	0.01	1.85	2.05	1	15	4	97	0.00	0.0	14.735	0.102	0	0	0	6
PL.26540	PL.26992	C	#4 ACSR	7.39Y	123.1	0.00	1.85	1.62	1	12	3	97	0.00	0.0	14.790	0.055	2	1	1	3
PL.26542	PL.26540	C	#1/0 ACSR	7.39Y	123.1	0.00	1.85	1.33	1	10	2	98	0.00	0.0	14.897	0.108	10	2	2	2
PL.26541	PL.26992	C	#4 ACSR	7.39Y	123.2	0.00	1.85	0.00	0	0	0	100	0.00	0.0	14.781	0.046	0	0	1	1
PL.26729	PL.26992	C	6 A (CWC)	7.39Y	123.2	0.00	1.85	0.43	0	3	1	95	0.00	0.0	14.883	0.148	0	0	0	2
PL.26543	PL.26729	C	#4 ACSR	7.39Y	123.2	0.00	1.85	0.00	0	0	0	100	0.00	0.0	15.066	0.183	0	0	1	1
PL.26730	PL.26729	C	6 A (CWC)	7.39Y	123.1	0.00	1.85	0.42	0	3	1	95	0.00	0.0	14.970	0.087	3	1	1	1
PL.26989	PL.26991	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.73	1	5	1	98	0.00	0.0	14.663	0.030	0	0	0	3
PL.26987	PL.26989	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	0.34	0	2	1	89	0.00	0.0	14.684	0.020	0	0	0	2
PL.26988	PL.26987	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	14.756	0.073	0	0	0	0
PL.26538	PL.26987	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	0.34	0	2	1	89	0.00	0.0	14.702	0.018	2	1	2	2
PL.26990	PL.26989	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.39	0	3	1	95	0.00	0.0	14.787	0.123	3	1	1	1
PL.26986	PL.27336	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.71	8.57	4	184	47	97	0.02	0.0	14.301	0.090	0	0	0	74
PL.26906	PL.26986	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.73	8.57	4	184	47	97	0.02	0.0	14.425	0.124	0	0	0	74
PL.27293	PL.26906	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.75	8.44	4	181	46	97	0.02	0.0	14.515	0.090	0	0	2	73
PL.27294	PL.27293	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.76	8.43	4	181	46	97	0.02	0.0	14.627	0.112	0	0	0	71
PL.27291	PL.27294	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.78	8.43	4	181	46	97	0.03	0.0	14.776	0.149	0	0	0	71
PL.27292	PL.27291	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.80	8.43	4	181	46	97	0.01	0.0	14.854	0.078	0	0	1	71
PL.27290	PL.27292	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.80	8.42	4	181	46	97	0.01	0.0	14.899	0.045	6	1	2	70
PL.27289	PL.27290	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.81	8.15	4	175	45	97	0.01	0.0	14.971	0.072	2	1	1	68
PL.27774	PL.27289	B	#1/0 ACSR	7.39Y	123.2	0.02	1.83	21.52	9	154	40	97	0.02	0.0	15.012	0.040	0	0	0	58

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3809	PL.27774	B	T	7.39Y	123.2	0.00	1.83	21.52	0	154	39	97	0.00	0.0	15.012	0.040	0	0	0	58
PL.27775	PD.3809	B	#1/0 ACSR	7.39Y	123.1	0.03	1.87	21.52	9	154	39	97	0.03	0.0	15.075	0.064	2	0	1	58
PL.27419	PL.27775	B	#1/0 ACSR	7.39Y	123.1	0.02	1.88	21.27	9	152	39	97	0.02	0.0	15.108	0.032	0	0	1	57
PL.27418	PL.27419	B	#1/0 ACSR	7.38Y	123.0	0.07	1.96	21.25	9	152	39	97	0.07	0.0	15.254	0.146	2	0	1	56
PL.27417	PL.27418	B	#1/0 ACSR	7.38Y	123.0	0.06	2.02	20.98	9	150	38	97	0.06	0.0	15.381	0.127	0	0	0	55
PL.27415	PL.27417	B	#1/0 ACSR	7.38Y	122.9	0.06	2.08	20.98	9	150	38	97	0.05	0.0	15.493	0.112	1	0	1	55
PL.27416	PL.27415	B	#1/0 ACSR	7.37Y	122.9	0.02	2.10	20.80	9	149	38	97	0.02	0.0	15.541	0.048	3	1	1	54
PL.27414	PL.27416	B	#1/0 ACSR	7.37Y	122.8	0.07	2.17	20.37	9	146	37	97	0.06	0.0	15.680	0.139	0	0	0	53
PL.26909	PL.27414	B	#1/0 ACSR	7.37Y	122.8	0.05	2.22	20.37	9	145	37	97	0.05	0.0	15.789	0.109	0	0	0	53
PL.26555	PL.26909	B	#4 ACSR	7.37Y	122.8	0.00	2.22	0.77	1	5	1	98	0.00	0.0	15.820	0.030	5	1	2	2
PL.26735	PL.26909	B	#1/0 ACSR	7.36Y	122.7	0.05	2.27	19.60	9	140	36	97	0.05	0.0	15.903	0.114	0	0	0	51
PL.26910	PL.26735	B	#1/0 ACSR	7.36Y	122.7	0.08	2.35	19.60	9	140	36	97	0.07	0.1	16.067	0.164	0	0	0	51
PL.27412	PL.26910	B	#1/0 ACSR	7.36Y	122.6	0.04	2.39	18.48	8	132	33	97	0.03	0.0	16.154	0.087	0	0	1	50
PL.27413	PL.27412	B	#1/0 ACSR	7.35Y	122.6	0.05	2.43	18.48	8	132	33	97	0.04	0.0	16.259	0.106	0	0	0	49
PL.26736	PL.27413	B	#4 ACSR	7.35Y	122.6	0.00	2.43	0.88	1	6	2	95	0.00	0.0	16.294	0.034	6	2	1	1
PL.26557	PL.27413	B	#1/0 ACSR	7.35Y	122.5	0.04	2.47	17.60	8	125	32	97	0.03	0.0	16.360	0.101	6	1	1	48
PL.27410	PL.26557	B	#1/0 ACSR	7.35Y	122.5	0.02	2.49	16.78	7	120	30	97	0.02	0.0	16.413	0.053	2	0	2	47
PL.27411	PL.27410	B	#1/0 ACSR	7.35Y	122.5	0.04	2.53	16.52	7	118	30	97	0.03	0.0	16.506	0.093	2	0	2	45
PL.27409	PL.27411	B	#1/0 ACSR	7.35Y	122.4	0.04	2.57	16.26	7	116	29	97	0.03	0.0	16.599	0.093	3	1	2	43
PL.27408	PL.27409	B	#1/0 ACSR	7.34Y	122.4	0.05	2.61	15.78	7	112	28	97	0.03	0.0	16.725	0.126	2	0	1	41
PL.27407	PL.27408	B	#1/0 ACSR	7.34Y	122.4	0.02	2.63	15.56	7	111	28	97	0.01	0.0	16.768	0.042	2	1	1	40
PL.27406	PL.27407	B	#1/0 ACSR	7.34Y	122.3	0.03	2.66	15.25	7	109	27	97	0.02	0.0	16.855	0.088	0	0	0	39
PL.26558	PL.27406	B	#4 ACSR	7.34Y	122.3	0.00	2.66	0.44	0	3	1	95	0.00	0.0	16.911	0.055	3	1	1	1
PL.27404	PL.27406	B	#1/0 ACSR	7.34Y	122.3	0.02	2.68	14.81	6	105	27	97	0.02	0.0	16.922	0.066	8	2	1	38
PL.65808	PL.27404	B	#1/0 ACSR	7.34Y	122.3	0.03	2.72	13.75	6	98	25	97	0.02	0.0	17.024	0.103	0	0	0	37
PL.65809	PL.65808	B	#1/0 ACSR	7.34Y	122.3	0.02	2.73	13.75	6	98	25	97	0.01	0.0	17.076	0.051	0	0	0	37
PL.26911	PL.65809	B	#1/0 ACSR	7.33Y	122.2	0.03	2.77	13.75	6	98	25	97	0.02	0.0	17.181	0.106	0	0	0	37
PL.26912	PL.26911	B	#1/0 ACSR	7.33Y	122.2	0.03	2.80	13.75	6	98	25	97	0.02	0.0	17.279	0.098	0	0	0	37
PL.26913	PL.26912	B	#1/0 ACSR	7.33Y	122.2	0.05	2.84	13.75	6	98	25	97	0.03	0.0	17.419	0.140	0	0	0	37
PL.27402	PL.26913	B	#1/0 ACSR	7.33Y	122.1	0.04	2.88	13.75	6	98	25	97	0.02	0.0	17.532	0.113	3	1	1	37
PL.27403	PL.27402	B	#1/0 ACSR	7.33Y	122.1	0.01	2.89	13.31	6	95	24	97	0.00	0.0	17.548	0.016	0	0	0	36

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26559	PL.27403	B	#1/0 ACSR	7.33Y	122.1	0.03	2.91	12.99	6	92	23	97	0.02	0.0	17.639	0.091	0	0	0	35
PL.27397	PL.26559	B	#1/0 ACSR	7.32Y	122.1	0.03	2.94	12.99	6	92	23	97	0.02	0.0	17.735	0.096	5	1	1	35
PL.27398	PL.27397	B	#1/0 ACSR	7.32Y	122.0	0.02	2.96	12.30	5	87	22	97	0.01	0.0	17.795	0.061	6	2	1	34
PL.26737	PL.27398	B	#4 ACSR	7.32Y	122.0	0.00	2.96	0.55	0	4	1	97	0.00	0.0	17.930	0.135	0	0	0	2
PL.26915	PL.26737	B	#4 ACSR	7.32Y	122.0	0.00	2.96	0.55	0	4	1	97	0.00	0.0	17.985	0.055	0	0	0	2
PL.27395	PL.26915	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.55	0	4	1	97	0.00	0.0	18.103	0.118	0	0	0	2
PL.27396	PL.27395	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.55	0	4	1	97	0.00	0.0	18.202	0.099	0	0	0	2
PL.26565	PL.27396	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.16	0	1	0	100	0.00	0.0	18.370	0.168	0	0	0	1
PL.26916	PL.26565	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.16	0	1	0	100	0.00	0.0	18.499	0.130	0	0	0	1
PL.26917	PL.26916	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.16	0	1	0	100	0.00	0.0	18.651	0.151	0	0	0	1
PL.26918	PL.26917	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.16	0	1	0	100	0.00	0.0	18.799	0.148	1	0	1	1
PL.26738	PL.27396	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	18.267	0.065	0	0	0	0
PL.26564	PL.27396	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.39	0	3	1	95	0.00	0.0	18.252	0.050	3	1	1	1
PL.26562	PL.26915	B	#4 ACSR	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	18.053	0.067	0	0	0	0
PL.26561	PL.27398	B	#1/0 ACSR	7.32Y	122.0	0.02	2.98	10.89	5	77	19	97	0.01	0.0	17.866	0.071	0	0	1	31
PL.26563	PL.26561	B	#1/0 ACSR	7.32Y	122.0	0.03	3.01	10.85	5	77	19	97	0.01	0.0	17.975	0.109	0	0	0	30
PL.26920	PL.26563	B	#1/0 ACSR	7.32Y	122.0	0.03	3.03	10.85	5	77	19	97	0.01	0.0	18.073	0.097	0	0	0	30
PL.26919	PL.26920	B	#1/0 ACSR	7.32Y	121.9	0.05	3.08	10.85	5	77	19	97	0.02	0.0	18.252	0.179	0	0	0	30
PL.26934	PL.26919	B	#1/0 ACSR	7.31Y	121.9	0.02	3.10	10.85	5	77	19	97	0.01	0.0	18.331	0.079	0	0	0	30
PL.26935	PL.26934	B	#1/0 ACSR	7.31Y	121.9	0.03	3.13	10.85	5	77	19	97	0.02	0.0	18.465	0.134	0	0	0	30
PL.26936	PL.26935	B	#1/0 ACSR	7.31Y	121.9	0.02	3.15	10.85	5	77	19	97	0.01	0.0	18.535	0.070	0	0	1	30
PL.27780	PL.26936	B	#1/0 ACSR	7.31Y	121.8	0.00	3.15	10.80	5	77	19	97	0.00	0.0	18.540	0.005	0	0	0	29
PD.3812	PL.27780	B	T	7.31Y	121.8	0.00	3.15	10.80	0	77	19	97	0.00	0.0	18.540	0.005	0	0	0	29
PL.27781	PD.3812	B	#1/0 ACSR	7.31Y	121.8	0.03	3.18	10.80	5	77	19	97	0.01	0.0	18.658	0.118	4	1	2	29
PL.26570	PL.27781	B	#4 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	18.743	0.085	0	0	1	1
PL.26996	PL.27781	B	#1/0 ACSR	7.31Y	121.8	0.00	3.18	10.25	4	73	18	97	0.00	0.0	18.669	0.011	0	0	0	26
PL.26571	PL.26996	B	#4 ACSR	7.31Y	121.8	0.00	3.18	0.09	0	1	0	100	0.00	0.0	18.699	0.030	1	0	1	1
PL.26997	PL.26996	B	#1/0 ACSR	7.31Y	121.8	0.02	3.20	10.16	4	72	18	97	0.01	0.0	18.753	0.084	0	0	1	25
PL.26568	PL.26997	B	#1/0 ACSR	7.31Y	121.8	0.01	3.21	9.38	4	66	17	97	0.00	0.0	18.793	0.039	1	0	2	21
PL.26569	PL.26568	B	#1/0 ACSR	7.31Y	121.8	0.03	3.24	9.17	4	65	16	97	0.01	0.0	18.935	0.142	0	0	0	19
PL.27434	PL.26569	B	#1/0 ACSR	7.30Y	121.7	0.04	3.28	9.17	4	65	16	97	0.02	0.0	19.122	0.187	8	2	2	19

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27435	PL.27434	B	#1/0 ACSR	7.30Y	121.7	0.01	3.29	8.01	3	57	14	97	0.01	0.0	19.200	0.078	6	2	1	17
PL.26572	PL.27435	B	#1/0 ACSR	7.30Y	121.7	0.01	3.31	6.22	3	44	11	97	0.00	0.0	19.282	0.082	0	0	0	15
PL.27432	PL.26572	B	#1/0 ACSR	7.30Y	121.7	0.01	3.31	4.97	2	35	9	97	0.00	0.0	19.353	0.071	12	3	1	13
PL.27433	PL.27432	B	#1/0 ACSR	7.30Y	121.7	0.01	3.33	3.21	1	23	6	97	0.00	0.0	19.536	0.184	0	0	0	12
PL.27426	PL.27433	B	#1/0 ACSR	7.30Y	121.7	0.00	3.33	2.49	1	18	4	98	0.00	0.0	19.600	0.064	6	1	1	7
PL.27427	PL.27426	B	#1/0 ACSR	7.30Y	121.7	0.00	3.33	1.67	1	12	3	97	0.00	0.0	19.705	0.105	0	0	2	6
PL.26579	PL.27427	B	#1/0 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	19.827	0.122	0	0	0	0
PL.26923	PL.26579	B	#1/0 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	19.918	0.091	0	0	0	0
PD.4153-A	PL.26923	B	Open	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	19.918	0.091	0	0	0	0
PL.26573	PL.27427	B	#4 ACSR	7.30Y	121.7	0.01	3.34	1.67	1	12	3	97	0.00	0.0	19.843	0.138	6	1	2	4
PL.26580	PL.26573	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.85	1	6	2	95	0.00	0.0	19.956	0.113	6	2	1	2
PL.27424	PL.26580	B	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	20.003	0.048	0	0	0	1
PL.27425	PL.27424	B	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	20.146	0.142	0	0	1	1
PL.26740	PL.27433	B	#4 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	19.592	0.055	0	0	0	0
PL.27778	PL.27433	B	#4 ACSR	7.30Y	121.7	0.00	3.33	0.72	1	5	1	98	0.00	0.0	19.541	0.005	0	0	0	5
PD.3811	PL.27778	B	T	7.30Y	121.7	0.00	3.33	0.72	0	5	1	98	0.00	0.0	19.541	0.005	0	0	0	5
PL.27779	PD.3811	B	#4 ACSR	7.30Y	121.7	0.00	3.33	0.72	1	5	1	98	0.00	0.0	19.651	0.110	2	0	1	5
PL.27431	PL.27779	B	#4 ACSR	7.30Y	121.7	0.00	3.33	0.45	0	3	1	95	0.00	0.0	19.710	0.058	1	0	1	4
PL.27430	PL.27431	B	#4 ACSR	7.30Y	121.7	0.00	3.33	0.32	0	2	1	89	0.00	0.0	19.817	0.108	0	0	0	3
PL.26924	PL.27430	B	#4 ACSR	7.30Y	121.7	0.00	3.33	0.32	0	2	1	89	0.00	0.0	19.948	0.131	0	0	0	3
PL.26926	PL.26924	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.32	0	2	1	89	0.00	0.0	20.011	0.063	0	0	0	3
PL.26925	PL.26926	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.32	0	2	1	89	0.00	0.0	20.155	0.144	0	0	0	3
PL.26927	PL.26925	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.32	0	2	1	89	0.00	0.0	20.276	0.122	0	0	0	3
PL.26576	PL.26927	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	20.420	0.143	0	0	0	1
PL.26928	PL.26576	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	20.551	0.132	0	0	0	1
PL.27428	PL.26928	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	20.699	0.148	0	0	1	1
PL.27429	PL.27428	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	20.779	0.080	0	0	0	0
PL.26929	PL.27429	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	20.885	0.105	0	0	0	0
PL.26930	PL.26929	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	20.984	0.099	0	0	0	0
PL.26577	PL.26927	B	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.31	0	2	1	89	0.00	0.0	20.281	0.005	0	0	0	2
PL.27776	PL.26577	B	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.31	0	2	1	89	0.00	0.0	20.286	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3810	PL.27776	B	T	7.30Y	121.7	0.00	3.34	0.31	0	2	1	89	0.00	0.0	20.286	0.005	0	0	0	2
PL.27777	PD.3810	B	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.31	0	2	1	89	0.00	0.0	20.383	0.097	0	0	0	2
PL.26574	PL.27777	B	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.31	0	2	1	89	0.00	0.0	20.453	0.070	0	0	0	2
PL.26741	PL.26574	B	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.06	0	0	0	100	0.00	0.0	20.636	0.183	0	0	1	1
PL.26578	PL.26574	B	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.25	0	2	0	100	0.00	0.0	20.486	0.033	2	0	1	1
PL.26739	PL.26572	B	#4 ACSR	7.30Y	121.7	0.01	3.31	1.25	1	9	2	98	0.00	0.0	19.401	0.120	0	0	0	2
PL.26921	PL.26739	B	#4 ACSR	7.30Y	121.7	0.00	3.32	1.25	1	9	2	98	0.00	0.0	19.453	0.052	0	0	0	2
PL.26922	PL.26921	B	#4 ACSR	7.30Y	121.7	0.01	3.32	1.25	1	9	2	98	0.00	0.0	19.605	0.151	0	0	0	2
PL.27422	PL.26922	B	#4 ACSR	7.30Y	121.7	0.01	3.33	1.25	1	9	2	98	0.00	0.0	19.756	0.152	2	0	1	2
PL.27423	PL.27422	B	#4 ACSR	7.30Y	121.7	0.00	3.33	1.02	1	7	2	96	0.00	0.0	19.819	0.063	7	2	1	1
PL.26575	PL.27435	B	#4 ACSR	7.30Y	121.7	0.00	3.30	0.93	1	7	2	96	0.00	0.0	19.251	0.051	7	2	1	1
PL.26567	PL.26997	B	#4 ACSR	7.31Y	121.8	0.00	3.20	0.78	1	6	1	99	0.00	0.0	18.813	0.060	5	1	2	3
PL.26566	PL.26567	B	#4 ACSR	7.31Y	121.8	0.00	3.20	0.07	0	0	0	100	0.00	0.0	18.891	0.078	0	0	1	1
PL.27400	PL.27403	B	#4 ACSR	7.33Y	122.1	0.00	2.89	0.31	0	2	1	89	0.00	0.0	17.637	0.089	0	0	0	1
PL.27401	PL.27400	B	#4 ACSR	7.33Y	122.1	0.00	2.89	0.31	0	2	1	89	0.00	0.0	17.686	0.049	2	1	1	1
PL.27399	PL.27401	B	#4 ACSR	7.33Y	122.1	0.00	2.89	0.00	0	0	0	100	0.00	0.0	17.767	0.081	0	0	0	0
PL.26560	PL.27399	B	#4 ACSR	7.33Y	122.1	0.00	2.89	0.00	0	0	0	100	0.00	0.0	17.948	0.181	0	0	0	0
PL.26914	PL.26560	B	#4 ACSR	7.33Y	122.1	0.00	2.89	0.00	0	0	0	100	0.00	0.0	18.049	0.101	0	0	0	0
PL.65807	PL.65808	B	#1/0 ACSR	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	17.081	0.057	0	0	0	0
PL.65810	PL.65807	B	#1/0 ACSR	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	17.119	0.038	0	0	0	0
PL.26556	PL.26910	B	#4 ACSR	7.36Y	122.6	0.00	2.35	1.12	1	8	2	97	0.00	0.0	16.189	0.122	8	2	1	1
PL.27714	PL.27289	A	#4 ACSR	7.39Y	123.2	0.00	1.81	2.62	2	19	5	97	0.00	0.0	14.976	0.005	0	0	0	9
PD.3776	PL.27714	A	T	7.39Y	123.2	0.00	1.81	2.62	0	19	5	97	0.00	0.0	14.976	0.005	0	0	0	9
PL.27715	PD.3776	A	#4 ACSR	7.39Y	123.2	0.00	1.82	2.62	2	19	5	97	0.00	0.0	15.025	0.049	11	3	6	9
PL.26547	PL.27715	A	#4 ACSR	7.39Y	123.2	0.00	1.82	1.08	1	8	2	97	0.00	0.0	15.156	0.131	5	1	2	3
PL.26548	PL.26547	A	#4 ACSR	7.39Y	123.2	0.00	1.82	0.39	0	3	1	95	0.00	0.0	15.201	0.045	3	1	1	1
PL.26734	PL.26547	A	#4 ACSR	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	15.266	0.110	0	0	0	0
PL.66156	PL.27292	B	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	14.916	0.062	0	0	0	0
PL.27716	PL.26906	A	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.40	0	3	1	95	0.00	0.0	14.430	0.005	0	0	0	1
PD.3777	PL.27716	A	T	7.40Y	123.3	0.00	1.73	0.40	0	3	1	95	0.00	0.0	14.430	0.005	0	0	0	1
PL.27717	PD.3777	A	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.40	0	3	1	95	0.00	0.0	14.447	0.017	0	0	0	1

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26733	PL.27717	A	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.40	0	3	1	95	0.00	0.0	14.543	0.096	0	0	0	1
PL.66154	PL.26733	A	#4 ACSR	7.40Y	123.3	0.00	1.73	0.40	0	3	1	95	0.00	0.0	14.570	0.027	0	0	0	1
PL.66155	PL.66154	A	#4 ACSR	7.40Y	123.3	0.00	1.73	0.40	0	3	1	95	0.00	0.0	14.599	0.030	3	1	1	1
PL.26553	PL.27717	A	#4 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	14.466	0.019	0	0	0	0
PL.26531	PL.27338	B	#1/0 ACSR	7.40Y	123.3	0.00	1.68	1.24	1	9	2	98	0.00	0.0	14.123	0.002	0	0	0	1
PD.3781	PL.26531	B	T	7.40Y	123.3	0.00	1.68	1.24	0	9	2	98	0.00	0.0	14.123	0.002	0	0	0	1
PL.26748	PD.3781	B	#1/0 ACSR	7.40Y	123.3	0.00	1.68	1.24	1	9	2	98	0.00	0.0	14.214	0.091	9	2	1	1
PL.27722	PL.26985	A	6 A (CWC)	7.40Y	123.4	0.00	1.64	0.98	1	7	2	96	0.00	0.0	13.965	0.005	0	0	0	4
PD.3782	PL.27722	A	20T	7.40Y	123.4	0.00	1.64	0.98	0	7	2	96	0.00	0.0	13.965	0.005	0	0	0	4
PL.27723	PD.3782	A	6 A (CWC)	7.40Y	123.4	0.00	1.64	0.98	1	7	2	96	0.00	0.0	14.013	0.049	0	0	1	4
PL.27339	PL.27723	A	6 A (CWC)	7.40Y	123.4	0.00	1.65	0.98	1	7	2	96	0.00	0.0	14.070	0.056	3	1	2	3
PL.26530	PL.27339	A	#4 ACSR	7.40Y	123.4	0.00	1.65	0.57	0	4	1	97	0.00	0.0	14.198	0.128	0	0	0	1
PL.26905	PL.26530	A	#4 ACSR	7.40Y	123.4	0.00	1.65	0.57	0	4	1	97	0.00	0.0	14.265	0.067	4	1	1	1
PL.27724	PL.27340	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.61	0	4	1	97	0.00	0.0	13.889	0.005	0	0	0	1
PD.3783	PL.27724	C	T	7.40Y	123.4	0.00	1.62	0.61	0	4	1	97	0.00	0.0	13.889	0.005	0	0	0	1
PL.27725	PD.3783	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.61	0	4	1	97	0.00	0.0	13.911	0.022	4	1	1	1
PL.26517	PL.26722	C	#4 ACSR	7.42Y	123.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	13.075	0.054	0	0	0	0
PL.27730	PL.26722	C	#4 ACSR	7.42Y	123.6	0.00	1.37	1.83	1	13	3	97	0.00	0.0	13.026	0.005	0	0	0	3
PD.3786	PL.27730	C	20T	7.42Y	123.6	0.00	1.37	1.83	0	13	3	97	0.00	0.0	13.026	0.005	0	0	0	3
PL.27731	PD.3786	C	#4 ACSR	7.42Y	123.6	0.00	1.37	1.83	1	13	3	97	0.00	0.0	13.076	0.050	7	2	2	3
PL.26516	PL.27731	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.81	0	6	1	99	0.00	0.0	13.204	0.128	6	1	1	1
PL.27732	PL.26721	A	#4 ACSR	7.42Y	123.7	0.00	1.33	1.19	1	9	2	98	0.00	0.0	12.905	0.005	0	0	0	1
PD.3787	PL.27732	A	20T	7.42Y	123.7	0.00	1.33	1.19	0	9	2	98	0.00	0.0	12.905	0.005	0	0	0	1
PL.27733	PD.3787	A	#4 ACSR	7.42Y	123.7	0.00	1.33	1.19	1	9	2	98	0.00	0.0	12.997	0.093	9	2	1	1
PL.27736	PL.26720	A	#2 ACSR	7.42Y	123.7	0.00	1.28	0.19	0	1	0	100	0.00	0.0	12.769	0.005	0	0	0	1
PD.3789	PL.27736	A	20T	7.42Y	123.7	0.00	1.28	0.19	0	1	0	100	0.00	0.0	12.769	0.005	0	0	0	1
PL.27737	PD.3789	A	#2 ACSR	7.42Y	123.7	0.00	1.28	0.19	0	1	0	100	0.00	0.0	12.879	0.110	1	0	1	1
PL.27738	PL.26851	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.60	0	4	1	97	0.00	0.0	11.688	0.005	0	0	0	5
PD.3790	PL.27738	A	T	7.45Y	124.1	0.00	0.89	0.60	0	4	1	97	0.00	0.0	11.688	0.005	0	0	0	5
PL.27739	PD.3790	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.60	0	4	1	97	0.00	0.0	11.773	0.085	0	0	0	5
PL.27354	PL.27739	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.60	0	4	1	97	0.00	0.0	11.875	0.101	0	0	1	5

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27353	PL.27354	A	#4 ACSR	7.45Y	124.1	0.00	0.90	0.60	0	4	1	97	0.00	0.0	12.008	0.133	0	0	0	4
PL.26891	PL.27353	A	#4 ACSR	7.45Y	124.1	0.00	0.90	0.60	0	4	1	97	0.00	0.0	12.151	0.143	0	0	0	4
PL.26892	PL.26891	A	#4 ACSR	7.45Y	124.1	0.00	0.90	0.60	0	4	1	97	0.00	0.0	12.260	0.109	0	0	0	4
PL.26940	PL.26892	A	#4 ACSR	7.45Y	124.1	0.00	0.91	0.60	0	4	1	97	0.00	0.0	12.351	0.091	0	0	0	4
PL.27351	PL.26940	A	#4 ACSR	7.45Y	124.1	0.00	0.91	0.60	0	4	1	97	0.00	0.0	12.457	0.106	0	0	1	4
PL.27352	PL.27351	A	#4 ACSR	7.45Y	124.1	0.00	0.91	0.60	0	4	1	97	0.00	0.0	12.554	0.096	0	0	0	3
PL.26893	PL.27352	A	#4 ACSR	7.45Y	124.1	0.00	0.91	0.60	0	4	1	97	0.00	0.0	12.681	0.127	4	1	3	3
PL.27740	PL.26717	A	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.38	0	3	1	95	0.00	0.0	11.333	0.005	0	0	0	1
PD.3791	PL.27740	A	20T	7.45Y	124.2	0.00	0.76	0.38	0	3	1	95	0.00	0.0	11.333	0.005	0	0	0	1
PL.27741	PD.3791	A	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.38	0	3	1	95	0.00	0.0	11.440	0.107	3	1	1	1
PL.27742	PL.27356	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.96	1	7	2	96	0.00	0.0	11.197	0.005	0	0	0	2
PD.3792	PL.27742	A	10T	7.46Y	124.3	0.00	0.71	0.96	0	7	2	96	0.00	0.0	11.197	0.005	0	0	0	2
PL.27743	PD.3792	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.96	1	7	2	96	0.00	0.0	11.301	0.104	2	0	1	2
PL.27349	PL.27743	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.73	1	5	1	98	0.00	0.0	11.343	0.042	5	1	1	1
PL.27744	PL.26848	A	6 A (CWC)	7.47Y	124.4	0.00	0.58	0.06	0	0	0	100	0.00	0.0	10.852	0.005	0	0	0	2
PD.3793	PL.27744	A	20T	7.47Y	124.4	0.00	0.58	0.06	0	0	0	100	0.00	0.0	10.852	0.005	0	0	0	2
PL.27745	PD.3793	A	6 A (CWC)	7.47Y	124.4	0.00	0.58	0.06	0	0	0	100	0.00	0.0	10.948	0.097	0	0	2	2
PL.27746	PL.26978	C	#4 ACSR	7.47Y	124.5	0.00	0.49	0.57	0	4	1	97	0.00	0.0	10.626	0.005	0	0	0	1
PD.3794	PL.27746	C	20T	7.47Y	124.5	0.00	0.49	0.57	0	4	1	97	0.00	0.0	10.626	0.005	0	0	0	1
PL.27747	PD.3794	C	#4 ACSR	7.47Y	124.5	0.00	0.49	0.57	0	4	1	97	0.00	0.0	10.677	0.051	4	1	1	1
PL.27834	PL.26707	ABC	6 A (CWC)	7.34Y	122.4	0.02	2.59	12.73	9	272	69	97	0.03	0.0	10.064	0.031	0	0	0	81
PD.3837-A	PL.27834	ABC	Closed	7.34Y	122.4	0.00	2.59	12.73	0	272	69	97	0.00	0.0	10.064	0.031	0	0	0	81
PD.3837-B	PD.3837-A	ABC	Closed	7.34Y	122.4	0.00	2.59	12.73	0	272	69	97	0.00	0.0	10.064	0.031	0	0	0	81
PL.27835	PD.3837-B	ABC	6 A (CWC)	7.34Y	122.3	0.08	2.67	12.73	9	272	69	97	0.17	0.1	10.226	0.162	2	0	2	81
PL.27231	PL.27835	ABC	6 A (CWC)	7.34Y	122.3	0.03	2.70	12.64	9	270	68	97	0.06	0.0	10.285	0.060	0	0	0	79
PL.27229	PL.27231	ABC	6 A (CWC)	7.33Y	122.2	0.05	2.75	12.35	9	264	67	97	0.11	0.0	10.392	0.107	8	2	1	77
PL.27230	PL.27229	ABC	6 A (CWC)	7.33Y	122.2	0.05	2.80	11.96	9	255	64	97	0.10	0.0	10.497	0.105	0	0	0	76
PL.27660	PL.27230	A	6 A (CWC)	7.33Y	122.2	0.00	2.80	2.51	2	18	4	98	0.00	0.0	10.502	0.005	0	0	0	5
PD.3748	PL.27660	A	30T	7.33Y	122.2	0.00	2.80	2.51	0	18	4	98	0.00	0.0	10.502	0.005	0	0	0	5
PL.27661	PD.3748	A	6 A (CWC)	7.33Y	122.2	0.01	2.81	2.51	2	18	4	98	0.00	0.0	10.584	0.082	13	3	3	5
PL.27228	PL.27661	A	6 A (CWC)	7.33Y	122.2	0.00	2.81	0.64	0	5	1	98	0.00	0.0	10.645	0.061	5	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26708	PL.27230	ABC	6 A (CWC)	7.33Y	122.1	0.06	2.86	11.12	8	237	60	97	0.11	0.0	10.636	0.139	0	0	0	71
PL.26835	PL.26708	ABC	6 A (CWC)	7.32Y	122.1	0.06	2.92	11.12	8	237	60	97	0.11	0.0	10.776	0.140	0	0	0	71
PL.27223	PL.26835	ABC	6 A (CWC)	7.32Y	122.0	0.05	2.97	11.03	8	235	59	97	0.09	0.0	10.884	0.108	6	2	1	70
PL.27224	PL.27223	ABC	6 A (CWC)	7.32Y	122.0	0.01	2.98	10.74	8	229	58	97	0.02	0.0	10.910	0.025	0	0	0	69
PL.26709	PL.27224	ABC	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.40	0	9	2	98	0.00	0.0	10.945	0.035	9	2	1	1
PL.27836	PL.27224	B	#4 ACSR	7.32Y	122.0	0.00	2.98	29.91	23	212	54	97	0.01	0.0	10.912	0.003	0	0	0	63
PD.3838	PL.27836	B	70L	7.32Y	122.0	0.00	2.98	29.91	43	212	54	97	0.00	0.0	10.912	0.003	0	0	0	63
PL.27837	PD.3838	B	#4 ACSR	7.32Y	121.9	0.07	3.06	29.91	23	212	54	97	0.12	0.1	10.969	0.057	9	2	1	63
PL.27225	PL.27837	B	#4 ACSR	7.31Y	121.9	0.05	3.11	28.59	22	203	51	97	0.08	0.0	11.011	0.042	0	0	0	62
PL.27226	PL.27225	B	#4 ACSR	7.31Y	121.9	0.00	3.11	1.88	1	13	3	97	0.00	0.0	11.069	0.058	3	1	2	3
PL.27227	PL.27226	B	#4 ACSR	7.31Y	121.9	0.00	3.12	1.39	1	10	2	98	0.00	0.0	11.121	0.052	10	2	1	1
PL.26403	PL.27225	B	6 A (CWC)	7.30Y	121.7	0.23	3.34	26.71	19	189	48	97	0.32	0.2	11.197	0.186	0	0	0	59
PL.26404	PL.26403	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.42	0	3	1	95	0.00	0.0	11.233	0.036	3	1	2	2
PL.27220	PL.26403	B	6 A (CWC)	7.29Y	121.6	0.11	3.45	26.30	19	186	47	97	0.15	0.1	11.294	0.097	16	4	2	57
PL.27221	PL.27220	B	6 A (CWC)	7.29Y	121.5	0.10	3.54	24.10	17	170	43	97	0.13	0.1	11.384	0.090	0	0	0	55
PL.26836	PL.27221	B	6 A (CWC)	7.28Y	121.3	0.12	3.66	24.10	17	170	43	97	0.15	0.1	11.492	0.108	0	0	1	55
PL.27656	PL.26836	B	6 A (CWC)	7.28Y	121.3	0.00	3.66	3.35	2	24	6	97	0.00	0.0	11.496	0.005	0	0	0	5
PD.3746	PL.27656	B	15T	7.28Y	121.3	0.00	3.66	3.35	0	24	6	97	0.00	0.0	11.496	0.005	0	0	0	5
PL.27657	PD.3746	B	6 A (CWC)	7.28Y	121.3	0.01	3.68	3.35	2	24	6	97	0.00	0.0	11.594	0.098	0	0	0	5
PL.26837	PL.27657	B	6 A (CWC)	7.28Y	121.3	0.02	3.69	3.35	2	24	6	97	0.00	0.0	11.696	0.102	0	0	0	5
PL.26482	PL.26837	B	6 A (CWC)	7.28Y	121.3	0.02	3.71	3.35	2	24	6	97	0.00	0.0	11.828	0.132	0	0	0	5
PL.26710	PL.26482	B	6 A (CWC)	7.28Y	121.3	0.01	3.72	2.60	2	18	5	96	0.00	0.0	11.886	0.059	0	0	0	4
PL.26485	PL.26710	B	6 A (CWC)	7.28Y	121.3	0.00	3.72	0.52	0	4	1	97	0.00	0.0	11.953	0.067	4	1	1	1
PL.26486	PL.26710	B	#2 ACSR	7.28Y	121.3	0.00	3.72	1.22	1	9	2	98	0.00	0.0	11.968	0.082	9	2	1	1
PL.26484	PL.26710	B	6 A (CWC)	7.28Y	121.3	0.00	3.72	0.86	1	6	2	95	0.00	0.0	11.920	0.034	6	2	2	2
PL.26480	PL.26482	B	#2 ACSR	7.28Y	121.3	0.00	3.72	0.75	0	5	1	98	0.00	0.0	11.914	0.086	0	0	0	1
PL.26711	PL.26480	B	#2 ACSR	7.28Y	121.3	0.00	3.72	0.75	0	5	1	98	0.00	0.0	12.015	0.101	5	1	1	1
PL.26481	PL.26480	B	#2 ACSR	7.28Y	121.3	0.00	3.72	0.00	0	0	0	100	0.00	0.0	11.969	0.055	0	0	0	0
PL.27217	PL.26836	B	6 A (CWC)	7.27Y	121.2	0.12	3.79	20.71	15	146	37	97	0.14	0.1	11.622	0.131	0	0	1	49
PL.27218	PL.27217	B	6 A (CWC)	7.27Y	121.2	0.04	3.82	20.71	15	146	37	97	0.04	0.0	11.661	0.039	0	0	2	48
PL.27219	PL.27218	B	6 A (CWC)	7.27Y	121.1	0.08	3.90	20.70	15	146	37	97	0.09	0.1	11.745	0.083	0	0	0	46

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26491	PL.27219	B	6 A (CWC)	7.26Y	121.0	0.08	3.98	20.70	15	146	37	97	0.09	0.1	11.831	0.086	0	0	0	46
PL.27331	PL.26491	B	6 A (CWC)	7.26Y	120.9	0.08	4.06	18.33	13	129	32	97	0.08	0.1	11.927	0.096	7	2	1	41
PL.27332	PL.27331	B	6 A (CWC)	7.25Y	120.8	0.14	4.20	17.39	12	122	31	97	0.13	0.1	12.107	0.180	5	1	1	40
PL.27330	PL.27332	B	6 A (CWC)	7.25Y	120.8	0.05	4.24	16.67	12	117	29	97	0.04	0.0	12.170	0.063	8	2	1	39
PL.27329	PL.27330	B	6 A (CWC)	7.24Y	120.7	0.08	4.32	15.58	11	110	27	97	0.07	0.1	12.281	0.111	0	0	0	38
PL.26980	PL.27329	B	6 A (CWC)	7.24Y	120.6	0.06	4.38	12.98	9	91	23	97	0.04	0.0	12.384	0.103	0	0	0	36
PL.27327	PL.26980	B	6 A (CWC)	7.23Y	120.6	0.05	4.44	11.85	8	83	21	97	0.03	0.0	12.483	0.099	3	1	1	34
PL.27328	PL.27327	B	6 A (CWC)	7.23Y	120.5	0.03	4.47	11.35	8	80	20	97	0.02	0.0	12.544	0.061	3	1	2	33
PL.27326	PL.27328	B	6 A (CWC)	7.23Y	120.5	0.05	4.52	10.96	8	77	19	97	0.03	0.0	12.659	0.115	8	2	2	31
PL.27325	PL.27326	B	6 A (CWC)	7.23Y	120.4	0.03	4.55	9.77	7	68	17	97	0.02	0.0	12.732	0.074	5	1	1	29
PL.27324	PL.27325	B	6 A (CWC)	7.22Y	120.4	0.04	4.60	9.12	7	64	16	97	0.02	0.0	12.835	0.103	0	0	0	28
PL.27720	PL.27324	B	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.54	0	4	1	97	0.00	0.0	12.839	0.005	0	0	0	1
PD.3779	PL.27720	B	15T	7.22Y	120.4	0.00	4.60	0.54	0	4	1	97	0.00	0.0	12.839	0.005	0	0	0	1
PL.27721	PD.3779	B	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.54	0	4	1	97	0.00	0.0	13.004	0.165	4	1	1	1
PL.27322	PL.27324	B	6 A (CWC)	7.22Y	120.4	0.03	4.63	8.58	6	60	15	97	0.01	0.0	12.917	0.083	0	0	1	27
PL.27323	PL.27322	B	6 A (CWC)	7.22Y	120.3	0.07	4.70	8.58	6	60	15	97	0.03	0.1	13.104	0.186	0	0	1	26
PL.27321	PL.27323	B	6 A (CWC)	7.21Y	120.2	0.06	4.76	8.52	6	60	15	97	0.03	0.0	13.248	0.145	0	0	0	25
PL.26503	PL.27321	B	#4 ACSR	7.21Y	120.2	0.05	4.80	7.96	6	56	14	97	0.02	0.0	13.377	0.128	0	0	0	22
PL.26838	PL.26503	B	#4 ACSR	7.21Y	120.1	0.06	4.86	7.96	6	56	14	97	0.03	0.0	13.555	0.178	0	0	0	22
PL.26712	PL.26838	B	#4 ACSR	7.21Y	120.1	0.01	4.88	2.27	2	16	4	97	0.00	0.0	13.689	0.134	0	0	0	7
PL.26510	PL.26712	B	#2 ACSR	7.21Y	120.1	0.00	4.88	1.42	1	10	2	98	0.00	0.0	13.770	0.081	1	0	1	2
PL.26511	PL.26510	B	#1/0 ACSR	7.21Y	120.1	0.00	4.88	1.23	1	9	2	98	0.00	0.0	13.799	0.029	9	2	1	1
PL.26501	PL.26712	B	#4 ACSR	7.21Y	120.1	0.00	4.88	0.00	0	0	0	100	0.00	0.0	13.770	0.081	0	0	2	2
PL.26509	PL.26712	B	6 A (CWC)	7.21Y	120.1	0.00	4.88	0.86	1	6	1	99	0.00	0.0	13.713	0.024	6	1	3	3
PL.27315	PL.26838	B	#4 ACSR	7.21Y	120.1	0.03	4.90	5.05	4	35	9	97	0.01	0.0	13.710	0.156	6	2	1	14
PL.27316	PL.27315	B	#4 ACSR	7.21Y	120.1	0.01	4.91	4.12	3	29	7	97	0.00	0.0	13.779	0.069	0	0	0	13
PL.26514	PL.27316	B	#1/0 ACSR	7.21Y	120.1	0.00	4.91	0.00	0	0	0	100	0.00	0.0	13.821	0.041	0	0	1	1
PL.26713	PL.27316	B	#4 ACSR	7.20Y	120.1	0.02	4.93	4.12	3	29	7	97	0.00	0.0	13.902	0.123	5	1	1	12
PL.26500	PL.26713	B	6 A (CWC)	7.20Y	120.1	0.02	4.95	3.47	2	24	6	97	0.00	0.0	14.022	0.120	0	0	0	11
PL.27718	PL.26500	B	6 A (CWC)	7.20Y	120.1	0.00	4.95	3.47	2	24	6	97	0.00	0.0	14.027	0.005	0	0	0	11
PD.3778	PL.27718	B	15T	7.20Y	120.1	0.00	4.95	3.47	0	24	6	97	0.00	0.0	14.027	0.005	0	0	0	11

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27719	PD.3778	B	6 A (CWC)	7.20Y	120.0	0.01	4.96	3.47	2	24	6	97	0.00	0.0	14.086	0.059	0	0	0	11
PL.26714	PL.27719	B	6 A (CWC)	7.20Y	120.0	0.01	4.97	2.37	2	17	4	97	0.00	0.0	14.225	0.139	0	0	0	8
PL.27313	PL.26714	B	6 A (CWC)	7.20Y	120.0	0.01	4.98	2.37	2	17	4	97	0.00	0.0	14.292	0.067	10	2	2	8
PL.27314	PL.27313	B	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.98	1	7	2	96	0.00	0.0	14.414	0.122	3	1	3	6
PL.26499	PL.27314	B	#4 ACSR	7.20Y	120.0	0.00	4.98	0.53	0	4	1	97	0.00	0.0	14.555	0.141	0	0	0	3
PL.26498	PL.26499	B	#4 ACSR	7.20Y	120.0	0.00	4.99	0.52	0	4	1	97	0.00	0.0	14.743	0.188	0	0	0	2
PL.26840	PL.26498	B	#4 ACSR	7.20Y	120.0	0.00	4.99	0.52	0	4	1	97	0.00	0.0	14.850	0.107	4	1	2	2
PL.26495	PL.26499	B	#2 ACSR	7.20Y	120.0	0.00	4.98	0.01	0	0	0	100	0.00	0.0	14.718	0.163	0	0	0	1
PL.26497	PL.26495	B	#1/0 ACSR	7.20Y	120.0	0.00	4.98	0.01	0	0	0	100	0.00	0.0	14.721	0.003	0	0	0	1
PL.26496	PL.26497	B	#1/0 ACSR	7.20Y	120.0	0.00	4.98	0.01	0	0	0	100	0.00	0.0	14.767	0.046	0	0	1	1
PL.27311	PL.27719	B	6 A (CWC)	7.20Y	120.0	0.00	4.96	1.10	1	8	2	97	0.00	0.0	14.113	0.027	1	0	1	3
PL.27312	PL.27311	B	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.93	1	7	2	96	0.00	0.0	14.223	0.110	0	0	0	2
PL.26839	PL.27312	B	6 A (CWC)	7.20Y	120.0	0.01	4.97	0.93	1	7	2	96	0.00	0.0	14.365	0.142	0	0	0	2
PL.27309	PL.26839	B	6 A (CWC)	7.20Y	120.0	0.00	4.97	0.93	1	7	2	96	0.00	0.0	14.423	0.057	0	0	0	2
PL.27310	PL.27309	B	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.93	1	7	2	96	0.00	0.0	14.589	0.167	7	2	2	2
PL.26502	PL.26838	B	#4 ACSR	7.21Y	120.1	0.00	4.87	0.64	0	4	1	97	0.00	0.0	13.690	0.136	4	1	1	1
PL.26515	PL.26502	B	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.00	0	0	0	100	0.00	0.0	13.729	0.038	0	0	0	0
PL.27319	PL.27321	B	6 A (CWC)	7.21Y	120.2	0.00	4.76	0.56	0	4	1	97	0.00	0.0	13.326	0.078	0	0	1	3
PL.27320	PL.27319	B	6 A (CWC)	7.21Y	120.2	0.00	4.76	0.50	0	4	1	97	0.00	0.0	13.456	0.130	2	0	1	2
PL.27318	PL.27320	B	6 A (CWC)	7.21Y	120.2	0.00	4.76	0.23	0	2	0	100	0.00	0.0	13.629	0.173	2	0	1	1
PL.27317	PL.27318	B	6 A (CWC)	7.21Y	120.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	13.687	0.058	0	0	0	0
PL.26506	PL.26980	B	6 A (CWC)	7.24Y	120.6	0.00	4.39	1.13	1	8	2	97	0.00	0.0	12.426	0.042	5	1	1	2
PL.26507	PL.26506	B	6 A (CWC)	7.24Y	120.6	0.00	4.39	0.40	0	3	1	95	0.00	0.0	12.484	0.058	0	0	0	1
PL.26508	PL.26507	B	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.40	0	3	1	95	0.00	0.0	12.562	0.078	3	1	1	1
PL.26504	PL.27329	B	#2 ACSR	7.24Y	120.7	0.00	4.33	2.61	1	18	5	96	0.00	0.0	12.310	0.029	7	2	1	2
PL.26505	PL.26504	B	#1/0 ACSR	7.24Y	120.7	0.00	4.33	1.57	1	11	3	96	0.00	0.0	12.353	0.043	11	3	1	1
PL.26489	PL.26491	B	6 A (CWC)	7.26Y	121.0	0.01	3.99	1.42	1	10	2	98	0.00	0.0	11.925	0.094	0	0	0	2
PL.26487	PL.26489	B	6 A (CWC)	7.26Y	121.0	0.00	3.99	1.42	1	10	2	98	0.00	0.0	12.017	0.092	3	1	1	2
PL.26488	PL.26487	B	#4 ACSR	7.26Y	121.0	0.00	3.99	0.95	1	7	2	96	0.00	0.0	12.034	0.017	0	0	0	1
PL.27333	PL.26488	B	#4 ACSR	7.26Y	121.0	0.00	4.00	0.95	1	7	2	96	0.00	0.0	12.120	0.086	7	2	1	1
PL.27334	PL.27333	B	#4 ACSR	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	12.164	0.044	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26981	PL.26491	B	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.95	1	7	2	96	0.00	0.0	11.893	0.062	0	0	0	3
PL.26490	PL.26981	B	#2 ACSR	7.26Y	121.0	0.00	3.99	0.89	1	6	2	95	0.00	0.0	11.978	0.085	6	2	1	1
PL.26982	PL.26981	B	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.07	0	0	0	100	0.00	0.0	11.982	0.089	0	0	1	2
PL.26492	PL.26982	B	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.07	0	0	0	100	0.00	0.0	12.019	0.037	0	0	0	1
PL.26493	PL.26492	B	#4 ACSR	7.26Y	121.0	0.00	3.98	0.07	0	0	0	100	0.00	0.0	12.125	0.106	0	0	0	1
PL.26494	PL.26493	B	#4 ACSR	7.26Y	121.0	0.00	3.98	0.07	0	0	0	100	0.00	0.0	12.179	0.054	0	0	1	1
PL.27814	PL.27224	A	6 A (CWC)	7.32Y	122.0	0.00	2.98	1.10	1	8	2	97	0.00	0.0	10.914	0.005	0	0	0	5
PD.3828	PL.27814	A	30T	7.32Y	122.0	0.00	2.98	1.10	0	8	2	97	0.00	0.0	10.914	0.005	0	0	0	5
PL.27815	PD.3828	A	6 A (CWC)	7.32Y	122.0	0.00	2.98	1.10	1	8	2	97	0.00	0.0	10.949	0.035	4	1	1	5
PL.27222	PL.27815	A	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.56	0	4	1	97	0.00	0.0	11.022	0.073	4	1	4	4
PL.27658	PL.26835	A	#2 ACSR	7.32Y	122.1	0.00	2.92	0.27	0	2	0	100	0.00	0.0	10.781	0.005	0	0	0	1
PD.3747	PL.27658	A	30T	7.32Y	122.1	0.00	2.92	0.27	0	2	0	100	0.00	0.0	10.781	0.005	0	0	0	1
PL.27659	PD.3747	A	#2 ACSR	7.32Y	122.1	0.00	2.92	0.27	0	2	0	100	0.00	0.0	10.960	0.180	2	0	1	1
PL.26402	PL.27659	A	#2 ACSR	7.32Y	122.1	0.00	2.92	0.00	0	0	0	100	0.00	0.0	10.973	0.013	0	0	0	0
PL.27662	PL.27231	B	#4 ACSR	7.34Y	122.3	0.00	2.70	0.87	1	6	2	95	0.00	0.0	10.290	0.005	0	0	0	2
PD.3749	PL.27662	B	30T	7.34Y	122.3	0.00	2.70	0.87	0	6	2	95	0.00	0.0	10.290	0.005	0	0	0	2
PL.27663	PD.3749	B	#4 ACSR	7.34Y	122.3	0.00	2.71	0.87	1	6	2	95	0.00	0.0	10.407	0.118	0	0	0	2
PL.26483	PL.27663	B	#4 ACSR	7.34Y	122.3	0.00	2.71	0.87	1	6	2	95	0.00	0.0	10.544	0.136	6	2	2	2
PL.27664	PL.26834	A	#2 ACSR	7.35Y	122.5	0.00	2.55	0.41	0	3	1	95	0.00	0.0	9.922	0.005	0	0	0	1
PD.3750	PL.27664	A	15T	7.35Y	122.5	0.00	2.55	0.41	0	3	1	95	0.00	0.0	9.922	0.005	0	0	0	1
PL.27665	PD.3750	A	#2 ACSR	7.35Y	122.5	0.00	2.55	0.41	0	3	1	95	0.00	0.0	9.983	0.061	3	1	1	1
PL.27668	PL.26703	A	#2 ACSR	7.35Y	122.5	0.00	2.47	1.21	1	9	2	98	0.00	0.0	9.639	0.005	0	0	0	1
PD.3752	PL.27668	A	30T	7.35Y	122.5	0.00	2.47	1.21	0	9	2	98	0.00	0.0	9.639	0.005	0	0	0	1
PL.27669	PD.3752	A	#2 ACSR	7.35Y	122.5	0.00	2.47	1.21	1	9	2	98	0.00	0.0	9.684	0.044	9	2	1	1
PL.26975	PL.26832	C	#2 ACSR	7.36Y	122.7	0.00	2.32	1.22	1	9	2	98	0.00	0.0	9.114	0.004	0	0	0	1
PD.3754	PL.26975	C	40T	7.36Y	122.7	0.00	2.32	1.22	0	9	2	98	0.00	0.0	9.114	0.004	0	0	0	1
PL.26976	PD.3754	C	#2 ACSR	7.36Y	122.7	0.00	2.32	1.22	1	9	2	98	0.00	0.0	9.136	0.022	9	2	1	1
PL.26398	PD.3754	C	#2 ACSR	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	9.171	0.057	0	0	0	0
PL.27854	PL.26667	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.12	27.17	12	582	151	97	0.13	0.0	8.393	0.064	0	0	0	183
PL.27855	PL.27854	ABC	#1/0 ACSR	7.37Y	122.8	0.05	2.18	27.17	12	582	151	97	0.22	0.0	8.506	0.113	0	0	0	183
PL.26792	PL.27855	ABC	#1/0 ACSR	7.37Y	122.8	0.05	2.23	27.17	12	581	150	97	0.22	0.0	8.618	0.111	0	0	0	183

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26793	PL.26792	ABC	#1/0 ACSR	7.36Y	122.7	0.07	2.30	27.17	12	581	150	97	0.27	0.0	8.755	0.137	0	0	0	183
PL.26794	PL.26793	ABC	#1/0 ACSR	7.36Y	122.6	0.07	2.37	27.17	12	581	150	97	0.28	0.0	8.899	0.145	0	0	0	183
PL.27213	PL.26794	ABC	#1/0 ACSR	7.36Y	122.6	0.04	2.40	27.17	12	581	150	97	0.15	0.0	8.975	0.076	11	3	2	183
PL.27214	PL.27213	ABC	#1/0 ACSR	7.35Y	122.5	0.06	2.46	26.65	12	569	147	97	0.24	0.0	9.101	0.126	0	0	0	181
PL.27650	PL.27214	C	#4 ACSR	7.35Y	122.5	0.00	2.46	0.78	1	6	1	99	0.00	0.0	9.106	0.005	0	0	0	2
PD.3743	PL.27650	C	25T	7.35Y	122.5	0.00	2.46	0.78	0	6	1	99	0.00	0.0	9.106	0.005	0	0	0	2
PL.27651	PD.3743	C	#4 ACSR	7.35Y	122.5	0.00	2.47	0.78	1	6	1	99	0.00	0.0	9.178	0.072	1	0	1	2
PL.27212	PL.27651	C	#4 ACSR	7.35Y	122.5	0.00	2.47	0.59	0	4	1	97	0.00	0.0	9.207	0.029	4	1	1	1
PL.27210	PL.27214	ABC	#1/0 ACSR	7.35Y	122.5	0.05	2.52	26.39	11	564	145	97	0.21	0.0	9.219	0.117	13	3	2	179
PL.27211	PL.27210	ABC	#1/0 ACSR	7.35Y	122.4	0.05	2.56	25.76	11	550	142	97	0.17	0.0	9.317	0.098	0	0	0	177
PL.27648	PL.27211	A	#2 ACSR	7.35Y	122.4	0.00	2.56	0.80	0	6	1	99	0.00	0.0	9.321	0.005	0	0	0	2
PD.3742	PL.27648	A	25T	7.35Y	122.4	0.00	2.56	0.80	0	6	1	99	0.00	0.0	9.321	0.005	0	0	0	2
PL.27649	PD.3742	A	#2 ACSR	7.35Y	122.4	0.00	2.56	0.80	0	6	1	99	0.00	0.0	9.414	0.093	6	1	2	2
PL.26668	PL.27211	ABC	#1/0 ACSR	7.35Y	122.4	0.01	2.57	25.49	11	544	140	97	0.03	0.0	9.335	0.018	0	0	0	175
PL.27646	PL.26668	A	#2 ACSR	7.35Y	122.4	0.00	2.57	1.82	1	13	3	97	0.00	0.0	9.339	0.005	0	0	0	2
PD.3741	PL.27646	A	15T	7.35Y	122.4	0.00	2.57	1.82	0	13	3	97	0.00	0.0	9.339	0.005	0	0	0	2
PL.27647	PD.3741	A	#2 ACSR	7.35Y	122.4	0.00	2.58	1.82	1	13	3	97	0.00	0.0	9.445	0.106	7	2	1	2
PL.27286	PL.27647	A	#2 ACSR	7.35Y	122.4	0.00	2.58	0.85	0	6	2	95	0.00	0.0	9.601	0.156	0	0	0	1
PL.26411	PL.27286	A	#4 ACSR	7.35Y	122.4	0.00	2.58	0.85	1	6	2	95	0.00	0.0	9.675	0.074	6	2	1	1
PL.26669	PL.26668	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.59	24.89	11	531	137	97	0.08	0.0	9.382	0.047	0	0	0	173
PL.26405	PL.26669	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.64	24.89	11	531	137	97	0.18	0.0	9.491	0.109	0	0	0	173
PL.26795	PL.26405	ABC	#1/0 ACSR	7.34Y	122.3	0.06	2.71	24.89	11	531	136	97	0.24	0.0	9.635	0.145	0	0	0	173
PL.26796	PL.26795	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.73	24.89	11	531	136	97	0.10	0.0	9.695	0.060	0	0	0	173
PL.26670	PL.26796	ABC	#1/0 ACSR	7.33Y	122.2	0.05	2.78	24.38	11	520	133	97	0.17	0.0	9.802	0.107	0	0	0	172
PL.26797	PL.26670	ABC	#1/0 ACSR	7.33Y	122.2	0.07	2.85	24.38	11	520	133	97	0.24	0.0	9.955	0.152	0	0	0	172
PL.27710	PL.26797	C	#4 ACSR	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	9.959	0.005	0	0	0	0
PD.3774	PL.27710	C	30T	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	9.959	0.005	0	0	0	0
PL.27711	PD.3774	C	#4 ACSR	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	9.991	0.032	0	0	0	0
PL.26798	PL.26797	ABC	#1/0 ACSR	7.33Y	122.1	0.05	2.90	24.38	11	519	133	97	0.19	0.0	10.073	0.119	0	0	0	172
PL.27284	PL.26798	ABC	#1/0 ACSR	7.32Y	122.1	0.04	2.93	24.11	10	513	131	97	0.13	0.0	10.159	0.086	4	1	1	167
PL.27285	PL.27284	ABC	#1/0 ACSR	7.32Y	122.0	0.06	2.99	23.92	10	509	130	97	0.20	0.0	10.291	0.132	0	0	0	166

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26799	PL.27285	ABC	#1/0 ACSR	7.32Y	122.0	0.03	3.02	23.92	10	509	130	97	0.11	0.0	10.366	0.075	0	0	0	166
PL.27282	PL.26799	ABC	#1/0 ACSR	7.32Y	122.0	0.03	3.05	23.92	10	509	130	97	0.09	0.0	10.425	0.059	0	0	0	166
PL.27283	PL.27282	ABC	#1/0 ACSR	7.32Y	121.9	0.03	3.07	23.92	10	509	130	97	0.10	0.0	10.488	0.063	0	0	1	166
PL.27281	PL.27283	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.11	23.92	10	509	130	97	0.11	0.0	10.561	0.073	0	0	0	165
PL.27706	PL.27281	C	#2 ACSR	7.31Y	121.9	0.00	3.11	1.31	1	9	2	98	0.00	0.0	10.566	0.005	0	0	0	6
PD.3772	PL.27706	C	40T	7.31Y	121.9	0.00	3.11	1.31	0	9	2	98	0.00	0.0	10.566	0.005	0	0	0	6
PL.27707	PD.3772	C	#2 ACSR	7.31Y	121.9	0.00	3.11	1.31	1	9	2	98	0.00	0.0	10.626	0.060	6	2	1	6
PL.26407	PL.27707	C	#4 ACSR	7.31Y	121.9	0.00	3.11	0.41	0	3	1	95	0.00	0.0	10.693	0.067	0	0	1	5
PL.26415	PL.26407	C	#1/0 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	10.731	0.038	0	0	1	1
PL.26414	PL.26407	C	#4 ACSR	7.31Y	121.9	0.00	3.11	0.41	0	3	1	95	0.00	0.0	10.741	0.048	0	0	1	3
PL.27279	PL.26414	C	#2 ACSR	7.31Y	121.9	0.00	3.11	0.36	0	3	1	95	0.00	0.0	10.773	0.033	0	0	1	2
PL.27280	PL.27279	C	#2 ACSR	7.31Y	121.9	0.00	3.11	0.36	0	3	1	95	0.00	0.0	10.836	0.063	0	0	0	1
PL.26416	PL.27280	C	#2 ACSR	7.31Y	121.9	0.00	3.11	0.36	0	3	1	95	0.00	0.0	10.947	0.111	3	1	1	1
PL.27277	PL.27281	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.13	23.49	10	499	127	97	0.08	0.0	10.615	0.054	0	0	1	159
PL.27278	PL.27277	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.14	23.48	10	499	127	97	0.05	0.0	10.646	0.031	6	2	1	158
PL.27276	PL.27278	ABC	#1/0 ACSR	7.31Y	121.8	0.05	3.19	23.19	10	493	126	97	0.18	0.0	10.775	0.129	0	0	0	157
PL.27704	PL.27276	C	#2 ACSR	7.31Y	121.8	0.00	3.19	3.34	2	24	6	97	0.00	0.0	10.780	0.005	0	0	0	3
PD.3771	PL.27704	C	30T	7.31Y	121.8	0.00	3.19	3.34	0	24	6	97	0.00	0.0	10.780	0.005	0	0	0	3
PL.27705	PD.3771	C	#2 ACSR	7.31Y	121.8	0.01	3.20	3.34	2	24	6	97	0.00	0.0	10.862	0.083	0	0	0	3
PL.26417	PL.27705	C	6 A (CWC)	7.31Y	121.8	0.02	3.22	3.34	2	24	6	97	0.00	0.0	10.989	0.126	0	0	0	3
PL.26800	PL.26417	C	6 A (CWC)	7.31Y	121.8	0.02	3.24	3.34	2	24	6	97	0.00	0.0	11.091	0.102	0	0	0	3
PL.26801	PL.26800	C	6 A (CWC)	7.30Y	121.7	0.01	3.25	3.34	2	24	6	97	0.00	0.0	11.203	0.112	7	2	1	3
PL.27274	PL.26801	C	#4 ACSR	7.30Y	121.7	0.01	3.26	2.31	2	16	4	97	0.00	0.0	11.275	0.072	9	2	1	2
PL.27275	PL.27274	C	#4 ACSR	7.30Y	121.7	0.00	3.26	1.02	1	7	2	96	0.00	0.0	11.317	0.042	7	2	1	1
PL.26671	PL.27276	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.24	22.08	10	469	120	97	0.15	0.0	10.888	0.113	0	0	0	154
PL.27272	PL.26671	ABC	#1/0 ACSR	7.30Y	121.7	0.07	3.31	22.08	10	469	119	97	0.22	0.0	11.060	0.171	2	1	1	154
PL.27273	PL.27272	ABC	#1/0 ACSR	7.30Y	121.6	0.04	3.35	21.97	10	466	119	97	0.14	0.0	11.173	0.114	5	1	1	153
PL.27271	PL.27273	ABC	#1/0 ACSR	7.30Y	121.6	0.04	3.39	21.72	9	461	117	97	0.12	0.0	11.271	0.097	0	0	0	152
PL.27269	PL.27271	ABC	#1/0 ACSR	7.29Y	121.6	0.04	3.43	21.72	9	461	117	97	0.13	0.0	11.376	0.105	6	2	1	152
PL.27270	PL.27269	ABC	#1/0 ACSR	7.29Y	121.5	0.04	3.47	21.42	9	454	115	97	0.13	0.0	11.479	0.103	0	0	2	151
PL.27702	PL.27270	A	#1/0 ACSR	7.29Y	121.5	0.00	3.47	1.62	1	11	3	96	0.00	0.0	11.484	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3770	PL.27702	A	20T	7.29Y	121.5	0.00	3.47	1.62	0	11	3	96	0.00	0.0	11.484	0.005	0	0	0	2
PL.27703	PD.3770	A	#1/0 ACSR	7.29Y	121.5	0.00	3.47	1.62	1	11	3	96	0.00	0.0	11.617	0.133	0	0	0	2
PL.26802	PL.27703	A	#1/0 ACSR	7.29Y	121.5	0.01	3.48	1.62	1	11	3	96	0.00	0.0	11.782	0.165	0	0	0	2
PL.27267	PL.26802	A	#1/0 ACSR	7.29Y	121.5	0.00	3.48	1.62	1	11	3	96	0.00	0.0	11.912	0.130	4	1	1	2
PL.27268	PL.27267	A	#1/0 ACSR	7.29Y	121.5	0.00	3.48	1.00	0	7	2	96	0.00	0.0	11.932	0.020	0	0	0	1
PL.26408	PL.27268	A	#4 ACSR	7.29Y	121.5	0.00	3.49	1.00	1	7	2	96	0.00	0.0	11.992	0.060	0	0	0	1
PL.26418	PL.26408	A	#4 ACSR	7.29Y	121.5	0.00	3.49	1.00	1	7	2	96	0.00	0.0	12.058	0.066	7	2	1	1
PL.26409	PL.26418	A	#4 ACSR	7.29Y	121.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	12.081	0.022	0	0	0	0
PL.26977	PL.27270	ABC	#1/0 ACSR	7.29Y	121.5	0.02	3.49	20.88	9	443	112	97	0.06	0.0	11.529	0.051	0	0	0	147
PL.27700	PL.26977	A	#2 ACSR	7.29Y	121.5	0.00	3.49	0.14	0	1	0	100	0.00	0.0	11.534	0.005	0	0	0	1
PD.3769	PL.27700	A	30T	7.29Y	121.5	0.00	3.49	0.14	0	1	0	100	0.00	0.0	11.534	0.005	0	0	0	1
PL.27701	PD.3769	A	#2 ACSR	7.29Y	121.5	0.00	3.49	0.14	0	1	0	100	0.00	0.0	11.544	0.010	1	0	1	1
PL.27265	PL.26977	ABC	#1/0 ACSR	7.29Y	121.5	0.06	3.54	20.83	9	442	112	97	0.17	0.0	11.678	0.149	0	0	1	146
PL.27266	PL.27265	ABC	#1/0 ACSR	7.28Y	121.4	0.06	3.60	20.83	9	441	112	97	0.18	0.0	11.836	0.158	0	0	0	145
PL.27698	PL.27266	C	#1/0 ACSR	7.28Y	121.4	0.00	3.60	0.19	0	1	0	100	0.00	0.0	11.841	0.005	0	0	0	2
PD.3768	PL.27698	C	25T	7.28Y	121.4	0.00	3.60	0.19	0	1	0	100	0.00	0.0	11.841	0.005	0	0	0	2
PL.27699	PD.3768	C	#1/0 ACSR	7.28Y	121.4	0.00	3.60	0.19	0	1	0	100	0.00	0.0	11.861	0.020	1	0	1	2
PL.26419	PL.27699	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	11.963	0.102	0	0	0	1
PL.26804	PL.26419	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	12.074	0.111	0	0	0	1
PL.26803	PL.26804	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	12.169	0.095	0	0	1	1
PL.26672	PL.27266	ABC	#1/0 ACSR	7.28Y	121.3	0.05	3.65	20.77	9	440	111	97	0.16	0.0	11.975	0.139	0	0	0	143
PL.27263	PL.26672	ABC	#1/0 ACSR	7.28Y	121.3	0.06	3.71	20.77	9	440	111	97	0.17	0.0	12.128	0.153	7	2	1	143
PL.27264	PL.27263	ABC	#1/0 ACSR	7.27Y	121.2	0.06	3.77	20.46	9	433	109	97	0.20	0.0	12.304	0.175	0	0	0	142
PL.26805	PL.27264	ABC	#1/0 ACSR	7.27Y	121.2	0.06	3.83	20.46	9	433	109	97	0.18	0.0	12.465	0.161	0	0	0	142
PL.27696	PL.26805	C	#1/0 ACSR	7.27Y	121.2	0.00	3.83	0.95	0	7	2	96	0.00	0.0	12.469	0.005	0	0	0	1
PD.3767	PL.27696	C	30T	7.27Y	121.2	0.00	3.83	0.95	0	7	2	96	0.00	0.0	12.469	0.005	0	0	0	1
PL.27697	PD.3767	C	#1/0 ACSR	7.27Y	121.2	0.00	3.83	0.95	0	7	2	96	0.00	0.0	12.502	0.033	7	2	1	1
PL.27261	PL.26805	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.85	20.14	9	426	107	97	0.05	0.0	12.515	0.050	7	2	2	141
PL.27262	PL.27261	ABC	#1/0 ACSR	7.27Y	121.1	0.01	3.86	19.81	9	419	106	97	0.04	0.0	12.554	0.039	0	0	0	139
PL.26673	PL.27262	ABC	#1/0 ACSR	7.27Y	121.1	0.02	3.88	19.54	8	413	104	97	0.04	0.0	12.597	0.043	0	0	0	137
PL.27692	PL.26673	C	#1/0 ACSR	7.27Y	121.1	0.00	3.88	0.26	0	2	0	100	0.00	0.0	12.602	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3765	PL.27692	C	30T	7.27Y	121.1	0.00	3.88	0.26	0	2	0	100	0.00	0.0	12.602	0.005	0	0	0	1
PL.27693	PD.3765	C	#1/0 ACSR	7.27Y	121.1	0.00	3.88	0.26	0	2	0	100	0.00	0.0	12.628	0.027	2	0	1	1
PL.27846	PL.26673	ABC	#1/0 ACSR	7.27Y	121.1	0.02	3.90	18.05	8	382	96	97	0.07	0.0	12.674	0.077	0	0	0	126
PL.27847	PL.27846	ABC	#1/0 ACSR	7.27Y	121.1	0.00	3.90	18.05	8	382	96	97	0.00	0.0	12.676	0.002	0	0	0	126
PL.26676	PL.27847	ABC	#1/0 ACSR	7.26Y	121.0	0.05	3.95	16.19	7	342	86	97	0.12	0.0	12.854	0.178	0	0	0	109
PL.26677	PL.26676	ABC	#1/0 ACSR	7.26Y	121.0	0.02	3.97	15.99	7	338	85	97	0.04	0.0	12.918	0.064	0	0	0	108
PL.26427	PL.26677	ABC	#1/0 ACSR	7.26Y	121.0	0.02	3.99	15.98	7	337	85	97	0.05	0.0	12.985	0.068	0	0	0	107
PL.27420	PL.26427	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.01	15.98	7	337	85	97	0.05	0.0	13.053	0.068	1	0	1	107
PL.27421	PL.27420	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.03	15.93	7	336	85	97	0.04	0.0	13.114	0.061	4	1	1	106
PL.27860	PL.27421	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.05	15.44	7	326	82	97	0.04	0.0	13.178	0.064	0	0	0	103
PD.3849	PL.27860	ABC	35L	7.26Y	121.0	0.00	4.05	15.44	44	326	82	97	0.00	0.0	13.178	0.064	0	0	0	103
PL.27861	PD.3849	ABC	#1/0 ACSR	7.25Y	120.9	0.05	4.09	15.44	7	326	82	97	0.10	0.0	13.342	0.164	0	0	0	103
PL.26808	PL.27861	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.12	15.44	7	326	82	97	0.06	0.0	13.435	0.093	0	0	0	103
PL.27389	PL.26808	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.14	14.58	6	308	77	97	0.06	0.0	13.534	0.099	0	0	0	95
PL.27390	PL.27389	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.15	14.58	6	308	77	97	0.02	0.0	13.571	0.037	7	2	1	95
PL.27768	PL.27390	A	#2 ACSR	7.25Y	120.8	0.00	4.15	0.76	0	5	1	98	0.00	0.0	13.576	0.005	0	0	0	1
PD.3806	PL.27768	A	15T	7.25Y	120.8	0.00	4.15	0.76	0	5	1	98	0.00	0.0	13.576	0.005	0	0	0	1
PL.27769	PD.3806	A	#2 ACSR	7.25Y	120.8	0.00	4.15	0.76	0	5	1	98	0.00	0.0	13.620	0.044	5	1	1	1
PL.27820	PL.27390	ABC	#1/0 ACSR	7.25Y	120.8	0.00	4.15	13.99	6	295	74	97	0.00	0.0	13.576	0.004	0	0	0	93
PL.27821	PL.27820	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.17	13.99	6	295	74	97	0.03	0.0	13.628	0.053	6	2	2	93
PL.27766	PL.27821	A	#2 ACSR	7.25Y	120.8	0.00	4.17	0.94	1	7	2	96	0.00	0.0	13.633	0.005	0	0	0	1
PD.3805	PL.27766	A	15T	7.25Y	120.8	0.00	4.17	0.94	0	7	2	96	0.00	0.0	13.633	0.005	0	0	0	1
PL.27767	PD.3805	A	#2 ACSR	7.25Y	120.8	0.00	4.17	0.94	1	7	2	96	0.00	0.0	13.650	0.017	7	2	1	1
PL.26679	PL.27821	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.18	13.39	6	283	71	97	0.02	0.0	13.678	0.050	0	0	0	90
PL.26680	PL.26679	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.19	13.15	6	277	70	97	0.02	0.0	13.722	0.044	0	0	0	89
PL.26681	PL.26680	ABC	#1/0 ACSR	7.25Y	120.8	0.02	4.21	13.13	6	277	70	97	0.04	0.0	13.816	0.094	0	0	0	88
PL.26439	PL.26681	ABC	#1/0 ACSR	7.25Y	120.8	0.02	4.23	10.85	5	229	58	97	0.03	0.0	13.917	0.100	0	0	0	67
PL.27376	PL.26439	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.24	10.33	4	218	55	97	0.01	0.0	13.964	0.047	0	0	0	65
PL.27377	PL.27376	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.26	10.33	4	218	55	97	0.03	0.0	14.070	0.106	3	1	2	65
PL.27375	PL.27377	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.28	10.20	4	215	54	97	0.03	0.0	14.185	0.115	0	0	0	63
PL.26814	PL.27375	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.29	10.20	4	215	54	97	0.03	0.0	14.279	0.094	0	0	0	63

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26685	PL.26814	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.32	10.19	4	215	54	97	0.03	0.0	14.401	0.121	0	0	0	62
PL.27373	PL.26685	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.34	10.19	4	215	54	97	0.04	0.0	14.533	0.132	9	2	2	62
PL.27374	PL.27373	ABC	#1/0 ACSR	7.24Y	120.6	0.02	4.36	9.75	4	205	52	97	0.03	0.0	14.645	0.113	9	2	1	60
PL.27756	PL.27374	A	#4 ACSR	7.24Y	120.6	0.00	4.36	3.27	3	23	6	97	0.00	0.0	14.650	0.005	0	0	0	4
PD.3799	PL.27756	A	20T	7.24Y	120.6	0.00	4.36	3.27	0	23	6	97	0.00	0.0	14.650	0.005	0	0	0	4
PL.27757	PD.3799	A	#4 ACSR	7.24Y	120.6	0.00	4.36	3.27	3	23	6	97	0.00	0.0	14.673	0.023	0	0	0	4
PL.27372	PL.27757	A	#4 ACSR	7.24Y	120.6	0.00	4.37	3.27	3	23	6	97	0.00	0.0	14.717	0.044	11	3	1	4
PL.26447	PL.27372	A	#4 ACSR	7.24Y	120.6	0.00	4.37	0.39	0	3	1	95	0.00	0.0	14.792	0.075	3	1	1	1
PL.26687	PL.27372	A	#4 ACSR	7.24Y	120.6	0.00	4.37	1.35	1	9	2	98	0.00	0.0	14.757	0.041	9	2	1	2
PL.26448	PL.26687	A	#4 ACSR	7.24Y	120.6	0.00	4.37	0.00	0	0	0	100	0.00	0.0	14.806	0.048	0	0	1	1
PL.27822	PL.27374	C	#4 ACSR	7.24Y	120.6	0.00	4.36	1.45	1	10	3	96	0.00	0.0	14.650	0.004	0	0	0	1
PD.3831	PL.27822	C	25T	7.24Y	120.6	0.00	4.36	1.45	0	10	3	96	0.00	0.0	14.650	0.004	0	0	0	1
PL.27823	PD.3831	C	#4 ACSR	7.24Y	120.6	0.00	4.36	1.45	1	10	3	96	0.00	0.0	14.691	0.041	10	3	1	1
PL.26686	PL.27374	ABC	#1/0 ACSR	7.24Y	120.6	0.02	4.38	7.77	3	164	41	97	0.02	0.0	14.770	0.125	9	2	1	54
PL.27754	PL.26686	C	#1/0 ACSR	7.24Y	120.6	0.00	4.38	0.04	0	0	0	100	0.00	0.0	14.775	0.005	0	0	0	1
PD.3798	PL.27754	C	15T	7.24Y	120.6	0.00	4.38	0.04	0	0	0	100	0.00	0.0	14.775	0.005	0	0	0	1
PL.27755	PD.3798	C	#1/0 ACSR	7.24Y	120.6	0.00	4.38	0.04	0	0	0	100	0.00	0.0	14.820	0.046	0	0	1	1
PL.26688	PL.26686	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.38	7.34	3	155	39	97	0.01	0.0	14.827	0.057	0	0	0	52
PL.66165	PL.26688	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.40	7.34	3	155	39	97	0.01	0.0	14.924	0.097	0	0	0	52
PD.10000	PL.66165	ABC	30T	7.24Y	120.6	0.00	4.40	7.34	0	155	39	97	0.00	0.0	14.924	0.097	0	0	0	52
PL.66166	PD.10000	ABC	#1/0 ACSR	7.24Y	120.6	0.00	4.40	7.34	3	155	39	97	0.00	0.0	14.928	0.003	0	0	0	52
PL.26815	PL.66166	ABC	#1/0 ACSR	7.23Y	120.6	0.02	4.42	7.34	3	155	39	97	0.02	0.0	15.094	0.166	0	0	0	52
PL.26816	PL.26815	ABC	#1/0 ACSR	7.23Y	120.6	0.02	4.44	7.34	3	155	39	97	0.02	0.0	15.263	0.169	0	0	0	52
PL.26817	PL.26816	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.45	7.34	3	155	39	97	0.02	0.0	15.369	0.106	0	0	0	52
PL.26819	PL.26817	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.47	7.34	3	154	39	97	0.02	0.0	15.475	0.106	0	0	0	52
PL.26818	PL.26819	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.49	7.34	3	154	39	97	0.03	0.0	15.660	0.185	0	0	0	52
PL.26820	PL.26818	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.52	7.34	3	154	39	97	0.03	0.0	15.839	0.179	0	0	0	52
PL.26821	PL.26820	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.54	7.34	3	154	39	97	0.03	0.0	16.018	0.179	0	0	0	52
PL.26822	PL.26821	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.55	7.34	3	154	39	97	0.01	0.0	16.075	0.057	0	0	0	52
PL.27750	PL.26822	C	#2 ACSR	7.23Y	120.4	0.03	4.57	10.96	6	77	19	97	0.01	0.0	16.150	0.075	0	0	0	29
PD.3796	PL.27750	C	15T	7.23Y	120.4	0.00	4.57	10.96	0	77	19	97	0.00	0.0	16.150	0.075	0	0	0	29

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27751	PD.3796	C	#2 ACSR	7.22Y	120.4	0.04	4.61	10.96	6	77	19	97	0.02	0.0	16.255	0.106	0	0	0	29
PL.26456	PL.27751	C	#1/0 ACSR	7.22Y	120.4	0.02	4.63	10.96	5	77	19	97	0.01	0.0	16.342	0.086	0	0	0	29
PL.26454	PL.26456	C	#1/0 ACSR	7.22Y	120.3	0.03	4.66	10.96	5	77	19	97	0.01	0.0	16.442	0.100	0	0	1	28
PL.26451	PL.26454	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	0.00	0	0	0	100	0.00	0.0	16.500	0.058	0	0	0	0
PL.26450	PL.26454	C	#1/0 ACSR	7.22Y	120.3	0.03	4.68	10.94	5	77	19	97	0.01	0.0	16.544	0.102	0	0	1	27
PL.26452	PL.26450	C	#4 ACSR	7.22Y	120.3	0.00	4.69	0.47	0	3	1	95	0.00	0.0	16.636	0.092	0	0	0	2
PL.26690	PL.26452	C	#4 ACSR	7.22Y	120.3	0.00	4.69	0.00	0	0	0	100	0.00	0.0	16.721	0.086	0	0	0	0
PL.26453	PL.26452	C	#1/0 ACSR	7.22Y	120.3	0.00	4.69	0.47	0	3	1	95	0.00	0.0	16.805	0.169	3	1	2	2
PL.26689	PL.26450	C	#1/0 ACSR	7.22Y	120.3	0.02	4.70	10.47	5	73	18	97	0.01	0.0	16.629	0.085	0	0	0	24
PL.27370	PL.26689	C	#1/0 ACSR	7.22Y	120.3	0.03	4.74	10.47	5	73	18	97	0.02	0.0	16.767	0.138	3	1	1	24
PL.27371	PL.27370	C	#1/0 ACSR	7.22Y	120.3	0.01	4.75	10.00	4	70	18	97	0.00	0.0	16.805	0.037	0	0	1	23
PL.27369	PL.27371	C	#1/0 ACSR	7.21Y	120.2	0.01	4.76	10.00	4	70	17	97	0.00	0.0	16.842	0.038	5	1	1	22
PL.27368	PL.27369	C	#1/0 ACSR	7.21Y	120.2	0.02	4.78	9.28	4	65	16	97	0.01	0.0	16.973	0.130	17	4	7	21
PL.26457	PL.27368	C	6 A (CWC)	7.21Y	120.2	0.00	4.79	1.12	1	8	2	97	0.00	0.0	17.068	0.095	0	0	0	1
PL.26692	PL.26457	C	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.00	0	0	0	100	0.00	0.0	17.131	0.063	0	0	0	0
PL.26458	PL.26457	C	#1/0 ACSR	7.21Y	120.2	0.00	4.79	1.12	0	8	2	97	0.00	0.0	17.102	0.034	8	2	1	1
PL.26691	PL.27368	C	#1/0 ACSR	7.21Y	120.2	0.02	4.80	5.69	2	40	10	97	0.01	0.0	17.121	0.149	0	0	0	13
PL.26823	PL.26691	C	#1/0 ACSR	7.21Y	120.2	0.02	4.82	5.69	2	40	10	97	0.00	0.0	17.235	0.114	0	0	0	13
PL.26941	PL.26823	C	#1/0 ACSR	7.21Y	120.2	0.01	4.83	5.69	2	40	10	97	0.00	0.0	17.316	0.080	0	0	0	13
PL.27366	PL.26941	C	#1/0 ACSR	7.21Y	120.2	0.02	4.84	5.69	2	40	10	97	0.00	0.0	17.465	0.150	9	2	2	13
PL.27367	PL.27366	C	#1/0 ACSR	7.21Y	120.2	0.00	4.85	4.37	2	31	8	97	0.00	0.0	17.488	0.022	0	0	0	11
PL.26459	PL.27367	C	6 A (CWC)	7.21Y	120.2	0.00	4.85	1.46	1	10	3	96	0.00	0.0	17.535	0.047	10	3	2	2
PL.26693	PL.27367	C	#1/0 ACSR	7.21Y	120.1	0.01	4.85	2.91	1	20	5	97	0.00	0.0	17.567	0.079	0	0	0	9
PL.26460	PL.26693	C	#1/0 ACSR	7.21Y	120.1	0.00	4.85	0.20	0	1	0	100	0.00	0.0	17.610	0.043	1	0	1	1
PL.27364	PL.26693	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	2.70	1	19	5	97	0.00	0.0	17.620	0.053	2	1	1	8
PL.27365	PL.27364	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	2.39	1	17	4	97	0.00	0.0	17.656	0.036	0	0	0	7
PL.26694	PL.27365	C	6 A (CWC)	7.21Y	120.1	0.01	4.86	1.34	1	9	2	98	0.00	0.0	17.767	0.111	1	0	1	4
PL.26463	PL.26694	C	#4 ACSR	7.21Y	120.1	0.00	4.86	0.35	0	2	1	89	0.00	0.0	17.809	0.042	2	1	1	1
PL.26462	PL.26694	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.84	1	6	1	99	0.00	0.0	17.884	0.117	6	1	2	2
PL.26461	PL.27365	C	#2 ACSR	7.21Y	120.1	0.00	4.86	1.06	1	7	2	96	0.00	0.0	17.689	0.033	7	2	3	3
PL.26455	PL.26456	C	#1/0 ACSR	7.22Y	120.4	0.00	4.63	0.00	0	0	0	100	0.00	0.0	16.375	0.034	0	0	1	1

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27752	PL.26822	B	#1/0 ACSR	7.23Y	120.5	0.00	4.55	11.06	5	78	19	97	0.00	0.0	16.079	0.004	0	0	0	23
PD.3797	PL.27752	B	15T	7.23Y	120.5	0.00	4.55	11.06	0	78	19	97	0.00	0.0	16.079	0.004	0	0	0	23
PL.27753	PD.3797	B	#1/0 ACSR	7.23Y	120.4	0.01	4.56	11.06	5	78	19	97	0.01	0.0	16.126	0.046	0	0	0	23
PL.26464	PL.27753	B	6 A (CWC)	7.23Y	120.4	0.00	4.56	1.02	1	7	2	96	0.00	0.0	16.206	0.080	7	2	2	2
PL.26465	PL.27753	B	#1/0 ACSR	7.22Y	120.4	0.04	4.60	10.05	4	70	18	97	0.02	0.0	16.278	0.152	0	0	0	21
PL.27362	PL.26465	B	#1/0 ACSR	7.22Y	120.4	0.03	4.62	10.05	4	70	18	97	0.01	0.0	16.387	0.109	1	0	1	21
PL.27363	PL.27362	B	#1/0 ACSR	7.22Y	120.4	0.03	4.65	9.90	4	69	17	97	0.01	0.0	16.496	0.108	0	0	0	20
PL.26824	PL.27363	B	#1/0 ACSR	7.22Y	120.3	0.02	4.67	9.90	4	69	17	97	0.01	0.0	16.596	0.100	0	0	1	20
PL.26695	PL.26824	B	#1/0 ACSR	7.22Y	120.3	0.02	4.69	5.47	2	38	10	97	0.01	0.0	16.771	0.175	0	0	0	10
PL.26829	PL.26695	B	#1/0 ACSR	7.22Y	120.3	0.02	4.71	5.47	2	38	10	97	0.00	0.0	16.909	0.138	1	0	1	10
PL.26467	PL.26829	B	#4 ACSR	7.22Y	120.3	0.00	4.71	0.78	1	5	1	98	0.00	0.0	17.026	0.118	5	1	1	1
PL.26468	PL.26829	B	#1/0 ACSR	7.22Y	120.3	0.01	4.72	4.61	2	32	8	97	0.00	0.0	16.986	0.077	0	0	0	8
PL.26469	PL.26468	B	#1/0 ACSR	7.22Y	120.3	0.01	4.73	4.61	2	32	8	97	0.00	0.0	17.089	0.103	0	0	0	8
PL.26938	PL.26469	B	#1/0 ACSR	7.22Y	120.3	0.01	4.74	4.61	2	32	8	97	0.00	0.0	17.201	0.112	0	0	0	8
PL.26830	PL.26938	B	#1/0 ACSR	7.21Y	120.2	0.01	4.75	4.61	2	32	8	97	0.00	0.0	17.286	0.086	0	0	0	8
PL.26937	PL.26830	B	#1/0 ACSR	7.21Y	120.2	0.01	4.76	4.61	2	32	8	97	0.00	0.0	17.392	0.106	0	0	0	8
PL.26831	PL.26937	B	#1/0 ACSR	7.21Y	120.2	0.01	4.77	4.61	2	32	8	97	0.00	0.0	17.486	0.094	0	0	0	8
PL.26471	PL.26831	B	#4 ACSR	7.21Y	120.2	0.00	4.77	0.82	1	6	1	99	0.00	0.0	17.501	0.015	6	1	1	1
PL.26470	PL.26831	B	#1/0 ACSR	7.21Y	120.2	0.01	4.79	3.79	2	27	7	97	0.00	0.0	17.643	0.157	0	0	0	7
PL.26699	PL.26470	B	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.00	0	0	0	100	0.00	0.0	17.743	0.100	0	0	0	0
PL.27358	PL.26470	B	#1/0 ACSR	7.21Y	120.2	0.01	4.80	3.79	2	27	7	97	0.00	0.0	17.738	0.095	5	1	2	7
PL.27359	PL.27358	B	#1/0 ACSR	7.21Y	120.2	0.00	4.80	3.07	1	22	5	98	0.00	0.0	17.757	0.019	0	0	0	5
PL.26474	PL.27359	B	#1/0 ACSR	7.21Y	120.2	0.00	4.80	1.14	0	8	2	97	0.00	0.0	17.824	0.067	1	0	2	3
PL.26476	PL.26474	B	#1/0 ACSR	7.21Y	120.2	0.00	4.80	0.97	0	7	2	96	0.00	0.0	17.962	0.139	7	2	1	1
PL.26475	PL.27359	B	#4 ACSR	7.21Y	120.2	0.00	4.80	0.99	1	7	2	96	0.00	0.0	17.833	0.076	7	2	1	1
PL.26700	PL.27359	B	#4 ACSR	7.21Y	120.2	0.00	4.80	0.94	1	7	2	96	0.00	0.0	17.866	0.109	7	2	1	1
PL.26698	PL.26468	B	#4 ACSR	7.22Y	120.3	0.00	4.72	0.00	0	0	0	100	0.00	0.0	17.079	0.093	0	0	0	0
PL.26472	PL.26824	B	6 A (CWC)	7.22Y	120.3	0.00	4.67	1.35	1	9	2	98	0.00	0.0	16.664	0.068	9	2	1	1
PL.27748	PL.26824	B	#1/0 ACSR	7.22Y	120.3	0.01	4.68	3.08	1	22	5	98	0.00	0.0	16.738	0.142	0	0	0	8
PD.3795	PL.27748	B	10T	7.22Y	120.3	0.00	4.68	3.08	0	22	5	98	0.00	0.0	16.738	0.142	0	0	0	8
PL.27749	PD.3795	B	#1/0 ACSR	7.22Y	120.3	0.01	4.70	3.08	1	22	5	98	0.00	0.0	16.923	0.185	0	0	0	8

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26696	PL.27749	B	#1/0 ACSR	7.22Y	120.3	0.01	4.70	2.75	1	19	5	97	0.00	0.0	17.051	0.127	0	0	0	6
PL.26825	PL.26696	B	#1/0 ACSR	7.22Y	120.3	0.01	4.71	2.75	1	19	5	97	0.00	0.0	17.194	0.144	0	0	0	6
PL.26826	PL.26825	B	#1/0 ACSR	7.22Y	120.3	0.01	4.72	2.75	1	19	5	97	0.00	0.0	17.305	0.111	0	0	0	6
PL.27360	PL.26826	B	6 A (CWC)	7.22Y	120.3	0.01	4.73	1.85	1	13	3	97	0.00	0.0	17.413	0.108	11	3	1	2
PL.27361	PL.27360	B	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.32	0	2	1	89	0.00	0.0	17.484	0.071	2	1	1	1
PL.26697	PL.26826	B	#1/0 ACSR	7.22Y	120.3	0.00	4.72	0.90	0	6	2	95	0.00	0.0	17.436	0.131	0	0	0	4
PL.26827	PL.26697	B	#1/0 ACSR	7.22Y	120.3	0.00	4.72	0.90	0	6	2	95	0.00	0.0	17.508	0.072	5	1	2	4
PL.26473	PL.26827	B	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.19	0	1	0	100	0.00	0.0	17.821	0.313	0	0	0	2
PL.26828	PL.26473	B	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.19	0	1	0	100	0.00	0.0	17.848	0.027	1	0	2	2
PL.26466	PL.27749	B	#4 ACSR	7.22Y	120.3	0.00	4.70	0.33	0	2	1	89	0.00	0.0	16.987	0.064	2	1	2	2
PL.27758	PL.26814	C	#2 ACSR	7.24Y	120.7	0.00	4.30	0.03	0	0	0	100	0.00	0.0	14.284	0.005	0	0	0	1
PD.3800	PL.27758	C	15T	7.24Y	120.7	0.00	4.30	0.03	0	0	0	100	0.00	0.0	14.284	0.005	0	0	0	1
PL.27759	PD.3800	C	#2 ACSR	7.24Y	120.7	0.00	4.30	0.03	0	0	0	100	0.00	0.0	14.419	0.135	0	0	1	1
PL.27760	PL.26439	A	#1/0 ACSR	7.25Y	120.8	0.00	4.23	1.57	1	11	3	96	0.00	0.0	13.921	0.005	0	0	0	2
PD.3801	PL.27760	A	15T	7.25Y	120.8	0.00	4.23	1.57	0	11	3	96	0.00	0.0	13.921	0.005	0	0	0	2
PL.27761	PD.3801	A	#1/0 ACSR	7.25Y	120.8	0.00	4.23	1.57	1	11	3	96	0.00	0.0	13.952	0.030	11	3	2	2
PL.26440	PL.26681	C	#4 ACSR	7.25Y	120.8	0.00	4.21	6.84	5	48	12	97	0.00	0.0	13.820	0.004	0	0	0	21
PD.3802	PL.26440	C	20T	7.25Y	120.8	0.00	4.21	6.84	0	48	12	97	0.00	0.0	13.820	0.004	0	0	0	21
PL.26441	PD.3802	C	#4 ACSR	7.25Y	120.8	0.00	4.21	0.47	0	3	1	95	0.00	0.0	13.865	0.044	3	1	1	1
PL.26682	PD.3802	C	#4 ACSR	7.25Y	120.8	0.01	4.22	6.37	5	45	11	97	0.00	0.0	13.861	0.041	0	0	0	20
PL.27387	PL.26682	C	6 A (CWC)	7.25Y	120.8	0.01	4.23	6.37	5	45	11	97	0.00	0.0	13.894	0.033	3	1	1	20
PL.27388	PL.27387	C	6 A (CWC)	7.25Y	120.8	0.01	4.24	5.95	4	42	10	97	0.00	0.0	13.937	0.043	0	0	0	19
PL.26442	PL.27388	C	#4 ACSR	7.25Y	120.8	0.00	4.24	1.42	1	10	2	98	0.00	0.0	13.970	0.033	10	2	2	2
PL.26683	PL.27388	C	6 A (CWC)	7.24Y	120.7	0.01	4.26	4.53	3	32	8	97	0.00	0.0	14.003	0.066	3	1	2	17
PL.27385	PL.26683	C	#4 ACSR	7.24Y	120.7	0.01	4.27	4.15	3	29	7	97	0.00	0.0	14.093	0.089	7	2	3	15
PL.27386	PL.27385	C	#4 ACSR	7.24Y	120.7	0.00	4.28	3.12	2	22	5	98	0.00	0.0	14.136	0.043	9	2	3	12
PL.27384	PL.27386	C	#4 ACSR	7.24Y	120.7	0.01	4.28	1.91	1	13	3	97	0.00	0.0	14.208	0.072	0	0	0	9
PL.26443	PL.27384	C	#4 ACSR	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	14.289	0.081	0	0	0	0
PL.26684	PL.27384	C	#4 ACSR	7.24Y	120.7	0.01	4.29	1.91	1	13	3	97	0.00	0.0	14.334	0.126	0	0	0	9
PL.27382	PL.26684	C	#4 ACSR	7.24Y	120.7	0.01	4.30	1.91	1	13	3	97	0.00	0.0	14.473	0.139	2	1	2	9
PL.27383	PL.27382	C	#4 ACSR	7.24Y	120.7	0.00	4.31	1.62	1	11	3	96	0.00	0.0	14.545	0.072	2	0	1	7

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27381	PL.27383	C	#4 ACSR	7.24Y	120.7	0.01	4.31	1.33	1	9	2	98	0.00	0.0	14.685	0.140	4	1	1	6
PL.27380	PL.27381	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.83	1	6	1	99	0.00	0.0	14.716	0.032	0	0	0	5
PL.26445	PL.27380	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.44	0	3	1	95	0.00	0.0	14.794	0.077	0	0	0	3
PL.26444	PL.26445	C	#2 ACSR	7.24Y	120.7	0.00	4.32	0.42	0	3	1	95	0.00	0.0	14.850	0.057	3	1	2	2
PL.26446	PL.26445	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.03	0	0	0	100	0.00	0.0	14.881	0.088	0	0	1	1
PL.27378	PL.27380	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.39	0	3	1	95	0.00	0.0	14.815	0.099	0	0	1	2
PL.27379	PL.27378	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.37	0	3	1	95	0.00	0.0	14.921	0.106	3	1	1	1
PL.27762	PL.26680	C	#2 ACSR	7.25Y	120.8	0.00	4.19	0.06	0	0	0	100	0.00	0.0	13.727	0.005	0	0	0	1
PD.3803	PL.27762	C	15T	7.25Y	120.8	0.00	4.19	0.06	0	0	0	100	0.00	0.0	13.727	0.005	0	0	0	1
PL.27763	PD.3803	C	#2 ACSR	7.25Y	120.8	0.00	4.19	0.06	0	0	0	100	0.00	0.0	13.763	0.036	0	0	1	1
PL.27764	PL.26679	A	#4 ACSR	7.25Y	120.8	0.00	4.18	0.74	1	5	1	98	0.00	0.0	13.682	0.005	0	0	0	1
PD.3804	PL.27764	A	15T	7.25Y	120.8	0.00	4.18	0.74	0	5	1	98	0.00	0.0	13.682	0.005	0	0	0	1
PL.27765	PD.3804	A	#4 ACSR	7.25Y	120.8	0.00	4.18	0.74	1	5	1	98	0.00	0.0	13.706	0.023	5	1	1	1
PL.27818	PL.27390	A	#1/0 ACSR	7.25Y	120.8	0.00	4.15	0.00	0	0	0	100	0.00	0.0	13.576	0.004	0	0	0	0
PD.3830	PL.27818	A	15T	7.25Y	120.8	0.00	4.15	0.00	0	0	0	100	0.00	0.0	13.576	0.004	0	0	0	0
PL.27819	PD.3830	A	#1/0 ACSR	7.25Y	120.8	0.00	4.15	0.00	0	0	0	100	0.00	0.0	13.716	0.140	0	0	0	0
PL.27770	PL.26808	A	#2 ACSR	7.25Y	120.9	0.00	4.12	2.59	1	18	5	96	0.00	0.0	13.440	0.005	0	0	0	8
PD.3807	PL.27770	A	20T	7.25Y	120.9	0.00	4.12	2.59	0	18	5	96	0.00	0.0	13.440	0.005	0	0	0	8
PL.27771	PD.3807	A	#2 ACSR	7.25Y	120.9	0.00	4.12	2.59	1	18	5	96	0.00	0.0	13.460	0.020	0	0	0	8
PL.26431	PL.27771	A	6 A (CWC)	7.25Y	120.9	0.01	4.13	2.59	2	18	5	96	0.00	0.0	13.572	0.113	0	0	0	8
PL.26810	PL.26431	A	6 A (CWC)	7.25Y	120.9	0.01	4.14	2.59	2	18	5	96	0.00	0.0	13.683	0.111	0	0	0	8
PL.26809	PL.26810	A	6 A (CWC)	7.25Y	120.8	0.01	4.16	2.59	2	18	5	96	0.00	0.0	13.779	0.096	0	0	0	8
PL.26983	PL.26809	A	#4 ACSR	7.25Y	120.8	0.01	4.16	1.68	1	12	3	97	0.00	0.0	13.855	0.075	0	0	0	5
PL.26984	PL.26983	A	#4 ACSR	7.25Y	120.8	0.00	4.16	0.48	0	3	1	95	0.00	0.0	13.928	0.074	3	1	1	1
PL.26434	PL.26983	A	#4 ACSR	7.25Y	120.8	0.01	4.17	1.20	1	8	2	97	0.00	0.0	13.957	0.102	0	0	0	4
PL.26811	PL.26434	A	#4 ACSR	7.25Y	120.8	0.00	4.17	1.20	1	8	2	97	0.00	0.0	14.062	0.105	4	1	2	4
PL.26435	PL.26811	A	#4 ACSR	7.25Y	120.8	0.00	4.17	0.61	0	4	1	97	0.00	0.0	14.172	0.110	0	0	0	2
PL.27393	PL.26435	A	#4 ACSR	7.25Y	120.8	0.00	4.17	0.61	0	4	1	97	0.00	0.0	14.267	0.095	4	1	1	2
PL.27394	PL.27393	A	#4 ACSR	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	14.336	0.069	0	0	1	1
PL.26436	PL.26809	A	6 A (CWC)	7.25Y	120.8	0.01	4.16	0.90	1	6	2	95	0.00	0.0	13.904	0.125	0	0	0	3
PL.26437	PL.26436	A	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.40	0	3	1	95	0.00	0.0	14.015	0.111	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26812	PL.26437	A	6 A (CWC)	7.25Y	120.8	0.00	4.17	0.40	0	3	1	95	0.00	0.0	14.163	0.148	0	0	0	1
PL.26438	PL.26812	A	#1/0 ACSR	7.25Y	120.8	0.00	4.17	0.40	0	3	1	95	0.00	0.0	14.260	0.097	0	0	0	1
PL.26813	PL.26438	A	#1/0 ACSR	7.25Y	120.8	0.00	4.17	0.40	0	3	1	95	0.00	0.0	14.392	0.133	3	1	1	1
PL.26678	PL.26436	A	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.51	0	4	1	97	0.00	0.0	13.952	0.048	1	0	1	2
PL.27391	PL.26678	A	#4 ACSR	7.25Y	120.8	0.00	4.16	0.31	0	2	1	89	0.00	0.0	14.007	0.055	0	0	0	1
PL.27392	PL.27391	A	#4 ACSR	7.25Y	120.8	0.00	4.16	0.31	0	2	1	89	0.00	0.0	14.153	0.146	2	1	1	1
PL.27772	PL.27421	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.95	1	7	2	96	0.00	0.0	13.118	0.005	0	0	0	2
PD.3808	PL.27772	C	15T	7.26Y	121.0	0.00	4.03	0.95	0	7	2	96	0.00	0.0	13.118	0.005	0	0	0	2
PL.27773	PD.3808	C	6 A (CWC)	7.26Y	121.0	0.01	4.03	0.95	1	7	2	96	0.00	0.0	13.261	0.142	0	0	0	2
PL.26807	PL.27773	C	6 A (CWC)	7.26Y	121.0	0.01	4.04	0.95	1	7	2	96	0.00	0.0	13.383	0.122	0	0	0	2
PL.26933	PL.26807	C	6 A (CWC)	7.26Y	121.0	0.00	4.04	0.95	1	7	2	96	0.00	0.0	13.488	0.105	3	1	1	2
PL.26433	PL.26933	C	#4 ACSR	7.26Y	121.0	0.00	4.04	0.54	0	4	1	97	0.00	0.0	13.512	0.024	0	0	0	1
PL.26432	PL.26433	C	6 A (CWC)	7.26Y	121.0	0.00	4.04	0.54	0	4	1	97	0.00	0.0	13.583	0.072	4	1	1	1
PL.27689	PL.26677	A	#2 ACSR	7.26Y	121.0	0.00	3.97	0.03	0	0	0	100	0.00	0.0	12.922	0.004	0	0	0	1
PD.3763	PL.27689	A	30T	7.26Y	121.0	0.00	3.97	0.03	0	0	0	100	0.00	0.0	12.922	0.004	0	0	0	1
PL.27688	PD.3763	A	#2 ACSR	7.26Y	121.0	0.00	3.97	0.03	0	0	0	100	0.00	0.0	12.934	0.012	0	0	1	1
PL.27690	PL.26676	A	#1/0 ACSR	7.26Y	121.0	0.00	3.95	0.61	0	4	1	97	0.00	0.0	12.858	0.004	0	0	0	1
PD.3764	PL.27690	A	30T	7.26Y	121.0	0.00	3.95	0.61	0	4	1	97	0.00	0.0	12.858	0.004	0	0	0	1
PL.27691	PD.3764	A	#1/0 ACSR	7.26Y	121.0	0.00	3.95	0.61	0	4	1	97	0.00	0.0	12.879	0.022	4	1	1	1
PL.27848	PL.27847	A	#2 ACSR	7.27Y	121.1	0.00	3.90	5.58	3	39	10	97	0.00	0.0	12.679	0.003	0	0	0	17
PD.3843	PL.27848	A	35L	7.27Y	121.1	0.00	3.90	5.58	16	39	10	97	0.00	0.0	12.679	0.003	0	0	0	17
PL.27849	PD.3843	A	#2 ACSR	7.27Y	121.1	0.01	3.92	5.58	3	39	10	97	0.00	0.0	12.758	0.080	2	1	1	17
PL.26421	PL.27849	A	6 A (CWC)	7.26Y	121.1	0.02	3.94	5.27	4	37	9	97	0.01	0.0	12.846	0.088	1	0	1	16
PL.26674	PL.26421	A	6 A (CWC)	7.26Y	121.0	0.01	3.95	3.63	3	26	6	97	0.00	0.0	12.955	0.109	10	2	3	10
PL.26425	PL.26674	A	#4 ACSR	7.26Y	121.0	0.00	3.96	1.34	1	9	2	98	0.00	0.0	13.032	0.077	2	1	1	4
PL.26420	PL.26425	A	#2 ACSR	7.26Y	121.0	0.00	3.96	1.01	1	7	2	96	0.00	0.0	13.158	0.126	0	0	0	3
PL.26426	PL.26420	A	#2 ACSR	7.26Y	121.0	0.00	3.96	1.01	1	7	2	96	0.00	0.0	13.289	0.131	0	0	0	3
PL.26806	PL.26426	A	#2 ACSR	7.26Y	121.0	0.01	3.97	1.01	1	7	2	96	0.00	0.0	13.458	0.169	0	0	0	3
PL.27250	PL.26806	A	#2 ACSR	7.26Y	121.0	0.00	3.97	1.01	1	7	2	96	0.00	0.0	13.575	0.117	0	0	1	3
PL.27251	PL.27250	A	#2 ACSR	7.26Y	121.0	0.01	3.98	0.99	1	7	2	96	0.00	0.0	13.760	0.185	0	0	0	2
PL.27252	PL.27251	A	#2 ACSR	7.26Y	121.0	0.00	3.98	0.99	1	7	2	96	0.00	0.0	13.942	0.182	7	2	1	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27253	PL.27252	A	#2 ACSR	7.26Y	121.0	0.00	3.98	0.00	0	0	0	100	0.00	0.0	14.016	0.074	0	0	1	1
PL.27254	PL.26674	A	6 A (CWC)	7.26Y	121.0	0.00	3.95	0.91	1	6	2	95	0.00	0.0	13.008	0.053	6	2	3	3
PL.27255	PL.27254	A	6 A (CWC)	7.26Y	121.0	0.00	3.95	0.00	0	0	0	100	0.00	0.0	13.074	0.066	0	0	0	0
PL.27256	PL.26421	A	6 A (CWC)	7.26Y	121.1	0.01	3.95	1.46	1	10	3	96	0.00	0.0	13.006	0.160	0	0	0	5
PL.27257	PL.27256	A	6 A (CWC)	7.26Y	121.0	0.01	3.95	1.46	1	10	3	96	0.00	0.0	13.099	0.093	1	0	1	5
PL.26675	PL.27257	A	6 A (CWC)	7.26Y	121.0	0.00	3.95	0.20	0	1	0	100	0.00	0.0	13.215	0.116	0	0	0	3
PL.26423	PL.26675	A	#4 ACSR	7.26Y	121.0	0.00	3.95	0.00	0	0	0	100	0.00	0.0	13.267	0.052	0	0	0	0
PL.26424	PL.26675	A	#4 ACSR	7.26Y	121.0	0.00	3.95	0.20	0	1	0	100	0.00	0.0	13.253	0.038	1	0	3	3
PL.26422	PL.27257	A	#1/0 ACSR	7.26Y	121.0	0.00	3.95	1.18	1	8	2	97	0.00	0.0	13.144	0.046	8	2	1	1
PL.27816	PL.26673	C	#1/0 ACSR	7.27Y	121.1	0.00	3.88	4.20	2	30	7	97	0.00	0.0	12.602	0.005	0	0	0	10
PD.3829	PL.27816	C	30T	7.27Y	121.1	0.00	3.88	4.20	0	30	7	97	0.00	0.0	12.602	0.005	0	0	0	10
PL.27817	PD.3829	C	#1/0 ACSR	7.27Y	121.1	0.00	3.88	4.20	2	30	7	97	0.00	0.0	12.612	0.010	14	3	6	10
PL.27259	PL.27817	C	6 A (CWC)	7.27Y	121.1	0.00	3.88	2.27	2	16	4	97	0.00	0.0	12.651	0.039	3	1	2	4
PL.27260	PL.27259	C	6 A (CWC)	7.27Y	121.1	0.00	3.88	1.84	1	13	3	97	0.00	0.0	12.679	0.029	11	3	1	2
PL.27258	PL.27260	C	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.34	0	2	1	89	0.00	0.0	12.740	0.061	2	1	1	1
PL.27694	PL.27262	C	#1/0 ACSR	7.27Y	121.1	0.00	3.86	0.80	0	6	1	99	0.00	0.0	12.558	0.005	0	0	0	2
PD.3766	PL.27694	C	30T	7.27Y	121.1	0.00	3.86	0.80	0	6	1	99	0.00	0.0	12.558	0.005	0	0	0	2
PL.27695	PD.3766	C	#1/0 ACSR	7.27Y	121.1	0.00	3.86	0.80	0	6	1	99	0.00	0.0	12.577	0.018	6	1	2	2
PL.27708	PL.26798	A	#4 ACSR	7.33Y	122.1	0.00	2.90	0.79	1	6	1	99	0.00	0.0	10.078	0.005	0	0	0	5
PD.3773	PL.27708	A	12T	7.33Y	122.1	0.00	2.90	0.79	0	6	1	99	0.00	0.0	10.078	0.005	0	0	0	5
PL.27709	PD.3773	A	#4 ACSR	7.33Y	122.1	0.00	2.90	0.79	1	6	1	99	0.00	0.0	10.145	0.067	0	0	0	5
PL.26412	PL.27709	A	#1/0 ACSR	7.33Y	122.1	0.00	2.90	0.79	0	6	1	99	0.00	0.0	10.177	0.033	3	1	1	5
PL.26413	PL.26412	A	#2 ACSR	7.33Y	122.1	0.00	2.90	0.41	0	3	1	95	0.00	0.0	10.242	0.065	3	1	3	3
PL.26406	PL.26412	A	#1/0 ACSR	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	10.250	0.073	0	0	1	1
PL.27712	PL.26796	C	#1/0 ACSR	7.34Y	122.3	0.00	2.73	1.52	1	11	3	96	0.00	0.0	9.700	0.005	0	0	0	1
PD.3775	PL.27712	C	30T	7.34Y	122.3	0.00	2.73	1.52	0	11	3	96	0.00	0.0	9.700	0.005	0	0	0	1
PL.27713	PD.3775	C	#1/0 ACSR	7.34Y	122.3	0.00	2.73	1.52	1	11	3	96	0.00	0.0	9.732	0.032	11	3	1	1
PL.27628	PL.27871	A	#2 ACSR	7.38Y	122.9	0.00	2.07	0.20	0	1	0	100	0.00	0.0	8.284	0.005	0	0	0	1
PD.3732	PL.27628	A	65T	7.38Y	122.9	0.00	2.07	0.20	0	1	0	100	0.00	0.0	8.284	0.005	0	0	0	1
PL.27629	PD.3732	A	#2 ACSR	7.38Y	122.9	0.00	2.07	0.20	0	1	0	100	0.00	0.0	8.312	0.028	1	0	1	1
CP.41	PL.27870	ABC	Cap (300)	7.38Y	123.0	0.00	2.05	0.00	0	0	0	100	0.00	0.0	8.246	0.028	0	0	0	0

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27632	PL.26666	A	#2 ACSR	7.39Y	123.1	0.00	1.86	1.06	1	8	2	97	0.00	0.0	7.877	0.005	0	0	0	2
PD.3734	PL.27632	A	65T	7.39Y	123.1	0.00	1.86	1.06	0	8	2	97	0.00	0.0	7.877	0.005	0	0	0	2
PL.27633	PD.3734	A	#2 ACSR	7.39Y	123.1	0.00	1.86	1.06	1	8	2	97	0.00	0.0	7.904	0.028	8	2	2	2
PL.27636	PL.26664	C	#4 ACSR	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	7.690	0.005	0	0	0	0
PD.3736	PL.27636	C	40T	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	7.690	0.005	0	0	0	0
PL.27637	PD.3736	C	#4 ACSR	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	7.772	0.082	0	0	0	0
PL.27676	PL.26663	C	#2 ACSR	7.42Y	123.7	0.00	1.30	3.91	2	28	7	97	0.00	0.0	6.759	0.005	0	0	0	5
PD.3757	PL.27676	C	65T	7.42Y	123.7	0.00	1.30	3.91	0	28	7	97	0.00	0.0	6.759	0.005	0	0	0	5
PL.27677	PD.3757	C	#2 ACSR	7.42Y	123.7	0.01	1.30	3.91	2	28	7	97	0.00	0.0	6.822	0.062	17	4	2	5
PL.27244	PL.27677	C	#2 ACSR	7.42Y	123.7	0.00	1.31	1.51	1	11	3	96	0.00	0.0	6.904	0.082	0	0	0	3
PL.26395	PL.27244	C	#4 ACSR	7.42Y	123.7	0.00	1.31	0.39	0	3	1	95	0.00	0.0	6.971	0.068	3	1	2	2
PL.27242	PL.27244	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.12	0	8	2	97	0.00	0.0	6.942	0.039	0	0	0	1
PL.27243	PL.27242	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.12	0	8	2	97	0.00	0.0	7.007	0.065	8	2	1	1
PL.27678	PL.26662	A	#2 ACSR	7.42Y	123.7	0.00	1.27	1.08	1	8	2	97	0.00	0.0	6.718	0.005	0	0	0	2
PD.3758	PL.27678	A	65T	7.42Y	123.7	0.00	1.27	1.08	0	8	2	97	0.00	0.0	6.718	0.005	0	0	0	2
PL.27679	PD.3758	A	#2 ACSR	7.42Y	123.7	0.00	1.27	1.08	1	8	2	97	0.00	0.0	6.744	0.026	8	2	2	2
PL.27680	PL.27247	C	#4 ACSR	7.43Y	123.8	0.00	1.22	1.57	1	11	3	96	0.00	0.0	6.618	0.005	0	0	0	1
PD.3759	PL.27680	C	65T	7.43Y	123.8	0.00	1.22	1.57	0	11	3	96	0.00	0.0	6.618	0.005	0	0	0	1
PL.27681	PD.3759	C	#4 ACSR	7.43Y	123.8	0.00	1.22	1.57	1	11	3	96	0.00	0.0	6.664	0.046	0	0	0	1
PL.27245	PL.27681	C	#4 ACSR	7.43Y	123.8	0.00	1.23	1.57	1	11	3	96	0.00	0.0	6.726	0.062	11	3	1	1
PL.27682	PL.27249	C	#2 ACSR	7.43Y	123.8	0.00	1.16	0.72	0	5	1	98	0.00	0.0	6.505	0.005	0	0	0	1
PD.3760	PL.27682	C	65T	7.43Y	123.8	0.00	1.16	0.72	0	5	1	98	0.00	0.0	6.505	0.005	0	0	0	1
PL.27683	PD.3760	C	#2 ACSR	7.43Y	123.8	0.00	1.16	0.72	0	5	1	98	0.00	0.0	6.520	0.015	5	1	1	1
PL.27686	PL.26391	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.86	1	6	2	95	0.00	0.0	6.220	0.005	0	0	0	3
PD.3762	PL.27686	A	15T	7.44Y	124.0	0.00	1.00	0.86	0	6	2	95	0.00	0.0	6.220	0.005	0	0	0	3
PL.27687	PD.3762	A	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.86	1	6	2	95	0.00	0.0	6.329	0.109	0	0	0	3
PL.26785	PL.27687	A	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.86	1	6	2	95	0.00	0.0	6.434	0.105	0	0	0	3
PL.26786	PL.26785	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.86	1	6	2	95	0.00	0.0	6.521	0.086	0	0	0	3
PL.26392	PL.26786	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.68	0	5	1	98	0.00	0.0	6.623	0.103	0	0	0	2
PL.26393	PL.26392	A	#1/0 ACSR	7.44Y	124.0	0.00	1.02	0.68	0	5	1	98	0.00	0.0	6.682	0.059	5	1	2	2
PL.26661	PL.26786	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.18	0	1	0	100	0.00	0.0	6.604	0.084	1	0	1	1

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27578	PL.26964	C	#2 ACSR	7.44Y	124.1	0.00	0.94	0.46	0	3	1	95	0.00	0.0	6.100	0.005	0	0	0	1
PD.3707	PL.27578	C	65T	7.44Y	124.1	0.00	0.94	0.46	0	3	1	95	0.00	0.0	6.100	0.005	0	0	0	1
PL.27579	PD.3707	C	#2 ACSR	7.44Y	124.1	0.00	0.94	0.46	0	3	1	95	0.00	0.0	6.135	0.035	3	1	1	1
PL.26390	PL.27131	C	#2 ACSR	7.45Y	124.1	0.00	0.90	1.37	1	10	2	98	0.00	0.0	6.051	0.032	10	2	6	6
PL.27810	PL.26648	B	#2 ACSR	7.46Y	124.3	0.00	0.70	1.26	1	9	2	98	0.00	0.0	5.666	0.005	0	0	0	1
PD.3826	PL.27810	B	65T	7.46Y	124.3	0.00	0.70	1.26	0	9	2	98	0.00	0.0	5.666	0.005	0	0	0	1
PL.27811	PD.3826	B	#2 ACSR	7.46Y	124.3	0.00	0.70	1.26	1	9	2	98	0.00	0.0	5.694	0.028	9	2	1	1
PL.27852	PL.26648	ABC	#1/0 ACSR	7.46Y	124.3	0.04	0.73	21.16	9	459	116	97	0.11	0.0	5.755	0.094	0	0	0	114
PD.3845	PL.27852	ABC	70L	7.46Y	124.3	0.00	0.73	21.16	30	459	115	97	0.00	0.0	5.755	0.094	0	0	0	114
PL.27853	PD.3845	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.75	21.16	9	459	115	97	0.05	0.0	5.796	0.041	0	0	0	114
PL.27602	PL.27853	A	6 A (CWC)	7.46Y	124.3	0.00	0.75	0.70	0	5	1	98	0.00	0.0	5.800	0.005	0	0	0	3
PD.3719	PL.27602	A	20T	7.46Y	124.3	0.00	0.75	0.70	0	5	1	98	0.00	0.0	5.800	0.005	0	0	0	3
PL.27603	PD.3719	A	6 A (CWC)	7.46Y	124.3	0.00	0.75	0.70	0	5	1	98	0.00	0.0	5.844	0.044	5	1	3	3
PL.27158	PL.27853	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.80	20.93	9	454	114	97	0.15	0.0	5.928	0.133	0	0	1	111
PL.27159	PL.27158	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.85	20.93	9	454	114	97	0.15	0.0	6.061	0.133	1	0	2	110
PL.27600	PL.27159	C	#4 ACSR	7.45Y	124.2	0.00	0.85	2.72	2	20	5	97	0.00	0.0	6.066	0.005	0	0	0	2
PD.3718	PL.27600	C	40T	7.45Y	124.2	0.00	0.85	2.72	0	20	5	97	0.00	0.0	6.066	0.005	0	0	0	2
PL.27601	PD.3718	C	#4 ACSR	7.45Y	124.1	0.00	0.85	2.72	2	20	5	97	0.00	0.0	6.106	0.041	10	3	1	2
PL.27157	PL.27601	C	#4 ACSR	7.45Y	124.1	0.00	0.85	1.30	1	9	2	98	0.00	0.0	6.207	0.100	9	2	1	1
PL.26649	PL.27159	ABC	#1/0 ACSR	7.45Y	124.1	0.04	0.88	19.95	9	433	109	97	0.11	0.0	6.162	0.101	0	0	0	106
PL.27155	PL.26649	ABC	#1/0 ACSR	7.44Y	124.1	0.04	0.92	19.95	9	432	108	97	0.10	0.0	6.264	0.101	17	4	3	106
PL.27156	PL.27155	ABC	#1/0 ACSR	7.44Y	124.1	0.02	0.94	19.17	8	415	104	97	0.07	0.0	6.333	0.069	0	0	0	103
PL.27153	PL.27156	ABC	#1/0 ACSR	7.44Y	124.0	0.04	0.98	19.17	8	415	104	97	0.12	0.0	6.454	0.121	3	1	1	103
PL.27154	PL.27153	ABC	#1/0 ACSR	7.44Y	124.0	0.02	1.01	19.01	8	412	103	97	0.06	0.0	6.519	0.065	10	3	1	102
PL.27598	PL.27154	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.58	0	4	1	97	0.00	0.0	6.524	0.005	0	0	0	1
PD.3717	PL.27598	C	40T	7.44Y	124.0	0.00	1.01	0.58	0	4	1	97	0.00	0.0	6.524	0.005	0	0	0	1
PL.27599	PD.3717	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.58	0	4	1	97	0.00	0.0	6.561	0.037	4	1	1	1
PL.27151	PL.27154	ABC	#1/0 ACSR	7.44Y	124.0	0.02	1.03	18.34	8	397	99	97	0.07	0.0	6.594	0.075	8	2	2	100
PL.27152	PL.27151	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.05	17.96	8	389	97	97	0.06	0.0	6.665	0.070	4	1	1	98
PL.27148	PL.27152	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.07	17.22	7	373	93	97	0.04	0.0	6.724	0.059	30	8	8	90
PL.27149	PL.27148	ABC	#1/0 ACSR	7.44Y	123.9	0.01	1.08	15.82	7	342	86	97	0.03	0.0	6.770	0.047	0	0	0	82

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26650	PL.27149	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.10	14.77	6	320	80	97	0.04	0.0	6.843	0.073	13	3	2	74
PL.27592	PL.26650	A	6 A (CWC)	7.43Y	123.9	0.00	1.10	6.44	5	46	12	97	0.00	0.0	6.848	0.005	0	0	0	11
PD.3714	PL.27592	A	20T	7.43Y	123.9	0.00	1.10	6.44	0	46	12	97	0.00	0.0	6.848	0.005	0	0	0	11
PL.27593	PD.3714	A	6 A (CWC)	7.43Y	123.9	0.02	1.12	6.44	5	46	12	97	0.00	0.0	6.914	0.066	16	4	2	11
PL.27146	PL.27593	A	#4 ACSR	7.43Y	123.9	0.00	1.12	1.36	1	10	2	98	0.00	0.0	6.947	0.033	7	2	1	2
PL.27147	PL.27146	A	#4 ACSR	7.43Y	123.9	0.00	1.12	0.33	0	2	1	89	0.00	0.0	7.004	0.057	2	1	1	1
PL.26651	PL.27593	A	6 A (CWC)	7.43Y	123.9	0.01	1.13	2.91	2	21	5	97	0.00	0.0	6.983	0.069	0	0	0	7
PL.26652	PL.26651	A	6 A (CWC)	7.43Y	123.9	0.00	1.13	1.87	1	13	3	97	0.00	0.0	7.004	0.021	0	0	0	5
PL.26653	PL.26652	A	6 A (CWC)	7.43Y	123.9	0.01	1.14	1.45	1	10	3	96	0.00	0.0	7.104	0.100	0	0	0	1
PL.26375	PL.26653	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.45	1	10	3	96	0.00	0.0	7.188	0.084	10	3	1	1
PL.27144	PL.26652	A	6 A (CWC)	7.43Y	123.9	0.00	1.13	0.42	0	3	1	95	0.00	0.0	7.079	0.075	2	1	3	4
PL.27145	PL.27144	A	6 A (CWC)	7.43Y	123.9	0.00	1.13	0.14	0	1	0	100	0.00	0.0	7.148	0.069	1	0	1	1
PL.26374	PL.26651	A	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.04	0	7	2	96	0.00	0.0	7.022	0.039	7	2	2	2
PL.27142	PL.26650	ABC	#1/0 ACSR	7.43Y	123.9	0.03	1.13	12.00	5	260	65	97	0.05	0.0	6.962	0.119	5	1	1	61
PL.27143	PL.27142	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.13	11.78	5	255	64	97	0.01	0.0	6.994	0.032	7	2	2	60
PL.27141	PL.27143	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.16	11.47	5	248	62	97	0.05	0.0	7.138	0.144	6	2	2	58
PL.27140	PL.27141	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.18	11.18	5	242	60	97	0.02	0.0	7.208	0.070	17	4	3	56
PL.27590	PL.27140	A	#4 ACSR	7.43Y	123.8	0.00	1.18	3.31	3	24	6	97	0.00	0.0	7.213	0.005	0	0	0	5
PD.3713	PL.27590	A	40T	7.43Y	123.8	0.00	1.18	3.31	0	24	6	97	0.00	0.0	7.213	0.005	0	0	0	5
PL.27591	PD.3713	A	#4 ACSR	7.43Y	123.8	0.00	1.18	3.31	3	24	6	97	0.00	0.0	7.241	0.028	24	6	5	5
PL.26654	PL.27140	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.19	9.27	4	201	50	97	0.02	0.0	7.282	0.073	6	2	2	48
PL.27588	PL.26654	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	3.92	3	28	7	97	0.00	0.0	7.286	0.005	0	0	0	9
PD.3712	PL.27588	A	40T	7.43Y	123.8	0.00	1.19	3.92	0	28	7	97	0.00	0.0	7.286	0.005	0	0	0	9
PL.27589	PD.3712	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	3.92	3	28	7	97	0.00	0.0	7.314	0.027	8	2	2	9
PL.26376	PL.27589	A	6 A (CWC)	7.43Y	123.8	0.01	1.20	2.85	2	21	5	97	0.00	0.0	7.386	0.072	0	0	2	7
PL.26377	PL.26376	A	6 A (CWC)	7.43Y	123.8	0.00	1.20	1.49	1	11	3	96	0.00	0.0	7.445	0.060	11	3	4	4
PL.26378	PL.26376	A	6 A (CWC)	7.43Y	123.8	0.00	1.20	1.32	1	9	2	98	0.00	0.0	7.496	0.110	9	2	1	1
PL.26655	PL.26654	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.20	7.68	3	166	41	97	0.01	0.0	7.359	0.077	1	0	1	37
PL.26379	PL.26655	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.21	7.61	3	165	41	97	0.02	0.0	7.482	0.123	0	0	0	36
PL.26784	PL.26379	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.22	7.61	3	164	41	97	0.01	0.0	7.560	0.079	0	0	0	36
PL.27586	PL.26784	C	#1/0 ACSR	7.43Y	123.8	0.00	1.22	0.12	0	1	0	100	0.00	0.0	7.565	0.004	0	0	0	1

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3711	PL.27586	C	30T	7.43Y	123.8	0.00	1.22	0.12	0	1	0	100	0.00	0.0	7.565	0.004	0	0	0	1
PL.27587	PD.3711	C	#1/0 ACSR	7.43Y	123.8	0.00	1.22	0.12	0	1	0	100	0.00	0.0	7.584	0.019	1	0	1	1
PL.26656	PL.26784	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.24	7.57	3	164	41	97	0.02	0.0	7.673	0.112	0	0	0	35
PL.26657	PL.26656	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.25	5.25	2	114	28	97	0.01	0.0	7.797	0.125	0	0	0	26
PL.26658	PL.26657	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.26	3.43	1	74	19	97	0.00	0.0	7.940	0.143	0	0	0	22
PL.26747	PL.26658	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.26	3.43	1	74	19	97	0.00	0.0	7.989	0.049	0	0	1	22
PL.26384	PL.26747	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.27	3.43	1	74	19	97	0.00	0.0	8.096	0.107	0	0	0	21
PL.26953	PL.26384	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.28	3.43	1	74	18	97	0.00	0.0	8.224	0.128	5	1	4	21
PL.27132	PL.26953	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.28	3.20	1	69	17	97	0.00	0.0	8.312	0.088	3	1	1	17
PL.27133	PL.27132	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.29	3.08	1	67	17	97	0.00	0.0	8.360	0.048	0	0	0	16
PL.27206	PL.27133	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.29	2.87	1	62	15	97	0.00	0.0	8.437	0.077	8	2	2	15
PL.27207	PL.27206	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.30	2.51	1	54	14	97	0.00	0.0	8.606	0.169	0	0	0	13
PL.27638	PL.27207	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.52	0	4	1	97	0.00	0.0	8.611	0.005	0	0	0	1
PD.3737	PL.27638	C	40T	7.42Y	123.7	0.00	1.30	0.52	0	4	1	97	0.00	0.0	8.611	0.005	0	0	0	1
PL.27639	PD.3737	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.52	0	4	1	97	0.00	0.0	8.672	0.062	4	1	1	1
PL.26959	PL.27207	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.30	2.34	1	51	13	97	0.00	0.0	8.647	0.041	1	0	1	12
PL.27640	PL.26959	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	2.04	1	15	4	97	0.00	0.0	8.652	0.005	0	0	0	2
PD.3738	PL.27640	C	20T	7.42Y	123.7	0.00	1.30	2.04	0	15	4	97	0.00	0.0	8.652	0.005	0	0	0	2
PL.27641	PD.3738	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	2.04	1	15	4	97	0.00	0.0	8.693	0.041	7	2	1	2
PL.26389	PL.27641	C	#2 ACSR	7.42Y	123.7	0.00	1.30	1.12	1	8	2	97	0.00	0.0	8.732	0.039	8	2	1	1
PL.26385	PL.26959	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.30	1.63	1	35	9	97	0.00	0.0	8.684	0.037	13	3	2	9
PL.27642	PL.26385	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	1.72	1	12	3	97	0.00	0.0	8.689	0.005	0	0	0	3
PD.3739	PL.27642	A	40T	7.42Y	123.7	0.00	1.30	1.72	0	12	3	97	0.00	0.0	8.689	0.005	0	0	0	3
PL.27643	PD.3739	A	6 A (CWC)	7.42Y	123.7	0.01	1.31	1.72	1	12	3	97	0.00	0.0	8.794	0.105	0	0	0	3
PL.26388	PL.27643	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.39	0	3	1	95	0.00	0.0	8.870	0.076	3	1	2	2
PL.26387	PL.27643	A	#4 ACSR	7.42Y	123.7	0.00	1.31	1.33	1	10	2	98	0.00	0.0	8.877	0.083	10	2	1	1
PL.26659	PL.26385	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.45	0	10	2	98	0.00	0.0	8.779	0.095	0	0	0	4
PL.26386	PL.26659	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.45	0	10	2	98	0.00	0.0	8.831	0.052	0	0	0	4
PL.27208	PL.26386	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.28	0	6	2	95	0.00	0.0	8.914	0.083	6	2	3	3
PL.27209	PL.27208	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	8.962	0.048	0	0	0	0
PL.21238	PL.27209	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	8.966	0.004	0	0	0	0

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3044-B	PL.21238	ABC	Open	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	8.966	0.004	0	0	0	0
PL.27644	PL.26386	A	#4 ACSR	7.42Y	123.7	0.00	1.30	0.50	0	4	1	97	0.00	0.0	8.836	0.005	0	0	0	1
PD.3740	PL.27644	A	30T	7.42Y	123.7	0.00	1.30	0.50	0	4	1	97	0.00	0.0	8.836	0.005	0	0	0	1
PL.27645	PD.3740	A	#4 ACSR	7.42Y	123.7	0.00	1.30	0.50	0	4	1	97	0.00	0.0	8.849	0.013	4	1	1	1
PL.27582	PL.27133	C	#4 ACSR	7.42Y	123.7	0.00	1.29	0.65	0	5	1	98	0.00	0.0	8.365	0.005	0	0	0	1
PD.3709	PL.27582	C	30T	7.42Y	123.7	0.00	1.29	0.65	0	5	1	98	0.00	0.0	8.365	0.005	0	0	0	1
PL.27583	PD.3709	C	#4 ACSR	7.42Y	123.7	0.00	1.29	0.65	0	5	1	98	0.00	0.0	8.404	0.039	5	1	1	1
PL.26383	PL.26657	ABC	#2 ACSR	7.42Y	123.7	0.00	1.25	1.82	1	39	10	97	0.00	0.0	7.866	0.069	22	5	1	4
PL.66157	PL.26383	C	#4 ACSR	7.42Y	123.7	0.00	1.25	2.45	2	18	4	98	0.00	0.0	7.868	0.002	0	0	0	3
PD.9595	PL.66157	C	12T	7.42Y	123.7	0.00	1.25	2.45	0	18	4	98	0.00	0.0	7.868	0.002	0	0	0	3
PL.66158	PD.9595	C	#4 ACSR	7.42Y	123.7	0.00	1.26	2.45	2	18	4	98	0.00	0.0	7.892	0.023	2	1	1	3
PL.27136	PL.66158	C	#4 ACSR	7.42Y	123.7	0.00	1.26	2.13	2	15	4	97	0.00	0.0	7.941	0.050	6	2	1	2
PL.27134	PL.27136	C	#4 ACSR	7.42Y	123.7	0.00	1.26	1.29	1	9	2	98	0.00	0.0	7.998	0.057	9	2	1	1
PL.27584	PL.26656	A	6 A (CWC)	7.43Y	123.8	0.00	1.24	6.95	5	50	12	97	0.00	0.0	7.677	0.004	0	0	0	9
PD.3710	PL.27584	A	40T	7.43Y	123.8	0.00	1.24	6.95	0	50	12	97	0.00	0.0	7.677	0.004	0	0	0	9
PL.27585	PD.3710	A	6 A (CWC)	7.42Y	123.7	0.02	1.27	6.95	5	50	12	97	0.01	0.0	7.755	0.078	0	0	0	9
PL.27137	PL.27585	A	6 A (CWC)	7.42Y	123.7	0.03	1.30	6.95	5	50	12	97	0.01	0.0	7.848	0.093	0	0	0	9
PL.26428	PL.27137	A	#4 ACSR	7.42Y	123.7	0.00	1.30	0.49	0	4	1	97	0.00	0.0	7.871	0.023	4	1	1	1
PL.26380	PL.27137	A	6 A (CWC)	7.42Y	123.7	0.03	1.32	5.31	4	38	10	97	0.01	0.0	7.980	0.132	12	3	2	7
PL.26382	PL.26380	A	6 A (CWC)	7.42Y	123.7	0.00	1.32	1.04	1	8	2	97	0.00	0.0	8.039	0.060	8	2	2	2
PL.26957	PL.26380	A	#4 ACSR	7.42Y	123.7	0.00	1.32	2.54	2	18	5	96	0.00	0.0	8.004	0.024	0	0	0	3
PL.27138	PL.26957	A	#4 ACSR	7.42Y	123.7	0.00	1.33	2.29	2	16	4	97	0.00	0.0	8.037	0.034	6	1	1	2
PL.27139	PL.27138	A	#4 ACSR	7.42Y	123.7	0.00	1.33	1.51	1	11	3	96	0.00	0.0	8.090	0.053	11	3	1	1
PL.26381	PL.26957	A	6 A (CWC)	7.42Y	123.7	0.00	1.32	0.25	0	2	0	100	0.00	0.0	8.020	0.017	2	0	1	1
PL.26429	PL.27137	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	1.14	1	8	2	97	0.00	0.0	7.914	0.066	8	2	1	1
PL.27594	PL.27149	B	#2 ACSR	7.44Y	123.9	0.00	1.08	3.15	2	23	6	97	0.00	0.0	6.775	0.005	0	0	0	8
PD.3715	PL.27594	B	40T	7.44Y	123.9	0.00	1.08	3.15	0	23	6	97	0.00	0.0	6.775	0.005	0	0	0	8
PL.27595	PD.3715	B	#2 ACSR	7.43Y	123.9	0.00	1.09	3.15	2	23	6	97	0.00	0.0	6.829	0.054	23	6	8	8
PL.27596	PL.27152	C	#4 ACSR	7.44Y	123.9	0.00	1.05	1.70	1	12	3	97	0.00	0.0	6.669	0.005	0	0	0	7
PD.3716	PL.27596	C	25T	7.44Y	123.9	0.00	1.05	1.70	0	12	3	97	0.00	0.0	6.669	0.005	0	0	0	7
PL.27597	PD.3716	C	#4 ACSR	7.44Y	123.9	0.00	1.05	1.70	1	12	3	97	0.00	0.0	6.697	0.028	4	1	5	7

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27150	PL.27597	C	#4 ACSR	7.44Y	123.9	0.00	1.06	1.14	1	8	2	97	0.00	0.0	6.774	0.077	8	2	2	2
PL.27604	PL.26648	A	#2 ACSR	7.46Y	124.3	0.00	0.70	0.31	0	2	1	89	0.00	0.0	5.666	0.005	0	0	0	1
PD.3720	PL.27604	A	65T	7.46Y	124.3	0.00	0.70	0.31	0	2	1	89	0.00	0.0	5.666	0.005	0	0	0	1
PL.27605	PD.3720	A	#2 ACSR	7.46Y	124.3	0.00	0.70	0.31	0	2	1	89	0.00	0.0	5.732	0.066	2	1	1	1
PL.27844	PL.26642	C	6 A (CWC)	7.48Y	124.6	0.02	0.38	16.53	12	120	30	97	0.02	0.0	5.217	0.024	0	0	0	35
PD.3842	PL.27844	C	50L	7.48Y	124.6	0.00	0.38	16.53	33	120	30	97	0.00	0.0	5.217	0.024	0	0	0	35
PL.27845	PD.3842	C	6 A (CWC)	7.48Y	124.6	0.02	0.40	16.53	12	120	30	97	0.02	0.0	5.246	0.029	4	1	1	35
PL.27177	PL.27845	C	6 A (CWC)	7.47Y	124.6	0.02	0.42	15.93	11	115	29	97	0.02	0.0	5.271	0.026	3	1	1	34
PL.27176	PL.27177	C	6 A (CWC)	7.47Y	124.5	0.03	0.45	15.48	11	112	28	97	0.02	0.0	5.314	0.042	0	0	1	33
PL.27175	PL.27176	C	6 A (CWC)	7.47Y	124.5	0.09	0.54	15.44	11	112	28	97	0.08	0.1	5.444	0.131	0	0	0	32
PL.27173	PL.27175	C	6 A (CWC)	7.46Y	124.4	0.05	0.60	15.44	11	112	28	97	0.04	0.0	5.523	0.078	5	1	1	32
PL.27174	PL.27173	C	6 A (CWC)	7.46Y	124.4	0.05	0.64	14.75	11	107	27	97	0.04	0.0	5.594	0.072	0	0	0	31
PL.26644	PL.27174	C	6 A (CWC)	7.46Y	124.4	0.00	0.64	0.32	0	2	1	89	0.00	0.0	5.646	0.052	2	1	1	1
PL.27171	PL.27174	C	6 A (CWC)	7.46Y	124.3	0.04	0.68	14.43	10	104	26	97	0.03	0.0	5.650	0.056	4	1	2	30
PL.27172	PL.27171	C	6 A (CWC)	7.46Y	124.3	0.04	0.72	13.89	10	101	25	97	0.03	0.0	5.715	0.065	3	1	1	28
PL.27170	PL.27172	C	6 A (CWC)	7.45Y	124.2	0.06	0.78	13.45	10	97	24	97	0.04	0.0	5.823	0.108	18	4	4	27
PL.27169	PL.27170	C	6 A (CWC)	7.45Y	124.2	0.03	0.81	11.03	8	80	20	97	0.02	0.0	5.893	0.069	9	2	1	23
PL.26363	PL.27169	C	#2 ACSR	7.45Y	124.2	0.00	0.81	1.36	1	10	2	98	0.00	0.0	5.939	0.047	10	2	1	1
PL.27167	PL.27169	C	6 A (CWC)	7.45Y	124.2	0.01	0.82	8.37	6	61	15	97	0.00	0.0	5.919	0.026	14	3	4	21
PL.27168	PL.27167	C	6 A (CWC)	7.45Y	124.2	0.01	0.83	6.50	5	47	12	97	0.00	0.0	5.961	0.042	8	2	1	17
PL.27166	PL.27168	C	6 A (CWC)	7.45Y	124.2	0.02	0.85	5.43	4	39	10	97	0.00	0.0	6.029	0.068	3	1	1	16
PL.26369	PL.27166	C	6 A (CWC)	7.45Y	124.1	0.00	0.85	0.74	1	5	1	98	0.00	0.0	6.157	0.128	5	1	1	1
PL.26364	PL.27166	C	#4 ACSR	7.45Y	124.1	0.02	0.87	2.56	2	19	5	97	0.00	0.0	6.201	0.173	0	0	0	10
PL.27164	PL.26364	C	#2 ACSR	7.45Y	124.1	0.00	0.87	0.78	0	6	1	99	0.00	0.0	6.285	0.084	5	1	2	3
PL.27165	PL.27164	C	#2 ACSR	7.45Y	124.1	0.00	0.87	0.05	0	0	0	100	0.00	0.0	6.349	0.065	0	0	1	1
PL.26645	PL.26364	C	#4 ACSR	7.45Y	124.1	0.00	0.87	1.78	1	13	3	97	0.00	0.0	6.282	0.080	9	2	1	7
PL.26646	PL.26645	C	#4 ACSR	7.45Y	124.1	0.00	0.87	0.25	0	2	0	100	0.00	0.0	6.357	0.076	0	0	1	4
PL.26366	PL.26646	C	#4 ACSR	7.45Y	124.1	0.00	0.87	0.05	0	0	0	100	0.00	0.0	6.471	0.114	0	0	1	1
PL.26367	PL.26646	C	#4 ACSR	7.45Y	124.1	0.00	0.87	0.02	0	0	0	100	0.00	0.0	6.442	0.085	0	0	1	1
PL.26368	PL.26646	C	#2 ACSR	7.45Y	124.1	0.00	0.87	0.18	0	1	0	100	0.00	0.0	6.378	0.021	1	0	1	1
PL.26365	PL.26645	C	#4 ACSR	7.45Y	124.1	0.00	0.87	0.34	0	2	1	89	0.00	0.0	6.364	0.082	2	1	2	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27162	PL.27166	C	6 A (CWC)	7.45Y	124.1	0.01	0.86	1.74	1	13	3	97	0.00	0.0	6.123	0.095	0	0	1	4
PL.27163	PL.27162	C	6 A (CWC)	7.45Y	124.1	0.01	0.86	1.74	1	13	3	97	0.00	0.0	6.209	0.086	0	0	0	3
PL.26370	PL.27163	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	1.74	1	13	3	97	0.00	0.0	6.249	0.040	0	0	0	3
PL.27160	PL.26370	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	1.15	1	8	2	97	0.00	0.0	6.336	0.087	7	2	1	2
PL.27161	PL.27160	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.13	0	1	0	100	0.00	0.0	6.392	0.056	1	0	1	1
PL.26371	PL.26370	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.59	0	4	1	97	0.00	0.0	6.380	0.131	0	0	0	1
PL.26781	PL.26371	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.59	0	4	1	97	0.00	0.0	6.494	0.114	0	0	0	1
PL.26782	PL.26781	C	6 A (CWC)	7.45Y	124.1	0.00	0.88	0.59	0	4	1	97	0.00	0.0	6.593	0.099	4	1	1	1
PL.26372	PL.26782	C	6 A (CWC)	7.45Y	124.1	0.00	0.88	0.00	0	0	0	100	0.00	0.0	6.680	0.087	0	0	0	0
PL.26373	PL.26372	C	#2 ACSR	7.45Y	124.1	0.00	0.88	0.00	0	0	0	100	0.00	0.0	6.712	0.032	0	0	0	0
PL.27606	PL.26642	C	#4 ACSR	7.48Y	124.6	0.00	0.36	0.50	0	4	1	97	0.00	0.0	5.198	0.005	0	0	0	1
PD.3721	PL.27606	C	40T	7.48Y	124.6	0.00	0.36	0.50	0	4	1	97	0.00	0.0	5.198	0.005	0	0	0	1
PL.27607	PD.3721	C	#4 ACSR	7.48Y	124.6	0.00	0.37	0.50	0	4	1	97	0.00	0.0	5.307	0.110	4	1	1	1
PL.27608	PL.27869	A	#2 ACSR	7.48Y	124.7	0.00	0.31	0.93	1	7	2	96	0.00	0.0	5.128	0.005	0	0	0	1
PD.3722	PL.27608	A	65T	7.48Y	124.7	0.00	0.31	0.93	0	7	2	96	0.00	0.0	5.128	0.005	0	0	0	1
PL.27609	PD.3722	A	#2 ACSR	7.48Y	124.7	0.00	0.31	0.93	1	7	2	96	0.00	0.0	5.151	0.023	7	2	1	1
CP.40	PL.27868	ABC	Cap (300)	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	5.104	0.023	0	0	0	0
PL.27616	PL.27182	C	6 A (CWC)	7.49Y	124.9	0.00	0.09	0.73	1	5	1	98	0.00	0.0	4.836	0.005	0	0	0	2
PD.3726	PL.27616	C	40T	7.49Y	124.9	0.00	0.09	0.73	0	5	1	98	0.00	0.0	4.836	0.005	0	0	0	2
PL.27617	PD.3726	C	6 A (CWC)	7.49Y	124.9	0.00	0.09	0.73	1	5	1	98	0.00	0.0	4.869	0.032	5	1	1	2
PL.27180	PL.27617	C	6 A (CWC)	7.49Y	124.9	0.00	0.09	0.11	0	1	0	100	0.00	0.0	4.923	0.055	1	0	1	1
PL.27618	PL.26637	C	#4 ACSR	7.51Y	125.1	0.00	-0.09	1.92	1	14	3	98	0.00	0.0	4.605	0.005	0	0	0	3
PD.3727	PL.27618	C	15T	7.51Y	125.1	0.00	-0.09	1.92	0	14	3	98	0.00	0.0	4.605	0.005	0	0	0	3
PL.27619	PD.3727	C	#4 ACSR	7.51Y	125.1	0.01	-0.08	1.92	1	14	3	98	0.00	0.0	4.727	0.122	0	0	0	3
PL.26965	PL.27619	C	#4 ACSR	7.51Y	125.1	0.00	-0.08	0.52	0	4	1	97	0.00	0.0	4.761	0.034	4	1	1	1
PL.26358	PL.27619	C	#4 ACSR	7.50Y	125.1	0.00	-0.08	1.40	1	10	3	96	0.00	0.0	4.753	0.026	0	0	0	2
PL.26638	PL.26358	C	#4 ACSR	7.50Y	125.1	0.00	-0.08	0.62	0	4	1	97	0.00	0.0	4.893	0.140	4	1	1	1
PL.26359	PL.26358	C	#1/0 ACSR	7.50Y	125.1	0.00	-0.08	0.79	0	6	1	99	0.00	0.0	4.940	0.187	0	0	0	1
PL.26780	PL.26359	C	#1/0 ACSR	7.50Y	125.1	0.00	-0.08	0.79	0	6	1	99	0.00	0.0	5.094	0.154	6	1	1	1
PL.27500	PL.26960	C	6 A (CWC)	7.14Y	118.9	0.00	6.05	10.76	8	75	19	97	0.00	0.0	3.599	0.004	0	0	0	36
PD.3667	PL.27500	C	25T	7.14Y	118.9	0.00	6.05	10.76	0	75	19	97	0.00	0.0	3.599	0.004	0	0	0	36

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27501	PD.3667	C	6 A (CWC)	7.13Y	118.9	0.05	6.10	10.76	8	75	19	97	0.03	0.0	3.691	0.092	0	0	0	36
PL.26767	PL.27501	C	6 A (CWC)	7.13Y	118.9	0.05	6.15	10.76	8	74	19	97	0.03	0.0	3.800	0.109	0	0	0	36
PL.27075	PL.26767	C	6 A (CWC)	7.13Y	118.8	0.02	6.17	10.76	8	74	19	97	0.01	0.0	3.838	0.039	3	1	1	36
PL.27076	PL.27075	C	6 A (CWC)	7.13Y	118.8	0.02	6.19	10.26	7	71	18	97	0.01	0.0	3.886	0.047	0	0	0	35
PL.26282	PL.27076	C	#4 ACSR	7.13Y	118.8	0.03	6.22	7.98	6	55	14	97	0.01	0.0	3.961	0.076	0	0	0	31
PL.27516	PL.26282	C	#1/0 ACSR	7.13Y	118.8	0.00	6.22	1.40	1	10	2	98	0.00	0.0	3.966	0.005	0	0	0	2
PD.3676	PL.27516	C	40T	7.13Y	118.8	0.00	6.22	1.40	0	10	2	98	0.00	0.0	3.966	0.005	0	0	0	2
PL.27517	PD.3676	C	#1/0 ACSR	7.13Y	118.8	0.00	6.22	1.40	1	10	2	98	0.00	0.0	4.019	0.053	0	0	1	2
PL.27030	PL.27517	C	#1/0 ACSR	7.13Y	118.8	0.00	6.22	1.34	1	9	2	98	0.00	0.0	4.041	0.022	9	2	1	1
PL.27031	PL.26282	C	#4 ACSR	7.13Y	118.8	0.01	6.22	6.58	5	46	11	97	0.00	0.0	3.995	0.034	43	11	28	29
PL.27032	PL.27031	C	#4 ACSR	7.13Y	118.8	0.00	6.22	0.38	0	3	1	95	0.00	0.0	4.047	0.051	3	1	1	1
PL.26616	PL.27076	C	6 A (CWC)	7.13Y	118.8	0.00	6.19	2.28	2	16	4	97	0.00	0.0	3.935	0.049	3	1	1	4
PL.27070	PL.26616	C	6 A (CWC)	7.13Y	118.8	0.00	6.20	1.83	1	13	3	97	0.00	0.0	3.985	0.050	4	1	1	3
PL.27073	PL.27070	C	6 A (CWC)	7.13Y	118.8	0.00	6.20	1.23	1	9	2	98	0.00	0.0	4.042	0.057	2	1	1	2
PL.27074	PL.27073	C	6 A (CWC)	7.13Y	118.8	0.00	6.20	0.94	1	6	2	95	0.00	0.0	4.119	0.077	6	2	1	1
PL.27506	PL.27791	A	#2 ACSR	7.15Y	119.2	0.00	5.81	0.43	0	3	1	95	0.00	0.0	3.384	0.005	0	0	0	2
PD.3671	PL.27506	A	65T	7.15Y	119.2	0.00	5.81	0.43	0	3	1	95	0.00	0.0	3.384	0.005	0	0	0	2
PL.27507	PD.3671	A	#2 ACSR	7.15Y	119.2	0.00	5.81	0.43	0	3	1	95	0.00	0.0	3.399	0.015	3	1	2	2
PL.26263	PL.27791	B	#1/0 ACSR	7.15Y	119.1	0.05	5.86	22.75	10	158	40	97	0.06	0.0	3.485	0.106	0	0	0	43
PD.4468	PL.26263	B	50L	7.15Y	119.1	0.00	5.86	22.75	46	158	40	97	0.00	0.0	3.485	0.106	0	0	0	43
PL.32622	PD.4468	B	#1/0 ACSR	7.15Y	119.1	0.00	5.87	22.75	10	158	40	97	0.00	0.0	3.493	0.008	0	0	0	43
PL.26264	PL.32622	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	2.98	2	21	5	97	0.00	0.0	3.537	0.044	12	3	3	7
PL.26265	PL.26264	B	#4 ACSR	7.15Y	119.1	0.00	5.87	1.26	1	9	2	98	0.00	0.0	3.569	0.032	9	2	4	4
PL.27839	PL.32622	B	#1/0 ACSR	7.15Y	119.1	0.04	5.91	19.78	9	137	34	97	0.04	0.0	3.587	0.094	6	1	1	36
PL.27096	PL.27839	B	#1/0 ACSR	7.14Y	119.1	0.02	5.93	18.98	8	132	33	97	0.02	0.0	3.631	0.043	12	3	1	35
PL.27097	PL.27096	B	#1/0 ACSR	7.14Y	119.1	0.00	5.93	2.49	1	17	4	97	0.00	0.0	3.690	0.059	11	3	2	4
PL.27098	PL.27097	B	#1/0 ACSR	7.14Y	119.1	0.00	5.93	0.95	0	7	2	96	0.00	0.0	3.710	0.020	7	2	2	2
PL.26608	PL.27096	B	#1/0 ACSR	7.14Y	119.1	0.01	5.93	14.75	6	102	26	97	0.01	0.0	3.657	0.026	6	1	2	30
PL.26609	PL.26608	B	#1/0 ACSR	7.14Y	119.0	0.02	5.96	13.90	6	96	24	97	0.02	0.0	3.730	0.073	0	0	0	28
PL.26267	PL.26609	B	6 A (CWC)	7.14Y	119.0	0.00	5.96	1.31	1	9	2	98	0.00	0.0	3.802	0.072	1	0	1	5
PL.27099	PL.26267	B	#2 ACSR	7.14Y	119.0	0.00	5.96	1.23	1	9	2	98	0.00	0.0	3.831	0.029	4	1	1	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27100	PL.27099	B	#2 ACSR	7.14Y	119.0	0.00	5.96	0.59	0	4	1	97	0.00	0.0	3.859	0.028	0	0	1	3
PL.26268	PL.27100	B	#2 ACSR	7.14Y	119.0	0.00	5.96	0.57	0	4	1	97	0.00	0.0	3.954	0.095	4	1	2	2
PL.32628	PL.26609	B	#1/0 ACSR	7.14Y	119.0	0.03	5.99	12.59	5	87	22	97	0.02	0.0	3.834	0.104	0	0	0	23
PL.32629	PL.32628	B	#1/0 ACSR	7.14Y	119.0	0.02	6.01	12.59	5	87	22	97	0.01	0.0	3.910	0.076	0	0	0	23
PL.32630	PL.32629	B	#1/0 ACSR	7.14Y	118.9	0.06	6.07	12.59	5	87	22	97	0.03	0.0	4.104	0.194	0	0	0	23
PL.32631	PL.32630	B	#1/0 ACSR	7.14Y	118.9	0.00	6.07	0.46	0	3	1	95	0.00	0.0	4.199	0.094	0	0	0	1
PL.26269	PL.32631	B	#1/0 ACSR	7.14Y	118.9	0.00	6.07	0.46	0	3	1	95	0.00	0.0	4.229	0.031	3	1	1	1
PL.32632	PL.32630	B	#4 ACSR	7.14Y	118.9	0.00	6.07	0.00	0	0	0	100	0.00	0.0	4.145	0.041	0	0	0	0
PL.32633	PL.32630	B	#1/0 ACSR	7.13Y	118.9	0.02	6.09	12.13	5	84	21	97	0.01	0.0	4.179	0.074	0	0	0	22
PL.32634	PL.32633	B	#1/0 ACSR	7.13Y	118.9	0.04	6.12	12.13	5	84	21	97	0.02	0.0	4.316	0.138	0	0	0	22
PL.32635	PL.32634	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	1.32	1	9	2	98	0.00	0.0	4.332	0.015	0	0	0	1
PL.26271	PL.32635	B	#2 ACSR	7.13Y	118.9	0.00	6.13	1.32	1	9	2	98	0.00	0.0	4.445	0.113	0	0	0	1
PL.26763	PL.26271	B	#1/0 ACSR	7.13Y	118.9	0.00	6.13	1.32	1	9	2	98	0.00	0.0	4.617	0.172	9	2	1	1
PL.26273	PL.32634	B	#1/0 ACSR	7.13Y	118.9	0.02	6.14	10.81	5	75	19	97	0.01	0.0	4.401	0.085	0	0	0	21
PL.26274	PL.26273	B	6 A (CWC)	7.13Y	118.8	0.01	6.15	1.54	1	11	3	96	0.00	0.0	4.533	0.132	0	0	0	2
PL.26765	PL.26274	B	6 A (CWC)	7.13Y	118.8	0.01	6.16	1.54	1	11	3	96	0.00	0.0	4.621	0.088	0	0	0	2
PL.26764	PL.26765	B	6 A (CWC)	7.13Y	118.8	0.01	6.17	1.54	1	11	3	96	0.00	0.0	4.743	0.122	3	1	1	2
PL.26275	PL.26764	B	#2 ACSR	7.13Y	118.8	0.00	6.17	1.09	1	8	2	97	0.00	0.0	4.889	0.146	8	2	1	1
PL.26612	PL.26273	B	#1/0 ACSR	7.13Y	118.8	0.02	6.16	9.27	4	64	16	97	0.01	0.0	4.486	0.085	0	0	0	19
PL.26766	PL.26612	B	#1/0 ACSR	7.13Y	118.8	0.03	6.19	9.27	4	64	16	97	0.01	0.0	4.609	0.123	0	0	0	19
PL.26864	PL.26766	B	#1/0 ACSR	7.13Y	118.8	0.03	6.22	9.27	4	64	16	97	0.01	0.0	4.749	0.140	4	1	1	19
PL.26865	PL.26864	B	6 A (CWC)	7.13Y	118.8	0.01	6.22	8.72	6	60	15	97	0.00	0.0	4.767	0.019	0	0	0	18
PL.26281	PL.26865	B	6 A (CWC)	7.12Y	118.7	0.05	6.27	8.72	6	60	15	97	0.02	0.0	4.885	0.118	0	0	0	18
PL.27101	PL.26281	B	6 A (CWC)	7.12Y	118.7	0.05	6.32	8.72	6	60	15	97	0.02	0.0	5.003	0.118	0	0	1	18
PL.27102	PL.27101	B	6 A (CWC)	7.12Y	118.7	0.01	6.33	8.72	6	60	15	97	0.01	0.0	5.033	0.030	4	1	1	17
PL.26280	PL.27102	B	6 A (CWC)	7.12Y	118.6	0.03	6.36	8.18	6	56	14	97	0.01	0.0	5.122	0.089	10	3	4	16
PL.26279	PL.26280	B	6 A (CWC)	7.12Y	118.6	0.01	6.37	6.66	5	46	11	97	0.00	0.0	5.168	0.046	9	2	2	12
PL.26278	PL.26279	B	6 A (CWC)	7.12Y	118.6	0.04	6.41	5.39	4	37	9	97	0.01	0.0	5.334	0.166	0	0	0	10
PL.26614	PL.26278	B	6 A (CWC)	7.11Y	118.6	0.02	6.43	5.38	4	37	9	97	0.00	0.0	5.409	0.075	6	2	2	9
PL.26276	PL.26614	B	#4 ACSR	7.11Y	118.6	0.01	6.44	4.49	3	31	8	97	0.00	0.0	5.470	0.061	14	3	4	7
PL.27103	PL.26276	B	#1/0 ACSR	7.11Y	118.6	0.00	6.44	2.49	1	17	4	97	0.00	0.0	5.503	0.034	8	2	1	3

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27104	PL.27103	B	#1/0 ACSR	7.11Y	118.6	0.00	6.44	1.35	1	9	2	98	0.00	0.0	5.533	0.029	1	0	1	2
PL.27095	PL.27104	B	#1/0 ACSR	7.11Y	118.6	0.00	6.44	1.24	1	9	2	98	0.00	0.0	5.610	0.077	9	2	1	1
PL.26277	PL.26278	B	#4 ACSR	7.12Y	118.6	0.00	6.41	0.01	0	0	0	100	0.00	0.0	5.447	0.113	0	0	1	1
PL.26613	PL.26766	B	#1/0 ACSR	7.13Y	118.8	0.00	6.19	0.00	0	0	0	100	0.00	0.0	4.682	0.073	0	0	0	0
PL.32636	PL.26613	B	#1/0 ACSR	7.13Y	118.8	0.00	6.19	0.00	0	0	0	100	0.00	0.0	4.776	0.094	0	0	0	0
PL.26266	PL.26608	B	#2 ACSR	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	3.706	0.050	0	0	0	0
PL.27498	PL.26251	C	6 A (CWC)	7.20Y	120.0	0.00	5.03	0.94	1	7	2	96	0.00	0.0	2.747	0.005	0	0	0	2
PD.3666	PL.27498	C	15T	7.20Y	120.0	0.00	5.03	0.94	0	7	2	96	0.00	0.0	2.747	0.005	0	0	0	2
PL.27499	PD.3666	C	6 A (CWC)	7.20Y	120.0	0.00	5.03	0.94	1	7	2	96	0.00	0.0	2.802	0.055	7	2	2	2
PL.26250	PL.26947	C	#2 ACSR	7.21Y	120.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	2.580	0.020	0	0	1	1
PL.27490	PL.27066	B	#1/0 ACSR	7.22Y	120.3	0.00	4.73	0.85	0	6	1	99	0.00	0.0	2.544	0.005	0	0	0	1
PD.3663	PL.27490	B	65T	7.22Y	120.3	0.00	4.73	0.85	0	6	1	99	0.00	0.0	2.544	0.005	0	0	0	1
PL.27491	PD.3663	B	#1/0 ACSR	7.22Y	120.3	0.00	4.73	0.85	0	6	1	99	0.00	0.0	2.570	0.026	0	0	0	1
PL.27051	PL.27491	B	#1/0 ACSR	7.22Y	120.3	0.00	4.73	0.85	0	6	1	99	0.00	0.0	2.614	0.043	0	0	0	1
PL.26597	PL.27051	B	#1/0 ACSR	7.22Y	120.3	0.00	4.73	0.00	0	0	0	100	0.00	0.0	2.679	0.065	0	0	0	0
PL.26249	PL.27051	B	#1/0 ACSR	7.22Y	120.3	0.00	4.73	0.85	0	6	1	99	0.00	0.0	2.644	0.030	6	1	1	1
PL.27492	PL.27063	C	#4 ACSR	7.24Y	120.7	0.00	4.29	4.72	4	33	8	97	0.00	0.0	2.296	0.019	0	0	0	17
PD.3664	PL.27492	C	40T	7.24Y	120.7	0.00	4.29	4.72	0	33	8	97	0.00	0.0	2.296	0.019	0	0	0	17
PL.27493	PD.3664	C	#4 ACSR	7.24Y	120.7	0.01	4.30	4.72	4	33	8	97	0.00	0.0	2.350	0.055	21	5	10	17
PL.27059	PL.27493	C	#4 ACSR	7.24Y	120.7	0.00	4.30	1.69	1	12	3	97	0.00	0.0	2.371	0.021	0	0	0	7
PL.26248	PL.27059	C	#1/0 ACSR	7.24Y	120.7	0.00	4.30	1.03	0	7	2	96	0.00	0.0	2.433	0.062	7	2	3	3
PL.27057	PL.27059	C	#4 ACSR	7.24Y	120.7	0.00	4.30	0.66	1	5	1	98	0.00	0.0	2.432	0.061	4	1	2	4
PL.27058	PL.27057	C	#4 ACSR	7.24Y	120.7	0.00	4.30	0.10	0	1	0	100	0.00	0.0	2.485	0.053	1	0	2	2
PL.27514	PL.27082	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	3.28	2	23	6	97	0.00	0.0	2.194	0.004	0	0	0	5
PD.3675	PL.27514	C	65T	7.25Y	120.9	0.00	4.14	3.28	0	23	6	97	0.00	0.0	2.194	0.004	0	0	0	5
PL.27515	PD.3675	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	3.28	2	23	6	97	0.00	0.0	2.203	0.009	17	4	2	5
PL.27105	PL.27515	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	0.92	1	6	2	95	0.00	0.0	2.273	0.070	3	1	2	3
PL.27064	PL.27105	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	0.42	0	3	1	95	0.00	0.0	2.346	0.073	3	1	1	1
PL.27508	PL.27086	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	2.87	2	20	5	97	0.00	0.0	2.010	0.004	0	0	0	7
PD.3672	PL.27508	A	25T	7.27Y	121.2	0.00	3.82	2.87	0	20	5	97	0.00	0.0	2.010	0.004	0	0	0	7
PL.27509	PD.3672	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	2.87	2	20	5	97	0.00	0.0	2.057	0.047	17	4	3	7

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27089	PL.27509	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	0.44	0	3	1	95	0.00	0.0	2.122	0.065	0	0	2	4
PL.27090	PL.27089	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	0.38	0	3	1	95	0.00	0.0	2.140	0.017	0	0	0	2
PL.26744	PL.27090	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	0.38	0	3	1	95	0.00	0.0	2.249	0.109	3	1	2	2
PL.26235	PL.26946	C	#1/0 ACSR	7.28Y	121.4	0.00	3.64	0.43	0	3	1	95	0.00	0.0	1.937	0.033	3	1	1	1
PL.27784	PL.27092	A	6 A (CWC)	7.29Y	121.4	0.00	3.57	9.11	7	64	16	97	0.00	0.0	1.866	0.004	0	0	0	14
PD.3814	PL.27784	A	65T	7.29Y	121.4	0.00	3.57	9.11	0	64	16	97	0.00	0.0	1.866	0.004	0	0	0	14
PL.27785	PD.3814	A	6 A (CWC)	7.28Y	121.4	0.04	3.61	9.11	7	64	16	97	0.02	0.0	1.961	0.095	0	0	0	14
PL.27093	PL.27785	A	6 A (CWC)	7.28Y	121.4	0.01	3.62	9.11	7	64	16	97	0.01	0.0	1.991	0.030	11	3	3	14
PL.65813	PL.27093	A	6 A (CWC)	7.28Y	121.4	0.00	3.62	7.61	5	54	13	97	0.00	0.0	1.994	0.003	0	0	0	11
PD.9597	PL.65813	A	15T	7.28Y	121.4	0.00	3.62	7.61	0	54	13	97	0.00	0.0	1.994	0.003	0	0	0	11
PL.65814	PD.9597	A	6 A (CWC)	7.28Y	121.4	0.01	3.63	7.61	5	54	13	97	0.01	0.0	2.038	0.044	8	2	3	11
PL.26236	PL.65814	A	6 A (CWC)	7.28Y	121.4	0.01	3.64	3.83	3	27	7	97	0.00	0.0	2.090	0.052	2	1	1	4
PL.26253	PL.26236	A	#4 ACSR	7.28Y	121.4	0.00	3.65	3.54	3	25	6	97	0.00	0.0	2.131	0.041	25	6	3	3
PL.27087	PL.65814	A	6 A (CWC)	7.28Y	121.4	0.00	3.64	2.71	2	19	5	97	0.00	0.0	2.075	0.037	14	3	2	4
PL.27088	PL.27087	A	6 A (CWC)	7.28Y	121.4	0.00	3.64	0.73	1	5	1	98	0.00	0.0	2.125	0.050	5	1	2	2
PL.27478	PL.26592	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.32	0	2	1	89	0.00	0.0	1.622	0.004	0	0	0	1
PD.3657	PL.27478	C	12T	7.31Y	121.9	0.00	3.12	0.32	0	2	1	89	0.00	0.0	1.622	0.004	0	0	0	1
PL.27479	PD.3657	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.32	0	2	1	89	0.00	0.0	1.679	0.057	0	0	0	1
PL.26233	PL.27479	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.32	0	2	1	89	0.00	0.0	1.724	0.046	2	1	1	1
PL.65811	PL.26756	A	#4 ACSR	7.34Y	122.3	0.06	2.72	24.24	19	173	43	97	0.07	0.0	1.421	0.053	0	0	0	28
PD.9596	PL.65811	A	40T	7.34Y	122.3	0.00	2.72	24.24	0	172	43	97	0.00	0.0	1.421	0.053	0	0	0	28
PL.65812	PD.9596	A	#4 ACSR	7.33Y	122.2	0.06	2.78	24.24	19	172	43	97	0.08	0.0	1.476	0.055	0	0	0	28
PL.26227	PL.65812	A	#2 ACSR	7.33Y	122.2	0.00	2.78	1.55	1	11	3	96	0.00	0.0	1.563	0.088	11	3	1	1
PL.26586	PL.65812	A	#1/0 ACSR	7.33Y	122.1	0.08	2.85	22.69	10	161	41	97	0.08	0.1	1.629	0.154	9	2	3	27
PL.26860	PL.26586	A	#1/0 ACSR	7.33Y	122.1	0.06	2.91	20.52	9	146	37	97	0.06	0.0	1.759	0.130	8	2	1	22
PL.26861	PL.26860	A	#1/0 ACSR	7.32Y	122.0	0.05	2.97	19.39	8	138	35	97	0.05	0.0	1.884	0.125	17	4	2	21
PL.26587	PL.26861	A	#1/0 ACSR	7.32Y	122.0	0.04	3.00	15.02	7	107	27	97	0.03	0.0	1.996	0.112	0	0	0	18
PL.26230	PL.26587	A	#1/0 ACSR	7.32Y	122.0	0.00	3.00	0.75	0	5	1	98	0.00	0.0	2.050	0.054	5	1	1	1
PL.26589	PL.26587	A	#1/0 ACSR	7.32Y	122.0	0.04	3.05	14.27	6	101	25	97	0.03	0.0	2.125	0.130	0	0	0	17
PL.26757	PL.26589	A	#1/0 ACSR	7.32Y	121.9	0.03	3.08	14.27	6	101	25	97	0.02	0.0	2.225	0.100	0	0	0	17
PL.26231	PL.26757	A	#1/0 ACSR	7.32Y	121.9	0.00	3.08	1.65	1	12	3	97	0.00	0.0	2.259	0.034	12	3	1	1

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.26871	PL.26757	A	#1/0 ACSR	7.32Y	121.9	0.01	3.08	1.41	1	10	2	98	0.00	0.0	2.387	0.162	0	0	1	2
PL.26872	PL.26871	A	#1/0 ACSR	7.31Y	121.9	0.00	3.08	1.41	1	10	2	98	0.00	0.0	2.481	0.095	10	2	1	1
PL.26869	PL.26757	A	#1/0 ACSR	7.31Y	121.9	0.01	3.09	2.74	1	19	5	97	0.00	0.0	2.359	0.134	0	0	1	4
PL.26870	PL.26869	A	#1/0 ACSR	7.31Y	121.9	0.01	3.09	2.74	1	19	5	97	0.00	0.0	2.443	0.084	0	0	0	3
PL.26590	PL.26870	A	#1/0 ACSR	7.31Y	121.9	0.00	3.09	1.46	1	10	3	96	0.00	0.0	2.509	0.066	0	0	0	1
PL.26232	PL.26590	A	#1/0 ACSR	7.31Y	121.9	0.00	3.09	1.46	1	10	3	96	0.00	0.0	2.554	0.045	10	3	1	1
PL.27548	PL.26870	A	#1/0 ACSR	7.31Y	121.9	0.00	3.09	1.28	1	9	2	98	0.00	0.0	2.447	0.005	0	0	0	2
PD.3691	PL.27548	A	40T	7.31Y	121.9	0.00	3.09	1.28	0	9	2	98	0.00	0.0	2.447	0.005	0	0	0	2
PL.27549	PD.3691	A	#1/0 ACSR	7.31Y	121.9	0.00	3.09	1.28	1	9	2	98	0.00	0.0	2.609	0.162	9	2	2	2
PL.26867	PL.26757	A	#1/0 ACSR	7.31Y	121.9	0.01	3.09	8.47	4	60	15	97	0.01	0.0	2.296	0.071	4	1	1	10
PL.26868	PL.26867	A	#1/0 ACSR	7.31Y	121.9	0.01	3.10	7.95	3	56	14	97	0.00	0.0	2.351	0.055	7	2	1	9
PL.26866	PL.26868	A	#1/0 ACSR	7.31Y	121.9	0.01	3.11	6.92	3	49	12	97	0.00	0.0	2.432	0.081	12	3	2	8
PL.26873	PL.26866	A	#1/0 ACSR	7.31Y	121.9	0.01	3.12	5.29	2	38	9	97	0.00	0.0	2.538	0.106	5	1	1	6
PL.26874	PL.26873	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	4.60	2	33	8	97	0.00	0.0	2.559	0.021	6	2	1	5
PL.26857	PL.26874	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	3.75	2	27	7	97	0.00	0.0	2.606	0.047	6	1	1	4
PL.26858	PL.26857	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	2.91	1	21	5	97	0.00	0.0	2.637	0.031	4	1	1	3
PL.26859	PL.26858	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	2.30	1	16	4	97	0.00	0.0	2.683	0.045	7	2	1	2
PL.26856	PL.26859	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	1.38	1	10	2	98	0.00	0.0	2.697	0.014	10	2	1	1
PL.26228	PL.26861	A	#1/0 ACSR	7.32Y	122.0	0.00	2.97	2.04	1	14	4	96	0.00	0.0	1.948	0.064	0	0	0	1
PL.26229	PL.26228	A	6 A (CWC)	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	2.024	0.076	0	0	0	0
PL.26588	PL.26228	A	#1/0 ACSR	7.32Y	122.0	0.00	2.97	2.04	1	14	4	96	0.00	0.0	2.011	0.063	14	4	1	1
PL.26862	PL.26586	A	#2 ACSR	7.33Y	122.1	0.00	2.86	0.95	1	7	2	96	0.00	0.0	1.647	0.017	0	0	1	2
PL.26863	PL.26862	A	#2 ACSR	7.33Y	122.1	0.00	2.86	0.94	1	7	2	96	0.00	0.0	1.750	0.103	7	2	1	1
PL.26742	PL.26752	B	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.005	0.009	0	0	0	1
PL.27546	PL.26742	B	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.010	0.005	0	0	0	1
PD.3690	PL.27546	B	40T	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.010	0.005	0	0	0	1
PL.27547	PD.3690	B	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.175	0.166	0	0	0	1
PL.26753	PL.27547	B	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.276	0.101	0	0	0	1
PL.26754	PL.26753	B	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.378	0.102	0	0	0	1
PL.26226	PL.26754	B	#1/0 ACSR	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.468	0.090	0	0	1	1
PL.25701	Rice Station	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	185.86	36	3906	1493	93	0.21	0.0	0.007	0.007	0	0	0	743

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.33028	PL.25701	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	185.86	36	3906	1493	93	0.04	0.0	0.009	0.002	0	0	0	743
----- Feeder No. 1 (Sand Hill F1) Beginning with Device PD.4871 -----																				
PD.4871	PL.33028	ABC	380VWE	7.50Y	125.0	0.00	0.01	185.86	0	3906	1493	93	0.00	0.0	0.009	0.002	0	0	0	743
PL.33029	PD.4871	ABC	336 MCM AC	7.49Y	124.9	0.10	0.11	185.86	36	3906	1493	93	1.89	0.0	0.074	0.065	2	1	1	743
PL.25491	PL.33029	ABC	336 MCM AC	7.48Y	124.7	0.19	0.31	185.76	36	3902	1488	93	3.66	0.1	0.199	0.126	0	0	0	742
PL.25489	PL.25491	ABC	336 MCM AC	7.47Y	124.5	0.17	0.47	185.76	36	3898	1479	93	3.16	0.1	0.308	0.109	3	1	1	742
PL.25490	PL.25489	ABC	336 MCM AC	7.47Y	124.5	0.06	0.53	185.61	36	3892	1471	94	1.11	0.0	0.347	0.038	6	1	1	741
PL.25205	PL.25490	ABC	336 MCM AC	7.46Y	124.3	0.16	0.70	184.64	36	3869	1463	94	3.09	0.1	0.454	0.108	0	0	0	737
PL.24702	PL.25205	ABC	336 MCM AC	7.45Y	124.1	0.20	0.89	184.64	36	3866	1456	94	3.74	0.1	0.584	0.130	0	0	0	737
PL.25010	PL.24702	ABC	336 MCM AC	7.44Y	124.0	0.13	1.02	184.64	36	3862	1447	94	2.45	0.1	0.670	0.085	0	0	0	737
PL.25613	PL.25010	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.05	0	0	0	100	0.00	0.0	0.674	0.005	0	0	0	1
PD.3587	PL.25613	A	65T	7.44Y	124.0	0.00	1.02	0.05	0	0	0	100	0.00	0.0	0.674	0.005	0	0	0	1
PL.25614	PD.3587	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.05	0	0	0	100	0.00	0.0	0.703	0.028	0	0	1	1
PL.25486	PL.25010	ABC	336 MCM AC	7.44Y	123.9	0.06	1.08	184.62	36	3860	1441	94	1.09	0.0	0.708	0.038	18	5	4	736
PL.25487	PL.25486	ABC	336 MCM AC	7.43Y	123.9	0.06	1.14	183.79	35	3840	1434	94	1.16	0.0	0.749	0.041	0	0	0	732
PL.25484	PL.25487	ABC	336 MCM AC	7.43Y	123.8	0.05	1.19	183.79	35	3839	1432	94	0.96	0.0	0.782	0.034	11	3	3	732
PL.25485	PL.25484	ABC	336 MCM AC	7.42Y	123.7	0.09	1.28	183.29	35	3827	1427	94	1.72	0.0	0.843	0.061	0	0	0	729
PL.25298	PL.25485	ABC	336 MCM AC	7.42Y	123.7	0.03	1.31	183.29	35	3826	1423	94	0.56	0.0	0.863	0.020	0	0	1	729
PL.25482	PL.25298	ABC	336 MCM AC	7.41Y	123.5	0.17	1.48	183.00	35	3819	1420	94	3.20	0.1	0.977	0.114	11	3	2	727
PL.25483	PL.25482	ABC	336 MCM AC	7.41Y	123.5	0.04	1.52	182.50	35	3805	1410	94	0.74	0.0	1.003	0.026	4	1	1	725
PL.25011	PL.25483	ABC	336 MCM AC	7.41Y	123.4	0.05	1.57	182.31	35	3800	1407	94	0.88	0.0	1.034	0.031	6	2	1	724
PL.25609	PL.25011	C	#4 ACSR	7.41Y	123.4	0.00	1.57	0.40	0	3	1	95	0.00	0.0	1.039	0.005	0	0	0	1
PD.3585	PL.25609	C	65T	7.41Y	123.4	0.00	1.57	0.40	0	3	1	95	0.00	0.0	1.039	0.005	0	0	0	1
PL.25610	PD.3585	C	#4 ACSR	7.41Y	123.4	0.00	1.57	0.40	0	3	1	95	0.00	0.0	1.078	0.039	3	1	1	1
PL.25480	PL.25011	ABC	336 MCM AC	7.40Y	123.4	0.05	1.62	181.88	35	3790	1403	94	1.02	0.0	1.071	0.037	15	4	2	722
PL.25481	PL.25480	ABC	336 MCM AC	7.40Y	123.3	0.11	1.74	181.20	35	3774	1396	94	2.13	0.1	1.148	0.077	8	2	4	720
PL.25605	PL.25481	ABC	336 MCM AC	7.39Y	123.1	0.15	1.88	180.01	35	3746	1385	94	2.71	0.1	1.248	0.099	0	0	0	715
PL.25606	PL.25605	ABC	336 MCM AC	7.39Y	123.1	0.01	1.89	180.01	35	3743	1379	94	0.12	0.0	1.252	0.004	7	2	1	715
PL.25478	PL.25606	ABC	336 MCM AC	7.38Y	123.0	0.11	2.00	179.67	35	3736	1377	94	1.99	0.1	1.325	0.073	8	2	1	713

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25479	PL.25478	ABC	336 MCM AC	7.37Y	122.9	0.09	2.08	179.32	35	3726	1370	94	1.59	0.0	1.384	0.059	0	0	0	712
PL.25601	PL.25479	C	6 A (CWC)	7.37Y	122.9	0.00	2.08	0.74	1	5	1	98	0.00	0.0	1.388	0.005	0	0	0	1
PD.3582	PL.25601	C	65T	7.37Y	122.9	0.00	2.08	0.74	0	5	1	98	0.00	0.0	1.388	0.005	0	0	0	1
PL.25602	PD.3582	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.74	1	5	1	98	0.00	0.0	1.488	0.099	0	0	0	1
PL.25107	PL.25602	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.74	1	5	1	98	0.00	0.0	1.661	0.173	5	1	1	1
PL.25597	PL.25479	ABC	336 MCM AC	7.37Y	122.8	0.14	2.23	179.08	35	3719	1365	94	2.61	0.1	1.481	0.097	0	0	0	711
PL.25598	PL.25597	ABC	336 MCM AC	7.37Y	122.8	0.01	2.23	179.08	35	3717	1359	94	0.12	0.0	1.485	0.005	0	0	0	711
PL.25599	PL.25598	A	#1/0 ACSR	7.37Y	122.8	0.00	2.23	0.71	0	5	1	98	0.00	0.0	1.490	0.005	0	0	0	2
PD.3581	PL.25599	A	65T	7.37Y	122.8	0.00	2.23	0.71	0	5	1	98	0.00	0.0	1.490	0.005	0	0	0	2
PL.25600	PD.3581	A	#1/0 ACSR	7.37Y	122.8	0.00	2.23	0.71	0	5	1	98	0.00	0.0	1.659	0.169	3	1	1	2
PL.25471	PL.25600	A	#1/0 ACSR	7.37Y	122.8	0.00	2.23	0.24	0	2	0	100	0.00	0.0	1.704	0.045	2	0	1	1
PL.25472	PL.25598	ABC	336 MCM AC	7.36Y	122.7	0.03	2.26	178.84	34	3712	1357	94	0.48	0.0	1.503	0.018	8	2	2	709
PL.25473	PL.25472	ABC	336 MCM AC	7.36Y	122.6	0.15	2.41	178.46	34	3703	1354	94	2.72	0.1	1.605	0.101	0	0	0	707
PL.25108	PL.25473	C	#4 ACSR	7.36Y	122.6	0.00	2.41	4.93	4	35	9	97	0.00	0.0	1.609	0.005	0	0	0	7
PD.3580	PL.25108	C	65T	7.36Y	122.6	0.00	2.41	4.93	0	35	9	97	0.00	0.0	1.609	0.005	0	0	0	7
PL.25109	PD.3580	C	#4 ACSR	7.36Y	122.6	0.00	2.41	0.46	0	3	1	95	0.00	0.0	1.709	0.100	3	1	1	1
PL.25292	PD.3580	C	6 A (CWC)	7.36Y	122.6	0.01	2.41	2.27	2	16	4	97	0.00	0.0	1.694	0.085	10	2	2	3
PL.25468	PL.25292	C	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.92	1	7	2	96	0.00	0.0	1.738	0.044	7	2	1	1
PL.25206	PD.3580	C	#4 ACSR	7.36Y	122.6	0.00	2.41	2.19	2	16	4	97	0.00	0.0	1.674	0.065	16	4	3	3
PL.25469	PL.25473	ABC	336 MCM AC	7.35Y	122.5	0.14	2.55	176.82	34	3665	1339	94	2.58	0.1	1.703	0.098	5	1	2	700
PL.25470	PL.25469	ABC	336 MCM AC	7.34Y	122.3	0.14	2.69	176.59	34	3657	1332	94	2.57	0.1	1.801	0.098	19	5	3	698
PL.25461	PL.25470	ABC	336 MCM AC	7.34Y	122.3	0.05	2.74	175.71	34	3636	1321	94	0.97	0.0	1.838	0.037	7	2	1	695
PL.25459	PL.25461	ABC	336 MCM AC	7.33Y	122.2	0.08	2.82	175.37	34	3628	1317	94	1.43	0.0	1.893	0.055	0	0	0	694
PL.25110	PL.25459	ABC	336 MCM AC	7.33Y	122.2	0.01	2.83	175.37	34	3626	1314	94	0.25	0.0	1.903	0.010	8	2	1	694
PL.25460	PL.25110	B	6 A (CWC)	7.33Y	122.2	0.01	2.84	2.66	2	19	5	97	0.00	0.0	1.968	0.065	0	0	1	6
PL.25619	PL.25460	B	6 A (CWC)	7.33Y	122.2	0.00	2.84	2.66	2	19	5	97	0.00	0.0	1.973	0.005	0	0	0	5
PD.3590	PL.25619	B	65T	7.33Y	122.2	0.00	2.84	2.66	0	19	5	97	0.00	0.0	1.973	0.005	0	0	0	5
PL.25620	PD.3590	B	6 A (CWC)	7.33Y	122.2	0.01	2.85	2.66	2	19	5	97	0.00	0.0	2.038	0.065	0	0	0	5
PL.25474	PL.25620	B	6 A (CWC)	7.33Y	122.1	0.02	2.87	2.66	2	19	5	97	0.00	0.0	2.217	0.179	3	1	1	5
PL.25475	PL.25474	B	6 A (CWC)	7.33Y	122.1	0.01	2.87	2.27	2	16	4	97	0.00	0.0	2.278	0.061	2	0	1	4
PL.25476	PL.25475	B	#4 ACSR	7.33Y	122.1	0.01	2.88	1.99	2	14	4	96	0.00	0.0	2.415	0.137	9	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25477	PL.25476	B	#4 ACSR	7.33Y	122.1	0.00	2.88	0.74	1	5	1	98	0.00	0.0	2.506	0.091	5	1	1	1
PL.25111	PL.25110	ABC	336 MCM AC	7.32Y	122.1	0.09	2.93	173.65	33	3589	1304	94	1.70	0.0	1.970	0.067	8	2	2	685
PL.25207	PL.25111	ABC	336 MCM AC	7.32Y	122.0	0.06	2.99	172.58	33	3564	1294	94	1.12	0.0	2.015	0.045	0	0	0	679
PL.25595	PL.25207	C	#4 ACSR	7.32Y	122.0	0.00	2.99	2.17	2	15	4	97	0.00	0.0	2.019	0.005	0	0	0	2
PD.3579	PL.25595	C	65T	7.32Y	122.0	0.00	2.99	2.17	0	15	4	97	0.00	0.0	2.019	0.005	0	0	0	2
PL.25596	PD.3579	C	#4 ACSR	7.32Y	122.0	0.00	2.99	2.17	2	15	4	97	0.00	0.0	2.051	0.032	15	4	2	2
PL.25208	PL.25207	ABC	336 MCM AC	7.32Y	122.0	0.03	3.02	171.86	33	3548	1288	94	0.51	0.0	2.035	0.020	0	0	0	677
PL.25457	PL.25208	ABC	336 MCM AC	7.31Y	121.9	0.08	3.10	169.53	33	3497	1274	94	1.36	0.0	2.091	0.056	6	1	3	666
PL.25458	PL.25457	ABC	336 MCM AC	7.31Y	121.9	0.05	3.15	169.25	33	3490	1269	94	0.87	0.0	2.127	0.036	0	0	0	663
PL.25587	PL.25458	A	#4 ACSR	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	2.151	0.024	0	0	0	0
PD.3575	PL.25587	A	65T	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	2.151	0.024	0	0	0	0
PL.25588	PD.3575	A	#4 ACSR	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	2.171	0.020	0	0	0	0
PL.25209	PL.25458	ABC	336 MCM AC	7.31Y	121.8	0.02	3.17	169.25	33	3489	1267	94	0.36	0.0	2.142	0.015	19	5	5	663
PL.25210	PL.25209	ABC	336 MCM AC	7.30Y	121.7	0.11	3.27	161.39	31	3321	1225	94	1.78	0.1	2.224	0.081	8	2	1	633
PL.25211	PL.25210	ABC	336 MCM AC	7.30Y	121.6	0.10	3.37	160.07	31	3291	1213	94	1.61	0.0	2.299	0.075	7	2	2	629
PL.25200	PL.25211	ABC	336 MCM AC	7.29Y	121.6	0.06	3.43	159.74	31	3282	1208	94	1.05	0.0	2.347	0.049	6	2	1	627
PL.25212	PL.25200	ABC	336 MCM AC	7.29Y	121.5	0.03	3.47	159.31	31	3272	1203	94	0.56	0.0	2.374	0.026	5	1	1	625
PL.25201	PL.25212	ABC	336 MCM AC	7.29Y	121.5	0.06	3.53	159.07	31	3266	1200	94	0.94	0.0	2.418	0.044	0	0	0	624
PL.25579	PL.25201	A	6 A (CWC)	7.29Y	121.5	0.00	3.53	2.56	2	18	5	96	0.00	0.0	2.423	0.005	0	0	0	2
PD.3571	PL.25579	A	65T	7.29Y	121.5	0.00	3.53	2.56	0	18	5	96	0.00	0.0	2.423	0.005	0	0	0	2
PL.25580	PD.3571	A	6 A (CWC)	7.29Y	121.5	0.01	3.53	2.56	2	18	5	96	0.00	0.0	2.516	0.093	18	5	2	2
PL.25679	PL.25201	ABC	336 MCM AC	7.29Y	121.4	0.06	3.58	158.22	30	3247	1194	94	0.92	0.0	2.462	0.044	0	0	0	622
PD.3620-A	PL.25679	ABC	Closed	7.29Y	121.4	0.00	3.58	158.22	0	3246	1192	94	0.00	0.0	2.462	0.044	0	0	0	622
PD.3620-B	PD.3620-A	ABC	Closed	7.29Y	121.4	0.00	3.58	158.22	0	3246	1192	94	0.00	0.0	2.462	0.044	0	0	0	622
PL.25680	PD.3620-B	ABC	336 MCM AC	7.28Y	121.4	0.01	3.59	158.22	30	3246	1192	94	0.10	0.0	2.467	0.005	0	0	0	622
PL.25204	PL.25680	ABC	#3/0 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	2.471	0.005	0	0	0	0
PD.3618-B	PL.25204	ABC	Open	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	2.471	0.005	0	0	0	0
PL.25677	PL.25680	ABC	#3/0 ACSR	7.28Y	121.4	0.01	3.60	157.60	53	3233	1188	94	0.21	0.0	2.472	0.005	0	0	0	620
PD.3619-A	PL.25677	ABC	Closed	7.28Y	121.4	0.00	3.60	157.60	0	3233	1188	94	0.00	0.0	2.472	0.005	0	0	0	620
PD.3619-B	PD.3619-A	ABC	Closed	7.28Y	121.4	0.00	3.60	157.60	0	3233	1188	94	0.00	0.0	2.472	0.005	0	0	0	620
PL.25678	PD.3619-B	ABC	#3/0 ACSR	7.28Y	121.3	0.07	3.67	157.60	53	3233	1188	94	1.36	0.0	2.504	0.033	6	2	1	620

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25445	PL.25678	ABC	#3/0 ACSR	7.27Y	121.2	0.10	3.76	157.29	52	3225	1184	94	1.87	0.1	2.549	0.045	20	5	4	619
PL.25213	PL.25445	ABC	#3/0 ACSR	7.26Y	121.1	0.18	3.94	156.34	52	3203	1176	94	3.43	0.1	2.633	0.084	4	1	1	615
PL.25573	PL.25213	A	#4 ACSR	7.26Y	121.1	0.00	3.94	1.11	1	8	2	97	0.00	0.0	2.656	0.023	0	0	0	1
PD.3568	PL.25573	A	65T	7.26Y	121.1	0.00	3.94	1.11	0	8	2	97	0.00	0.0	2.656	0.023	0	0	0	1
PL.25574	PD.3568	A	#4 ACSR	7.26Y	121.1	0.00	3.94	1.11	1	8	2	97	0.00	0.0	2.740	0.084	8	2	1	1
PL.25121	PL.25213	ABC	#3/0 ACSR	7.26Y	121.0	0.11	4.05	155.78	52	3187	1168	94	2.09	0.1	2.684	0.051	0	0	0	613
PL.25571	PL.25121	C	6 A (CWC)	7.26Y	121.0	0.00	4.05	1.77	1	12	3	97	0.00	0.0	2.689	0.005	0	0	0	3
PD.3567	PL.25571	C	65T	7.26Y	121.0	0.00	4.05	1.77	0	12	3	97	0.00	0.0	2.689	0.005	0	0	0	3
PL.25572	PD.3567	C	6 A (CWC)	7.26Y	120.9	0.01	4.05	1.77	1	12	3	97	0.00	0.0	2.787	0.098	0	0	0	3
PL.25122	PL.25572	C	#4 ACSR	7.26Y	120.9	0.00	4.05	0.56	0	4	1	97	0.00	0.0	2.827	0.040	4	1	1	1
PL.25123	PL.25572	C	6 A (CWC)	7.26Y	120.9	0.00	4.06	1.22	1	9	2	98	0.00	0.0	2.875	0.089	9	2	2	2
PL.25120	PL.25121	ABC	#3/0 ACSR	7.24Y	120.6	0.35	4.39	153.62	51	3139	1154	94	6.69	0.2	2.853	0.169	0	0	0	597
PL.24705	PL.25120	ABC	#3/0 ACSR	7.22Y	120.4	0.22	4.62	153.62	51	3132	1144	94	4.33	0.1	2.962	0.109	0	0	0	597
PL.24707	PL.24705	ABC	#3/0 ACSR	7.19Y	119.9	0.51	5.13	153.62	51	3128	1138	94	9.85	0.3	3.211	0.249	0	0	0	597
PL.24706	PL.24707	ABC	#3/0 ACSR	7.18Y	119.6	0.22	5.35	153.62	51	3118	1124	94	4.33	0.1	3.320	0.109	0	0	0	597
PL.24708	PL.24706	ABC	#3/0 ACSR	7.16Y	119.3	0.33	5.69	153.62	51	3114	1117	94	6.46	0.2	3.483	0.163	0	0	0	597
PL.24709	PL.24708	ABC	#3/0 ACSR	7.15Y	119.1	0.23	5.92	153.62	51	3107	1108	94	4.39	0.1	3.593	0.111	0	0	0	597
PL.25132	PL.24709	ABC	#3/0 ACSR	7.13Y	118.8	0.29	6.21	153.62	51	3103	1102	94	5.65	0.2	3.736	0.142	0	0	0	597
PL.25681	PL.25132	ABC	#3/0 ACSR	7.11Y	118.4	0.35	6.56	153.62	51	3097	1093	94	6.79	0.2	3.907	0.171	0	0	0	597
PD.3621-A	PL.25681	ABC	Closed	7.11Y	118.4	0.00	6.56	153.62	0	3091	1084	94	0.00	0.0	3.907	0.171	0	0	0	597
PD.3621-B	PD.3621-A	ABC	Closed	7.11Y	118.4	0.00	6.56	153.62	0	3091	1084	94	0.00	0.0	3.907	0.171	0	0	0	597
PL.25682	PD.3621-B	ABC	#3/0 ACSR	7.09Y	118.2	0.20	6.76	153.62	51	3091	1084	94	3.93	0.1	4.006	0.099	0	0	0	597
REG80	PL.25682	ABC	250kva	7.52Y	125.3	-7.05	-0.29	153.62	47	3087	1078	94	percent Boost= 5.62			Tap= 9.0				597
PL.25427	REG80	ABC	#3/0 ACSR	7.51Y	125.1	0.16	-0.13	144.98	48	3087	1078	94	2.92	0.1	4.089	0.083	0	0	0	597
PL.25286	PL.25427	ABC	#3/0 ACSR	7.50Y	125.1	0.08	-0.05	130.04	43	2779	926	95	1.29	0.0	4.134	0.046	0	0	0	596
PL.25663	PL.25286	ABC	#4 ACSR	7.50Y	125.1	0.00	-0.05	0.68	1	14	7	89	0.00	0.0	4.139	0.005	0	0	0	1
PD.3612	PL.25663	ABC	65T	7.50Y	125.1	0.00	-0.05	0.68	0	14	7	89	0.00	0.0	4.139	0.005	0	0	0	1
PL.25664	PD.3612	ABC	#4 ACSR	7.50Y	125.1	0.00	-0.05	0.68	1	14	7	89	0.00	0.0	4.153	0.014	14	7	1	1
PL.25287	PL.25286	ABC	#3/0 ACSR	7.49Y	124.8	0.22	0.17	129.37	43	2764	917	95	3.61	0.1	4.263	0.128	0	0	0	595
PL.25215	PL.25287	ABC	#3/0 ACSR	7.49Y	124.8	0.07	0.24	129.37	43	2760	912	95	1.22	0.0	4.306	0.044	2	1	1	595
PL.25133	PL.25215	ABC	#3/0 ACSR	7.49Y	124.8	0.00	0.24	129.26	43	2757	910	95	0.04	0.0	4.308	0.001	0	0	0	594

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25425	PL.25133	ABC	#3/0 ACSR	7.48Y	124.6	0.15	0.39	128.88	43	2749	906	95	2.44	0.1	4.395	0.087	0	0	0	593
PL.25426	PL.25425	ABC	#3/0 ACSR	7.47Y	124.5	0.10	0.49	128.88	43	2746	902	95	1.65	0.1	4.454	0.059	0	0	0	593
PL.24729	PL.25426	A	#2 ACSR	7.47Y	124.5	0.00	0.49	1.39	1	10	3	96	0.00	0.0	4.459	0.005	0	0	0	5
PD.3563	PL.24729	A	65T	7.47Y	124.5	0.00	0.49	1.39	0	10	3	96	0.00	0.0	4.459	0.005	0	0	0	5
PL.24730	PD.3563	A	#2 ACSR	7.47Y	124.5	0.00	0.49	1.39	1	10	3	96	0.00	0.0	4.512	0.053	0	0	0	5
PL.25073	PL.24730	A	#1/0 ACSR	7.47Y	124.5	0.00	0.49	0.67	0	5	1	98	0.00	0.0	4.521	0.010	5	1	3	3
PL.25072	PL.24730	A	#4 ACSR	7.47Y	124.5	0.00	0.49	0.72	1	5	1	98	0.00	0.0	4.552	0.041	5	1	2	2
PL.25216	PL.25426	ABC	#3/0 ACSR	7.47Y	124.5	0.06	0.55	128.42	43	2735	897	95	0.99	0.0	4.490	0.036	4	1	1	588
PL.25217	PL.25216	ABC	#3/0 ACSR	7.46Y	124.4	0.09	0.64	124.88	42	2656	877	95	1.50	0.1	4.547	0.057	0	0	0	571
PL.24725	PL.25217	A	#1/0 ACSR	7.46Y	124.4	0.00	0.64	7.08	3	51	13	97	0.00	0.0	4.552	0.005	0	0	0	20
PD.3561	PL.24725	A	65T	7.46Y	124.4	0.00	0.64	7.08	0	51	13	97	0.00	0.0	4.552	0.005	0	0	0	20
PL.24726	PD.3561	A	#1/0 ACSR	7.46Y	124.4	0.00	0.65	7.08	3	51	13	97	0.00	0.0	4.569	0.017	5	1	2	20
PL.25417	PL.24726	A	#1/0 ACSR	7.46Y	124.4	0.00	0.65	6.42	3	46	12	97	0.00	0.0	4.588	0.020	20	5	6	18
PL.25416	PL.25417	A	#1/0 ACSR	7.46Y	124.3	0.00	0.65	3.73	2	27	7	97	0.00	0.0	4.624	0.036	19	5	6	12
PL.25409	PL.25416	A	#1/0 ACSR	7.46Y	124.3	0.00	0.65	1.08	0	8	2	97	0.00	0.0	4.649	0.025	8	2	6	6
PL.24723	PL.25217	ABC	#3/0 ACSR	7.46Y	124.3	0.01	0.65	122.53	41	2604	862	95	0.12	0.0	4.552	0.005	0	0	0	551
PL.24724	PL.24723	ABC	#3/0 ACSR	7.45Y	124.2	0.16	0.81	122.53	41	2604	862	95	2.49	0.1	4.651	0.099	8	2	3	551
PL.25220	PL.24724	ABC	#3/0 ACSR	7.45Y	124.2	0.03	0.84	58.38	19	1206	499	92	0.22	0.0	4.689	0.038	0	0	0	94
PL.25683	PL.25220	ABC	#3/0 ACSR	7.45Y	124.1	0.02	0.86	57.22	19	1180	492	92	0.17	0.0	4.719	0.031	0	0	0	84
PD.3622-A	PL.25683	ABC	Closed	7.45Y	124.1	0.00	0.86	57.22	0	1180	492	92	0.00	0.0	4.719	0.031	0	0	0	84
PD.3622-B	PD.3622-A	ABC	Closed	7.45Y	124.1	0.00	0.86	57.22	0	1180	492	92	0.00	0.0	4.719	0.031	0	0	0	84
PL.25684	PD.3622-B	ABC	#3/0 ACSR	7.44Y	124.1	0.05	0.92	57.22	19	1180	492	92	0.37	0.0	4.787	0.068	0	0	0	84
PL.25222	PL.25684	ABC	#3/0 ACSR	7.44Y	124.0	0.03	0.95	56.20	19	1159	482	92	0.23	0.0	4.830	0.043	0	0	0	82
PL.25569	PL.25222	C	#2 ACSR	7.44Y	124.0	0.00	0.95	0.00	0	0	0	100	0.00	0.0	4.834	0.005	0	0	0	0
PD.3558	PL.25569	C	65T	7.44Y	124.0	0.00	0.95	0.00	0	0	0	100	0.00	0.0	4.834	0.005	0	0	0	0
PL.24722	PD.3558	C	#2 ACSR	7.44Y	124.0	0.00	0.95	0.00	0	0	0	100	0.00	0.0	4.858	0.024	0	0	0	0
PL.25408	PL.24722	C	#2 ACSR	7.44Y	124.0	0.00	0.95	0.00	0	0	0	100	0.00	0.0	4.883	0.025	0	0	0	0
PL.25223	PL.25222	ABC	#3/0 ACSR	7.44Y	123.9	0.13	1.08	56.20	19	1159	482	92	0.86	0.1	4.992	0.162	0	0	0	82
PL.25565	PL.25223	C	#1/0 ACSR	7.44Y	123.9	0.00	1.08	0.27	0	2	0	100	0.00	0.0	4.997	0.005	0	0	0	2
PD.3556	PL.25565	C	65T	7.44Y	123.9	0.00	1.08	0.27	0	2	0	100	0.00	0.0	4.997	0.005	0	0	0	2
PL.25566	PD.3556	C	#1/0 ACSR	7.44Y	123.9	0.00	1.08	0.27	0	2	0	100	0.00	0.0	5.032	0.036	2	0	2	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25284	PL.25223	ABC	#3/0 ACSR	7.43Y	123.8	0.08	1.16	56.11	19	1156	480	92	0.57	0.0	5.100	0.108	0	0	0	80
PL.25559	PL.25284	A	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.18	0	1	0	100	0.00	0.0	5.104	0.005	0	0	0	1
PD.3553	PL.25559	A	65T	7.43Y	123.8	0.00	1.16	0.18	0	1	0	100	0.00	0.0	5.104	0.005	0	0	0	1
PL.25560	PD.3553	A	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.18	0	1	0	100	0.00	0.0	5.110	0.006	1	0	1	1
PL.25285	PL.25284	ABC	#3/0 ACSR	7.43Y	123.8	0.05	1.21	56.05	19	1154	479	92	0.33	0.0	5.162	0.062	0	0	0	79
PL.25403	PL.25285	ABC	336 MCM AC	7.43Y	123.8	0.03	1.24	56.05	11	1154	479	92	0.16	0.0	5.221	0.059	3	1	2	79
PL.25404	PL.25403	ABC	336 MCM AC	7.43Y	123.8	0.01	1.24	55.91	11	1150	477	92	0.03	0.0	5.232	0.011	0	0	0	77
PL.25131	PL.25404	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.25	23.11	10	467	216	91	0.02	0.0	5.244	0.012	0	0	0	7
PL.25401	PL.25131	ABC	#2 ACSR	7.42Y	123.7	0.05	1.30	23.11	13	467	216	91	0.18	0.0	5.327	0.083	0	0	1	7
PL.25402	PL.25401	ABC	#2 ACSR	7.42Y	123.7	0.05	1.35	23.09	13	467	216	91	0.19	0.0	5.415	0.088	0	0	0	6
PL.25557	PL.25402	A	#2 ACSR	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	5.419	0.005	0	0	0	0
PD.3552	PL.25557	A	65T	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	5.419	0.005	0	0	0	0
PL.25558	PD.3552	A	#2 ACSR	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	5.434	0.015	0	0	0	0
PL.25130	PL.25558	A	#2 ACSR	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	5.476	0.042	0	0	0	0
PL.25555	PL.25402	ABC	#2 ACSR	7.42Y	123.6	0.00	1.35	23.09	13	467	215	91	0.01	0.0	5.419	0.005	0	0	0	6
PL.25556	PL.25555	ABC	#2 ACSR	7.42Y	123.6	0.02	1.37	23.09	13	467	215	91	0.07	0.0	5.452	0.033	25	6	1	6
PL.25129	PL.25556	ABC	#2 ACSR	7.42Y	123.6	0.03	1.40	21.96	13	442	209	90	0.11	0.0	5.508	0.055	0	0	1	5
PL.25671	PL.25129	ABC	1/0 AL URD	7.42Y	123.6	0.00	1.41	21.07	12	422	204	90	0.01	0.0	5.512	0.005	0	0	0	1
PD.3615	PL.25671	ABC	65T	7.42Y	123.6	0.00	1.41	21.07	0	422	204	90	0.00	0.0	5.512	0.005	0	0	0	1
PL.25672	PD.3615	ABC	1/0 AL URD	7.42Y	123.6	0.00	1.41	21.07	12	422	204	90	0.00	0.0	5.522	0.010	422	204	1	1
PL.25669	PL.25129	ABC	#2 ACSR	7.42Y	123.6	0.00	1.40	0.91	1	20	5	97	0.00	0.0	5.512	0.005	0	0	0	3
PL.25670	PL.25669	ABC	#2 ACSR	7.42Y	123.6	0.00	1.40	0.91	1	20	5	97	0.00	0.0	5.555	0.042	0	0	0	3
PL.25561	PL.25670	A	#2 ACSR	7.42Y	123.6	0.00	1.40	2.74	2	20	5	97	0.00	0.0	5.559	0.005	0	0	0	3
PD.3554	PL.25561	A	65T	7.42Y	123.6	0.00	1.40	2.74	0	20	5	97	0.00	0.0	5.559	0.005	0	0	0	3
PL.25562	PD.3554	A	#2 ACSR	7.42Y	123.6	0.00	1.41	2.74	2	20	5	97	0.00	0.0	5.602	0.043	20	5	2	3
PL.25405	PL.25562	A	#2 ACSR	7.42Y	123.6	0.00	1.41	0.03	0	0	0	100	0.00	0.0	5.697	0.095	0	0	0	1
PL.24712	PL.25405	A	#2 ACSR	7.42Y	123.6	0.00	1.41	0.03	0	0	0	100	0.00	0.0	5.812	0.115	0	0	1	1
PL.25399	PL.25404	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.26	32.84	14	683	262	93	0.09	0.0	5.262	0.030	6	1	1	70
PL.25400	PL.25399	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.31	32.58	14	677	260	93	0.24	0.0	5.348	0.086	0	0	0	69
PL.25623	PL.25400	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.41	0	3	1	95	0.00	0.0	5.352	0.005	0	0	0	1
PD.3592	PL.25623	A	65T	7.42Y	123.7	0.00	1.31	0.41	0	3	1	95	0.00	0.0	5.352	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25624	PD.3592	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.41	0	3	1	95	0.00	0.0	5.378	0.026	3	1	1	1
PL.25659	PL.25400	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	1.12	1	8	2	97	0.00	0.0	5.352	0.005	0	0	0	2
PD.3610	PL.25659	C	65T	7.42Y	123.7	0.00	1.31	1.12	0	8	2	97	0.00	0.0	5.352	0.005	0	0	0	2
PL.25660	PD.3610	C	6 A (CWC)	7.42Y	123.7	0.00	1.32	1.12	1	8	2	97	0.00	0.0	5.393	0.041	5	1	1	2
PL.25398	PL.25660	C	6 A (CWC)	7.42Y	123.7	0.00	1.32	0.44	0	3	1	95	0.00	0.0	5.430	0.037	3	1	1	1
PL.25396	PL.25400	ABC	#1/0 ACSR	7.42Y	123.6	0.05	1.36	32.08	14	666	257	93	0.22	0.0	5.427	0.079	0	0	0	66
PL.25397	PL.25396	ABC	#1/0 ACSR	7.41Y	123.6	0.06	1.42	32.08	14	666	257	93	0.26	0.0	5.523	0.096	0	0	0	66
PL.25224	PL.25397	ABC	#1/0 ACSR	7.41Y	123.5	0.06	1.48	28.16	12	582	232	93	0.22	0.0	5.629	0.106	0	0	0	56
PL.25551	PL.25224	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	1.53	1	11	3	96	0.00	0.0	5.633	0.005	0	0	0	5
PD.3550	PL.25551	C	65T	7.41Y	123.5	0.00	1.48	1.53	0	11	3	96	0.00	0.0	5.633	0.005	0	0	0	5
PL.25552	PD.3550	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	1.53	1	11	3	96	0.00	0.0	5.679	0.046	5	1	1	5
PL.25393	PL.25552	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.78	1	6	1	99	0.00	0.0	5.719	0.040	0	0	0	4
PL.25394	PL.25393	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.78	1	6	1	99	0.00	0.0	5.757	0.037	3	1	2	4
PL.25081	PL.25394	C	#2 ACSR	7.41Y	123.5	0.00	1.48	0.36	0	3	1	95	0.00	0.0	5.843	0.087	1	0	1	2
PL.25082	PL.25081	C	#2 ACSR	7.41Y	123.5	0.00	1.48	0.19	0	1	0	100	0.00	0.0	5.907	0.063	0	0	0	1
PL.25080	PL.25082	C	#2 ACSR	7.41Y	123.5	0.00	1.48	0.19	0	1	0	100	0.00	0.0	6.046	0.139	1	0	1	1
PL.25128	PL.25224	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.49	27.66	12	571	229	93	0.03	0.0	5.646	0.017	0	0	0	51
PL.25225	PL.25128	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.49	18.20	8	364	176	90	0.00	0.0	5.651	0.005	0	0	0	1
PL.25675	PL.25225	ABC	1/0 AL URD	7.41Y	123.5	0.00	1.49	18.20	11	364	176	90	0.01	0.0	5.656	0.005	0	0	0	1
PD.3617	PL.25675	ABC	65T	7.41Y	123.5	0.00	1.49	18.20	0	364	176	90	0.00	0.0	5.656	0.005	0	0	0	1
PL.25676	PD.3617	ABC	1/0 AL URD	7.41Y	123.5	0.00	1.49	18.20	11	364	176	90	0.01	0.0	5.677	0.021	364	176	1	1
PL.25553	PL.25128	B	6 A (CWC)	7.41Y	123.5	0.01	1.49	28.77	21	207	52	97	0.01	0.0	5.651	0.005	0	0	0	50
PD.3551	PL.25553	B	70L	7.41Y	123.5	0.00	1.49	28.77	41	207	52	97	0.00	0.0	5.651	0.005	0	0	0	50
PL.25554	PD.3551	B	6 A (CWC)	7.40Y	123.4	0.11	1.60	28.77	21	207	52	97	0.17	0.1	5.735	0.085	0	0	1	50
PL.25389	PL.25554	B	6 A (CWC)	7.40Y	123.3	0.08	1.69	28.76	21	206	52	97	0.13	0.1	5.800	0.065	1	0	1	49
PL.25388	PL.25389	B	6 A (CWC)	7.39Y	123.2	0.10	1.79	28.59	20	205	52	97	0.15	0.1	5.876	0.076	0	0	0	48
PL.25690	PL.25388	B	6 A (CWC)	7.39Y	123.1	0.13	1.91	28.59	20	205	52	97	0.20	0.1	5.974	0.098	0	0	0	48
PL.25391	PL.25690	B	6 A (CWC)	7.38Y	123.0	0.11	2.02	28.59	20	205	52	97	0.16	0.1	6.057	0.083	1	0	1	47
PL.25392	PL.25391	B	6 A (CWC)	7.37Y	122.8	0.21	2.23	28.45	20	204	51	97	0.31	0.2	6.220	0.163	8	2	1	46
PL.25390	PL.25392	B	6 A (CWC)	7.35Y	122.5	0.22	2.45	27.29	19	195	49	97	0.33	0.2	6.401	0.181	0	0	0	45
PL.25143	PL.25390	B	6 A (CWC)	7.35Y	122.5	0.02	2.47	7.51	5	54	13	97	0.01	0.0	6.481	0.080	14	3	2	8

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25083	PL.25143	B	#2 ACSR	7.35Y	122.5	0.00	2.48	5.56	3	40	10	97	0.00	0.0	6.514	0.033	12	3	1	6
PL.25406	PL.25083	B	6 A (CWC)	7.35Y	122.5	0.00	2.48	3.81	3	27	7	97	0.00	0.0	6.531	0.017	2	0	2	5
PL.25407	PL.25406	B	6 A (CWC)	7.35Y	122.5	0.01	2.49	3.54	3	25	6	97	0.00	0.0	6.598	0.067	0	0	0	3
PL.25380	PL.25407	B	#2 ACSR	7.35Y	122.5	0.00	2.49	2.35	1	17	4	97	0.00	0.0	6.619	0.022	13	3	1	2
PL.25381	PL.25380	B	#2 ACSR	7.35Y	122.5	0.00	2.49	0.54	0	4	1	97	0.00	0.0	6.651	0.031	4	1	1	1
PL.25144	PL.25407	B	#2 ACSR	7.35Y	122.5	0.00	2.49	1.19	1	9	2	98	0.00	0.0	6.655	0.057	9	2	1	1
PL.25226	PL.25390	B	6 A (CWC)	7.35Y	122.5	0.06	2.51	19.78	14	141	35	97	0.07	0.0	6.470	0.069	0	0	0	37
PL.25227	PL.25226	B	6 A (CWC)	7.35Y	122.5	0.03	2.54	19.40	14	138	35	97	0.03	0.0	6.501	0.031	6	2	1	34
PL.25145	PL.25227	B	6 A (CWC)	7.34Y	122.3	0.20	2.74	18.53	13	132	33	97	0.20	0.2	6.743	0.242	0	0	0	33
PL.25384	PL.25145	B	6 A (CWC)	7.33Y	122.2	0.06	2.81	15.57	11	111	28	97	0.05	0.0	6.835	0.092	4	1	1	28
PL.25385	PL.25384	B	6 A (CWC)	7.33Y	122.1	0.09	2.90	15.01	11	107	27	97	0.07	0.1	6.965	0.130	0	0	0	27
PL.25149	PL.25385	B	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.82	1	6	1	99	0.00	0.0	7.071	0.106	0	0	1	5
PL.25229	PL.25149	B	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.21	0	1	0	100	0.00	0.0	7.132	0.061	0	0	1	3
PL.25382	PL.25229	B	#4 ACSR	7.33Y	122.1	0.00	2.90	0.21	0	1	0	100	0.00	0.0	7.218	0.086	1	0	1	2
PL.25383	PL.25382	B	#4 ACSR	7.33Y	122.1	0.00	2.90	0.01	0	0	0	100	0.00	0.0	7.247	0.030	0	0	1	1
PL.25150	PL.25149	B	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.62	0	4	1	97	0.00	0.0	7.129	0.058	4	1	1	1
PL.25279	PL.25385	B	6 A (CWC)	7.32Y	122.0	0.06	2.96	14.19	10	101	25	97	0.05	0.0	7.057	0.092	0	0	0	22
PL.25280	PL.25279	B	6 A (CWC)	7.32Y	122.0	0.04	3.00	14.19	10	101	25	97	0.03	0.0	7.125	0.068	0	0	0	22
PL.24713	PL.25280	B	6 A (CWC)	7.32Y	121.9	0.08	3.08	14.19	10	101	25	97	0.06	0.1	7.259	0.134	15	4	1	22
PL.24714	PL.24713	B	6 A (CWC)	7.31Y	121.9	0.06	3.14	12.02	9	85	21	97	0.04	0.0	7.377	0.118	0	0	0	21
PL.25625	PL.24714	B	6 A (CWC)	7.31Y	121.9	0.00	3.14	4.86	3	34	9	97	0.00	0.0	7.382	0.005	0	0	0	7
PD.3593	PL.25625	B	30T	7.31Y	121.9	0.00	3.14	4.86	0	34	9	97	0.00	0.0	7.382	0.005	0	0	0	7
PL.25626	PD.3593	B	6 A (CWC)	7.31Y	121.8	0.02	3.16	4.86	3	34	9	97	0.00	0.0	7.462	0.080	0	0	0	7
PL.25070	PL.25626	B	#2 ACSR	7.31Y	121.8	0.00	3.16	0.50	0	4	1	97	0.00	0.0	7.543	0.081	4	1	1	1
PL.25234	PL.25626	B	6 A (CWC)	7.31Y	121.8	0.02	3.18	4.36	3	31	8	97	0.00	0.0	7.547	0.086	0	0	0	6
PL.25067	PL.25234	B	6 A (CWC)	7.31Y	121.8	0.01	3.19	1.70	1	12	3	97	0.00	0.0	7.628	0.081	0	0	0	3
PL.25069	PL.25067	B	#2 ACSR	7.31Y	121.8	0.00	3.19	1.01	1	7	2	96	0.00	0.0	7.691	0.063	7	2	1	1
PL.25235	PL.25067	B	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.69	0	5	1	98	0.00	0.0	7.686	0.058	0	0	0	2
PL.25236	PL.25235	B	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.12	0	1	0	100	0.00	0.0	7.709	0.023	1	0	1	1
PL.25068	PL.25235	B	#2 ACSR	7.31Y	121.8	0.00	3.19	0.57	0	4	1	97	0.00	0.0	7.866	0.180	4	1	1	1
PL.25386	PL.25234	B	6 A (CWC)	7.31Y	121.8	0.01	3.19	2.66	2	19	5	97	0.00	0.0	7.656	0.108	7	2	1	3

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25387	PL.25386	B	6 A (CWC)	7.31Y	121.8	0.01	3.19	1.69	1	12	3	97	0.00	0.0	7.730	0.075	3	1	1	2
PL.25066	PL.25387	B	#1/0 ACSR	7.31Y	121.8	0.00	3.20	1.28	1	9	2	98	0.00	0.0	7.792	0.062	9	2	1	1
PL.25549	PL.24714	B	6 A (CWC)	7.31Y	121.9	0.00	3.14	7.16	5	51	13	97	0.00	0.0	7.382	0.005	0	0	0	14
PD.3549	PL.25549	B	20T	7.31Y	121.9	0.00	3.14	7.16	0	51	13	97	0.00	0.0	7.382	0.005	0	0	0	14
PL.25550	PD.3549	B	6 A (CWC)	7.31Y	121.8	0.04	3.19	7.16	5	51	13	97	0.02	0.0	7.530	0.148	8	2	1	14
PL.25492	PL.25550	B	6 A (CWC)	7.31Y	121.8	0.05	3.23	6.06	4	43	11	97	0.01	0.0	7.694	0.164	0	0	0	13
PL.25065	PL.25492	B	#4 ACSR	7.31Y	121.8	0.00	3.23	0.76	1	5	1	98	0.00	0.0	7.730	0.036	5	1	3	3
PL.25230	PL.25492	B	6 A (CWC)	7.30Y	121.7	0.02	3.26	5.30	4	38	9	97	0.01	0.0	7.794	0.099	0	0	0	10
PL.25231	PL.25230	B	6 A (CWC)	7.30Y	121.7	0.01	3.27	3.43	2	24	6	97	0.00	0.0	7.865	0.071	0	0	0	7
PL.25232	PL.25231	B	6 A (CWC)	7.30Y	121.7	0.00	3.27	1.01	1	7	2	96	0.00	0.0	8.021	0.156	7	2	2	2
PL.25062	PL.25231	B	#2 ACSR	7.30Y	121.7	0.00	3.27	2.42	1	17	4	97	0.00	0.0	7.928	0.063	6	2	2	5
PL.25233	PL.25062	B	#2 ACSR	7.30Y	121.7	0.00	3.27	0.83	0	6	1	99	0.00	0.0	7.985	0.057	6	1	1	1
PL.25063	PL.25062	B	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.71	0	5	1	98	0.00	0.0	7.967	0.039	5	1	2	2
PL.25064	PL.25230	B	#4 ACSR	7.30Y	121.7	0.00	3.26	1.87	1	13	3	97	0.00	0.0	7.871	0.077	13	3	3	3
PL.25146	PL.25145	B	6 A (CWC)	7.33Y	122.2	0.02	2.76	2.96	2	21	5	97	0.00	0.0	6.894	0.152	0	0	0	5
PL.25228	PL.25146	B	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.82	1	6	1	99	0.00	0.0	7.003	0.109	6	1	1	1
PL.25147	PL.25146	B	#4 ACSR	7.33Y	122.2	0.00	2.76	0.15	0	1	0	100	0.00	0.0	6.986	0.091	1	0	1	1
PL.25148	PL.25146	B	6 A (CWC)	7.33Y	122.2	0.01	2.77	2.00	1	14	4	96	0.00	0.0	7.003	0.109	0	0	0	3
PL.25378	PL.25148	B	6 A (CWC)	7.33Y	122.2	0.01	2.79	1.79	1	13	3	97	0.00	0.0	7.147	0.144	0	0	0	2
PL.25379	PL.25378	B	6 A (CWC)	7.33Y	122.2	0.01	2.79	1.79	1	13	3	97	0.00	0.0	7.241	0.094	3	1	1	2
PL.25376	PL.25379	B	#4 ACSR	7.33Y	122.2	0.01	2.80	1.34	1	10	2	98	0.00	0.0	7.429	0.188	0	0	0	1
PL.25377	PL.25376	B	#4 ACSR	7.33Y	122.2	0.00	2.81	1.34	1	10	2	98	0.00	0.0	7.545	0.116	10	2	1	1
PL.25185	PL.25148	B	#1/0 ACSR	7.33Y	122.2	0.00	2.77	0.21	0	1	0	100	0.00	0.0	7.053	0.051	1	0	1	1
PL.25629	PL.25226	B	6 A (CWC)	7.35Y	122.5	0.00	2.51	0.38	0	3	1	95	0.00	0.0	6.475	0.005	0	0	0	3
PD.3595	PL.25629	B	30T	7.35Y	122.5	0.00	2.51	0.38	0	3	1	95	0.00	0.0	6.475	0.005	0	0	0	3
PL.25630	PD.3595	B	6 A (CWC)	7.35Y	122.5	0.00	2.52	0.38	0	3	1	95	0.00	0.0	6.652	0.177	0	0	0	3
PL.25087	PL.25630	B	6 A (CWC)	7.35Y	122.5	0.00	2.52	0.38	0	3	1	95	0.00	0.0	6.788	0.136	0	0	0	3
PL.25086	PL.25087	B	#4 ACSR	7.35Y	122.5	0.00	2.52	0.01	0	0	0	100	0.00	0.0	6.863	0.075	0	0	1	1
PL.25088	PL.25087	B	#1/0 ACSR	7.35Y	122.5	0.00	2.52	0.04	0	0	0	100	0.00	0.0	6.879	0.091	0	0	0	1
PL.25089	PL.25088	B	#1/0 ACSR	7.35Y	122.5	0.00	2.52	0.04	0	0	0	100	0.00	0.0	6.907	0.028	0	0	0	1
PL.25090	PL.25089	B	#1/0 ACSR	7.35Y	122.5	0.00	2.52	0.04	0	0	0	100	0.00	0.0	7.001	0.094	0	0	1	1

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25085	PL.25087	B	6 A (CWC)	7.35Y	122.5	0.00	2.52	0.33	0	2	1	89	0.00	0.0	6.960	0.171	2	1	1	1
PL.25136	PL.25690	B	#4 ACSR	7.39Y	123.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	6.019	0.044	0	0	1	1
PL.25673	PL.25397	ABC	#4 ACSR	7.41Y	123.6	0.00	1.42	3.93	3	84	25	96	0.00	0.0	5.528	0.005	0	0	0	10
PD.3616	PL.25673	ABC	50T	7.41Y	123.6	0.00	1.42	3.93	0	84	25	96	0.00	0.0	5.528	0.005	0	0	0	10
PL.25674	PD.3616	ABC	#4 ACSR	7.41Y	123.6	0.01	1.43	3.93	3	84	25	96	0.00	0.0	5.568	0.041	7	2	3	10
PL.25395	PL.25674	ABC	#4 ACSR	7.41Y	123.6	0.01	1.43	3.59	3	76	23	96	0.00	0.0	5.634	0.065	20	5	3	7
PL.25282	PL.25395	ABC	#2 ACSR	7.41Y	123.6	0.00	1.44	2.64	2	56	18	95	0.00	0.0	5.667	0.034	0	0	0	4
PL.25283	PL.25282	ABC	#2 ACSR	7.41Y	123.6	0.00	1.44	0.01	0	0	0	100	0.00	0.0	5.706	0.039	0	0	1	1
PL.25281	PL.25282	ABC	#4 ACSR	7.41Y	123.6	0.01	1.44	2.63	2	56	18	95	0.00	0.0	5.744	0.077	0	0	0	3
PL.25141	PL.25281	A	#2 ACSR	7.41Y	123.6	0.00	1.45	5.36	3	39	10	97	0.00	0.0	5.765	0.021	39	10	1	1
PL.25493	PL.25281	ABC	#4 ACSR	7.41Y	123.6	0.00	1.45	0.86	1	17	8	90	0.00	0.0	5.875	0.131	11	5	1	2
PL.25494	PL.25493	ABC	#4 ACSR	7.41Y	123.6	0.00	1.45	0.30	0	6	3	89	0.00	0.0	6.037	0.162	6	3	1	1
PL.25667	PL.25684	ABC	#1/0 ACSR	7.44Y	124.1	0.00	0.92	1.02	0	21	9	92	0.00	0.0	4.792	0.005	0	0	0	2
PD.3614	PL.25667	ABC	65T	7.44Y	124.1	0.00	0.92	1.02	0	21	9	92	0.00	0.0	4.792	0.005	0	0	0	2
PL.25668	PD.3614	ABC	#1/0 ACSR	7.44Y	124.1	0.00	0.92	1.02	0	21	9	92	0.00	0.0	4.812	0.020	21	9	2	2
PL.25135	PL.25220	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.84	1.17	0	25	6	97	0.00	0.0	4.757	0.068	2	0	1	10
PL.25078	PL.25135	C	6 A (CWC)	7.45Y	124.2	0.00	0.84	0.88	1	6	2	95	0.00	0.0	4.795	0.038	0	0	0	3
PL.25079	PL.25078	C	8 A (CWC)	7.45Y	124.2	0.00	0.84	0.88	1	6	2	95	0.00	0.0	4.824	0.029	6	2	3	3
PL.25075	PL.25135	C	#4 ACSR	7.45Y	124.2	0.00	0.84	2.12	2	15	4	97	0.00	0.0	4.803	0.047	15	4	4	4
PL.25076	PL.25135	ABC	#4 ACSR	7.45Y	124.2	0.00	0.84	0.09	0	2	0	100	0.00	0.0	4.769	0.012	2	0	2	2
PL.25567	PL.24724	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	1.84	1	13	3	97	0.00	0.0	4.655	0.005	0	0	0	2
PD.3557	PL.25567	A	65T	7.45Y	124.2	0.00	0.81	1.84	0	13	3	97	0.00	0.0	4.655	0.005	0	0	0	2
PL.25568	PD.3557	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	1.84	1	13	3	97	0.00	0.0	4.744	0.089	0	0	0	2
PL.25142	PL.25568	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.75	1	5	1	98	0.00	0.0	4.783	0.039	5	1	1	1
PL.25221	PL.25568	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	1.09	0	8	2	97	0.00	0.0	4.829	0.085	8	2	1	1
PL.25697	PL.24724	ABC	336 MCM AC	7.45Y	124.2	0.03	0.84	63.45	12	1373	354	97	0.22	0.0	4.715	0.065	0	0	0	452
PL.25698	PL.25697	ABC	336 MCM AC	7.45Y	124.2	0.01	0.84	63.45	12	1373	353	97	0.04	0.0	4.727	0.012	2	1	2	452
PL.25414	PL.25698	ABC	336 MCM AC	7.45Y	124.1	0.03	0.87	63.35	12	1371	353	97	0.20	0.0	4.785	0.058	3	1	3	450
PL.25415	PL.25414	ABC	336 MCM AC	7.45Y	124.1	0.02	0.89	63.19	12	1367	351	97	0.15	0.0	4.830	0.045	0	0	0	447
PL.25631	PL.25415	A	#1/0 ACSR	7.45Y	124.1	0.00	0.89	1.67	1	12	3	97	0.00	0.0	4.835	0.005	0	0	0	4
PD.3596	PL.25631	A	65T	7.45Y	124.1	0.00	0.89	1.67	0	12	3	97	0.00	0.0	4.835	0.005	0	0	0	4

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25632	PD.3596	A	#1/0 ACSR	7.45Y	124.1	0.00	0.89	1.67	1	12	3	97	0.00	0.0	4.860	0.025	12	3	4	4
PL.24727	PL.25415	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.79	0	6	1	99	0.00	0.0	4.835	0.005	0	0	0	5
PD.3562	PL.24727	C	65T	7.45Y	124.1	0.00	0.89	0.79	0	6	1	99	0.00	0.0	4.835	0.005	0	0	0	5
PL.24728	PD.3562	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.79	0	6	1	99	0.00	0.0	4.855	0.020	5	1	2	5
PL.25071	PL.24728	C	#4 ACSR	7.45Y	124.1	0.00	0.89	0.08	0	1	0	100	0.00	0.0	4.894	0.039	1	0	3	3
PL.25237	PL.25415	ABC	336 MCM AC	7.44Y	124.1	0.05	0.94	62.37	12	1350	347	97	0.33	0.0	4.930	0.100	0	0	0	438
PL.25422	PL.25237	ABC	#1/0 ACSR	7.44Y	124.1	0.00	0.94	7.21	3	156	39	97	0.00	0.0	4.940	0.010	13	3	7	48
PL.25423	PL.25422	ABC	#1/0 ACSR	7.44Y	124.1	0.01	0.95	6.60	3	143	36	97	0.01	0.0	4.998	0.058	1	0	2	41
PL.25695	PL.25423	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.95	6.57	3	142	36	97	0.01	0.0	5.074	0.076	0	0	0	39
PD.3628	PL.25695	ABC	70L	7.44Y	124.0	0.00	0.95	6.57	9	142	36	97	0.00	0.0	5.074	0.076	0	0	0	39
PL.25696	PD.3628	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.96	6.57	3	142	36	97	0.01	0.0	5.158	0.085	0	0	0	39
PL.25238	PL.25696	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.97	2.97	1	64	16	97	0.00	0.0	5.285	0.127	0	0	0	23
PL.25239	PL.25238	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.97	2.80	1	61	15	97	0.00	0.0	5.357	0.071	10	2	3	22
PL.25240	PL.25239	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	1.65	1	36	9	97	0.00	0.0	5.429	0.072	0	0	0	15
PL.25513	PL.25240	C	6 A (CWC)	7.44Y	124.0	0.00	0.98	2.27	2	16	4	97	0.00	0.0	5.434	0.005	0	0	0	6
PD.3464	PL.25513	C	30T	7.44Y	124.0	0.00	0.98	2.27	0	16	4	97	0.00	0.0	5.434	0.005	0	0	0	6
PL.25514	PD.3464	C	6 A (CWC)	7.44Y	124.0	0.01	0.98	2.27	2	16	4	97	0.00	0.0	5.502	0.068	3	1	3	6
PL.25324	PL.25514	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	1.79	1	13	3	97	0.00	0.0	5.561	0.058	6	2	1	3
PL.25096	PL.25324	C	#4 ACSR	7.44Y	124.0	0.00	0.99	0.91	1	7	2	96	0.00	0.0	5.601	0.040	0	0	1	2
PL.25097	PL.25096	C	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.91	0	7	2	96	0.00	0.0	5.717	0.116	7	2	1	1
PL.24701	PL.25240	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.89	0	19	5	97	0.00	0.0	5.461	0.031	8	2	2	9
PL.25094	PL.24701	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.53	0	11	3	96	0.00	0.0	5.488	0.027	1	0	1	7
PL.25322	PL.25094	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.48	0	10	3	96	0.00	0.0	5.529	0.041	4	1	2	6
PL.25323	PL.25322	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.31	0	7	2	96	0.00	0.0	5.601	0.072	0	0	0	4
PL.25241	PL.25323	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.17	0	4	1	97	0.00	0.0	5.675	0.074	2	1	2	3
PL.25509	PL.25241	C	6 A (CWC)	7.44Y	124.0	0.00	0.98	0.20	0	1	0	100	0.00	0.0	5.679	0.005	0	0	0	1
PD.3462	PL.25509	C	30T	7.44Y	124.0	0.00	0.98	0.20	0	1	0	100	0.00	0.0	5.679	0.005	0	0	0	1
PL.25510	PD.3462	C	6 A (CWC)	7.44Y	124.0	0.00	0.98	0.20	0	1	0	100	0.00	0.0	5.731	0.052	1	0	1	1
PL.25242	PL.25241	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	5.732	0.058	0	0	0	0
PL.21775	PL.25242	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	5.737	0.005	0	0	0	0
PD.3202-B	PL.21775	ABC	Open	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	5.737	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25511	PL.25323	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.42	0	3	1	95	0.00	0.0	5.606	0.005	0	0	0	1
PD.3463	PL.25511	C	30T	7.44Y	124.0	0.00	0.98	0.42	0	3	1	95	0.00	0.0	5.606	0.005	0	0	0	1
PL.25512	PD.3463	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.42	0	3	1	95	0.00	0.0	5.738	0.133	3	1	1	1
PL.25633	PL.25239	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	1.67	1	12	3	97	0.00	0.0	5.361	0.005	0	0	0	3
PD.3597	PL.25633	A	30T	7.44Y	124.0	0.00	0.97	1.67	0	12	3	97	0.00	0.0	5.361	0.005	0	0	0	3
PL.25634	PD.3597	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	1.67	1	12	3	97	0.00	0.0	5.452	0.090	12	3	3	3
PL.25515	PL.25239	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.42	0	3	1	95	0.00	0.0	5.361	0.005	0	0	0	1
PD.3465	PL.25515	C	30T	7.44Y	124.0	0.00	0.97	0.42	0	3	1	95	0.00	0.0	5.361	0.005	0	0	0	1
PL.25516	PD.3465	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.42	0	3	1	95	0.00	0.0	5.439	0.078	0	0	0	1
PL.24717	PL.25516	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.42	0	3	1	95	0.00	0.0	5.511	0.072	0	0	0	1
PL.24718	PL.24717	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.42	0	3	1	95	0.00	0.0	5.586	0.075	3	1	1	1
PL.25563	PL.25238	C	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.52	0	4	1	97	0.00	0.0	5.290	0.005	0	0	0	1
PD.3555	PL.25563	C	30T	7.44Y	124.0	0.00	0.97	0.52	0	4	1	97	0.00	0.0	5.290	0.005	0	0	0	1
PL.25564	PD.3555	C	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.52	0	4	1	97	0.00	0.0	5.340	0.050	4	1	1	1
PL.25091	PL.25696	C	#4 ACSR	7.44Y	124.0	0.00	0.96	0.52	0	4	1	97	0.00	0.0	5.163	0.005	0	0	0	1
PD.3559	PL.25091	C	30T	7.44Y	124.0	0.00	0.96	0.52	0	4	1	97	0.00	0.0	5.163	0.005	0	0	0	1
PL.25203	PD.3559	C	#4 ACSR	7.44Y	124.0	0.00	0.96	0.52	0	4	1	97	0.00	0.0	5.192	0.029	4	1	1	1
PL.25095	PD.3559	C	#4 ACSR	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	5.216	0.053	0	0	0	0
PL.25635	PL.25696	A	#4 ACSR	7.44Y	124.0	0.00	0.97	10.27	8	74	19	97	0.00	0.0	5.163	0.005	0	0	0	15
PD.3598	PL.25635	A	30T	7.44Y	124.0	0.00	0.97	10.27	0	74	19	97	0.00	0.0	5.163	0.005	0	0	0	15
PL.25636	PD.3598	A	#4 ACSR	7.44Y	124.0	0.03	1.00	10.27	8	74	19	97	0.02	0.0	5.243	0.080	15	4	2	15
PL.25412	PL.25636	A	#4 ACSR	7.44Y	124.0	0.02	1.02	8.19	6	59	15	97	0.01	0.0	5.297	0.054	5	1	1	13
PL.25413	PL.25412	A	#4 ACSR	7.44Y	124.0	0.02	1.03	7.45	6	54	13	97	0.01	0.0	5.350	0.052	7	2	1	12
PL.25410	PL.25413	A	#4 ACSR	7.44Y	124.0	0.01	1.04	5.56	4	40	10	97	0.00	0.0	5.394	0.044	16	4	3	9
PL.25411	PL.25410	A	#4 ACSR	7.44Y	124.0	0.00	1.04	3.41	3	25	6	97	0.00	0.0	5.420	0.026	25	6	6	6
PL.25093	PL.25413	A	#4 ACSR	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	5.391	0.041	0	0	0	0
PL.25288	PL.25413	A	#4 ACSR	7.44Y	124.0	0.00	1.04	0.89	1	6	2	95	0.00	0.0	5.389	0.039	0	0	0	2
PL.25289	PL.25288	A	#4 ACSR	7.44Y	124.0	0.00	1.04	0.21	0	2	0	100	0.00	0.0	5.473	0.084	2	0	1	1
PL.25092	PL.25288	A	#2 ACSR	7.44Y	124.0	0.00	1.04	0.68	0	5	1	98	0.00	0.0	5.404	0.015	5	1	1	1
PL.25419	PL.25237	ABC	#1/0 ACSR	7.44Y	124.0	0.03	0.97	55.17	24	1193	307	97	0.24	0.0	4.960	0.030	0	0	1	390
PL.25424	PL.25419	ABC	#1/0 ACSR	7.44Y	124.0	0.06	1.03	55.16	24	1193	307	97	0.49	0.0	5.020	0.060	7	2	1	389

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25691	PL.25424	ABC	#1/0 ACSR	7.44Y	124.0	0.02	1.05	54.86	24	1186	305	97	0.17	0.0	5.041	0.021	0	0	0	388
PD.3626	PL.25691	ABC	100L	7.44Y	124.0	0.00	1.05	54.86	55	1186	304	97	0.00	0.0	5.041	0.021	0	0	0	388
PL.25692	PD.3626	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.07	54.86	24	1186	304	97	0.18	0.0	5.064	0.023	25	6	8	388
PL.25430	PL.25692	ABC	#1/0 ACSR	7.43Y	123.9	0.08	1.15	53.70	23	1160	298	97	0.63	0.1	5.146	0.082	1	0	1	380
PL.25102	PL.25430	ABC	#1/0 ACSR	7.42Y	123.7	0.14	1.29	53.03	23	1145	294	97	1.13	0.1	5.297	0.151	0	0	0	377
PL.25244	PL.25102	ABC	#1/0 ACSR	7.41Y	123.6	0.14	1.43	51.96	23	1121	287	97	1.12	0.1	5.453	0.155	0	0	0	373
PL.25617	PL.25244	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	1.35	1	10	2	98	0.00	0.0	5.457	0.005	0	0	0	1
PD.3589	PL.25617	A	40T	7.41Y	123.6	0.00	1.43	1.35	0	10	2	98	0.00	0.0	5.457	0.005	0	0	0	1
PL.25618	PD.3589	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	1.35	1	10	2	98	0.00	0.0	5.505	0.048	10	2	1	1
PL.25245	PL.25244	ABC	#1/0 ACSR	7.41Y	123.5	0.10	1.53	51.51	22	1110	283	97	0.75	0.1	5.559	0.106	0	0	0	372
PL.25327	PL.25245	ABC	#1/0 ACSR	7.40Y	123.4	0.08	1.61	51.51	22	1109	283	97	0.63	0.1	5.648	0.089	6	1	1	372
PL.25328	PL.25327	ABC	#1/0 ACSR	7.40Y	123.4	0.04	1.65	51.26	22	1103	281	97	0.28	0.0	5.687	0.039	0	0	0	371
PL.25533	PL.25328	A	6 A (CWC)	7.40Y	123.3	0.00	1.65	11.57	8	83	21	97	0.00	0.0	5.692	0.005	0	0	0	21
PD.3474	PL.25533	A	40T	7.40Y	123.3	0.00	1.65	11.57	0	83	21	97	0.00	0.0	5.692	0.005	0	0	0	21
PL.25534	PD.3474	A	6 A (CWC)	7.40Y	123.3	0.01	1.66	11.57	8	83	21	97	0.00	0.0	5.704	0.012	25	6	3	21
PL.25343	PL.25534	A	6 A (CWC)	7.40Y	123.3	0.01	1.67	8.13	6	58	15	97	0.00	0.0	5.735	0.031	5	1	2	18
PL.25104	PL.25343	A	#4 ACSR	7.40Y	123.3	0.01	1.68	6.49	5	47	12	97	0.00	0.0	5.769	0.035	10	3	1	14
PL.25152	PL.25104	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	5.05	4	36	9	97	0.00	0.0	5.800	0.030	36	9	13	13
PL.25106	PL.25343	A	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.92	1	7	2	96	0.00	0.0	5.743	0.008	0	0	0	2
PL.25105	PL.25106	A	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.92	1	7	2	96	0.00	0.0	5.774	0.031	7	2	2	2
PL.25103	PL.25328	ABC	#3/0 ACSR	7.40Y	123.3	0.01	1.66	47.40	16	1020	260	97	0.06	0.0	5.704	0.017	0	0	0	350
PL.25527	PL.25103	A	6 A (CWC)	7.40Y	123.3	0.00	1.66	2.84	2	20	5	97	0.00	0.0	5.709	0.005	0	0	0	3
PD.3471	PL.25527	A	40T	7.40Y	123.3	0.00	1.66	2.84	0	20	5	97	0.00	0.0	5.709	0.005	0	0	0	3
PL.25528	PD.3471	A	6 A (CWC)	7.40Y	123.3	0.00	1.66	2.84	2	20	5	97	0.00	0.0	5.732	0.023	5	1	1	3
PL.25340	PL.25528	A	6 A (CWC)	7.40Y	123.3	0.00	1.67	2.18	2	16	4	97	0.00	0.0	5.812	0.081	16	4	2	2
PL.25246	PL.25103	ABC	#3/0 ACSR	7.40Y	123.3	0.02	1.68	46.45	15	999	255	97	0.16	0.0	5.748	0.043	14	3	9	347
PL.25247	PL.25246	ABC	#3/0 ACSR	7.40Y	123.3	0.01	1.69	45.09	15	970	247	97	0.06	0.0	5.767	0.019	0	0	0	333
PL.25529	PL.25247	C	#4 ACSR	7.40Y	123.3	0.00	1.70	1.12	1	8	2	97	0.00	0.0	5.771	0.004	0	0	0	2
PD.3472	PL.25529	C	40T	7.40Y	123.3	0.00	1.70	1.12	0	8	2	97	0.00	0.0	5.771	0.004	0	0	0	2
PL.25530	PD.3472	C	#4 ACSR	7.40Y	123.3	0.01	1.70	1.12	1	8	2	97	0.00	0.0	5.918	0.147	0	0	0	2
PL.25153	PL.25530	C	#4 ACSR	7.40Y	123.3	0.00	1.70	1.12	1	8	2	97	0.00	0.0	5.934	0.016	8	2	2	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25341	PL.25247	ABC	#3/0 ACSR	7.40Y	123.3	0.02	1.71	44.72	15	962	245	97	0.10	0.0	5.797	0.030	14	4	3	331
PL.25342	PL.25341	ABC	#3/0 ACSR	7.40Y	123.3	0.02	1.73	44.06	15	948	241	97	0.12	0.0	5.835	0.038	0	0	0	328
PL.25248	PL.25342	ABC	#3/0 ACSR	7.39Y	123.2	0.04	1.77	40.91	14	880	224	97	0.23	0.0	5.916	0.080	0	0	0	316
PL.24719	PL.25248	ABC	#3/0 ACSR	7.39Y	123.1	0.08	1.86	40.91	14	879	224	97	0.46	0.1	6.079	0.163	0	0	0	316
PL.25249	PL.24719	ABC	#3/0 ACSR	7.39Y	123.1	0.02	1.87	39.96	13	858	218	97	0.09	0.0	6.111	0.033	9	2	8	300
PL.25637	PL.25249	C	6 A (CWC)	7.39Y	123.1	0.00	1.87	10.44	7	75	19	97	0.00	0.0	6.116	0.005	0	0	0	26
PD.3599	PL.25637	C	40T	7.39Y	123.1	0.00	1.87	10.44	0	75	19	97	0.00	0.0	6.116	0.005	0	0	0	26
PL.25638	PD.3599	C	6 A (CWC)	7.39Y	123.1	0.03	1.91	10.44	7	75	19	97	0.02	0.0	6.189	0.073	3	1	1	26
PL.25162	PL.25638	C	6 A (CWC)	7.38Y	123.1	0.01	1.92	8.31	6	60	15	97	0.00	0.0	6.231	0.042	32	8	15	21
PL.25165	PL.25162	C	#4 ACSR	7.38Y	123.1	0.00	1.92	2.72	2	20	5	97	0.00	0.0	6.250	0.019	20	5	2	2
PL.25164	PL.25162	C	6 A (CWC)	7.38Y	123.1	0.00	1.92	1.07	1	8	2	97	0.00	0.0	6.278	0.048	8	2	4	4
PL.25163	PL.25638	C	#4 ACSR	7.39Y	123.1	0.00	1.91	1.72	1	12	3	97	0.00	0.0	6.202	0.014	12	3	4	4
PL.25250	PL.25249	ABC	#3/0 ACSR	7.39Y	123.1	0.01	1.88	36.08	12	775	197	97	0.04	0.0	6.130	0.019	0	0	0	266
PL.25157	PL.25250	ABC	#3/0 ACSR	7.39Y	123.1	0.03	1.91	35.67	12	766	195	97	0.14	0.0	6.196	0.066	8	2	12	261
PL.25158	PL.25157	ABC	#3/0 ACSR	7.39Y	123.1	0.00	1.91	35.31	12	758	193	97	0.00	0.0	6.198	0.002	9	2	9	249
PL.25334	PL.25158	ABC	#1/0 ACSR	7.38Y	123.1	0.02	1.93	30.80	13	661	169	97	0.09	0.0	6.233	0.034	11	3	1	141
PL.25335	PL.25334	ABC	#1/0 ACSR	7.38Y	123.1	0.02	1.95	30.29	13	650	166	97	0.08	0.0	6.266	0.034	0	0	0	140
PL.25521	PL.25335	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	2.15	2	15	4	97	0.00	0.0	6.271	0.005	0	0	0	3
PD.3468	PL.25521	C	40T	7.38Y	123.1	0.00	1.95	2.15	0	15	4	97	0.00	0.0	6.271	0.005	0	0	0	3
PL.25522	PD.3468	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	2.15	2	15	4	97	0.00	0.0	6.289	0.019	0	0	0	3
PL.25519	PL.25522	C	1/0 AL URD	7.38Y	123.1	0.00	1.95	0.46	0	3	1	95	0.00	0.0	6.294	0.005	0	0	0	1
PD.3467	PL.25519	C	40T	7.38Y	123.1	0.00	1.95	0.46	0	3	1	95	0.00	0.0	6.294	0.005	0	0	0	1
PL.25520	PD.3467	C	1/0 AL URD	7.38Y	123.1	0.00	1.95	0.46	0	3	1	95	0.00	0.0	6.308	0.014	3	1	1	1
PL.24699	PL.25522	C	6 A (CWC)	7.38Y	123.0	0.00	1.95	1.69	1	12	3	97	0.00	0.0	6.331	0.041	7	2	1	2
PL.25168	PL.24699	C	#4 ACSR	7.38Y	123.0	0.00	1.95	0.78	1	6	1	99	0.00	0.0	6.474	0.143	6	1	1	1
PL.25347	PL.25335	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.97	29.57	13	635	162	97	0.09	0.0	6.304	0.038	0	0	0	137
PL.25348	PL.25347	ABC	#1/0 ACSR	7.38Y	123.0	0.05	2.02	29.57	13	635	162	97	0.22	0.0	6.399	0.094	0	0	0	137
PL.25539	PL.25348	C	#4 ACSR	7.38Y	123.0	0.00	2.02	1.14	1	8	2	97	0.00	0.0	6.403	0.004	0	0	0	1
PD.3544	PL.25539	C	40T	7.38Y	123.0	0.00	2.02	1.14	0	8	2	97	0.00	0.0	6.403	0.004	0	0	0	1
PL.25540	PD.3544	C	#4 ACSR	7.38Y	123.0	0.00	2.02	1.14	1	8	2	97	0.00	0.0	6.457	0.054	8	2	1	1
PL.25251	PL.25348	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.02	29.19	13	626	159	97	0.03	0.0	6.411	0.012	0	0	1	136

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25166	PL.25251	ABC	#1/0 ACSR	7.38Y	122.9	0.05	2.07	29.17	13	626	159	97	0.22	0.0	6.507	0.096	0	0	0	135
PL.25161	PL.25166	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.11	29.17	13	626	159	97	0.17	0.0	6.583	0.076	0	0	0	135
PL.25294	PL.25161	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.12	16.64	7	356	92	97	0.01	0.0	6.590	0.007	0	0	0	84
PL.25537	PL.25294	C	#4 ACSR	7.37Y	122.9	0.00	2.12	9.27	7	66	17	97	0.00	0.0	6.595	0.005	0	0	0	23
PD.3543	PL.25537	C	40T	7.37Y	122.9	0.00	2.12	9.27	0	66	17	97	0.00	0.0	6.595	0.005	0	0	0	23
PL.25538	PD.3543	C	#4 ACSR	7.37Y	122.9	0.00	2.12	9.27	7	66	17	97	0.00	0.0	6.602	0.006	0	0	0	23
PL.25170	PL.25538	C	#1/0 ACSR	7.37Y	122.9	0.00	2.12	1.01	0	7	2	96	0.00	0.0	6.677	0.076	7	2	1	1
PL.25355	PL.25538	C	#2 ACSR	7.37Y	122.9	0.00	2.12	8.26	5	59	15	97	0.00	0.0	6.618	0.016	2	0	2	22
PL.25356	PL.25355	C	#2 ACSR	7.37Y	122.9	0.00	2.13	8.01	5	57	14	97	0.00	0.0	6.638	0.020	12	3	5	20
PL.25352	PL.25356	C	#2 ACSR	7.37Y	122.9	0.00	2.13	6.37	4	46	11	97	0.00	0.0	6.655	0.018	4	1	1	15
PL.25353	PL.25352	C	#2 ACSR	7.37Y	122.9	0.00	2.13	5.75	3	41	10	97	0.00	0.0	6.671	0.016	15	4	5	14
PL.25354	PL.25353	C	#2 ACSR	7.37Y	122.9	0.00	2.14	3.70	2	26	7	97	0.00	0.0	6.688	0.016	2	1	1	9
PL.25357	PL.25354	C	#2 ACSR	7.37Y	122.9	0.00	2.14	3.38	2	24	6	97	0.00	0.0	6.704	0.016	4	1	3	8
PL.25358	PL.25357	C	#2 ACSR	7.37Y	122.9	0.00	2.14	2.77	2	20	5	97	0.00	0.0	6.720	0.017	3	1	1	5
PL.25351	PL.25358	C	#2 ACSR	7.37Y	122.9	0.00	2.14	2.30	1	16	4	97	0.00	0.0	6.739	0.019	0	0	0	4
PL.25350	PL.25351	C	#2 ACSR	7.37Y	122.9	0.00	2.14	2.30	1	16	4	97	0.00	0.0	6.756	0.017	4	1	2	4
PL.25349	PL.25350	C	#2 ACSR	7.37Y	122.9	0.00	2.14	1.76	1	13	3	97	0.00	0.0	6.785	0.029	13	3	2	2
PL.25295	PL.25294	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.12	13.55	6	290	75	97	0.02	0.0	6.626	0.035	0	0	0	61
PL.25693	PL.25295	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.12	13.55	6	290	75	97	0.00	0.0	6.628	0.003	0	0	0	61
PD.3627	PL.25693	ABC	70L	7.37Y	122.9	0.00	2.12	13.55	19	290	75	97	0.00	0.0	6.628	0.003	0	0	0	61
PL.25694	PD.3627	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.14	13.55	6	290	75	97	0.03	0.0	6.681	0.053	10	3	1	61
PL.25359	PL.25694	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.15	13.07	6	280	73	97	0.02	0.0	6.734	0.053	0	0	0	60
PL.25547	PL.25359	A	#1/0 ACSR	7.37Y	122.9	0.00	2.15	0.64	0	5	1	98	0.00	0.0	6.739	0.005	0	0	0	1
PD.3548	PL.25547	A	30T	7.37Y	122.9	0.00	2.15	0.64	0	5	1	98	0.00	0.0	6.739	0.005	0	0	0	1
PL.25548	PD.3548	A	#1/0 ACSR	7.37Y	122.9	0.00	2.15	0.64	0	5	1	98	0.00	0.0	6.766	0.027	5	1	1	1
PL.25293	PL.25359	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.16	12.85	6	275	72	97	0.02	0.0	6.782	0.047	0	0	0	59
PL.25326	PL.25293	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.17	12.28	5	263	68	97	0.02	0.0	6.821	0.039	3	1	2	55
PL.25495	PL.25326	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.18	12.15	5	260	68	97	0.02	0.0	6.870	0.049	7	3	1	53
PL.25496	PL.25495	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.20	11.82	5	253	64	97	0.03	0.0	6.948	0.079	5	1	1	52
PL.25325	PL.25496	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.22	11.58	5	248	63	97	0.04	0.0	7.050	0.102	0	0	0	51
PL.25517	PL.25325	C	#1/0 ACSR	7.37Y	122.8	0.00	2.22	0.99	0	7	2	96	0.00	0.0	7.055	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3466	PL.25517	C	30T	7.37Y	122.8	0.00	2.22	0.99	0	7	2	96	0.00	0.0	7.055	0.005	0	0	0	1
PL.25518	PD.3466	C	#1/0 ACSR	7.37Y	122.8	0.00	2.22	0.99	0	7	2	96	0.00	0.0	7.103	0.048	7	2	1	1
PL.25255	PL.25325	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.22	11.25	5	241	61	97	0.01	0.0	7.081	0.031	9	2	2	50
PL.25172	PL.25255	AB	#1/0 ACSR	7.37Y	122.8	0.02	2.24	16.23	7	232	59	97	0.03	0.0	7.142	0.061	0	0	0	48
PL.25643	PL.25172	AB	#1/0 ACSR	7.37Y	122.8	0.00	2.24	15.33	7	219	56	97	0.00	0.0	7.146	0.005	0	0	0	45
PL.25644	PL.25643	AB	#1/0 ACSR	7.36Y	122.7	0.04	2.29	15.33	7	219	56	97	0.06	0.0	7.282	0.136	0	0	0	45
PL.24720	PL.25644	AB	#1/0 ACSR	7.36Y	122.7	0.03	2.31	15.33	7	219	56	97	0.04	0.0	7.366	0.083	0	0	0	45
PL.25278	PL.24720	AB	#1/0 ACSR	7.36Y	122.6	0.04	2.35	15.33	7	219	56	97	0.06	0.0	7.498	0.132	0	0	0	45
PL.24721	PL.25278	AB	#1/0 ACSR	7.36Y	122.6	0.04	2.39	15.33	7	219	56	97	0.06	0.0	7.618	0.120	0	0	0	45
PL.25647	PL.24721	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	7.623	0.005	0	0	0	0
PD.3603	PL.25647	A	10T	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	7.623	0.005	0	0	0	0
PL.25648	PD.3603	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	7.716	0.093	0	0	0	0
PL.25261	PL.25648	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	7.829	0.113	0	0	0	0
PL.25256	PL.24721	AB	#1/0 ACSR	7.35Y	122.6	0.05	2.44	15.33	7	219	56	97	0.07	0.0	7.767	0.149	0	0	0	45
PL.25257	PL.25256	AB	#1/0 ACSR	7.35Y	122.5	0.04	2.48	15.30	7	218	55	97	0.06	0.0	7.896	0.130	0	0	0	43
PL.25264	PL.25257	AB	#1/0 ACSR	7.35Y	122.5	0.04	2.52	15.30	7	218	55	97	0.06	0.0	8.029	0.132	1	0	1	43
PL.25687	PL.25264	A	#1/0 ACSR	7.35Y	122.5	0.01	2.53	5.73	2	41	10	97	0.00	0.0	8.096	0.067	0	0	0	14
PD.3624	PL.25687	A	35L	7.35Y	122.5	0.00	2.53	5.73	16	41	10	97	0.00	0.0	8.096	0.067	0	0	0	14
PL.25688	PD.3624	A	#1/0 ACSR	7.35Y	122.5	0.02	2.54	5.73	2	41	10	97	0.00	0.0	8.217	0.121	0	0	0	14
PL.25265	PL.25688	A	#1/0 ACSR	7.35Y	122.4	0.02	2.56	5.73	2	41	10	97	0.00	0.0	8.355	0.138	0	0	0	14
PL.25266	PL.25265	A	#1/0 ACSR	7.35Y	122.4	0.02	2.58	5.73	2	41	10	97	0.01	0.0	8.505	0.149	0	0	0	14
PL.25267	PL.25266	A	#1/0 ACSR	7.34Y	122.4	0.01	2.59	5.73	2	41	10	97	0.00	0.0	8.581	0.076	0	0	0	14
PL.25276	PL.25267	A	#1/0 ACSR	7.34Y	122.4	0.02	2.61	5.73	2	41	10	97	0.00	0.0	8.702	0.122	0	0	0	14
PL.25174	PL.25276	A	6 A (CWC)	7.34Y	122.4	0.00	2.61	0.24	0	2	0	100	0.00	0.0	8.744	0.042	0	0	0	1
PL.25173	PL.25174	A	#4 ACSR	7.34Y	122.4	0.00	2.61	0.24	0	2	0	100	0.00	0.0	8.786	0.042	2	0	1	1
PL.25177	PL.25276	A	#4 ACSR	7.34Y	122.4	0.03	2.64	5.48	4	39	10	97	0.01	0.0	8.822	0.119	0	0	0	13
PL.25277	PL.25177	A	#4 ACSR	7.34Y	122.3	0.02	2.66	5.48	4	39	10	97	0.01	0.0	8.902	0.081	0	0	0	13
PL.25268	PL.25277	A	#4 ACSR	7.34Y	122.3	0.02	2.68	5.48	4	39	10	97	0.01	0.0	8.980	0.078	0	0	0	13
PL.25180	PL.25268	A	#4 ACSR	7.34Y	122.3	0.00	2.68	0.08	0	1	0	100	0.00	0.0	9.014	0.034	1	0	1	1
PL.25181	PL.25268	A	#4 ACSR	7.34Y	122.3	0.01	2.68	1.56	1	11	3	96	0.00	0.0	9.109	0.128	0	0	0	3
PL.25315	PL.25181	A	#4 ACSR	7.34Y	122.3	0.01	2.69	1.56	1	11	3	96	0.00	0.0	9.201	0.093	4	1	1	3

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25316	PL.25315	A	#4 ACSR	7.34Y	122.3	0.00	2.69	1.04	1	7	2	96	0.00	0.0	9.261	0.060	0	0	0	2
PL.25183	PL.25316	A	#4 ACSR	7.34Y	122.3	0.00	2.69	0.02	0	0	0	100	0.00	0.0	9.313	0.052	0	0	1	1
PL.25651	PL.25316	A	#1/0 ACSR	7.34Y	122.3	0.00	2.69	1.02	0	7	2	96	0.00	0.0	9.266	0.005	0	0	0	1
PD.3606	PL.25651	A	15T	7.34Y	122.3	0.00	2.69	1.02	0	7	2	96	0.00	0.0	9.266	0.005	0	0	0	1
PL.25652	PD.3606	A	#1/0 ACSR	7.34Y	122.3	0.00	2.69	1.02	0	7	2	96	0.00	0.0	9.314	0.048	7	2	1	1
PL.25182	PL.25181	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	9.150	0.041	0	0	0	0
PL.25312	PL.25268	A	#4 ACSR	7.34Y	122.3	0.00	2.68	3.84	3	27	7	97	0.00	0.0	8.999	0.019	0	0	0	9
PL.25313	PL.25312	A	#4 ACSR	7.34Y	122.3	0.01	2.69	3.84	3	27	7	97	0.00	0.0	9.054	0.055	3	1	1	9
PL.25314	PL.25313	A	#4 ACSR	7.34Y	122.3	0.01	2.70	3.44	3	24	6	97	0.00	0.0	9.119	0.065	6	1	1	8
PL.25179	PL.25314	A	#4 ACSR	7.34Y	122.3	0.01	2.70	2.65	2	19	5	97	0.00	0.0	9.187	0.068	2	1	1	7
PL.25178	PL.25179	A	#4 ACSR	7.34Y	122.3	0.00	2.71	0.47	0	3	1	95	0.00	0.0	9.273	0.087	0	0	0	1
PL.25269	PL.25178	A	#4 ACSR	7.34Y	122.3	0.00	2.71	0.47	0	3	1	95	0.00	0.0	9.380	0.107	3	1	1	1
PL.25176	PL.25179	A	#4 ACSR	7.34Y	122.3	0.01	2.71	1.88	1	13	3	97	0.00	0.0	9.255	0.069	0	0	1	5
PL.25175	PL.25176	A	#2 ACSR	7.34Y	122.3	0.00	2.71	0.70	0	5	1	98	0.00	0.0	9.293	0.038	5	1	1	1
PL.25310	PL.25176	A	#4 ACSR	7.34Y	122.3	0.00	2.71	1.14	1	8	2	97	0.00	0.0	9.311	0.056	2	0	1	3
PL.25311	PL.25310	A	#4 ACSR	7.34Y	122.3	0.00	2.71	0.92	1	7	2	96	0.00	0.0	9.337	0.027	7	2	2	2
PL.25186	PL.25264	B	#1/0 ACSR	7.35Y	122.4	0.06	2.58	24.75	11	176	45	97	0.07	0.0	8.134	0.106	0	0	0	28
PL.25319	PL.25186	B	6 A (CWC)	7.34Y	122.4	0.03	2.61	4.07	3	29	7	97	0.01	0.0	8.304	0.169	0	0	1	12
PL.25320	PL.25319	B	6 A (CWC)	7.34Y	122.4	0.02	2.63	4.06	3	29	7	97	0.00	0.0	8.417	0.113	6	1	2	11
PL.25503	PL.25320	B	6 A (CWC)	7.34Y	122.4	0.00	2.63	3.25	2	23	6	97	0.00	0.0	8.422	0.005	0	0	0	9
PD.3459	PL.25503	B	30T	7.34Y	122.4	0.00	2.63	3.25	0	23	6	97	0.00	0.0	8.422	0.005	0	0	0	9
PL.25504	PD.3459	B	6 A (CWC)	7.34Y	122.3	0.03	2.66	3.25	2	23	6	97	0.00	0.0	8.592	0.170	0	0	1	9
PL.25258	PL.25504	B	6 A (CWC)	7.34Y	122.3	0.02	2.68	3.05	2	22	5	98	0.00	0.0	8.740	0.148	0	0	0	7
PL.25189	PL.25258	B	6 A (CWC)	7.34Y	122.3	0.02	2.69	3.05	2	22	5	98	0.00	0.0	8.873	0.133	0	0	0	7
PL.25259	PL.25189	B	6 A (CWC)	7.34Y	122.3	0.01	2.70	2.45	2	17	4	97	0.00	0.0	8.946	0.074	0	0	0	6
PL.25296	PL.25259	B	#2 ACSR	7.34Y	122.3	0.00	2.70	1.29	1	9	2	98	0.00	0.0	8.985	0.039	6	2	1	4
PL.25297	PL.25296	B	#2 ACSR	7.34Y	122.3	0.00	2.70	0.40	0	3	1	95	0.00	0.0	9.017	0.032	3	1	2	2
PL.25190	PL.25296	B	#1/0 ACSR	7.34Y	122.3	0.00	2.70	0.02	0	0	0	100	0.00	0.0	9.016	0.031	0	0	1	1
PL.25260	PL.25259	B	6 A (CWC)	7.34Y	122.3	0.00	2.70	1.16	1	8	2	97	0.00	0.0	8.982	0.036	8	2	2	2
PL.25188	PL.25189	B	6 A (CWC)	7.34Y	122.3	0.00	2.70	0.60	0	4	1	97	0.00	0.0	8.950	0.078	4	1	1	1
PL.25187	PL.25504	B	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.20	0	1	0	100	0.00	0.0	8.665	0.073	1	0	1	1

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.65834	PL.25186	B	#1/0 ACSR	7.34Y	122.4	0.04	2.62	20.20	9	144	37	97	0.03	0.0	8.212	0.078	0	0	0	15
PL.65835	PL.65834	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	20.20	9	144	37	97	0.00	0.0	8.215	0.003	0	0	0	15
PD.3623	PL.65835	B	35L	7.34Y	122.4	0.00	2.62	20.20	58	144	37	97	0.00	0.0	8.215	0.003	0	0	0	15
PL.25686	PD.3623	B	#1/0 ACSR	7.34Y	122.3	0.06	2.68	20.20	9	144	37	97	0.06	0.0	8.347	0.132	0	0	0	15
PL.25270	PL.25686	B	#1/0 ACSR	7.34Y	122.3	0.07	2.74	20.20	9	144	36	97	0.06	0.0	8.491	0.143	0	0	0	15
PL.25317	PL.25270	B	#1/0 ACSR	7.33Y	122.2	0.06	2.80	20.20	9	144	36	97	0.05	0.0	8.614	0.123	2	1	1	15
PL.25318	PL.25317	B	#1/0 ACSR	7.33Y	122.2	0.04	2.84	19.87	9	141	36	97	0.04	0.0	8.701	0.087	0	0	1	14
PL.25309	PL.25318	B	#1/0 ACSR	7.33Y	122.1	0.02	2.86	19.84	9	141	36	97	0.02	0.0	8.751	0.050	0	0	0	13
PL.25649	PL.25309	B	#4 ACSR	7.33Y	122.1	0.00	2.86	0.36	0	3	1	95	0.00	0.0	8.755	0.005	0	0	0	1
PD.3605	PL.25649	B	15T	7.33Y	122.1	0.00	2.86	0.36	0	3	1	95	0.00	0.0	8.755	0.005	0	0	0	1
PL.25650	PD.3605	B	#4 ACSR	7.33Y	122.1	0.00	2.86	0.36	0	3	1	95	0.00	0.0	8.940	0.185	3	1	1	1
PL.24697	PL.25309	B	#1/0 ACSR	7.33Y	122.1	0.05	2.91	19.48	8	138	35	97	0.05	0.0	8.867	0.116	0	0	0	12
PL.25271	PL.24697	B	#1/0 ACSR	7.32Y	122.0	0.04	2.96	19.48	8	138	35	97	0.04	0.0	8.963	0.096	0	0	0	12
PL.25273	PL.25271	B	#1/0 ACSR	7.32Y	122.0	0.05	3.01	19.48	8	138	35	97	0.05	0.0	9.078	0.115	0	0	0	12
PL.25272	PL.25273	B	#1/0 ACSR	7.32Y	121.9	0.06	3.07	19.48	8	138	35	97	0.06	0.0	9.221	0.143	0	0	0	12
PL.25202	PL.25272	B	#1/0 ACSR	7.31Y	121.9	0.03	3.10	19.48	8	138	35	97	0.03	0.0	9.286	0.064	0	0	0	12
PL.25307	PL.25202	B	#1/0 ACSR	7.31Y	121.9	0.02	3.12	19.48	8	138	35	97	0.02	0.0	9.327	0.041	0	0	0	12
PL.25308	PL.25307	B	#1/0 ACSR	7.31Y	121.8	0.07	3.19	19.48	8	138	35	97	0.06	0.0	9.477	0.151	0	0	0	12
PL.25301	PL.25308	B	#1/0 ACSR	7.30Y	121.7	0.08	3.27	19.48	8	138	35	97	0.07	0.1	9.660	0.183	4	1	1	12
PL.25302	PL.25301	B	#1/0 ACSR	7.30Y	121.7	0.03	3.30	18.90	8	134	34	97	0.03	0.0	9.737	0.076	9	2	1	11
PL.25303	PL.25302	B	#1/0 ACSR	7.30Y	121.6	0.08	3.37	17.67	8	125	31	97	0.06	0.1	9.925	0.188	0	0	0	10
PL.25197	PL.25303	B	#4 ACSR	7.30Y	121.6	0.00	3.38	16.50	13	117	29	97	0.00	0.0	9.929	0.005	0	0	0	7
PD.3604	PL.25197	B	15T	7.30Y	121.6	0.00	3.38	16.50	0	117	29	97	0.00	0.0	9.929	0.005	0	0	0	7
PL.25196	PD.3604	B	#1/0 ACSR	7.30Y	121.6	0.00	3.38	0.83	0	6	1	99	0.00	0.0	9.994	0.064	6	1	1	1
PL.25299	PD.3604	B	#4 ACSR	7.29Y	121.6	0.05	3.42	15.67	12	111	28	97	0.04	0.0	10.000	0.071	4	1	1	6
PL.25300	PL.25299	B	#4 ACSR	7.29Y	121.5	0.04	3.47	15.07	12	107	27	97	0.04	0.0	10.065	0.065	0	0	0	5
PL.24698	PL.25300	B	#4 ACSR	7.29Y	121.5	0.04	3.50	5.90	5	42	10	97	0.01	0.0	10.203	0.138	0	0	0	3
PL.25192	PL.24698	B	#1/0 ACSR	7.29Y	121.5	0.03	3.53	5.90	3	42	10	97	0.01	0.0	10.389	0.186	0	0	0	3
PL.25275	PL.25192	B	#1/0 ACSR	7.29Y	121.5	0.01	3.54	5.90	3	42	10	97	0.00	0.0	10.498	0.109	1	0	1	3
PL.25194	PL.25275	B	#1/0 ACSR	7.29Y	121.5	0.01	3.55	5.78	3	41	10	97	0.00	0.0	10.538	0.040	0	0	0	2
PL.25195	PL.25194	B	#1/0 ACSR	7.29Y	121.4	0.01	3.55	5.78	3	41	10	97	0.00	0.0	10.629	0.092	41	10	2	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25193	PL.24698	B	#4 ACSR	7.29Y	121.5	0.00	3.50	0.00	0	0	0	100	0.00	0.0	10.237	0.033	0	0	0	0
PL.25191	PL.25300	B	#4 ACSR	7.29Y	121.5	0.01	3.48	9.17	7	65	16	97	0.00	0.0	10.132	0.067	65	16	2	2
PL.25499	PL.25303	B	#4 ACSR	7.30Y	121.6	0.00	3.37	1.18	1	8	2	97	0.00	0.0	9.930	0.005	0	0	0	3
PD.3457	PL.25499	B	15T	7.30Y	121.6	0.00	3.37	1.18	0	8	2	97	0.00	0.0	9.930	0.005	0	0	0	3
PL.25500	PD.3457	B	#4 ACSR	7.30Y	121.6	0.01	3.38	1.18	1	8	2	97	0.00	0.0	10.039	0.110	0	0	0	3
PL.25274	PL.25500	B	#4 ACSR	7.30Y	121.6	0.00	3.38	1.18	1	8	2	97	0.00	0.0	10.125	0.086	1	0	1	3
PL.25304	PL.25274	B	#4 ACSR	7.30Y	121.6	0.00	3.38	0.23	0	2	0	100	0.00	0.0	10.183	0.057	2	0	1	1
PL.25305	PL.25304	B	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	10.219	0.037	0	0	0	0
PL.25198	PL.25274	B	#4 ACSR	7.30Y	121.6	0.00	3.39	0.79	1	6	1	99	0.00	0.0	10.229	0.104	6	1	1	1
PL.25501	PL.25186	B	#4 ACSR	7.35Y	122.4	0.00	2.58	0.49	0	3	1	95	0.00	0.0	8.139	0.005	0	0	0	1
PD.3458	PL.25501	B	30T	7.35Y	122.4	0.00	2.58	0.49	0	3	1	95	0.00	0.0	8.139	0.005	0	0	0	1
PL.25502	PD.3458	B	#4 ACSR	7.35Y	122.4	0.00	2.58	0.49	0	3	1	95	0.00	0.0	8.187	0.048	3	1	1	1
PL.25505	PL.25256	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.05	0	0	0	100	0.00	0.0	7.771	0.005	0	0	0	2
PD.3460	PL.25505	B	30T	7.35Y	122.6	0.00	2.44	0.05	0	0	0	100	0.00	0.0	7.771	0.005	0	0	0	2
PL.25506	PD.3460	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.05	0	0	0	100	0.00	0.0	7.917	0.145	0	0	0	2
PL.25262	PL.25506	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.05	0	0	0	100	0.00	0.0	8.041	0.124	0	0	0	2
PL.25263	PL.25262	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.05	0	0	0	100	0.00	0.0	8.208	0.167	0	0	2	2
PL.25184	PL.25263	B	#1/0 ACSR	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	8.260	0.052	0	0	0	0
PL.25645	PL.25172	A	#4 ACSR	7.37Y	122.8	0.00	2.24	0.87	1	6	2	95	0.00	0.0	7.146	0.005	0	0	0	1
PD.3602	PL.25645	A	30T	7.37Y	122.8	0.00	2.24	0.87	0	6	2	95	0.00	0.0	7.146	0.005	0	0	0	1
PL.25646	PD.3602	A	#4 ACSR	7.37Y	122.8	0.00	2.24	0.87	1	6	2	95	0.00	0.0	7.182	0.035	6	2	1	1
PL.25507	PL.25172	B	#4 ACSR	7.37Y	122.8	0.00	2.24	0.93	1	7	2	96	0.00	0.0	7.147	0.005	0	0	0	2
PD.3461	PL.25507	B	30T	7.37Y	122.8	0.00	2.24	0.93	0	7	2	96	0.00	0.0	7.147	0.005	0	0	0	2
PL.25508	PD.3461	B	#4 ACSR	7.37Y	122.8	0.00	2.25	0.93	1	7	2	96	0.00	0.0	7.204	0.057	0	0	1	2
PL.25321	PL.25508	B	#4 ACSR	7.37Y	122.8	0.00	2.25	0.88	1	6	2	95	0.00	0.0	7.231	0.028	6	2	1	1
PL.25535	PL.25293	C	#1/0 ACSR	7.37Y	122.8	0.00	2.16	1.72	1	12	3	97	0.00	0.0	6.786	0.005	0	0	0	4
PD.3542	PL.25535	C	30T	7.37Y	122.8	0.00	2.16	1.72	0	12	3	97	0.00	0.0	6.786	0.005	0	0	0	4
PL.25536	PD.3542	C	#1/0 ACSR	7.37Y	122.8	0.00	2.16	1.72	1	12	3	97	0.00	0.0	6.819	0.033	5	1	2	4
PL.25171	PL.25536	C	#2 ACSR	7.37Y	122.8	0.00	2.16	0.96	1	7	2	96	0.00	0.0	6.870	0.051	7	2	2	2
PL.25169	PL.25161	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.12	12.53	5	269	67	97	0.02	0.0	6.634	0.051	0	0	0	51
PL.25252	PL.25169	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.13	9.40	4	202	50	97	0.01	0.0	6.685	0.051	0	0	0	39

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25253	PL.25252	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.14	4.70	2	101	25	97	0.00	0.0	6.728	0.043	0	0	0	20
PL.25543	PL.25253	C	#4 ACSR	7.37Y	122.9	0.00	2.14	10.02	8	72	18	97	0.00	0.0	6.731	0.003	0	0	0	14
PD.3546	PL.25543	C	40T	7.37Y	122.9	0.00	2.14	10.02	0	72	18	97	0.00	0.0	6.731	0.003	0	0	0	14
PL.25544	PD.3546	C	#4 ACSR	7.37Y	122.9	0.00	2.14	10.02	8	72	18	97	0.00	0.0	6.735	0.003	6	1	1	14
PL.25364	PL.25544	C	#4 ACSR	7.37Y	122.9	0.01	2.15	9.21	7	66	16	97	0.00	0.0	6.755	0.020	10	3	3	13
PL.25365	PL.25364	C	#4 ACSR	7.37Y	122.8	0.00	2.15	7.80	6	56	14	97	0.00	0.0	6.770	0.015	32	8	4	10
PL.25366	PL.25365	C	#4 ACSR	7.37Y	122.8	0.00	2.15	3.32	3	24	6	97	0.00	0.0	6.785	0.014	6	1	2	6
PL.25367	PL.25366	C	#4 ACSR	7.37Y	122.8	0.00	2.15	2.53	2	18	5	96	0.00	0.0	6.800	0.015	18	5	4	4
PL.25254	PL.25253	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.14	1.36	1	29	7	97	0.00	0.0	6.749	0.020	0	0	0	6
PL.25545	PL.25254	C	#4 ACSR	7.37Y	122.9	0.00	2.14	2.51	2	18	4	98	0.00	0.0	6.753	0.005	0	0	0	5
PD.3547	PL.25545	C	40T	7.37Y	122.9	0.00	2.14	2.51	0	18	4	98	0.00	0.0	6.753	0.005	0	0	0	5
PL.25546	PD.3547	C	#4 ACSR	7.37Y	122.9	0.00	2.14	2.51	2	18	4	98	0.00	0.0	6.759	0.006	1	0	1	5
PL.25371	PL.25546	C	#4 ACSR	7.37Y	122.9	0.00	2.14	2.37	2	17	4	97	0.00	0.0	6.784	0.025	6	1	1	4
PL.25370	PL.25371	C	#4 ACSR	7.37Y	122.9	0.00	2.14	1.55	1	11	3	96	0.00	0.0	6.799	0.015	1	0	1	3
PL.25369	PL.25370	C	#4 ACSR	7.37Y	122.9	0.00	2.14	1.37	1	10	2	98	0.00	0.0	6.814	0.015	10	2	2	2
PL.25368	PL.25369	C	#4 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	6.834	0.019	0	0	0	0
PL.25641	PL.25254	A	#4 ACSR	7.37Y	122.9	0.00	2.14	1.58	1	11	3	96	0.00	0.0	6.753	0.005	0	0	0	1
PD.3601	PL.25641	A	40T	7.37Y	122.9	0.00	2.14	1.58	0	11	3	96	0.00	0.0	6.753	0.005	0	0	0	1
PL.25642	PD.3601	A	#4 ACSR	7.37Y	122.9	0.00	2.14	1.58	1	11	3	96	0.00	0.0	6.766	0.013	11	3	1	1
PL.25541	PL.25252	B	#4 ACSR	7.37Y	122.9	0.00	2.14	14.09	11	101	25	97	0.00	0.0	6.690	0.005	0	0	0	19
PD.3545	PL.25541	B	40T	7.37Y	122.9	0.00	2.14	14.09	0	101	25	97	0.00	0.0	6.690	0.005	0	0	0	19
PL.25542	PD.3545	B	#4 ACSR	7.37Y	122.9	0.00	2.14	14.09	11	101	25	97	0.00	0.0	6.696	0.006	29	7	4	19
PL.25363	PL.25542	B	#4 ACSR	7.37Y	122.9	0.01	2.14	10.08	8	72	18	97	0.00	0.0	6.709	0.014	20	5	5	15
PL.25362	PL.25363	B	#4 ACSR	7.37Y	122.9	0.00	2.15	7.33	6	52	13	97	0.00	0.0	6.725	0.016	20	5	3	10
PL.25372	PL.25362	B	#4 ACSR	7.37Y	122.8	0.00	2.15	4.48	3	32	8	97	0.00	0.0	6.740	0.014	19	5	4	7
PL.25373	PL.25372	B	#4 ACSR	7.37Y	122.8	0.00	2.15	1.86	1	13	3	97	0.00	0.0	6.750	0.010	13	3	3	3
PL.25657	PL.25169	A	#4 ACSR	7.37Y	122.9	0.00	2.13	8.78	7	63	16	97	0.00	0.0	6.638	0.004	0	0	0	11
PD.3609	PL.25657	A	40T	7.37Y	122.9	0.00	2.13	8.78	0	63	16	97	0.00	0.0	6.638	0.004	0	0	0	11
PL.25658	PD.3609	A	#4 ACSR	7.37Y	122.9	0.00	2.13	8.78	7	63	16	97	0.00	0.0	6.642	0.004	14	4	2	11
PL.25374	PL.25658	A	#4 ACSR	7.37Y	122.9	0.00	2.13	6.79	5	49	12	97	0.00	0.0	6.658	0.016	18	4	3	9
PL.25375	PL.25374	A	#4 ACSR	7.37Y	122.9	0.00	2.13	4.32	3	31	8	97	0.00	0.0	6.673	0.015	18	4	2	6

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25360	PL.25375	A	#4 ACSR	7.37Y	122.9	0.00	2.13	1.88	1	13	3	97	0.00	0.0	6.689	0.016	7	2	2	4
PL.25361	PL.25360	A	#4 ACSR	7.37Y	122.9	0.00	2.13	0.91	1	6	2	95	0.00	0.0	6.706	0.016	6	2	2	2
PL.25639	PL.25169	A	#4 ACSR	7.37Y	122.9	0.00	2.12	0.61	0	4	1	97	0.00	0.0	6.639	0.005	0	0	0	1
PD.3600	PL.25639	A	40T	7.37Y	122.9	0.00	2.12	0.61	0	4	1	97	0.00	0.0	6.639	0.005	0	0	0	1
PL.25640	PD.3600	A	#4 ACSR	7.37Y	122.9	0.00	2.12	0.61	0	4	1	97	0.00	0.0	6.675	0.036	4	1	1	1
PL.25653	PL.25158	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	12.24	9	88	22	97	0.00	0.0	6.203	0.005	0	0	0	99
PD.3607	PL.25653	A	40T	7.39Y	123.1	0.00	1.91	12.24	0	88	22	97	0.00	0.0	6.203	0.005	0	0	0	99
PL.25654	PD.3607	A	6 A (CWC)	7.38Y	123.1	0.02	1.94	12.24	9	88	22	97	0.02	0.0	6.247	0.044	7	2	16	99
PL.25333	PL.25654	A	6 A (CWC)	7.38Y	123.1	0.00	1.94	11.31	8	81	20	97	0.00	0.0	6.249	0.002	14	3	11	83
PL.25159	PL.25333	A	#4 ACSR	7.38Y	123.1	0.00	1.94	1.84	1	13	3	97	0.00	0.0	6.256	0.006	13	3	30	30
PL.25160	PL.25333	A	6 A (CWC)	7.38Y	123.1	0.01	1.95	7.53	5	54	13	97	0.00	0.0	6.285	0.036	0	0	0	42
PL.25156	PL.25160	A	#4 ACSR	7.38Y	123.0	0.01	1.96	4.55	3	33	8	97	0.00	0.0	6.318	0.033	1	0	2	33
PL.25338	PL.25156	A	#4 ACSR	7.38Y	123.0	0.00	1.96	3.66	3	26	7	97	0.00	0.0	6.352	0.034	17	4	26	28
PL.25339	PL.25338	A	#4 ACSR	7.38Y	123.0	0.00	1.96	1.31	1	9	2	98	0.00	0.0	6.387	0.035	8	2	1	2
PL.25332	PL.25339	A	#4 ACSR	7.38Y	123.0	0.00	1.96	0.23	0	2	0	100	0.00	0.0	6.432	0.045	2	0	1	1
PL.25154	PL.25156	A	#4 ACSR	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	6.348	0.029	0	0	0	0
PL.25155	PL.25156	A	#4 ACSR	7.38Y	123.0	0.00	1.96	0.76	1	5	1	98	0.00	0.0	6.342	0.024	5	1	3	3
PL.25330	PL.25160	A	6 A (CWC)	7.38Y	123.0	0.00	1.95	2.98	2	21	5	97	0.00	0.0	6.295	0.010	6	1	2	9
PL.25331	PL.25330	A	6 A (CWC)	7.38Y	123.0	0.01	1.96	2.21	2	16	4	97	0.00	0.0	6.365	0.069	6	1	2	7
PL.25329	PL.25331	A	6 A (CWC)	7.38Y	123.0	0.00	1.96	1.42	1	10	3	96	0.00	0.0	6.431	0.066	7	2	4	5
PL.25167	PL.25329	A	#4 ACSR	7.38Y	123.0	0.00	1.96	0.43	0	3	1	95	0.00	0.0	6.547	0.116	3	1	1	1
PL.25523	PL.25250	A	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.22	1	9	2	98	0.00	0.0	6.135	0.005	0	0	0	5
PD.3469	PL.25523	A	40T	7.39Y	123.1	0.00	1.88	1.22	0	9	2	98	0.00	0.0	6.135	0.005	0	0	0	5
PL.25524	PD.3469	A	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.22	1	9	2	98	0.00	0.0	6.187	0.052	9	2	5	5
PL.25525	PL.24719	A	#4 ACSR	7.39Y	123.1	0.00	1.86	2.85	2	20	5	97	0.00	0.0	6.084	0.005	0	0	0	16
PD.3470	PL.25525	A	40T	7.39Y	123.1	0.00	1.86	2.85	0	20	5	97	0.00	0.0	6.084	0.005	0	0	0	16
PL.25526	PD.3470	A	#4 ACSR	7.39Y	123.1	0.00	1.86	2.85	2	20	5	97	0.00	0.0	6.110	0.026	10	3	10	16
PL.25336	PL.25526	A	#4 ACSR	7.39Y	123.1	0.00	1.86	1.42	1	10	3	96	0.00	0.0	6.192	0.082	10	3	6	6
PL.25337	PL.25336	A	#4 ACSR	7.39Y	123.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	6.231	0.039	0	0	0	0
PL.25531	PL.25342	C	#4 ACSR	7.40Y	123.3	0.00	1.73	9.47	7	68	17	97	0.00	0.0	5.840	0.005	0	0	0	12
PD.3473	PL.25531	C	40T	7.40Y	123.3	0.00	1.73	9.47	0	68	17	97	0.00	0.0	5.840	0.005	0	0	0	12

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25532	PD.3473	C	#4 ACSR	7.39Y	123.2	0.02	1.76	9.47	7	68	17	97	0.01	0.0	5.895	0.055	10	3	3	12
PL.25345	PL.25532	C	#4 ACSR	7.39Y	123.2	0.01	1.76	8.03	6	58	14	97	0.00	0.0	5.919	0.024	10	3	2	9
PL.25346	PL.25345	C	#4 ACSR	7.39Y	123.2	0.01	1.77	6.60	5	47	12	97	0.00	0.0	5.957	0.038	24	6	4	7
PL.25344	PL.25346	C	#4 ACSR	7.39Y	123.2	0.00	1.77	3.32	3	24	6	97	0.00	0.0	5.983	0.025	24	6	3	3
PL.25655	PL.25246	A	#4 ACSR	7.40Y	123.3	0.00	1.68	2.15	2	15	4	97	0.00	0.0	5.752	0.005	0	0	0	5
PD.3608	PL.25655	A	40T	7.40Y	123.3	0.00	1.68	2.15	0	15	4	97	0.00	0.0	5.752	0.005	0	0	0	5
PL.25656	PD.3608	A	#4 ACSR	7.40Y	123.3	0.00	1.69	2.15	2	15	4	97	0.00	0.0	5.767	0.015	15	4	5	5
PL.25101	PL.25102	B	6 A (CWC)	7.42Y	123.7	0.01	1.30	3.18	2	23	6	97	0.00	0.0	5.363	0.065	0	0	0	4
PL.25099	PL.25101	B	#2 ACSR	7.42Y	123.7	0.00	1.30	3.18	2	23	6	97	0.00	0.0	5.367	0.005	0	0	0	4
PD.3560	PL.25099	B	40T	7.42Y	123.7	0.00	1.30	3.18	0	23	6	97	0.00	0.0	5.367	0.005	0	0	0	4
PL.24700	PD.3560	B	#2 ACSR	7.42Y	123.7	0.00	1.30	1.22	1	9	2	98	0.00	0.0	5.508	0.141	9	2	1	1
PL.25098	PD.3560	B	#2 ACSR	7.42Y	123.7	0.00	1.30	0.67	0	5	1	98	0.00	0.0	5.384	0.017	5	1	1	1
PL.25100	PD.3560	B	#2 ACSR	7.42Y	123.7	0.00	1.30	1.29	1	9	2	98	0.00	0.0	5.400	0.033	9	2	2	2
PL.25243	PL.25430	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.15	0.62	0	13	3	97	0.00	0.0	5.212	0.065	0	0	0	2
PL.24731	PL.25243	C	#4 ACSR	7.43Y	123.9	0.00	1.15	1.87	1	13	3	97	0.00	0.0	5.216	0.005	0	0	0	2
PD.3564	PL.24731	C	40T	7.43Y	123.9	0.00	1.15	1.87	0	13	3	97	0.00	0.0	5.216	0.005	0	0	0	2
PL.24732	PD.3564	C	#4 ACSR	7.43Y	123.8	0.01	1.16	1.87	1	13	3	97	0.00	0.0	5.384	0.167	0	0	0	2
PL.25431	PL.24732	C	#4 ACSR	7.43Y	123.8	0.00	1.16	1.87	1	13	3	97	0.00	0.0	5.412	0.028	6	2	1	2
PL.25432	PL.25431	C	#4 ACSR	7.43Y	123.8	0.00	1.16	1.02	1	7	2	96	0.00	0.0	5.437	0.025	7	2	1	1
CP.37	PL.25697	ABC	Cap (300)	7.45Y	124.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	4.715	0.025	0	0	0	0
PL.25418	PL.25216	A	6 A (CWC)	7.47Y	124.4	0.02	0.57	10.10	7	73	18	97	0.01	0.0	4.539	0.049	9	2	2	16
PL.25627	PL.25418	A	6 A (CWC)	7.47Y	124.4	0.00	0.57	8.87	6	64	16	97	0.00	0.0	4.543	0.005	0	0	0	14
PD.3594	PL.25627	A	65T	7.47Y	124.4	0.00	0.57	8.87	0	64	16	97	0.00	0.0	4.543	0.005	0	0	0	14
PL.25628	PD.3594	A	6 A (CWC)	7.46Y	124.4	0.02	0.59	8.87	6	64	16	97	0.01	0.0	4.590	0.047	0	0	0	14
PL.25428	PL.25628	A	#1/0 ACSR	7.46Y	124.4	0.00	0.59	0.86	0	6	2	95	0.00	0.0	4.649	0.059	4	1	1	2
PL.25429	PL.25428	A	#1/0 ACSR	7.46Y	124.4	0.00	0.59	0.26	0	2	0	100	0.00	0.0	4.675	0.025	2	0	1	1
PL.25218	PL.25628	A	6 A (CWC)	7.46Y	124.4	0.04	0.63	8.00	6	58	14	97	0.02	0.0	4.689	0.099	0	0	0	12
PL.25138	PL.25218	A	6 A (CWC)	7.46Y	124.4	0.00	0.63	1.33	1	10	2	98	0.00	0.0	4.777	0.088	10	2	2	2
PL.25137	PL.25218	A	#1/0 ACSR	7.46Y	124.4	0.00	0.63	0.67	0	5	1	98	0.00	0.0	4.720	0.030	5	1	1	1
PL.25290	PL.25218	A	6 A (CWC)	7.46Y	124.4	0.00	0.63	0.32	0	2	1	89	0.00	0.0	4.720	0.030	0	0	0	1
PL.25291	PL.25290	A	6 A (CWC)	7.46Y	124.4	0.00	0.63	0.32	0	2	1	89	0.00	0.0	4.813	0.094	2	1	1	1

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25420	PL.25218	A	6 A (CWC)	7.46Y	124.4	0.00	0.63	5.68	4	41	10	97	0.00	0.0	4.709	0.019	11	3	1	8
PL.25421	PL.25420	A	6 A (CWC)	7.46Y	124.4	0.01	0.64	4.17	3	30	8	97	0.00	0.0	4.760	0.051	4	1	2	7
PL.25139	PL.25421	A	6 A (CWC)	7.46Y	124.3	0.02	0.66	3.13	2	23	6	97	0.00	0.0	4.900	0.140	0	0	0	4
PL.24710	PL.25139	A	6 A (CWC)	7.46Y	124.3	0.01	0.67	3.13	2	23	6	97	0.00	0.0	4.968	0.068	0	0	0	4
PL.25435	PL.24710	A	6 A (CWC)	7.46Y	124.3	0.00	0.67	1.96	1	14	4	96	0.00	0.0	4.995	0.027	7	2	1	2
PL.25436	PL.25435	A	6 A (CWC)	7.46Y	124.3	0.00	0.67	1.00	1	7	2	96	0.00	0.0	5.052	0.057	7	2	1	1
PL.25433	PL.24710	A	6 A (CWC)	7.46Y	124.3	0.00	0.67	1.17	1	8	2	97	0.00	0.0	5.127	0.158	8	2	1	2
PL.25434	PL.25433	A	6 A (CWC)	7.46Y	124.3	0.00	0.68	0.02	0	0	0	100	0.00	0.0	5.280	0.153	0	0	0	1
PL.24711	PL.25434	A	6 A (CWC)	7.46Y	124.3	0.00	0.68	0.02	0	0	0	100	0.00	0.0	5.360	0.080	0	0	0	1
PL.24733	PL.24711	A	1/0 AL URD	7.46Y	124.3	0.00	0.68	0.02	0	0	0	100	0.00	0.0	5.365	0.005	0	0	0	1
PD.3565	PL.24733	A	40T	7.46Y	124.3	0.00	0.68	0.02	0	0	0	100	0.00	0.0	5.365	0.005	0	0	0	1
PL.25575	PD.3565	A	1/0 AL URD	7.46Y	124.3	0.00	0.68	0.02	0	0	0	100	0.00	0.0	5.452	0.088	0	0	0	1
PD.3569	PL.25575	A	25T	7.46Y	124.3	0.00	0.68	0.02	0	0	0	100	0.00	0.0	5.452	0.088	0	0	0	1
PL.25576	PD.3569	A	1/0 AL URD	7.46Y	124.3	0.00	0.68	0.02	0	0	0	100	0.00	0.0	5.457	0.005	0	0	1	1
PL.25140	PL.25576	A	#1/0 ACSR	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	5.481	0.024	0	0	0	0
PL.25219	PL.25421	A	6 A (CWC)	7.46Y	124.4	0.00	0.64	0.56	0	4	1	97	0.00	0.0	4.808	0.048	4	1	1	1
PL.25665	PL.25133	ABC	#4 ACSR	7.49Y	124.8	0.00	0.24	0.38	0	8	4	89	0.00	0.0	4.312	0.005	0	0	0	1
PD.3613	PL.25665	ABC	65T	7.49Y	124.8	0.00	0.24	0.38	0	8	4	89	0.00	0.0	4.312	0.005	0	0	0	1
PL.25666	PD.3613	ABC	#4 ACSR	7.49Y	124.8	0.00	0.24	0.38	0	8	4	89	0.00	0.0	4.362	0.050	0	0	0	1
PL.25134	PL.25666	ABC	#4 ACSR	7.49Y	124.8	0.00	0.24	0.38	0	8	4	89	0.00	0.0	4.364	0.002	8	4	1	1
PL.25661	PL.25427	ABC	1/0 AL URD	7.51Y	125.1	0.00	-0.13	15.05	9	305	148	90	0.00	0.0	4.093	0.005	0	0	0	1
PD.3611	PL.25661	ABC	65T	7.51Y	125.1	0.00	-0.13	15.05	0	305	148	90	0.00	0.0	4.093	0.005	0	0	0	1
PL.25662	PD.3611	ABC	1/0 AL URD	7.51Y	125.1	0.03	-0.10	15.05	9	305	148	90	0.04	0.0	4.265	0.172	305	148	1	1
PL.25621	PL.25121	A	6 A (CWC)	7.26Y	121.0	0.00	4.05	4.76	3	34	8	97	0.00	0.0	2.689	0.005	0	0	0	13
PD.3591	PL.25621	A	65T	7.26Y	121.0	0.00	4.05	4.76	0	34	8	97	0.00	0.0	2.689	0.005	0	0	0	13
PL.25622	PD.3591	A	6 A (CWC)	7.26Y	120.9	0.01	4.05	4.76	3	34	8	97	0.00	0.0	2.716	0.027	1	0	1	13
PL.25444	PL.25622	A	6 A (CWC)	7.26Y	120.9	0.03	4.08	4.56	3	32	8	97	0.01	0.0	2.861	0.145	2	0	1	12
PL.25443	PL.25444	A	6 A (CWC)	7.25Y	120.9	0.01	4.09	4.32	3	30	8	97	0.00	0.0	2.888	0.026	0	0	1	11
PL.25124	PL.25443	A	#4 ACSR	7.25Y	120.9	0.00	4.09	0.24	0	2	0	100	0.00	0.0	2.930	0.043	2	0	1	1
PL.25441	PL.25443	A	6 A (CWC)	7.25Y	120.9	0.02	4.11	4.06	3	29	7	97	0.00	0.0	2.999	0.111	0	0	0	9
PL.25442	PL.25441	A	6 A (CWC)	7.25Y	120.9	0.01	4.12	4.06	3	29	7	97	0.00	0.0	3.043	0.044	0	0	0	9

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25125	PL.25442	A	#4 ACSR	7.25Y	120.9	0.00	4.12	4.06	3	29	7	97	0.00	0.0	3.064	0.021	0	0	0	9
PL.25439	PL.25125	A	#4 ACSR	7.25Y	120.9	0.01	4.13	3.63	3	26	6	97	0.00	0.0	3.131	0.066	10	2	2	8
PL.25440	PL.25439	A	#4 ACSR	7.25Y	120.9	0.01	4.13	2.26	2	16	4	97	0.00	0.0	3.188	0.057	2	1	2	6
PL.25437	PL.25440	A	#4 ACSR	7.25Y	120.9	0.00	4.14	1.92	1	14	3	98	0.00	0.0	3.209	0.022	4	1	2	4
PL.25438	PL.25437	A	#4 ACSR	7.25Y	120.9	0.00	4.14	1.39	1	10	2	98	0.00	0.0	3.244	0.035	0	0	0	2
PL.25127	PL.25438	A	#2 ACSR	7.25Y	120.9	0.00	4.14	0.81	0	6	1	99	0.00	0.0	3.297	0.053	0	0	0	1
PL.24734	PL.25127	A	1/0 AL URD	7.25Y	120.9	0.00	4.14	0.81	0	6	1	99	0.00	0.0	3.302	0.005	0	0	0	1
PD.3566	PL.24734	A	40T	7.25Y	120.9	0.00	4.14	0.81	0	6	1	99	0.00	0.0	3.302	0.005	0	0	0	1
PL.25570	PD.3566	A	1/0 AL URD	7.25Y	120.9	0.00	4.14	0.81	0	6	1	99	0.00	0.0	3.391	0.089	6	1	1	1
PL.25214	PL.25438	A	#4 ACSR	7.25Y	120.9	0.00	4.14	0.58	0	4	1	97	0.00	0.0	3.271	0.027	4	1	1	1
PL.25126	PL.25125	A	#4 ACSR	7.25Y	120.9	0.00	4.12	0.43	0	3	1	95	0.00	0.0	3.262	0.197	0	0	0	1
PL.24703	PL.25126	A	#4 ACSR	7.25Y	120.9	0.00	4.13	0.43	0	3	1	95	0.00	0.0	3.428	0.166	0	0	0	1
PL.24704	PL.24703	A	#4 ACSR	7.25Y	120.9	0.00	4.13	0.43	0	3	1	95	0.00	0.0	3.463	0.036	3	1	1	1
PL.25577	PL.25680	B	6 A (CWC)	7.28Y	121.4	0.00	3.59	1.87	1	13	3	97	0.00	0.0	2.502	0.035	0	0	0	2
PD.3570	PL.25577	B	65T	7.28Y	121.4	0.00	3.59	1.87	0	13	3	97	0.00	0.0	2.502	0.035	0	0	0	2
PL.25578	PD.3570	B	6 A (CWC)	7.28Y	121.4	0.00	3.59	1.87	1	13	3	97	0.00	0.0	2.519	0.017	13	3	2	2
PL.25581	PL.25200	A	6 A (CWC)	7.29Y	121.6	0.00	3.43	0.41	0	3	1	95	0.00	0.0	2.352	0.005	0	0	0	1
PD.3572	PL.25581	A	65T	7.29Y	121.6	0.00	3.43	0.41	0	3	1	95	0.00	0.0	2.352	0.005	0	0	0	1
PL.25582	PD.3572	A	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.41	0	3	1	95	0.00	0.0	2.396	0.043	3	1	1	1
PL.25585	PL.25210	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	2.92	2	21	5	97	0.00	0.0	2.228	0.005	0	0	0	3
PD.3574	PL.25585	A	65T	7.30Y	121.7	0.00	3.27	2.92	0	21	5	97	0.00	0.0	2.228	0.005	0	0	0	3
PL.25586	PD.3574	A	6 A (CWC)	7.30Y	121.7	0.00	3.28	2.92	2	21	5	97	0.00	0.0	2.251	0.022	21	5	3	3
PL.25589	PL.25209	C	6 A (CWC)	7.31Y	121.8	0.00	3.17	21.05	15	149	37	97	0.01	0.0	2.147	0.005	0	0	0	25
PD.3576	PL.25589	C	65T	7.31Y	121.8	0.00	3.17	21.05	0	149	37	97	0.00	0.0	2.147	0.005	0	0	0	25
PL.25590	PD.3576	C	6 A (CWC)	7.31Y	121.8	0.06	3.23	21.05	15	149	37	97	0.07	0.0	2.214	0.067	16	4	2	25
PL.25449	PL.25590	C	6 A (CWC)	7.30Y	121.7	0.04	3.27	18.84	13	134	33	97	0.04	0.0	2.264	0.049	1	0	1	23
PL.25450	PL.25449	C	6 A (CWC)	7.30Y	121.7	0.06	3.34	18.68	13	132	33	97	0.06	0.0	2.341	0.077	6	1	1	22
PL.25451	PL.25450	C	6 A (CWC)	7.30Y	121.6	0.04	3.38	17.86	13	127	32	97	0.04	0.0	2.388	0.048	0	0	0	21
PL.25117	PL.25451	C	6 A (CWC)	7.30Y	121.6	0.00	3.38	1.28	1	9	2	98	0.00	0.0	2.427	0.038	9	2	2	2
PL.25466	PL.25117	C	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	2.529	0.102	0	0	0	0
PL.25467	PL.25466	C	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	2.610	0.082	0	0	0	0

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25118	PL.25451	C	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.36	0	3	1	95	0.00	0.0	2.460	0.072	3	1	1	1
PL.25462	PL.25451	C	6 A (CWC)	7.30Y	121.6	0.01	3.39	5.92	4	42	10	97	0.00	0.0	2.455	0.067	21	5	4	8
PL.25464	PL.25462	C	6 A (CWC)	7.30Y	121.6	0.01	3.40	2.98	2	21	5	97	0.00	0.0	2.521	0.066	3	1	1	4
PL.25465	PL.25464	C	6 A (CWC)	7.30Y	121.6	0.01	3.40	2.59	2	18	5	96	0.00	0.0	2.594	0.073	8	2	1	3
PL.25463	PL.25465	C	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.50	1	11	3	96	0.00	0.0	2.636	0.042	1	0	1	2
PL.25119	PL.25463	C	#4 ACSR	7.30Y	121.6	0.00	3.41	1.30	1	9	2	98	0.00	0.0	2.712	0.075	9	2	1	1
PL.25116	PL.25451	C	#4 ACSR	7.30Y	121.6	0.04	3.42	10.30	8	73	18	97	0.02	0.0	2.487	0.099	18	4	2	10
PL.25453	PL.25116	C	#4 ACSR	7.29Y	121.6	0.01	3.42	7.76	6	55	14	97	0.00	0.0	2.515	0.028	8	2	1	8
PL.25454	PL.25453	C	#4 ACSR	7.29Y	121.6	0.01	3.44	6.60	5	47	12	97	0.00	0.0	2.569	0.054	27	7	4	7
PL.25452	PL.25454	C	#4 ACSR	7.29Y	121.6	0.00	3.44	2.73	2	19	5	97	0.00	0.0	2.632	0.063	19	5	3	3
PL.25591	PL.25208	A	#1/0 ACSR	7.32Y	122.0	0.00	3.02	7.03	3	50	12	97	0.00	0.0	2.040	0.005	0	0	0	11
PD.3577	PL.25591	A	65T	7.32Y	122.0	0.00	3.02	7.03	0	50	12	97	0.00	0.0	2.040	0.005	0	0	0	11
PL.25592	PD.3577	A	#1/0 ACSR	7.32Y	122.0	0.01	3.03	7.03	3	50	12	97	0.00	0.0	2.093	0.053	0	0	0	11
PL.25114	PL.25592	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	2.28	1	16	4	97	0.00	0.0	2.145	0.052	16	4	3	3
PL.25455	PL.25592	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	4.75	2	34	8	97	0.00	0.0	2.137	0.044	7	2	1	8
PL.25456	PL.25455	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	3.74	2	27	7	97	0.00	0.0	2.185	0.048	0	0	0	7
PL.25446	PL.25456	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	2.32	1	16	4	97	0.00	0.0	2.268	0.083	6	1	1	5
PL.25447	PL.25446	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.50	1	11	3	96	0.00	0.0	2.282	0.014	6	1	3	4
PL.25448	PL.25447	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.69	0	5	1	98	0.00	0.0	2.304	0.021	0	0	0	1
PL.25583	PL.25448	A	1/0 AL URD	7.32Y	122.0	0.00	3.04	0.69	0	5	1	98	0.00	0.0	2.308	0.005	0	0	0	1
PD.3573	PL.25583	A	40T	7.32Y	122.0	0.00	3.04	0.69	0	5	1	98	0.00	0.0	2.308	0.005	0	0	0	1
PL.25584	PD.3573	A	1/0 AL URD	7.32Y	122.0	0.00	3.04	0.69	0	5	1	98	0.00	0.0	2.407	0.099	5	1	1	1
PL.25115	PL.25456	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.43	1	10	3	96	0.00	0.0	2.197	0.012	10	3	2	2
PL.25593	PL.25111	C	#4 ACSR	7.32Y	122.1	0.00	2.93	2.11	2	15	4	97	0.00	0.0	1.974	0.005	0	0	0	4
PD.3578	PL.25593	C	65T	7.32Y	122.1	0.00	2.93	2.11	0	15	4	97	0.00	0.0	1.974	0.005	0	0	0	4
PL.25594	PD.3578	C	#4 ACSR	7.32Y	122.1	0.00	2.93	2.11	2	15	4	97	0.00	0.0	1.990	0.016	11	3	3	4
PL.25113	PL.25594	C	#1/0 ACSR	7.32Y	122.1	0.00	2.93	0.57	0	4	1	97	0.00	0.0	2.046	0.056	4	1	1	1
PL.25112	PL.25110	B	#2 ACSR	7.33Y	122.2	0.00	2.83	1.40	1	10	2	98	0.00	0.0	1.909	0.007	10	2	2	2
PL.25603	PL.25606	C	1/0 AL URD	7.39Y	123.1	0.00	1.89	0.03	0	0	0	100	0.00	0.0	1.256	0.005	0	0	0	1
PD.3583	PL.25603	C	65T	7.39Y	123.1	0.00	1.89	0.03	0	0	0	100	0.00	0.0	1.256	0.005	0	0	0	1
PL.25604	PD.3583	C	1/0 AL URD	7.39Y	123.1	0.00	1.89	0.03	0	0	0	100	0.00	0.0	1.279	0.023	0	0	1	1

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.25607	PL.25481	A	#1/0 ACSR	7.40Y	123.3	0.00	1.74	2.42	1	17	4	97	0.00	0.0	1.180	0.032	0	0	0	1
PD.3584	PL.25607	A	65T	7.40Y	123.3	0.00	1.74	2.42	0	17	4	97	0.00	0.0	1.180	0.032	0	0	0	1
PL.25608	PD.3584	A	#1/0 ACSR	7.40Y	123.3	0.00	1.74	2.42	1	17	4	97	0.00	0.0	1.223	0.042	17	4	1	1
PL.25611	PL.25298	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.86	1	6	2	95	0.00	0.0	0.868	0.005	0	0	0	1
PD.3586	PL.25611	A	65T	7.42Y	123.7	0.00	1.31	0.86	0	6	2	95	0.00	0.0	0.868	0.005	0	0	0	1
PL.25612	PD.3586	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.86	1	6	2	95	0.00	0.0	0.905	0.038	6	2	1	1
PL.25615	PL.25490	C	6 A (CWC)	7.47Y	124.5	0.00	0.53	2.13	2	15	4	97	0.00	0.0	0.351	0.004	0	0	0	3
PD.3588	PL.25615	C	65T	7.47Y	124.5	0.00	0.53	2.13	0	15	4	97	0.00	0.0	0.351	0.004	0	0	0	3
PL.25616	PD.3588	C	6 A (CWC)	7.47Y	124.5	0.00	0.53	2.13	2	15	4	97	0.00	0.0	0.391	0.040	7	2	1	3
PL.25488	PL.25616	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	1.11	1	8	2	97	0.00	0.0	0.453	0.062	1	0	1	2
PL.25009	PL.25488	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.95	1	7	2	96	0.00	0.0	0.549	0.096	7	2	1	1
PL.28493	Rice Station	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	179.29	35	3884	1090	96	0.22	0.0	0.008	0.008	0	0	0	839
PL.33030	PL.28493	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	179.29	35	3884	1090	96	0.04	0.0	0.010	0.002	0	0	0	839

----- Feeder No. 3 (Winston F3) Beginning with Device PD.4872 -----

PD.4872	PL.33030	ABC	380VWE	7.50Y	125.0	0.00	0.01	179.29	0	3884	1090	96	0.00	0.0	0.010	0.002	0	0	0	839
PL.33031	PD.4872	ABC	336 MCM AC	7.49Y	124.9	0.12	0.13	179.29	35	3884	1090	96	2.36	0.1	0.097	0.087	0	0	0	839
PL.28011	PL.33031	B	6 A (CWC)	7.49Y	124.8	0.06	0.19	23.45	17	170	43	97	0.08	0.0	0.153	0.056	0	0	1	47
PL.28012	PL.28011	B	6 A (CWC)	7.49Y	124.8	0.00	0.19	23.45	17	170	43	97	0.01	0.0	0.157	0.004	0	0	0	46
PD.3875	PL.28012	B	40T	7.49Y	124.8	0.00	0.19	23.45	0	170	43	97	0.00	0.0	0.157	0.004	0	0	0	46
PL.28292	PD.3875	B	6 A (CWC)	7.48Y	124.7	0.07	0.27	21.68	15	157	39	97	0.08	0.1	0.232	0.075	8	2	3	45
PL.28549	PL.28292	B	6 A (CWC)	7.48Y	124.7	0.05	0.31	20.03	14	145	36	97	0.05	0.0	0.286	0.054	21	5	5	40
PL.28550	PL.28549	B	6 A (CWC)	7.48Y	124.6	0.04	0.35	17.12	12	124	31	97	0.04	0.0	0.340	0.054	13	3	3	35
PL.28548	PL.28550	B	6 A (CWC)	7.48Y	124.6	0.06	0.41	15.32	11	111	28	97	0.04	0.0	0.427	0.086	17	4	3	31
PL.28551	PL.28548	B	6 A (CWC)	7.47Y	124.6	0.03	0.43	12.97	9	94	23	97	0.02	0.0	0.473	0.046	1	0	1	28
PL.28552	PL.28551	B	6 A (CWC)	7.47Y	124.5	0.04	0.47	12.88	9	93	23	97	0.02	0.0	0.535	0.063	6	2	1	27
PL.28547	PL.28552	B	6 A (CWC)	7.47Y	124.5	0.02	0.48	12.01	9	87	22	97	0.01	0.0	0.569	0.033	20	5	4	26
PL.28545	PL.28547	B	6 A (CWC)	7.47Y	124.5	0.05	0.53	7.04	5	51	13	97	0.02	0.0	0.741	0.172	18	5	2	14
PL.28546	PL.28545	B	6 A (CWC)	7.47Y	124.5	0.01	0.54	4.52	3	33	8	97	0.00	0.0	0.791	0.050	7	2	3	12
PL.28019	PL.28546	B	6 A (CWC)	7.47Y	124.5	0.00	0.54	1.51	1	11	3	96	0.00	0.0	0.855	0.064	11	3	6	6

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28016	PL.28546	B	6 A (CWC)	7.47Y	124.5	0.01	0.55	2.02	1	15	4	97	0.00	0.0	0.894	0.103	4	1	2	3
PL.28020	PL.28016	B	#4 ACSR	7.47Y	124.5	0.00	0.55	1.42	1	10	3	96	0.00	0.0	0.934	0.040	10	3	1	1
PL.28017	PL.28547	B	#4 ACSR	7.47Y	124.5	0.01	0.49	2.16	2	16	4	97	0.00	0.0	0.641	0.072	6	1	4	8
PL.28018	PL.28017	B	6 A (CWC)	7.47Y	124.5	0.00	0.49	0.02	0	0	0	100	0.00	0.0	0.785	0.144	0	0	1	1
PL.28299	PL.28017	B	#4 ACSR	7.47Y	124.5	0.00	0.49	1.31	1	10	2	98	0.00	0.0	0.717	0.076	10	2	3	3
PL.28015	PL.28550	B	#4 ACSR	7.48Y	124.6	0.00	0.35	0.04	0	0	0	100	0.00	0.0	0.381	0.041	0	0	1	1
PL.28014	PL.28292	B	#4 ACSR	7.48Y	124.7	0.00	0.27	0.51	0	4	1	97	0.00	0.0	0.255	0.023	4	1	2	2
PL.28013	PD.3875	B	6 A (CWC)	7.49Y	124.8	0.00	0.19	1.77	1	13	3	97	0.00	0.0	0.170	0.013	13	3	1	1
PL.28298	PL.33031	ABC	336 MCM AC	7.48Y	124.7	0.14	0.27	171.48	33	3711	1042	96	2.67	0.1	0.205	0.108	0	0	0	792
PL.28429	PL.28298	ABC	336 MCM AC	7.47Y	124.6	0.16	0.42	171.48	33	3708	1035	96	3.06	0.1	0.328	0.123	0	0	0	792
PL.28430	PL.28429	ABC	336 MCM AC	7.46Y	124.4	0.18	0.60	171.48	33	3705	1028	96	3.48	0.1	0.468	0.140	0	0	0	792
PL.28431	PL.28430	ABC	336 MCM AC	7.46Y	124.3	0.14	0.75	171.48	33	3702	1020	96	2.82	0.1	0.582	0.114	0	0	0	792
PL.28432	PL.28431	ABC	336 MCM AC	7.45Y	124.1	0.14	0.89	171.48	33	3699	1013	96	2.75	0.1	0.693	0.111	5	1	1	792
PL.28853	PL.28432	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.51	0	4	1	97	0.00	0.0	0.698	0.005	0	0	0	1
PD.3886	PL.28853	A	65T	7.45Y	124.1	0.00	0.89	0.51	0	4	1	97	0.00	0.0	0.698	0.005	0	0	0	1
PL.28854	PD.3886	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.51	0	4	1	97	0.00	0.0	0.736	0.039	4	1	1	1
PL.28589	PL.28432	ABC	336 MCM AC	7.44Y	124.0	0.07	0.96	171.09	33	3688	1005	96	1.44	0.0	0.752	0.059	7	2	1	790
PL.28590	PL.28589	ABC	336 MCM AC	7.44Y	123.9	0.09	1.06	170.79	33	3680	1000	97	1.83	0.0	0.826	0.074	4	1	1	789
PL.28300	PL.28590	ABC	336 MCM AC	7.43Y	123.8	0.15	1.21	169.01	33	3639	986	97	2.96	0.1	0.949	0.123	2	1	2	780
PL.28025	PL.28300	ABC	336 MCM AC	7.42Y	123.7	0.06	1.27	137.54	27	2956	808	96	0.91	0.0	1.007	0.057	0	0	0	649
PL.28897	PL.28025	C	#4 ACSR	7.42Y	123.7	0.00	1.27	1.60	1	11	3	96	0.00	0.0	1.011	0.005	0	0	0	1
PD.3910	PL.28897	C	10T	7.42Y	123.7	0.00	1.27	1.60	0	11	3	96	0.00	0.0	1.011	0.005	0	0	0	1
PL.28898	PD.3910	C	#4 ACSR	7.42Y	123.7	0.00	1.27	1.60	1	11	3	96	0.00	0.0	1.061	0.050	11	3	1	1
PL.28048	PL.28025	ABC	336 MCM AC	7.42Y	123.6	0.11	1.38	137.01	26	2944	803	96	1.77	0.1	1.119	0.112	3	1	1	648
PL.28310	PL.28048	ABC	336 MCM AC	7.41Y	123.5	0.09	1.47	135.92	26	2918	793	97	1.46	0.0	1.212	0.094	6	1	1	645
PL.28893	PL.28310	A	#2 ACSR	7.41Y	123.5	0.00	1.47	1.07	1	8	2	97	0.00	0.0	1.216	0.004	0	0	0	2
PD.3908	PL.28893	A	65T	7.41Y	123.5	0.00	1.47	1.07	0	8	2	97	0.00	0.0	1.216	0.004	0	0	0	2
PL.28894	PD.3908	A	#2 ACSR	7.41Y	123.5	0.00	1.48	1.07	1	8	2	97	0.00	0.0	1.343	0.127	4	1	1	2
PL.28619	PL.28894	A	#2 ACSR	7.41Y	123.5	0.00	1.48	0.57	0	4	1	97	0.00	0.0	1.450	0.107	4	1	1	1
PL.28620	PL.28310	ABC	336 MCM AC	7.41Y	123.5	0.06	1.53	135.29	26	2903	787	97	0.86	0.0	1.268	0.056	1	0	1	642
PL.28621	PL.28620	ABC	336 MCM AC	7.40Y	123.4	0.06	1.59	135.24	26	2901	784	97	0.91	0.0	1.327	0.059	0	0	1	641

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28618	PL.28621	ABC	336 MCM AC	7.40Y	123.4	0.02	1.61	135.24	26	2901	782	97	0.28	0.0	1.345	0.018	0	0	0	640
PL.28891	PL.28618	A	#2 ACSR	7.40Y	123.4	0.00	1.61	0.20	0	1	0	100	0.00	0.0	1.350	0.005	0	0	0	1
PD.3907	PL.28891	A	65T	7.40Y	123.4	0.00	1.61	0.20	0	1	0	100	0.00	0.0	1.350	0.005	0	0	0	1
PL.28892	PD.3907	A	#2 ACSR	7.40Y	123.4	0.00	1.61	0.20	0	1	0	100	0.00	0.0	1.410	0.060	1	0	1	1
PL.28049	PL.28618	ABC	336 MCM AC	7.40Y	123.4	0.01	1.62	135.17	26	2899	781	97	0.13	0.0	1.353	0.008	0	0	0	639
PL.28311	PL.28049	ABC	336 MCM AC	7.39Y	123.2	0.15	1.77	134.04	26	2874	775	97	2.38	0.1	1.510	0.157	0	0	0	633
PL.28053	PL.28311	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.80	76.38	33	1636	442	97	0.29	0.0	1.529	0.019	0	0	0	360
PL.29115	PL.28053	ABC	#1/0 ACSR	7.39Y	123.1	0.07	1.87	76.37	33	1635	441	97	0.82	0.0	1.582	0.052	0	0	0	359
PL.29116	PL.29115	ABC	#1/0 ACSR	7.38Y	123.1	0.05	1.92	76.37	33	1634	441	97	0.59	0.0	1.620	0.038	0	0	0	359
PL.29067	PL.29116	C	#2 ACSR	7.38Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	1.624	0.004	0	0	0	1
PD.3976	PL.29067	C	30T	7.38Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	1.624	0.004	0	0	0	1
PL.29068	PD.3976	C	#2 ACSR	7.38Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	1.644	0.020	0	0	1	1
PL.28881	PL.29116	A	#2 ACSR	7.38Y	123.1	0.00	1.92	0.74	0	5	1	98	0.00	0.0	1.624	0.004	0	0	0	2
PD.3901	PL.28881	A	30T	7.38Y	123.1	0.00	1.92	0.74	0	5	1	98	0.00	0.0	1.624	0.004	0	0	0	2
PL.28882	PD.3901	A	#2 ACSR	7.38Y	123.1	0.00	1.92	0.74	0	5	1	98	0.00	0.0	1.650	0.026	5	1	2	2
PL.28348	PL.29116	ABC	#1/0 ACSR	7.38Y	123.0	0.08	2.00	76.12	33	1628	439	97	0.91	0.1	1.679	0.059	0	0	0	356
PL.28879	PL.28348	C	#1/0 ACSR	7.38Y	123.0	0.00	2.00	0.77	0	5	1	98	0.00	0.0	1.683	0.005	0	0	0	1
PD.3900	PL.28879	C	30T	7.38Y	123.0	0.00	2.00	0.77	0	5	1	98	0.00	0.0	1.683	0.005	0	0	0	1
PL.28880	PD.3900	C	#1/0 ACSR	7.38Y	123.0	0.00	2.00	0.77	0	5	1	98	0.00	0.0	1.694	0.011	5	1	1	1
PL.28349	PL.28348	ABC	#1/0 ACSR	7.37Y	122.8	0.18	2.18	75.86	33	1622	437	97	2.00	0.1	1.809	0.131	4	1	1	355
PL.28877	PL.28349	C	#4 ACSR	7.37Y	122.8	0.00	2.18	0.40	0	3	1	95	0.00	0.0	1.814	0.005	0	0	0	2
PD.3899	PL.28877	C	30T	7.37Y	122.8	0.00	2.18	0.40	0	3	1	95	0.00	0.0	1.814	0.005	0	0	0	2
PL.28878	PD.3899	C	#4 ACSR	7.37Y	122.8	0.00	2.18	0.40	0	3	1	95	0.00	0.0	1.882	0.068	3	1	2	2
PL.28350	PL.28349	ABC	#1/0 ACSR	7.36Y	122.7	0.17	2.35	75.54	33	1613	433	97	1.88	0.1	1.933	0.124	0	0	0	352
PL.28499	PL.28350	ABC	#1/0 ACSR	7.35Y	122.6	0.09	2.44	75.54	33	1611	431	97	1.04	0.1	2.001	0.068	0	0	0	352
PL.28875	PL.28499	C	#2 ACSR	7.35Y	122.6	0.00	2.44	0.47	0	3	1	95	0.00	0.0	2.006	0.005	0	0	0	1
PD.3898	PL.28875	C	30T	7.35Y	122.6	0.00	2.44	0.47	0	3	1	95	0.00	0.0	2.006	0.005	0	0	0	1
PL.28876	PD.3898	C	#2 ACSR	7.35Y	122.6	0.00	2.44	0.47	0	3	1	95	0.00	0.0	2.020	0.014	3	1	1	1
PL.28500	PL.28499	ABC	#1/0 ACSR	7.35Y	122.4	0.14	2.58	75.38	33	1607	429	97	1.60	0.1	2.107	0.106	0	0	0	351
PL.28502	PL.28500	ABC	#1/0 ACSR	7.33Y	122.2	0.20	2.79	75.05	33	1598	426	97	2.26	0.1	2.258	0.151	0	0	0	348
PL.28873	PL.28502	C	#2 ACSR	7.33Y	122.2	0.00	2.79	2.22	1	16	4	97	0.00	0.0	2.263	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3897	PL.28873	C	30T	7.33Y	122.2	0.00	2.79	2.22	0	16	4	97	0.00	0.0	2.263	0.005	0	0	0	2
PL.28874	PD.3897	C	#2 ACSR	7.33Y	122.2	0.00	2.79	2.22	1	16	4	97	0.00	0.0	2.295	0.033	16	4	2	2
PL.28503	PL.28502	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.85	74.30	32	1580	420	97	0.69	0.0	2.305	0.047	0	0	0	346
PL.28355	PL.28503	ABC	#1/0 ACSR	7.32Y	122.1	0.09	2.94	68.11	30	1447	386	97	0.93	0.1	2.380	0.075	0	0	0	316
PL.28356	PL.28355	ABC	#1/0 ACSR	7.32Y	122.0	0.09	3.03	66.93	29	1421	379	97	0.88	0.1	2.454	0.074	0	0	0	311
PL.29069	PL.28356	C	#2 ACSR	7.32Y	122.0	0.00	3.03	2.70	2	19	5	97	0.00	0.0	2.458	0.004	0	0	0	3
PD.3977	PL.29069	C	30T	7.32Y	122.0	0.00	3.03	2.70	0	19	5	97	0.00	0.0	2.458	0.004	0	0	0	3
PL.29070	PD.3977	C	#2 ACSR	7.32Y	122.0	0.00	3.03	2.70	2	19	5	97	0.00	0.0	2.490	0.032	2	0	1	3
PL.28609	PL.29070	C	#2 ACSR	7.32Y	122.0	0.01	3.04	2.43	1	17	4	97	0.00	0.0	2.577	0.087	7	2	1	2
PL.28867	PL.28609	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.45	1	10	3	96	0.00	0.0	2.582	0.005	0	0	0	1
PD.3894	PL.28867	C	T	7.32Y	122.0	0.00	3.04	1.45	0	10	3	96	0.00	0.0	2.582	0.005	0	0	0	1
PL.28868	PD.3894	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.45	1	10	3	96	0.00	0.0	2.621	0.040	0	0	0	1
PL.28069	PL.28868	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.45	1	10	3	96	0.00	0.0	2.660	0.039	10	3	1	1
PL.28865	PL.28356	A	#4 ACSR	7.32Y	122.0	0.00	3.03	3.60	3	26	6	97	0.00	0.0	2.458	0.004	0	0	0	4
PD.3893	PL.28865	A	30T	7.32Y	122.0	0.00	3.03	3.60	0	26	6	97	0.00	0.0	2.458	0.004	0	0	0	4
PL.28866	PD.3893	A	#4 ACSR	7.32Y	122.0	0.00	3.03	3.60	3	26	6	97	0.00	0.0	2.487	0.030	26	6	4	4
PL.28357	PL.28356	ABC	#1/0 ACSR	7.31Y	121.9	0.09	3.12	64.83	28	1375	367	97	0.90	0.1	2.534	0.080	0	0	0	304
PL.29071	PL.28357	A	#2 ACSR	7.31Y	121.9	0.00	3.12	0.51	0	4	1	97	0.00	0.0	2.538	0.005	0	0	0	1
PD.3978	PL.29071	A	30T	7.31Y	121.9	0.00	3.12	0.51	0	4	1	97	0.00	0.0	2.538	0.005	0	0	0	1
PL.29072	PD.3978	A	#2 ACSR	7.31Y	121.9	0.00	3.12	0.51	0	4	1	97	0.00	0.0	2.553	0.015	4	1	1	1
PL.28068	PL.29072	A	#4 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	2.587	0.034	0	0	0	0
PL.28606	PL.28068	A	#4 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	2.677	0.090	0	0	0	0
PL.28607	PL.28606	A	#4 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	2.709	0.032	0	0	0	0
PL.28604	PL.28357	ABC	#1/0 ACSR	7.31Y	121.8	0.10	3.22	63.62	28	1349	360	97	0.97	0.1	2.624	0.091	10	2	2	300
PL.28605	PL.28604	ABC	#1/0 ACSR	7.30Y	121.7	0.04	3.27	63.15	27	1338	356	97	0.42	0.0	2.663	0.039	0	0	1	298
PL.28599	PL.28605	ABC	#1/0 ACSR	7.30Y	121.7	0.04	3.31	60.68	26	1285	343	97	0.33	0.0	2.697	0.034	4	1	1	289
PL.28600	PL.28599	ABC	#1/0 ACSR	7.30Y	121.6	0.05	3.35	60.52	26	1281	342	97	0.41	0.0	2.739	0.042	1	0	1	288
PL.28598	PL.28600	ABC	#1/0 ACSR	7.29Y	121.6	0.08	3.43	60.48	26	1280	341	97	0.68	0.1	2.810	0.071	20	5	3	287
PL.28597	PL.28598	ABC	#1/0 ACSR	7.29Y	121.5	0.07	3.50	59.54	26	1259	335	97	0.60	0.0	2.874	0.064	6	1	3	284
PL.28504	PL.28597	ABC	#1/0 ACSR	7.29Y	121.5	0.04	3.54	58.14	25	1229	327	97	0.35	0.0	2.913	0.039	0	0	0	276
PL.28073	PL.28504	ABC	#1/0 ACSR	7.28Y	121.3	0.14	3.68	58.14	25	1228	327	97	1.22	0.1	3.048	0.135	0	0	0	276

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28921	PL.28073	A	#1/0 ACSR	7.28Y	121.3	0.00	3.68	0.86	0	6	2	95	0.00	0.0	3.052	0.005	0	0	0	1
PD.3923	PL.28921	A	30T	7.28Y	121.3	0.00	3.68	0.86	0	6	2	95	0.00	0.0	3.052	0.005	0	0	0	1
PL.28922	PD.3923	A	#1/0 ACSR	7.28Y	121.3	0.00	3.68	0.86	0	6	2	95	0.00	0.0	3.079	0.027	6	2	1	1
PL.66161	PL.28073	ABC	#1/0 ACSR	7.28Y	121.3	0.05	3.73	57.64	25	1216	323	97	0.45	0.0	3.098	0.051	0	0	0	274
PD.9998	PL.66161	ABC	100L	7.28Y	121.3	0.00	3.73	57.64	58	1216	323	97	0.00	0.0	3.098	0.051	0	0	0	274
PL.66162	PD.9998	ABC	#1/0 ACSR	7.27Y	121.2	0.09	3.82	57.64	25	1216	323	97	0.74	0.1	3.182	0.083	0	0	0	274
PL.28919	PL.66162	C	#1/0 ACSR	7.27Y	121.2	0.00	3.82	0.88	0	6	2	95	0.00	0.0	3.186	0.004	0	0	0	1
PD.3922	PL.28919	C	30T	7.27Y	121.2	0.00	3.82	0.88	0	6	2	95	0.00	0.0	3.186	0.004	0	0	0	1
PL.28920	PD.3922	C	#1/0 ACSR	7.27Y	121.2	0.00	3.82	0.88	0	6	2	95	0.00	0.0	3.242	0.056	6	2	1	1
PL.28360	PL.66162	ABC	#1/0 ACSR	7.27Y	121.2	0.03	3.85	57.34	25	1209	321	97	0.28	0.0	3.214	0.032	0	0	0	273
PL.28361	PL.28360	ABC	#1/0 ACSR	7.26Y	121.1	0.07	3.92	56.73	25	1196	317	97	0.63	0.1	3.288	0.073	0	0	0	271
PL.28362	PL.28361	ABC	#1/0 ACSR	7.26Y	121.0	0.09	4.01	56.53	25	1191	315	97	0.72	0.1	3.372	0.085	0	0	1	269
PL.28913	PL.28362	A	6 A (CWC)	7.26Y	121.0	0.00	4.01	2.68	2	19	5	97	0.00	0.0	3.376	0.004	0	0	0	3
PD.3919	PL.28913	A	30T	7.26Y	121.0	0.00	4.01	2.68	0	19	5	97	0.00	0.0	3.376	0.004	0	0	0	3
PL.28914	PD.3919	A	6 A (CWC)	7.26Y	121.0	0.01	4.02	2.68	2	19	5	97	0.00	0.0	3.445	0.069	0	0	0	3
PL.28076	PL.28914	A	#1/0 ACSR	7.26Y	121.0	0.00	4.02	1.47	1	10	3	96	0.00	0.0	3.596	0.151	10	3	1	1
PL.28077	PL.28914	A	#4 ACSR	7.26Y	121.0	0.00	4.02	0.36	0	3	1	95	0.00	0.0	3.495	0.050	3	1	1	1
PL.28075	PL.28914	A	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.85	1	6	1	99	0.00	0.0	3.525	0.080	6	1	1	1
PL.28363	PL.28362	ABC	#1/0 ACSR	7.25Y	120.9	0.11	4.12	55.64	24	1171	310	97	0.88	0.1	3.479	0.107	0	0	0	265
PL.28646	PL.28363	ABC	#1/0 ACSR	7.25Y	120.8	0.12	4.24	55.64	24	1170	309	97	0.99	0.1	3.600	0.121	7	2	1	265
PL.28647	PL.28646	ABC	#1/0 ACSR	7.24Y	120.6	0.13	4.37	55.31	24	1163	306	97	1.10	0.1	3.736	0.135	0	0	0	264
PL.28644	PL.28647	ABC	#1/0 ACSR	7.23Y	120.6	0.06	4.43	55.31	24	1162	305	97	0.50	0.0	3.797	0.062	7	2	1	264
PL.28645	PL.28644	ABC	#1/0 ACSR	7.22Y	120.4	0.18	4.62	54.97	24	1154	303	97	1.51	0.1	3.985	0.188	0	0	0	263
PL.28643	PL.28645	ABC	#1/0 ACSR	7.22Y	120.3	0.06	4.68	54.97	24	1152	302	97	0.49	0.0	4.046	0.061	6	1	1	263
PL.29107	PL.28643	C	6 A (CWC)	7.22Y	120.3	0.01	4.69	10.85	8	76	19	97	0.01	0.0	4.066	0.020	0	0	0	14
PD.3997	PL.29107	C	35L	7.22Y	120.3	0.00	4.69	10.85	31	76	19	97	0.00	0.0	4.066	0.020	0	0	0	14
PL.29108	PD.3997	C	6 A (CWC)	7.22Y	120.3	0.05	4.73	10.85	8	76	19	97	0.03	0.0	4.166	0.099	1	0	1	14
PL.28642	PL.29108	C	6 A (CWC)	7.21Y	120.2	0.04	4.77	10.78	8	75	19	97	0.02	0.0	4.245	0.080	0	0	0	13
PL.28640	PL.28642	C	6 A (CWC)	7.21Y	120.2	0.05	4.83	10.78	8	75	19	97	0.03	0.0	4.355	0.110	4	1	1	13
PL.28641	PL.28640	C	6 A (CWC)	7.21Y	120.2	0.02	4.84	10.20	7	71	18	97	0.01	0.0	4.390	0.035	3	1	1	12
PL.28634	PL.28641	C	6 A (CWC)	7.21Y	120.1	0.03	4.87	5.85	4	41	10	97	0.01	0.0	4.499	0.109	8	2	1	7

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28635	PL.28634	C	6 A (CWC)	7.21Y	120.1	0.01	4.88	4.73	3	33	8	97	0.00	0.0	4.551	0.052	10	2	2	6
PL.28633	PL.28635	C	6 A (CWC)	7.21Y	120.1	0.00	4.88	3.35	2	23	6	97	0.00	0.0	4.574	0.023	0	0	1	4
PL.28632	PL.28633	C	6 A (CWC)	7.21Y	120.1	0.01	4.89	3.34	2	23	6	97	0.00	0.0	4.646	0.072	8	2	1	3
PL.28631	PL.28632	C	6 A (CWC)	7.21Y	120.1	0.00	4.89	2.25	2	16	4	97	0.00	0.0	4.680	0.034	0	0	0	2
PL.28427	PL.28631	C	#4 ACSR	7.21Y	120.1	0.00	4.90	1.66	1	12	3	97	0.00	0.0	4.745	0.065	12	3	1	1
PL.28365	PL.28631	C	6 A (CWC)	7.21Y	120.1	0.00	4.90	0.59	0	4	1	97	0.00	0.0	4.833	0.153	4	1	1	1
PL.28638	PL.28641	C	6 A (CWC)	7.21Y	120.1	0.01	4.86	3.97	3	28	7	97	0.00	0.0	4.476	0.086	7	2	1	4
PL.28639	PL.28638	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	3.04	2	21	5	97	0.00	0.0	4.511	0.035	9	2	1	3
PL.28636	PL.28639	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	1.82	1	13	3	97	0.00	0.0	4.555	0.045	6	1	1	2
PL.28637	PL.28636	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	1.02	0	7	2	96	0.00	0.0	4.632	0.077	7	2	1	1
PL.28364	PL.28643	ABC	#1/0 ACSR	7.22Y	120.3	0.06	4.74	51.08	22	1070	281	97	0.46	0.0	4.113	0.067	0	0	0	248
PL.28911	PL.28364	B	#1/0 ACSR	7.22Y	120.3	0.00	4.74	0.84	0	6	1	99	0.00	0.0	4.117	0.004	0	0	0	1
PD.3918	PL.28911	B	30T	7.22Y	120.3	0.00	4.74	0.84	0	6	1	99	0.00	0.0	4.117	0.004	0	0	0	1
PL.28912	PD.3918	B	#1/0 ACSR	7.22Y	120.3	0.00	4.74	0.84	0	6	1	99	0.00	0.0	4.211	0.094	6	1	1	1
PL.28629	PL.28364	ABC	#1/0 ACSR	7.21Y	120.2	0.03	4.76	50.80	22	1064	279	97	0.19	0.0	4.141	0.028	2	0	1	247
PL.28630	PL.28629	ABC	#1/0 ACSR	7.21Y	120.1	0.11	4.88	50.71	22	1062	278	97	0.86	0.1	4.267	0.126	3	1	1	246
PL.28628	PL.28630	ABC	#1/0 ACSR	7.20Y	120.1	0.04	4.92	50.58	22	1058	277	97	0.33	0.0	4.315	0.048	0	0	0	245
PL.28511	PL.28628	ABC	#1/0 ACSR	7.20Y	120.0	0.12	5.04	46.46	20	971	255	97	0.80	0.1	4.454	0.139	0	0	0	227
PL.28512	PL.28511	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.04	46.46	20	970	254	97	0.02	0.0	4.458	0.004	4	1	1	227
PL.28624	PL.28512	ABC	#1/0 ACSR	7.19Y	119.9	0.08	5.11	45.30	20	946	248	97	0.51	0.1	4.551	0.094	7	2	1	222
PL.28625	PL.28624	ABC	#1/0 ACSR	7.19Y	119.8	0.06	5.18	44.99	20	939	246	97	0.43	0.0	4.631	0.080	6	2	1	221
PL.28907	PL.28625	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.08	0	1	0	100	0.00	0.0	4.635	0.004	0	0	0	2
PD.3915	PL.28907	C	30T	7.19Y	119.8	0.00	5.18	0.08	0	1	0	100	0.00	0.0	4.635	0.004	0	0	0	2
PL.28908	PD.3915	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.08	0	1	0	100	0.00	0.0	4.759	0.124	0	0	1	2
PL.28081	PL.28908	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.06	0	0	0	100	0.00	0.0	4.858	0.099	0	0	1	1
PL.28368	PL.28625	ABC	#1/0 ACSR	7.18Y	119.7	0.14	5.31	44.66	19	932	244	97	0.90	0.1	4.801	0.170	0	0	0	218
PL.28369	PL.28368	ABC	#1/0 ACSR	7.17Y	119.5	0.14	5.46	44.24	19	922	241	97	0.93	0.1	4.980	0.179	0	0	0	217
PL.29083	PL.28369	A	#2 ACSR	7.17Y	119.5	0.00	5.46	1.88	1	13	3	97	0.00	0.0	4.985	0.005	0	0	0	3
PD.3984	PL.29083	A	30T	7.17Y	119.5	0.00	5.46	1.88	0	13	3	97	0.00	0.0	4.985	0.005	0	0	0	3
PL.29084	PD.3984	A	#2 ACSR	7.17Y	119.5	0.00	5.46	1.88	1	13	3	97	0.00	0.0	4.999	0.014	2	1	1	3
PL.28622	PL.29084	A	#2 ACSR	7.17Y	119.5	0.00	5.46	1.56	1	11	3	96	0.00	0.0	5.027	0.028	11	3	2	2

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28903	PL.28369	C	#2 ACSR	7.17Y	119.5	0.00	5.46	0.40	0	3	1	95	0.00	0.0	4.985	0.005	0	0	0	3
PD.3913	PL.28903	C	30T	7.17Y	119.5	0.00	5.46	0.40	0	3	1	95	0.00	0.0	4.985	0.005	0	0	0	3
PL.28904	PD.3913	C	#2 ACSR	7.17Y	119.5	0.00	5.46	0.40	0	3	1	95	0.00	0.0	5.052	0.067	1	0	1	3
PL.28623	PL.28904	C	#2 ACSR	7.17Y	119.5	0.00	5.46	0.31	0	2	1	89	0.00	0.0	5.114	0.062	2	1	2	2
PL.28396	PL.28369	ABC	#1/0 ACSR	7.17Y	119.5	0.07	5.53	43.48	19	905	236	97	0.47	0.1	5.073	0.093	0	0	0	211
PL.28901	PL.28396	A	#1/0 ACSR	7.17Y	119.5	0.00	5.53	2.90	1	20	5	97	0.00	0.0	5.077	0.004	0	0	0	4
PD.3912	PL.28901	A	30T	7.17Y	119.5	0.00	5.53	2.90	0	20	5	97	0.00	0.0	5.077	0.004	0	0	0	4
PL.28902	PD.3912	A	#1/0 ACSR	7.17Y	119.5	0.00	5.53	2.90	1	20	5	97	0.00	0.0	5.096	0.019	3	1	1	4
PL.28515	PL.28902	A	#4 ACSR	7.17Y	119.5	0.00	5.53	2.46	2	17	4	97	0.00	0.0	5.114	0.018	0	0	0	3
PL.28082	PL.28515	A	#4 ACSR	7.17Y	119.5	0.00	5.54	1.68	1	12	3	97	0.00	0.0	5.199	0.085	12	3	2	2
PL.28516	PL.28515	A	#4 ACSR	7.17Y	119.5	0.00	5.53	0.78	1	5	1	98	0.00	0.0	5.133	0.019	5	1	1	1
PL.29127	PL.28396	ABC	#1/0 ACSR	7.17Y	119.4	0.04	5.57	42.51	18	885	230	97	0.28	0.0	5.132	0.059	0	0	0	207
PL.29128	PL.29127	ABC	#1/0 ACSR	7.16Y	119.4	0.04	5.61	42.51	18	884	230	97	0.26	0.0	5.186	0.054	1	0	1	207
PL.28083	PL.29128	ABC	#1/0 ACSR	7.16Y	119.3	0.05	5.66	24.69	11	513	135	97	0.17	0.0	5.288	0.103	0	0	0	140
PL.28094	PL.28083	ABC	#1/0 ACSR	7.16Y	119.3	0.03	5.69	24.69	11	513	135	97	0.12	0.0	5.361	0.073	0	0	0	140
PL.28095	PL.28094	ABC	#1/0 ACSR	7.16Y	119.3	0.04	5.73	22.39	10	465	122	97	0.14	0.0	5.464	0.103	0	0	0	124
PL.28121	PL.28095	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.75	22.39	10	465	122	97	0.07	0.0	5.517	0.053	0	0	0	124
PL.28945	PL.28121	A	#1/0 ACSR	7.15Y	119.2	0.00	5.75	0.60	0	4	1	97	0.00	0.0	5.522	0.005	0	0	0	2
PD.3936	PL.28945	A	30T	7.15Y	119.2	0.00	5.75	0.60	0	4	1	97	0.00	0.0	5.522	0.005	0	0	0	2
PL.28946	PD.3936	A	#1/0 ACSR	7.15Y	119.2	0.00	5.75	0.60	0	4	1	97	0.00	0.0	5.543	0.021	4	1	2	2
PL.28408	PL.28121	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.77	22.19	10	461	121	97	0.06	0.0	5.560	0.043	0	0	0	122
PL.28409	PL.28408	ABC	#1/0 ACSR	7.15Y	119.2	0.04	5.82	21.42	9	444	117	97	0.14	0.0	5.674	0.114	0	0	0	120
PL.28452	PL.28409	ABC	#1/0 ACSR	7.15Y	119.1	0.04	5.85	21.42	9	444	117	97	0.12	0.0	5.772	0.098	0	0	0	120
PL.29087	PL.28452	ABC	#1/0 ACSR	7.15Y	119.1	0.02	5.87	21.42	9	444	117	97	0.06	0.0	5.818	0.046	0	0	0	120
PL.29088	PL.29087	ABC	#1/0 ACSR	7.15Y	119.1	0.00	5.87	21.42	9	444	117	97	0.00	0.0	5.821	0.004	0	0	0	120
PL.28410	PL.29088	ABC	#1/0 ACSR	7.15Y	119.1	0.04	5.92	20.54	9	426	112	97	0.14	0.0	5.942	0.121	0	0	0	113
PL.28517	PL.28410	ABC	#1/0 ACSR	7.14Y	119.1	0.03	5.95	20.54	9	426	112	97	0.10	0.0	6.027	0.085	0	0	0	113
PL.28518	PL.28517	ABC	#1/0 ACSR	7.14Y	119.0	0.01	5.96	20.37	9	422	111	97	0.05	0.0	6.068	0.041	0	0	0	112
PL.28126	PL.28518	ABC	#1/0 ACSR	7.14Y	119.0	0.01	5.97	3.30	1	69	17	97	0.00	0.0	6.203	0.134	0	0	0	22
PL.28454	PL.28126	ABC	#1/0 ACSR	7.14Y	119.0	0.01	5.98	3.30	1	69	17	97	0.01	0.0	6.387	0.185	0	0	0	22
PL.28455	PL.28454	ABC	#1/0 ACSR	7.14Y	119.0	0.01	5.99	3.30	1	69	17	97	0.00	0.0	6.502	0.115	0	0	0	22

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28529	PL.28455	ABC	#1/0 ACSR	7.14Y	119.0	0.00	5.99	3.30	1	69	17	97	0.00	0.0	6.584	0.083	0	0	0	22
PL.29093	PL.28529	C	#4 ACSR	7.14Y	119.0	0.00	5.99	0.00	0	0	0	100	0.00	0.0	6.588	0.004	0	0	0	0
PD.3988	PL.29093	C	30T	7.14Y	119.0	0.00	5.99	0.00	0	0	0	100	0.00	0.0	6.588	0.004	0	0	0	0
PL.29094	PD.3988	C	#4 ACSR	7.14Y	119.0	0.00	5.99	0.00	0	0	0	100	0.00	0.0	6.704	0.115	0	0	0	0
PL.28456	PL.29094	C	#4 ACSR	7.14Y	119.0	0.00	5.99	0.00	0	0	0	100	0.00	0.0	6.835	0.131	0	0	0	0
PL.28457	PL.28456	C	#4 ACSR	7.14Y	119.0	0.00	5.99	0.00	0	0	0	100	0.00	0.0	7.001	0.167	0	0	0	0
PL.28530	PL.28529	ABC	#1/0 ACSR	7.14Y	119.0	0.01	6.00	3.18	1	66	17	97	0.00	0.0	6.717	0.133	0	0	0	21
PL.28933	PL.28530	C	6 A (CWC)	7.14Y	119.0	0.00	6.00	9.53	7	66	17	97	0.00	0.0	6.721	0.004	0	0	0	21
PD.3930	PL.28933	C	30T	7.14Y	119.0	0.00	6.00	9.53	0	66	17	97	0.00	0.0	6.721	0.004	0	0	0	21
PL.28934	PD.3930	C	6 A (CWC)	7.14Y	119.0	0.04	6.04	9.53	7	66	17	97	0.02	0.0	6.808	0.087	0	0	0	21
PL.28531	PL.28934	C	6 A (CWC)	7.14Y	119.0	0.00	6.04	0.00	0	0	0	100	0.00	0.0	6.974	0.166	0	0	0	0
PL.28691	PL.28934	C	6 A (CWC)	7.14Y	118.9	0.04	6.08	9.53	7	66	17	97	0.02	0.0	6.906	0.098	1	0	1	21
PL.28692	PL.28691	C	6 A (CWC)	7.13Y	118.9	0.05	6.13	9.39	7	65	16	97	0.03	0.0	7.031	0.125	0	0	0	20
PL.28458	PL.28692	C	6 A (CWC)	7.13Y	118.8	0.03	6.16	9.39	7	65	16	97	0.01	0.0	7.096	0.064	0	0	0	20
PL.28149	PL.28458	C	6 A (CWC)	7.13Y	118.8	0.02	6.18	4.06	3	28	7	97	0.00	0.0	7.198	0.103	0	0	0	17
PL.28524	PL.28149	C	6 A (CWC)	7.13Y	118.8	0.02	6.20	4.06	3	28	7	97	0.00	0.0	7.320	0.121	0	0	0	17
PL.28151	PL.28524	C	#4 ACSR	7.13Y	118.8	0.00	6.21	0.41	0	3	1	95	0.00	0.0	7.490	0.170	3	1	1	1
PL.28525	PL.28524	C	6 A (CWC)	7.13Y	118.8	0.02	6.22	3.65	3	25	6	97	0.00	0.0	7.430	0.111	0	0	0	16
PL.28522	PL.28525	C	6 A (CWC)	7.13Y	118.8	0.01	6.23	3.43	2	24	6	97	0.00	0.0	7.517	0.087	5	1	1	15
PL.28153	PL.28522	C	#4 ACSR	7.13Y	118.8	0.00	6.23	0.01	0	0	0	100	0.00	0.0	7.556	0.039	0	0	1	1
PL.28523	PL.28522	C	6 A (CWC)	7.12Y	118.7	0.02	6.25	2.69	2	19	5	97	0.00	0.0	7.657	0.140	0	0	0	13
PL.28154	PL.28523	C	#1/0 ACSR	7.12Y	118.7	0.00	6.25	0.00	0	0	0	100	0.00	0.0	7.780	0.123	0	0	0	0
PL.28521	PL.28523	C	6 A (CWC)	7.12Y	118.7	0.01	6.26	2.69	2	19	5	97	0.00	0.0	7.719	0.063	2	0	1	13
PL.28519	PL.28521	C	#4 ACSR	7.12Y	118.7	0.00	6.26	2.42	2	17	4	97	0.00	0.0	7.757	0.037	0	0	0	12
PL.28520	PL.28519	C	#4 ACSR	7.12Y	118.7	0.00	6.26	0.86	1	6	1	99	0.00	0.0	7.827	0.071	6	1	1	1
PL.28155	PL.28519	C	6 A (CWC)	7.12Y	118.7	0.00	6.26	1.56	1	11	3	96	0.00	0.0	7.787	0.030	4	1	1	11
PL.28157	PL.28155	C	6 A (CWC)	7.12Y	118.7	0.00	6.27	1.03	1	7	2	96	0.00	0.0	7.850	0.063	2	0	2	10
PL.28526	PL.28157	C	#2 ACSR	7.12Y	118.7	0.00	6.27	0.77	0	5	1	98	0.00	0.0	7.953	0.103	0	0	0	8
PL.28527	PL.28526	C	#2 ACSR	7.12Y	118.7	0.00	6.27	0.49	0	3	1	95	0.00	0.0	7.993	0.040	0	0	1	6
PL.28159	PL.28527	C	#2 ACSR	7.12Y	118.7	0.00	6.27	0.49	0	3	1	95	0.00	0.0	8.045	0.052	3	1	5	5
PL.28158	PL.28526	C	#1/0 ACSR	7.12Y	118.7	0.00	6.27	0.27	0	2	0	100	0.00	0.0	7.980	0.027	2	0	2	2

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28152	PL.28525	C	#4 ACSR	7.13Y	118.8	0.00	6.22	0.21	0	1	0	100	0.00	0.0	7.540	0.110	1	0	1	1
PL.28150	PL.28458	C	#2 ACSR	7.13Y	118.8	0.01	6.17	5.33	3	37	9	97	0.00	0.0	7.156	0.061	0	0	0	3
PL.28689	PL.28150	C	#2 ACSR	7.13Y	118.8	0.01	6.19	5.33	3	37	9	97	0.00	0.0	7.243	0.087	10	2	1	3
PL.28690	PL.28689	C	#2 ACSR	7.13Y	118.8	0.01	6.20	3.93	2	27	7	97	0.00	0.0	7.345	0.102	0	0	0	2
PL.28937	PL.28690	C	1/0 AL URD	7.13Y	118.8	0.00	6.20	3.93	2	27	7	97	0.00	0.0	7.349	0.004	0	0	0	2
PD.3932	PL.28937	C	20T	7.13Y	118.8	0.00	6.20	3.93	0	27	7	97	0.00	0.0	7.349	0.004	0	0	0	2
PL.28938	PD.3932	C	1/0 AL URD	7.13Y	118.8	0.00	6.20	3.93	2	27	7	97	0.00	0.0	7.379	0.030	18	4	1	2
PL.28830	PL.28938	C	1/0 AL URD	7.13Y	118.8	0.00	6.20	1.36	1	9	2	98	0.00	0.0	7.409	0.030	9	2	1	1
PL.28931	PL.28529	A	#4 ACSR	7.14Y	119.0	0.00	5.99	0.38	0	3	1	95	0.00	0.0	6.589	0.004	0	0	0	1
PD.3929	PL.28931	A	30T	7.14Y	119.0	0.00	5.99	0.38	0	3	1	95	0.00	0.0	6.589	0.004	0	0	0	1
PL.28932	PD.3929	A	#4 ACSR	7.14Y	119.0	0.00	5.99	0.38	0	3	1	95	0.00	0.0	6.616	0.028	3	1	1	1
PL.28125	PL.28518	B	#1/0 ACSR	7.14Y	118.9	0.10	6.06	51.21	22	353	94	97	0.24	0.1	6.153	0.085	0	0	0	90
PL.29091	PL.28125	B	#1/0 ACSR	7.14Y	118.9	0.00	6.06	0.89	0	6	2	95	0.00	0.0	6.157	0.004	0	0	0	7
PD.3987	PL.29091	B	30T	7.14Y	118.9	0.00	6.06	0.89	0	6	2	95	0.00	0.0	6.157	0.004	0	0	0	7
PL.29092	PD.3987	B	#1/0 ACSR	7.14Y	118.9	0.00	6.06	0.89	0	6	2	95	0.00	0.0	6.213	0.056	1	0	1	7
PL.28127	PL.29092	B	6 A (CWC)	7.14Y	118.9	0.01	6.07	0.79	1	5	1	98	0.00	0.0	6.397	0.184	0	0	0	6
PL.28528	PL.28127	B	6 A (CWC)	7.14Y	118.9	0.01	6.08	0.79	1	5	1	98	0.00	0.0	6.579	0.183	0	0	2	6
PL.28146	PL.28528	B	#1/0 ACSR	7.14Y	118.9	0.00	6.08	0.13	0	1	0	100	0.00	0.0	6.655	0.076	1	0	1	1
PL.28687	PL.28528	B	6 A (CWC)	7.14Y	118.9	0.00	6.08	0.64	0	4	1	97	0.00	0.0	6.703	0.124	0	0	0	3
PL.28688	PL.28687	B	6 A (CWC)	7.14Y	118.9	0.00	6.08	0.64	0	4	1	97	0.00	0.0	6.759	0.056	0	0	1	3
PL.28686	PL.28688	B	6 A (CWC)	7.13Y	118.9	0.00	6.08	0.64	0	4	1	97	0.00	0.0	6.873	0.114	0	0	1	2
PL.28147	PL.28686	B	#2 ACSR	7.13Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	6.928	0.054	0	0	0	0
PL.28148	PL.28686	B	#2 ACSR	7.13Y	118.9	0.00	6.09	0.64	0	4	1	97	0.00	0.0	6.966	0.093	4	1	1	1
PL.29111	PL.28125	B	#1/0 ACSR	7.14Y	118.9	0.00	6.07	50.31	22	347	92	97	0.01	0.0	6.156	0.003	0	0	0	83
PD.3999	PL.29111	B	100L	7.14Y	118.9	0.00	6.07	50.31	50	347	92	97	0.00	0.0	6.156	0.003	0	0	0	83
PL.29112	PD.3999	B	#1/0 ACSR	7.12Y	118.7	0.20	6.26	50.31	22	347	92	97	0.47	0.1	6.327	0.171	0	0	0	83
REG79	PL.29112	B	76.2 KVA	7.55Y	125.8	-7.08	-0.81	50.31	50	347	92	97	percent Boost= 0.00 Tap= 0.0							83
PL.28459	REG79	B	#1/0 ACSR	7.54Y	125.7	0.12	-0.69	47.48	21	347	92	97	0.28	0.1	6.440	0.113	0	0	0	83
PL.28460	PL.28459	B	#1/0 ACSR	7.54Y	125.6	0.07	-0.62	47.48	21	346	91	97	0.16	0.0	6.507	0.066	0	0	0	83
PL.28129	PL.28460	B	#2 ACSR	7.54Y	125.6	0.00	-0.62	0.78	0	6	1	99	0.00	0.0	6.545	0.038	6	1	1	1
PL.28128	PL.28460	B	#2 ACSR	7.54Y	125.6	0.00	-0.62	1.06	1	8	2	97	0.00	0.0	6.607	0.101	8	2	1	1

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28411	PL.28460	B	#1/0 ACSR	7.53Y	125.6	0.06	-0.56	45.64	20	333	88	97	0.13	0.0	6.563	0.057	0	0	0	81
PL.28131	PL.28411	B	#2 ACSR	7.53Y	125.6	0.00	-0.56	0.59	0	4	1	97	0.00	0.0	6.583	0.020	4	1	2	2
PL.28130	PL.28411	B	#1/0 ACSR	7.52Y	125.4	0.16	-0.40	45.04	20	328	86	97	0.34	0.1	6.720	0.157	0	0	0	79
PL.28412	PL.28130	B	#1/0 ACSR	7.52Y	125.3	0.08	-0.32	43.04	19	313	82	97	0.16	0.1	6.801	0.081	0	0	0	73
PL.28133	PL.28412	B	#1/0 ACSR	7.51Y	125.2	0.07	-0.25	43.04	19	313	82	97	0.14	0.0	6.871	0.070	0	0	0	73
PL.28134	PL.28133	B	#1/0 ACSR	7.51Y	125.2	0.07	-0.17	43.04	19	313	82	97	0.15	0.0	6.944	0.073	0	0	0	73
PL.28136	PL.28134	B	#1/0 ACSR	7.50Y	125.1	0.10	-0.08	42.81	19	311	81	97	0.19	0.1	7.041	0.097	0	0	0	72
PL.28137	PL.28136	B	6 A (CWC)	7.50Y	125.1	0.00	-0.07	1.12	1	8	2	97	0.00	0.0	7.189	0.147	8	2	2	2
PL.28413	PL.28136	B	#1/0 ACSR	7.50Y	125.1	0.02	-0.06	41.69	18	303	79	97	0.04	0.0	7.064	0.023	0	0	0	70
PL.28138	PL.28413	B	#1/0 ACSR	7.50Y	125.0	0.06	0.01	41.69	18	303	79	97	0.12	0.0	7.129	0.065	0	0	0	70
PL.28139	PL.28138	B	#1/0 ACSR	7.49Y	124.9	0.10	0.10	41.69	18	303	79	97	0.19	0.1	7.229	0.100	0	0	0	70
PL.28480	PL.28139	B	#1/0 ACSR	7.49Y	124.8	0.11	0.21	41.69	18	302	79	97	0.21	0.1	7.340	0.111	0	0	0	70
PL.28461	PL.28480	B	#1/0 ACSR	7.48Y	124.7	0.08	0.29	41.69	18	302	78	97	0.16	0.1	7.428	0.087	0	0	0	70
PL.28414	PL.28461	B	#1/0 ACSR	7.47Y	124.6	0.15	0.44	39.40	17	285	74	97	0.27	0.1	7.590	0.163	0	0	0	65
PL.28141	PL.28414	B	#1/0 ACSR	7.46Y	124.3	0.24	0.67	39.40	17	285	74	97	0.44	0.2	7.851	0.261	0	0	0	65
PL.28465	PL.28141	B	#1/0 ACSR	7.45Y	124.2	0.15	0.82	39.40	17	285	73	97	0.28	0.1	8.019	0.168	0	0	0	65
PL.28466	PL.28465	B	#1/0 ACSR	7.45Y	124.1	0.05	0.87	39.40	17	284	73	97	0.09	0.0	8.071	0.052	0	0	0	65
PL.28176	PL.28466	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	8.241	0.170	0	0	0	0
PL.28177	PL.28466	B	6 A (CWC)	7.43Y	123.8	0.33	1.20	39.40	28	284	73	97	0.70	0.2	8.256	0.185	0	0	1	65
PL.28179	PL.28177	B	6 A (CWC)	7.42Y	123.7	0.11	1.31	39.37	28	283	72	97	0.22	0.1	8.315	0.059	0	0	0	64
PL.28180	PL.28179	B	#4 ACSR	7.42Y	123.7	0.00	1.31	0.50	0	4	1	97	0.00	0.0	8.386	0.070	4	1	3	3
PL.28416	PL.28179	B	6 A (CWC)	7.41Y	123.4	0.27	1.57	38.87	28	280	71	97	0.55	0.2	8.465	0.150	0	0	0	61
PL.28468	PL.28416	B	6 A (CWC)	7.39Y	123.2	0.22	1.79	38.87	28	279	71	97	0.45	0.2	8.589	0.124	0	0	0	61
PL.28478	PL.28468	B	6 A (CWC)	7.38Y	123.0	0.24	2.03	38.87	28	279	71	97	0.49	0.2	8.722	0.133	0	0	0	61
PL.28469	PL.28478	B	6 A (CWC)	7.36Y	122.7	0.30	2.33	38.87	28	278	70	97	0.62	0.2	8.891	0.168	0	0	0	61
PL.28182	PL.28469	B	6 A (CWC)	7.36Y	122.6	0.08	2.40	38.87	28	277	70	97	0.16	0.1	8.933	0.043	0	0	0	61
PL.28702	PL.28182	B	#4 ACSR	7.36Y	122.6	0.00	2.40	4.97	4	35	9	97	0.00	0.0	8.949	0.016	5	1	2	8
PL.28703	PL.28702	B	#4 ACSR	7.35Y	122.6	0.03	2.43	4.25	3	30	8	97	0.01	0.0	9.096	0.147	0	0	0	6
PL.28183	PL.28703	B	#2 ACSR	7.35Y	122.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	9.203	0.107	0	0	0	0
PL.28417	PL.28703	B	#4 ACSR	7.35Y	122.5	0.03	2.47	4.25	3	30	8	97	0.01	0.0	9.273	0.177	0	0	0	6
PL.28418	PL.28417	B	#4 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	9.357	0.084	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28479	PL.28418	B	#4 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	9.479	0.122	0	0	0	0
PL.28470	PL.28479	B	#4 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	9.644	0.165	0	0	0	0
PL.28698	PL.28417	B	#2 ACSR	7.35Y	122.5	0.01	2.47	4.25	2	30	8	97	0.00	0.0	9.345	0.072	6	2	1	6
PL.28699	PL.28698	B	#2 ACSR	7.35Y	122.5	0.00	2.48	3.40	2	24	6	97	0.00	0.0	9.388	0.043	2	0	1	5
PL.28185	PL.28699	B	#1/0 ACSR	7.35Y	122.5	0.01	2.48	3.16	1	23	6	97	0.00	0.0	9.472	0.084	0	0	0	4
PL.28186	PL.28185	B	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.19	1	8	2	97	0.00	0.0	9.514	0.042	8	2	2	2
PL.28700	PL.28185	B	#1/0 ACSR	7.35Y	122.5	0.00	2.49	1.97	1	14	4	96	0.00	0.0	9.594	0.122	6	1	1	2
PL.65836	PL.28700	B	#1/0 ACSR	7.35Y	122.5	0.00	2.49	1.16	1	8	2	97	0.00	0.0	9.659	0.065	0	0	0	1
PL.65837	PL.65836	B	#1/0 ACSR	7.35Y	122.5	0.00	2.49	1.16	1	8	2	97	0.00	0.0	9.722	0.063	8	2	1	1
PL.28704	PL.28182	B	6 A (CWC)	7.35Y	122.5	0.11	2.51	33.90	24	242	61	97	0.20	0.1	9.006	0.072	0	0	0	53
PL.28705	PL.28704	B	6 A (CWC)	7.33Y	122.2	0.25	2.76	33.90	24	242	61	97	0.46	0.2	9.169	0.164	0	0	0	53
PL.28671	PL.28705	B	6 A (CWC)	7.32Y	122.0	0.21	2.97	33.90	24	241	61	97	0.37	0.2	9.306	0.136	7	2	2	53
PL.28672	PL.28671	B	6 A (CWC)	7.31Y	121.9	0.13	3.11	32.95	24	234	59	97	0.24	0.1	9.397	0.091	6	2	1	51
PL.28188	PL.28672	B	6 A (CWC)	7.31Y	121.8	0.07	3.17	19.36	14	137	34	97	0.07	0.0	9.472	0.075	0	0	0	25
PL.28189	PL.28188	B	6 A (CWC)	7.30Y	121.7	0.12	3.30	19.36	14	137	34	97	0.13	0.1	9.612	0.140	0	0	0	25
PL.28190	PL.28189	B	#4 ACSR	7.30Y	121.7	0.00	3.30	0.83	1	6	1	99	0.00	0.0	9.716	0.104	6	1	1	1
PL.28716	PL.28189	B	6 A (CWC)	7.30Y	121.6	0.09	3.39	18.53	13	131	33	97	0.09	0.1	9.727	0.115	7	2	1	24
PL.28717	PL.28716	B	6 A (CWC)	7.29Y	121.5	0.06	3.45	17.58	13	124	31	97	0.06	0.0	9.811	0.083	13	3	2	23
PL.28191	PL.28717	B	#4 ACSR	7.29Y	121.5	0.00	3.46	1.47	1	10	3	96	0.00	0.0	9.890	0.079	10	3	1	1
PL.28422	PL.28717	B	6 A (CWC)	7.29Y	121.5	0.05	3.50	14.21	10	101	25	97	0.04	0.0	9.891	0.080	0	0	0	20
PL.28192	PL.28422	B	#1/0 ACSR	7.29Y	121.5	0.00	3.51	1.02	0	7	2	96	0.00	0.0	9.939	0.049	7	2	2	2
PL.28714	PL.28422	B	#4 ACSR	7.29Y	121.5	0.00	3.51	1.48	1	11	3	96	0.00	0.0	9.923	0.033	7	2	1	2
PL.28715	PL.28714	B	#4 ACSR	7.29Y	121.5	0.00	3.51	0.49	0	3	1	95	0.00	0.0	10.033	0.109	3	1	1	1
PL.28423	PL.28422	B	6 A (CWC)	7.29Y	121.5	0.03	3.54	11.71	8	83	21	97	0.02	0.0	9.948	0.057	0	0	0	16
PL.28193	PL.28423	B	#1/0 ACSR	7.29Y	121.5	0.00	3.54	1.08	0	8	2	97	0.00	0.0	10.015	0.067	8	2	1	1
PL.28424	PL.28423	B	6 A (CWC)	7.29Y	121.4	0.02	3.56	10.63	8	75	19	97	0.01	0.0	9.994	0.046	0	0	0	15
PL.28425	PL.28424	B	6 A (CWC)	7.28Y	121.4	0.06	3.61	9.63	7	68	17	97	0.03	0.0	10.122	0.128	0	0	0	13
PL.28471	PL.28425	B	6 A (CWC)	7.28Y	121.3	0.05	3.66	9.63	7	68	17	97	0.02	0.0	10.228	0.106	0	0	0	13
PL.28712	PL.28471	B	6 A (CWC)	7.28Y	121.3	0.08	3.74	9.63	7	68	17	97	0.04	0.1	10.404	0.176	2	1	1	13
PL.28713	PL.28712	B	6 A (CWC)	7.27Y	121.2	0.04	3.77	9.30	7	66	16	97	0.02	0.0	10.498	0.093	0	0	0	12
PL.28195	PL.28713	B	#4 ACSR	7.27Y	121.2	0.00	3.78	0.41	0	3	1	95	0.00	0.0	10.636	0.138	3	1	1	1

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28426	PL.28713	B	6 A (CWC)	7.27Y	121.2	0.03	3.80	7.86	6	55	14	97	0.01	0.0	10.571	0.073	0	0	0	10
PL.28710	PL.28426	B	6 A (CWC)	7.27Y	121.2	0.04	3.84	5.46	4	39	10	97	0.01	0.0	10.740	0.170	5	1	2	8
PL.28711	PL.28710	B	6 A (CWC)	7.27Y	121.1	0.02	3.86	4.74	3	33	8	97	0.00	0.0	10.849	0.108	6	2	1	6
PL.28198	PL.28711	B	#1/0 ACSR	7.27Y	121.1	0.00	3.86	1.04	0	7	2	96	0.00	0.0	10.985	0.136	7	2	1	1
PL.28708	PL.28711	B	6 A (CWC)	7.27Y	121.1	0.01	3.87	2.78	2	20	5	97	0.00	0.0	10.953	0.104	10	3	1	4
PL.28709	PL.28708	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	1.33	1	9	2	98	0.00	0.0	11.027	0.074	1	0	1	3
PL.28707	PL.28709	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	1.14	1	8	2	97	0.00	0.0	11.149	0.123	7	2	1	2
PL.28706	PL.28707	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.13	0	1	0	100	0.00	0.0	11.262	0.112	1	0	1	1
PL.28196	PL.28426	B	#4 ACSR	7.27Y	121.2	0.00	3.81	2.40	2	17	4	97	0.00	0.0	10.625	0.054	9	2	1	2
PL.28197	PL.28196	B	#1/0 ACSR	7.27Y	121.2	0.00	3.81	1.09	0	8	2	97	0.00	0.0	10.674	0.049	8	2	1	1
PL.28194	PL.28713	B	#1/0 ACSR	7.27Y	121.2	0.00	3.78	1.03	0	7	2	96	0.00	0.0	10.551	0.054	7	2	1	1
PL.28949	PL.28424	B	#1/0 ACSR	7.29Y	121.4	0.00	3.56	1.00	0	7	2	96	0.00	0.0	9.999	0.005	0	0	0	2
PD.3938	PL.28949	B	15T	7.29Y	121.4	0.00	3.56	1.00	0	7	2	96	0.00	0.0	9.999	0.005	0	0	0	2
PL.28950	PD.3938	B	#1/0 ACSR	7.29Y	121.4	0.00	3.56	1.00	0	7	2	96	0.00	0.0	10.120	0.121	0	0	0	2
PL.28951	PL.28950	B	1/0 AL URD	7.29Y	121.4	0.00	3.56	1.00	1	7	2	96	0.00	0.0	10.124	0.004	0	0	0	2
PD.3939	PL.28951	B	10T	7.29Y	121.4	0.00	3.56	1.00	0	7	2	96	0.00	0.0	10.124	0.004	0	0	0	2
PL.28952	PD.3939	B	1/0 AL URD	7.29Y	121.4	0.00	3.56	1.00	1	7	2	96	0.00	0.0	10.151	0.027	7	2	2	2
PL.29095	PL.28672	B	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.24	0	2	0	100	0.00	0.0	9.401	0.004	0	0	0	1
PD.3989	PL.29095	B	15T	7.31Y	121.9	0.00	3.11	0.24	0	2	0	100	0.00	0.0	9.401	0.004	0	0	0	1
PL.29096	PD.3989	B	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.24	0	2	0	100	0.00	0.0	9.449	0.047	2	0	1	1
PL.28935	PL.28672	B	6 A (CWC)	7.31Y	121.9	0.00	3.11	12.48	9	89	22	97	0.00	0.0	9.401	0.004	0	0	0	24
PD.3931	PL.28935	B	15T	7.31Y	121.9	0.00	3.11	12.48	0	89	22	97	0.00	0.0	9.401	0.004	0	0	0	24
PL.28936	PD.3931	B	6 A (CWC)	7.31Y	121.9	0.02	3.13	12.48	9	89	22	97	0.01	0.0	9.431	0.030	2	0	1	24
PL.28673	PL.28936	B	6 A (CWC)	7.31Y	121.8	0.03	3.15	12.21	9	87	22	97	0.02	0.0	9.487	0.055	10	2	1	23
PL.28187	PL.28673	B	6 A (CWC)	7.31Y	121.8	0.05	3.21	10.85	8	77	19	97	0.03	0.0	9.597	0.111	1	0	1	22
PL.28184	PL.28187	B	6 A (CWC)	7.30Y	121.7	0.04	3.25	10.69	8	76	19	97	0.02	0.0	9.685	0.088	0	0	0	21
PL.28535	PL.28184	B	6 A (CWC)	7.30Y	121.7	0.02	3.27	10.57	8	75	19	97	0.01	0.0	9.731	0.046	9	2	1	20
PL.28678	PL.28535	B	6 A (CWC)	7.30Y	121.7	0.02	3.29	5.14	4	36	9	97	0.00	0.0	9.808	0.076	5	1	3	8
PL.28679	PL.28678	B	6 A (CWC)	7.30Y	121.7	0.01	3.30	4.41	3	31	8	97	0.00	0.0	9.863	0.056	0	0	0	5
PL.28174	PL.28679	B	#1/0 ACSR	7.30Y	121.7	0.00	3.30	0.97	0	7	2	96	0.00	0.0	9.881	0.018	7	2	1	1
PL.28676	PL.28679	B	6 A (CWC)	7.30Y	121.7	0.00	3.31	3.44	2	24	6	97	0.00	0.0	9.898	0.035	4	1	1	4

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28677	PL.28676	B	6 A (CWC)	7.30Y	121.7	0.01	3.32	2.90	2	21	5	97	0.00	0.0	9.981	0.083	0	0	0	3
PL.28534	PL.28677	B	6 A (CWC)	7.30Y	121.7	0.00	3.32	2.16	2	15	4	97	0.00	0.0	10.041	0.060	15	4	2	2
PL.28175	PL.28677	B	6 A (CWC)	7.30Y	121.7	0.00	3.32	0.74	1	5	1	98	0.00	0.0	10.097	0.116	5	1	1	1
PL.28536	PL.28535	B	6 A (CWC)	7.30Y	121.7	0.01	3.28	4.19	3	30	7	97	0.00	0.0	9.774	0.043	3	1	1	11
PL.28173	PL.28536	B	6 A (CWC)	7.30Y	121.7	0.00	3.28	3.79	3	27	7	97	0.00	0.0	9.786	0.011	2	0	1	10
PL.28680	PL.28173	B	6 A (CWC)	7.30Y	121.7	0.01	3.29	3.51	3	25	6	97	0.00	0.0	9.829	0.043	0	0	0	9
PL.28681	PL.28680	B	6 A (CWC)	7.30Y	121.7	0.01	3.30	3.51	3	25	6	97	0.00	0.0	9.877	0.048	0	0	0	9
PL.28172	PL.28681	B	#4 ACSR	7.30Y	121.7	0.00	3.30	0.61	0	4	1	97	0.00	0.0	9.947	0.070	4	1	1	1
PL.28684	PL.28681	B	6 A (CWC)	7.30Y	121.7	0.01	3.31	2.90	2	21	5	97	0.00	0.0	9.958	0.080	3	1	2	8
PL.28685	PL.28684	B	6 A (CWC)	7.30Y	121.7	0.02	3.32	2.44	2	17	4	97	0.00	0.0	10.112	0.154	0	0	0	6
PL.28419	PL.28685	B	6 A (CWC)	7.30Y	121.7	0.01	3.33	1.95	1	14	3	98	0.00	0.0	10.185	0.072	0	0	0	4
PL.28287	PL.28419	B	6 A (CWC)	7.30Y	121.7	0.01	3.34	1.95	1	14	3	98	0.00	0.0	10.258	0.073	0	0	0	4
PL.28167	PL.28287	B	6 A (CWC)	7.30Y	121.7	0.00	3.34	1.95	1	14	3	98	0.00	0.0	10.309	0.051	0	0	0	4
PL.28420	PL.28167	B	6 A (CWC)	7.30Y	121.6	0.01	3.35	1.95	1	14	3	98	0.00	0.0	10.413	0.104	0	0	0	4
PL.28474	PL.28420	B	6 A (CWC)	7.30Y	121.6	0.01	3.36	1.95	1	14	3	98	0.00	0.0	10.504	0.091	0	0	0	4
PL.28473	PL.28474	B	6 A (CWC)	7.30Y	121.6	0.01	3.37	1.95	1	14	3	98	0.00	0.0	10.591	0.087	0	0	0	4
PL.28166	PL.28473	B	6 A (CWC)	7.30Y	121.6	0.01	3.37	1.01	1	7	2	96	0.00	0.0	10.720	0.129	0	0	0	1
PL.28421	PL.28166	B	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	10.765	0.045	0	0	0	0
PL.28165	PL.28166	B	#2 ACSR	7.30Y	121.6	0.00	3.37	1.01	1	7	2	96	0.00	0.0	10.761	0.041	0	0	0	1
PL.28164	PL.28165	B	#2 ACSR	7.30Y	121.6	0.00	3.38	1.01	1	7	2	96	0.00	0.0	10.906	0.145	0	0	0	1
PL.28477	PL.28164	B	#2 ACSR	7.30Y	121.6	0.00	3.38	1.01	1	7	2	96	0.00	0.0	11.058	0.151	0	0	0	1
PL.28163	PL.28477	B	#2 ACSR	7.30Y	121.6	0.00	3.39	1.01	1	7	2	96	0.00	0.0	11.204	0.147	0	0	0	1
PL.28162	PL.28163	B	#2 ACSR	7.30Y	121.6	0.00	3.39	1.01	1	7	2	96	0.00	0.0	11.318	0.114	0	0	0	1
PL.28161	PL.28162	B	#2 ACSR	7.30Y	121.6	0.00	3.39	1.01	1	7	2	96	0.00	0.0	11.381	0.063	0	0	0	1
PL.28160	PL.28161	B	#2 ACSR	7.30Y	121.6	0.00	3.39	1.01	1	7	2	96	0.00	0.0	11.416	0.035	7	2	1	1
PL.28168	PL.28473	B	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.46	0	3	1	95	0.00	0.0	10.709	0.118	0	0	0	1
PL.28475	PL.28168	B	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.46	0	3	1	95	0.00	0.0	10.825	0.116	0	0	0	1
PL.28476	PL.28475	B	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.46	0	3	1	95	0.00	0.0	10.886	0.061	3	1	1	1
PL.28682	PL.28473	B	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.49	0	3	1	95	0.00	0.0	10.713	0.122	0	0	1	2
PL.28683	PL.28682	B	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.48	0	3	1	95	0.00	0.0	10.839	0.125	3	1	1	1
PL.28169	PL.28167	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	10.433	0.124	0	0	0	0

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28170	PL.28685	B	6 A (CWC)	7.30Y	121.7	0.00	3.32	0.49	0	3	1	95	0.00	0.0	10.183	0.071	3	1	1	2
PL.28171	PL.28170	B	#4 ACSR	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	10.259	0.076	0	0	1	1
PL.28674	PL.28184	B	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.12	0	1	0	100	0.00	0.0	9.713	0.028	1	0	1	1
PL.28675	PL.28674	B	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	9.791	0.078	0	0	0	0
PL.28178	PL.28179	B	#4 ACSR	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	8.411	0.095	0	0	0	0
PL.28467	PL.28178	B	#4 ACSR	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	8.598	0.188	0	0	0	0
PL.28181	PL.28467	B	#1/0 ACSR	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	8.635	0.037	0	0	0	0
PL.28142	PL.28461	B	6 A (CWC)	7.48Y	124.7	0.01	0.30	2.29	2	17	4	97	0.00	0.0	7.552	0.125	0	0	0	5
PL.28464	PL.28142	B	6 A (CWC)	7.48Y	124.7	0.01	0.32	2.29	2	17	4	97	0.00	0.0	7.678	0.125	0	0	0	5
PL.28143	PL.28464	B	6 A (CWC)	7.48Y	124.7	0.01	0.33	2.29	2	17	4	97	0.00	0.0	7.786	0.108	0	0	0	5
PL.28532	PL.28143	B	6 A (CWC)	7.48Y	124.7	0.01	0.33	1.19	1	9	2	98	0.00	0.0	7.885	0.100	0	0	0	3
PL.28533	PL.28532	B	6 A (CWC)	7.48Y	124.7	0.00	0.33	1.19	1	9	2	98	0.00	0.0	7.932	0.046	9	2	3	3
PL.28144	PL.28143	B	#1/0 ACSR	7.48Y	124.7	0.00	0.33	1.10	0	8	2	97	0.00	0.0	7.824	0.039	8	2	2	2
PL.28415	PL.28464	B	6 A (CWC)	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.761	0.083	0	0	0	0
PL.28140	PL.28461	B	6 A (CWC)	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	7.558	0.130	0	0	0	0
PL.28462	PL.28140	B	6 A (CWC)	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	7.699	0.141	0	0	0	0
PL.28463	PL.28462	B	6 A (CWC)	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	7.868	0.169	0	0	0	0
PL.28135	PL.28134	B	#1/0 ACSR	7.51Y	125.2	0.00	-0.17	0.23	0	2	0	100	0.00	0.0	6.954	0.010	2	0	1	1
PL.28694	PL.28130	B	#2 ACSR	7.52Y	125.4	0.00	-0.39	1.12	1	8	2	97	0.00	0.0	6.747	0.027	6	1	3	5
PL.28695	PL.28694	B	#2 ACSR	7.52Y	125.4	0.00	-0.39	0.37	0	3	1	95	0.00	0.0	6.861	0.114	0	0	1	2
PL.28693	PL.28695	B	#2 ACSR	7.52Y	125.4	0.00	-0.39	0.34	0	3	1	95	0.00	0.0	6.944	0.083	3	1	1	1
PL.28132	PL.28130	B	#2 ACSR	7.52Y	125.4	0.00	-0.40	0.88	1	6	2	95	0.00	0.0	6.741	0.020	6	2	1	1
PL.28939	PL.28517	A	#1/0 ACSR	7.14Y	119.1	0.00	5.95	0.51	0	4	1	97	0.00	0.0	6.032	0.005	0	0	0	1
PD.3933	PL.28939	A	30T	7.14Y	119.1	0.00	5.95	0.51	0	4	1	97	0.00	0.0	6.032	0.005	0	0	0	1
PL.28940	PD.3933	A	#1/0 ACSR	7.14Y	119.1	0.00	5.95	0.51	0	4	1	97	0.00	0.0	6.045	0.014	4	1	1	1
PL.29089	PL.29088	C	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.69	0	5	1	98	0.00	0.0	5.826	0.004	0	0	0	1
PD.3986	PL.29089	C	30T	7.15Y	119.1	0.00	5.87	0.69	0	5	1	98	0.00	0.0	5.826	0.004	0	0	0	1
PL.29090	PD.3986	C	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.69	0	5	1	98	0.00	0.0	5.949	0.124	0	0	0	1
PL.28453	PL.29090	C	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.69	0	5	1	98	0.00	0.0	6.050	0.101	5	1	1	1
PL.28941	PL.29088	C	#1/0 ACSR	7.15Y	119.1	0.00	5.87	1.94	1	13	3	97	0.00	0.0	5.825	0.004	0	0	0	6
PD.3934	PL.28941	C	30T	7.15Y	119.1	0.00	5.87	1.94	0	13	3	97	0.00	0.0	5.825	0.004	0	0	0	6

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28942	PD.3934	C	#1/0 ACSR	7.15Y	119.1	0.00	5.87	1.94	1	13	3	97	0.00	0.0	5.831	0.005	0	0	0	6
PL.28696	PL.28942	C	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.97	0	7	2	96	0.00	0.0	5.903	0.072	0	0	1	4
PL.28697	PL.28696	C	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.90	0	6	2	95	0.00	0.0	6.013	0.110	6	2	3	3
PL.28124	PL.28942	C	#2 ACSR	7.15Y	119.1	0.00	5.87	0.92	1	6	2	95	0.00	0.0	5.885	0.054	6	2	1	1
PL.28123	PL.28942	C	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.05	0	0	0	100	0.00	0.0	5.870	0.040	0	0	1	1
PL.28943	PL.28408	A	#1/0 ACSR	7.15Y	119.2	0.00	5.77	2.31	1	16	4	97	0.00	0.0	5.565	0.005	0	0	0	2
PD.3935	PL.28943	A	30T	7.15Y	119.2	0.00	5.77	2.31	0	16	4	97	0.00	0.0	5.565	0.005	0	0	0	2
PL.28944	PD.3935	A	#1/0 ACSR	7.15Y	119.2	0.00	5.77	2.31	1	16	4	97	0.00	0.0	5.599	0.035	9	2	1	2
PL.28122	PL.28944	A	#1/0 ACSR	7.15Y	119.2	0.00	5.77	1.01	0	7	2	96	0.00	0.0	5.625	0.026	7	2	1	1
PL.29110	PL.28094	C	#2 ACSR	7.16Y	119.3	0.01	5.70	5.41	3	38	9	97	0.00	0.0	5.401	0.040	10	3	2	13
PL.28099	PL.29110	C	6 A (CWC)	7.16Y	119.3	0.01	5.71	3.25	2	23	6	97	0.00	0.0	5.485	0.084	5	1	2	7
PL.28100	PL.28099	C	6 A (CWC)	7.16Y	119.3	0.00	5.71	2.51	2	17	4	97	0.00	0.0	5.540	0.054	17	4	5	5
PL.28407	PL.29110	C	#2 ACSR	7.16Y	119.3	0.00	5.70	0.60	0	4	1	97	0.00	0.0	5.488	0.087	4	1	1	3
PL.28929	PL.28407	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.01	0	0	0	100	0.00	0.0	5.492	0.004	0	0	0	2
PD.3928	PL.28929	C	20T	7.16Y	119.3	0.00	5.70	0.01	0	0	0	100	0.00	0.0	5.492	0.004	0	0	0	2
PL.28930	PD.3928	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.01	0	0	0	100	0.00	0.0	5.615	0.123	0	0	0	2
PL.28666	PL.28930	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.01	0	0	0	100	0.00	0.0	5.686	0.071	0	0	1	2
PL.28667	PL.28666	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.01	0	0	0	100	0.00	0.0	5.716	0.030	0	0	1	1
PL.28096	PL.29110	C	6 A (CWC)	7.16Y	119.3	0.00	5.70	0.06	0	0	0	100	0.00	0.0	5.479	0.077	0	0	1	1
PL.29085	PL.28094	A	#2 ACSR	7.16Y	119.3	0.00	5.69	1.49	1	10	3	96	0.00	0.0	5.365	0.004	0	0	0	3
PD.3985	PL.29085	A	30T	7.16Y	119.3	0.00	5.69	1.49	0	10	3	96	0.00	0.0	5.365	0.004	0	0	0	3
PL.29086	PD.3985	A	#2 ACSR	7.16Y	119.3	0.00	5.69	1.49	1	10	3	96	0.00	0.0	5.386	0.021	4	1	1	3
PL.28668	PL.29086	A	#2 ACSR	7.16Y	119.3	0.00	5.69	0.96	1	7	2	96	0.00	0.0	5.410	0.023	0	0	0	2
PL.28097	PL.28668	A	#2 ACSR	7.16Y	119.3	0.00	5.69	0.96	1	7	2	96	0.00	0.0	5.453	0.044	0	0	0	2
PL.28288	PL.28097	A	#2 ACSR	7.16Y	119.3	0.00	5.70	0.96	1	7	2	96	0.00	0.0	5.522	0.068	7	2	1	2
PL.28098	PL.28288	A	#2 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	5.541	0.019	0	0	0	1
PL.28289	PL.28098	A	#2 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	5.595	0.054	0	0	0	1
PL.28290	PL.28289	A	#2 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	5.650	0.055	0	0	1	1
PL.28900	PL.29128	A	#1/0 ACSR	7.16Y	119.4	0.03	5.65	53.36	23	370	95	97	0.09	0.0	5.214	0.028	0	0	0	66
PL.64897	PL.28900	A	6 A (CWC)	7.16Y	119.3	0.01	5.66	53.36	38	370	95	97	0.02	0.0	5.217	0.003	0	0	0	66
PD.9969	PL.64897	A	100L	7.16Y	119.3	0.00	5.66	53.36	53	370	95	97	0.00	0.0	5.217	0.003	0	0	0	66

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.64898	PD.9969	A	#1/0 ACSR	7.15Y	119.2	0.18	5.84	53.36	23	370	95	97	0.45	0.1	5.365	0.147	0	0	0	66
PL.28447	PL.64898	A	#1/0 ACSR	7.14Y	119.0	0.13	5.97	53.36	23	370	94	97	0.33	0.1	5.470	0.105	0	0	0	66
PL.28085	PL.28447	A	6 A (CWC)	7.14Y	119.0	0.01	5.98	4.22	3	29	7	97	0.00	0.0	5.540	0.070	0	0	0	1
PL.28101	PL.28085	A	6 A (CWC)	7.14Y	119.0	0.00	5.98	4.22	3	29	7	97	0.00	0.0	5.572	0.032	29	7	1	1
PL.28397	PL.28447	A	#1/0 ACSR	7.13Y	118.8	0.20	6.17	49.14	21	340	87	97	0.48	0.1	5.653	0.183	1	0	1	65
PL.28103	PL.28397	A	6 A (CWC)	7.13Y	118.8	0.00	6.17	2.25	2	16	4	97	0.00	0.0	5.657	0.004	0	0	0	1
PD.3927	PL.28103	A	20T	7.13Y	118.8	0.00	6.17	2.25	0	16	4	97	0.00	0.0	5.657	0.004	0	0	0	1
PL.28664	PD.3927	A	#1/0 ACSR	7.13Y	118.8	0.00	6.17	2.25	1	16	4	97	0.00	0.0	5.738	0.081	16	4	1	1
PL.64899	PL.28397	A	#1/0 ACSR	7.13Y	118.8	0.03	6.20	46.69	20	323	82	97	0.07	0.0	5.684	0.031	0	0	0	63
PL.64900	PL.64899	A	#1/0 ACSR	7.13Y	118.8	0.00	6.20	0.89	0	6	2	95	0.00	0.0	5.774	0.090	6	2	1	1
PL.64903	PL.64899	A	#1/0 ACSR	7.12Y	118.7	0.12	6.32	45.80	20	316	80	97	0.26	0.1	5.797	0.113	0	0	0	62
PL.64906	PL.64903	A	#1/0 ACSR	7.12Y	118.7	0.01	6.33	8.85	4	61	15	97	0.01	0.0	5.865	0.068	0	0	0	16
PD.9970	PL.64906	A	25T	7.12Y	118.7	0.00	6.33	8.85	0	61	15	97	0.00	0.0	5.865	0.068	0	0	0	16
PL.64907	PD.9970	A	#1/0 ACSR	7.12Y	118.7	0.01	6.35	8.85	4	61	15	97	0.01	0.0	5.929	0.064	0	0	0	16
PL.64909	PL.64907	A	#1/0 ACSR	7.12Y	118.7	0.00	6.35	0.04	0	0	0	100	0.00	0.0	6.024	0.096	0	0	1	1
PL.64916	PL.64907	A	#1/0 ACSR	7.12Y	118.6	0.02	6.36	8.81	4	61	15	97	0.01	0.0	6.005	0.076	0	0	0	15
PL.64917	PL.64916	A	#1/0 ACSR	7.12Y	118.6	0.02	6.39	7.98	3	55	14	97	0.01	0.0	6.141	0.136	0	0	0	13
PL.64919	PL.64917	A	#1/0 ACSR	7.11Y	118.6	0.04	6.42	7.98	3	55	14	97	0.01	0.0	6.340	0.199	0	0	0	13
PL.28110	PL.64919	A	#1/0 ACSR	7.11Y	118.6	0.00	6.43	2.23	1	15	4	97	0.00	0.0	6.410	0.070	15	4	1	1
PL.64920	PL.64919	A	#1/0 ACSR	7.11Y	118.6	0.00	6.42	1.11	0	8	2	97	0.00	0.0	6.391	0.051	8	2	2	2
PL.64921	PL.64919	A	#1/0 ACSR	7.11Y	118.6	0.01	6.44	4.63	2	32	8	97	0.00	0.0	6.481	0.141	0	0	0	10
PL.28669	PL.64921	A	6 A (CWC)	7.11Y	118.5	0.03	6.47	4.63	3	32	8	97	0.01	0.0	6.628	0.146	9	2	2	10
PL.28670	PL.28669	A	6 A (CWC)	7.11Y	118.5	0.01	6.47	3.39	2	23	6	97	0.00	0.0	6.676	0.048	11	3	1	8
PL.28111	PL.28670	A	#4 ACSR	7.11Y	118.5	0.00	6.48	1.81	1	12	3	97	0.00	0.0	6.789	0.113	12	3	7	7
PL.64918	PL.64916	A	#1/0 ACSR	7.12Y	118.6	0.00	6.36	0.83	0	6	1	99	0.00	0.0	6.053	0.048	0	0	0	2
PL.28813	PL.64918	A	#1/0 ACSR	7.12Y	118.6	0.00	6.37	0.83	0	6	1	99	0.00	0.0	6.146	0.093	0	0	1	2
PL.28814	PL.28813	A	#1/0 ACSR	7.12Y	118.6	0.00	6.37	0.82	0	6	1	99	0.00	0.0	6.176	0.029	6	1	1	1
PL.64908	PL.64903	A	#1/0 ACSR	7.12Y	118.6	0.05	6.38	34.00	15	235	60	97	0.09	0.0	5.866	0.070	0	0	0	43
PL.64923	PL.64908	A	#1/0 ACSR	7.11Y	118.5	0.09	6.47	34.00	15	235	59	97	0.15	0.1	5.983	0.116	0	0	0	43
PD.9971	PL.64923	A	25T	7.11Y	118.5	0.00	6.47	34.00	0	234	59	97	0.00	0.0	5.983	0.116	0	0	0	43
PL.64924	PD.9971	A	#1/0 ACSR	7.11Y	118.5	0.05	6.52	34.00	15	234	59	97	0.08	0.0	6.047	0.065	0	0	0	43

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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
REG78	PL.64924	A	76.2 KVA	7.53Y	125.5	-7.06	-0.55	34.00	34	234	59	97	percent Boost=		5.62	Tap=	9.0			43
PL.64925	REG78	A	#1/0 ACSR	7.52Y	125.4	0.14	-0.40	32.09	14	234	59	97	0.22	0.1	6.245	0.198	0	0	0	43
PL.64929	PL.64925	A	#1/0 ACSR	7.52Y	125.3	0.07	-0.34	28.92	13	211	53	97	0.09	0.0	6.346	0.101	0	0	0	39
PL.28662	PL.64929	A	#1/0 ACSR	7.52Y	125.3	0.08	-0.25	28.92	13	211	53	97	0.11	0.1	6.472	0.126	7	2	1	39
PL.28663	PL.28662	A	#1/0 ACSR	7.51Y	125.2	0.03	-0.22	28.01	12	204	51	97	0.04	0.0	6.518	0.046	4	1	1	38
PL.28661	PL.28663	A	#1/0 ACSR	7.51Y	125.1	0.11	-0.12	27.48	12	200	50	97	0.14	0.1	6.688	0.170	0	0	0	37
PL.28112	PL.28661	A	6 A (CWC)	7.50Y	125.0	0.08	-0.04	14.85	11	108	27	97	0.06	0.1	6.807	0.119	0	0	0	16
PL.28659	PL.28112	A	#1/0 ACSR	7.50Y	125.0	0.01	-0.03	13.02	6	95	24	97	0.01	0.0	6.848	0.041	0	0	1	15
PL.28660	PL.28659	A	#1/0 ACSR	7.50Y	125.0	0.04	0.01	13.00	6	95	24	97	0.02	0.0	6.970	0.122	2	1	1	14
PL.28658	PL.28660	A	#1/0 ACSR	7.50Y	125.0	0.02	0.03	12.70	6	92	23	97	0.01	0.0	7.053	0.083	11	3	1	13
PL.28657	PL.28658	A	#1/0 ACSR	7.50Y	125.0	0.01	0.04	11.25	5	82	20	97	0.01	0.0	7.092	0.040	4	1	3	12
PL.28656	PL.28657	A	#1/0 ACSR	7.50Y	124.9	0.01	0.05	10.77	5	78	20	97	0.01	0.0	7.134	0.042	0	0	0	9
PL.28654	PL.28656	A	#1/0 ACSR	7.50Y	124.9	0.01	0.06	6.19	3	45	11	97	0.00	0.0	7.199	0.065	14	4	2	6
PL.28655	PL.28654	A	#1/0 ACSR	7.50Y	124.9	0.00	0.07	4.23	2	31	8	97	0.00	0.0	7.246	0.047	0	0	0	4
PL.28925	PL.28655	A	1/0 AL URD	7.50Y	124.9	0.00	0.07	1.34	1	10	2	98	0.00	0.0	7.251	0.005	0	0	0	1
PD.3925	PL.28925	A	20T	7.50Y	124.9	0.00	0.07	1.34	0	10	2	98	0.00	0.0	7.251	0.005	0	0	0	1
PL.28926	PD.3925	A	1/0 AL URD	7.50Y	124.9	0.00	0.07	1.34	1	10	2	98	0.00	0.0	7.299	0.048	10	2	1	1
PL.28401	PL.28655	A	#1/0 ACSR	7.50Y	124.9	0.00	0.07	2.90	1	21	5	97	0.00	0.0	7.260	0.013	12	3	2	3
PL.28113	PL.28401	A	#1/0 ACSR	7.50Y	124.9	0.00	0.07	1.26	1	9	2	98	0.00	0.0	7.439	0.179	9	2	1	1
PL.65838	PL.28654	A	#1/0 ACSR	7.50Y	124.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	7.249	0.050	0	0	0	0
PL.65839	PL.65838	A	#1/0 ACSR	7.50Y	124.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	7.353	0.104	0	0	0	0
PL.28508	PL.28656	A	#1/0 ACSR	7.50Y	124.9	0.01	0.06	4.58	2	33	8	97	0.00	0.0	7.254	0.120	6	2	1	3
PL.28509	PL.28508	A	#1/0 ACSR	7.50Y	124.9	0.00	0.06	1.65	1	12	3	97	0.00	0.0	7.297	0.043	12	3	1	1
PL.28114	PL.28508	A	#1/0 ACSR	7.50Y	124.9	0.00	0.06	2.07	1	15	4	97	0.00	0.0	7.262	0.008	15	4	1	1
PL.28400	PL.28112	A	6 A (CWC)	7.50Y	125.0	0.00	-0.04	1.82	1	13	3	97	0.00	0.0	6.853	0.046	13	3	1	1
PL.28510	PL.28661	A	#1/0 ACSR	7.51Y	125.1	0.03	-0.09	12.63	5	92	23	97	0.02	0.0	6.788	0.100	6	1	2	21
PL.28428	PL.28510	A	#1/0 ACSR	7.51Y	125.1	0.00	-0.09	0.78	0	6	1	99	0.00	0.0	6.794	0.007	6	1	1	1
PL.28652	PL.28510	A	#1/0 ACSR	7.50Y	125.1	0.01	-0.08	11.04	5	80	20	97	0.01	0.0	6.845	0.058	4	1	1	18
PL.28653	PL.28652	A	#1/0 ACSR	7.50Y	125.1	0.01	-0.07	10.47	5	76	19	97	0.00	0.0	6.890	0.045	30	7	5	17
PL.28402	PL.28653	A	6 A (CWC)	7.50Y	125.1	0.00	-0.07	1.69	1	12	3	97	0.00	0.0	6.950	0.061	12	3	1	1
PL.28116	PL.28653	A	#4 ACSR	7.50Y	125.0	0.03	-0.04	4.72	4	34	9	97	0.01	0.0	7.044	0.154	0	0	0	11

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28119	PL.28116	A	#1/0 ACSR	7.50Y	125.0	0.00	-0.04	0.61	0	4	1	97	0.00	0.0	7.085	0.041	4	1	1	1
PL.28118	PL.28116	A	#2 ACSR	7.50Y	125.0	0.00	-0.04	0.49	0	4	1	97	0.00	0.0	7.063	0.019	4	1	1	1
PL.28117	PL.28116	A	#4 ACSR	7.50Y	125.0	0.01	-0.03	3.63	3	26	7	97	0.00	0.0	7.099	0.055	0	0	1	9
PL.28120	PL.28117	A	#4 ACSR	7.50Y	125.0	0.00	-0.02	3.61	3	26	7	97	0.00	0.0	7.126	0.026	12	3	4	8
PL.28923	PL.28120	A	#1/0 ACSR	7.50Y	125.0	0.00	-0.02	0.74	0	5	1	98	0.00	0.0	7.130	0.005	0	0	0	1
PD.3924	PL.28923	A	20T	7.50Y	125.0	0.00	-0.02	0.74	0	5	1	98	0.00	0.0	7.130	0.005	0	0	0	1
PL.28924	PD.3924	A	#1/0 ACSR	7.50Y	125.0	0.00	-0.02	0.74	0	5	1	98	0.00	0.0	7.178	0.048	5	1	1	1
PL.28403	PL.28120	A	#4 ACSR	7.50Y	125.0	0.00	-0.02	1.28	1	9	2	98	0.00	0.0	7.187	0.061	9	2	3	3
PL.64928	PL.64925	A	#1/0 ACSR	7.52Y	125.4	0.00	-0.40	3.16	1	23	6	97	0.00	0.0	6.308	0.063	7	2	1	4
PL.28399	PL.64928	A	#1/0 ACSR	7.52Y	125.4	0.01	-0.39	2.26	1	16	4	97	0.00	0.0	6.424	0.116	0	0	0	3
PL.28451	PL.28399	A	#1/0 ACSR	7.52Y	125.4	0.00	-0.39	2.26	1	16	4	97	0.00	0.0	6.533	0.109	16	4	3	3
PL.64905	PL.64903	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	1.84	1	13	3	97	0.00	0.0	5.902	0.105	13	3	2	2
PL.64902	PL.64903	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	1.11	0	8	2	97	0.00	0.0	5.840	0.044	8	2	1	1
CP.43	PL.29127	ABC	Cap (300)	7.17Y	119.4	0.00	5.57	0.00	0	0	0	100	0.00	0.0	5.132	0.044	0	0	0	0
PL.28905	PL.28368	C	#2 ACSR	7.18Y	119.7	0.00	5.31	1.27	1	9	2	98	0.00	0.0	4.805	0.004	0	0	0	1
PD.3914	PL.28905	C	30T	7.18Y	119.7	0.00	5.31	1.27	0	9	2	98	0.00	0.0	4.805	0.004	0	0	0	1
PL.28906	PD.3914	C	#2 ACSR	7.18Y	119.7	0.00	5.32	1.27	1	9	2	98	0.00	0.0	4.825	0.020	9	2	1	1
PL.28080	PL.28512	A	#4 ACSR	7.20Y	120.0	0.00	5.04	2.93	2	20	5	97	0.00	0.0	4.462	0.004	0	0	0	4
PD.3916	PL.28080	A	30T	7.20Y	120.0	0.00	5.04	2.93	0	20	5	97	0.00	0.0	4.462	0.004	0	0	0	4
PL.28079	PD.3916	A	#1/0 ACSR	7.20Y	120.0	0.00	5.04	2.21	1	15	4	97	0.00	0.0	4.526	0.064	15	4	3	3
PL.28297	PD.3916	A	#4 ACSR	7.20Y	120.0	0.00	5.04	0.72	1	5	1	98	0.00	0.0	4.497	0.035	5	1	1	1
PL.28909	PL.28628	B	#2 ACSR	7.20Y	120.1	0.00	4.92	12.38	7	87	22	97	0.00	0.0	4.319	0.004	0	0	0	18
PD.3917	PL.28909	B	25T	7.20Y	120.1	0.00	4.92	12.38	0	87	22	97	0.00	0.0	4.319	0.004	0	0	0	18
PL.28910	PD.3917	B	#2 ACSR	7.20Y	120.1	0.00	4.92	12.38	7	87	22	97	0.00	0.0	4.326	0.007	8	2	1	18
PL.28078	PL.28910	B	#2 ACSR	7.20Y	120.1	0.00	4.92	0.70	0	5	1	98	0.00	0.0	4.351	0.025	5	1	2	2
PL.28650	PL.28910	B	#2 ACSR	7.20Y	120.1	0.02	4.94	10.60	6	74	19	97	0.01	0.0	4.386	0.060	6	2	1	15
PL.28651	PL.28650	B	#2 ACSR	7.20Y	120.0	0.01	4.96	9.69	6	68	17	97	0.01	0.0	4.430	0.044	0	0	0	14
PL.28366	PL.28651	B	#2 ACSR	7.20Y	120.0	0.01	4.97	8.56	5	60	15	97	0.00	0.0	4.469	0.039	0	0	0	13
PL.28088	PL.28366	B	#2 ACSR	7.20Y	120.0	0.00	4.97	1.23	1	9	2	98	0.00	0.0	4.516	0.047	9	2	1	1
PL.28087	PL.28366	B	#2 ACSR	7.20Y	120.0	0.03	5.00	7.34	4	51	13	97	0.01	0.0	4.601	0.132	6	2	1	12
PL.28089	PL.28087	B	#2 ACSR	7.20Y	120.0	0.00	5.00	0.67	0	5	1	98	0.00	0.0	4.621	0.020	0	0	0	6

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28367	PL.28089	B	#2 ACSR	7.20Y	120.0	0.00	5.00	0.38	0	3	1	95	0.00	0.0	4.648	0.027	3	1	1	1
PL.28090	PL.28089	B	#1/0 ACSR	7.20Y	120.0	0.00	5.00	0.28	0	2	0	100	0.00	0.0	4.675	0.054	2	0	5	5
PL.28513	PL.28087	B	#2 ACSR	7.20Y	120.0	0.01	5.01	5.74	3	40	10	97	0.00	0.0	4.661	0.059	6	2	1	5
PL.28091	PL.28513	B	#1/0 ACSR	7.20Y	120.0	0.00	5.01	1.05	0	7	2	96	0.00	0.0	4.682	0.022	7	2	1	1
PL.28514	PL.28513	B	#2 ACSR	7.20Y	120.0	0.01	5.01	3.82	2	27	7	97	0.00	0.0	4.709	0.049	0	0	0	3
PL.28092	PL.28514	B	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.93	0	7	2	96	0.00	0.0	4.769	0.060	7	2	1	1
PL.28093	PL.28514	B	#2 ACSR	7.20Y	120.0	0.01	5.02	2.88	2	20	5	97	0.00	0.0	4.800	0.091	0	0	0	2
PL.28626	PL.28093	B	#2 ACSR	7.20Y	120.0	0.01	5.03	2.88	2	20	5	97	0.00	0.0	4.946	0.146	8	2	1	2
PL.28627	PL.28626	B	#2 ACSR	7.20Y	120.0	0.00	5.03	1.73	1	12	3	97	0.00	0.0	4.988	0.043	12	3	1	1
PL.28086	PL.28651	B	#1/0 ACSR	7.20Y	120.0	0.00	4.96	1.13	0	8	2	97	0.00	0.0	4.532	0.102	8	2	1	1
PL.28915	PL.28361	A	#2 ACSR	7.26Y	121.1	0.00	3.92	0.60	0	4	1	97	0.00	0.0	3.293	0.005	0	0	0	2
PD.3920	PL.28915	A	30T	7.26Y	121.1	0.00	3.92	0.60	0	4	1	97	0.00	0.0	3.293	0.005	0	0	0	2
PL.28916	PD.3920	A	#2 ACSR	7.26Y	121.1	0.00	3.92	0.60	0	4	1	97	0.00	0.0	3.324	0.032	4	1	2	2
PL.28917	PL.28360	A	#2 ACSR	7.27Y	121.2	0.00	3.85	1.29	1	9	2	98	0.00	0.0	3.218	0.004	0	0	0	1
PD.3921	PL.28917	A	30T	7.27Y	121.2	0.00	3.85	1.29	0	9	2	98	0.00	0.0	3.218	0.004	0	0	0	1
PL.28918	PD.3921	A	#2 ACSR	7.27Y	121.2	0.00	3.85	1.29	1	9	2	98	0.00	0.0	3.254	0.035	9	2	1	1
PL.29081	PL.28360	C	#2 ACSR	7.27Y	121.2	0.00	3.85	0.55	0	4	1	97	0.00	0.0	3.218	0.004	0	0	0	1
PD.3983	PL.29081	C	30T	7.27Y	121.2	0.00	3.85	0.55	0	4	1	97	0.00	0.0	3.218	0.004	0	0	0	1
PL.29082	PD.3983	C	#2 ACSR	7.27Y	121.2	0.00	3.85	0.55	0	4	1	97	0.00	0.0	3.243	0.024	4	1	1	1
PL.29079	PL.28073	C	#2 ACSR	7.28Y	121.3	0.00	3.68	0.67	0	5	1	98	0.00	0.0	3.052	0.005	0	0	0	1
PD.3982	PL.29079	C	30T	7.28Y	121.3	0.00	3.68	0.67	0	5	1	98	0.00	0.0	3.052	0.005	0	0	0	1
PL.29080	PD.3982	C	#2 ACSR	7.28Y	121.3	0.00	3.68	0.67	0	5	1	98	0.00	0.0	3.120	0.068	5	1	1	1
PL.29077	PL.28597	C	#4 ACSR	7.29Y	121.5	0.00	3.50	3.34	3	24	6	97	0.00	0.0	2.879	0.005	0	0	0	5
PD.3981	PL.29077	C	30T	7.29Y	121.5	0.00	3.50	3.34	0	24	6	97	0.00	0.0	2.879	0.005	0	0	0	5
PL.29078	PD.3981	C	#4 ACSR	7.29Y	121.5	0.02	3.52	3.34	3	24	6	97	0.00	0.0	3.028	0.149	0	0	0	5
PL.28446	PL.29078	C	#4 ACSR	7.29Y	121.5	0.01	3.53	3.34	3	24	6	97	0.00	0.0	3.109	0.081	0	0	0	5
PL.28074	PL.28446	C	#4 ACSR	7.29Y	121.5	0.00	3.53	0.84	1	6	1	99	0.00	0.0	3.168	0.059	6	1	2	2
PL.28358	PL.28446	C	#4 ACSR	7.29Y	121.5	0.01	3.54	2.50	2	18	4	98	0.00	0.0	3.287	0.178	18	4	3	3
PL.29073	PL.28605	A	#2 ACSR	7.30Y	121.7	0.00	3.27	7.37	4	52	13	97	0.00	0.0	2.668	0.005	0	0	0	8
PD.3979	PL.29073	A	30T	7.30Y	121.7	0.00	3.27	7.37	0	52	13	97	0.00	0.0	2.668	0.005	0	0	0	8
PL.29074	PD.3979	A	#2 ACSR	7.30Y	121.7	0.01	3.28	7.37	4	52	13	97	0.00	0.0	2.722	0.053	0	0	0	8

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28602	PL.29074	A	#2 ACSR	7.30Y	121.7	0.01	3.29	4.09	2	29	7	97	0.00	0.0	2.779	0.058	4	1	1	4
PL.28603	PL.28602	A	#2 ACSR	7.30Y	121.7	0.01	3.30	3.50	2	25	6	97	0.00	0.0	2.847	0.068	8	2	1	3
PL.28601	PL.28603	A	#2 ACSR	7.30Y	121.7	0.00	3.30	2.37	1	17	4	97	0.00	0.0	2.881	0.034	0	0	0	2
PL.28860	PL.28601	A	1/0 AL URD	7.30Y	121.7	0.00	3.30	2.37	1	17	4	97	0.00	0.0	2.885	0.004	0	0	0	2
PD.3890	PL.28860	A	20T	7.30Y	121.7	0.00	3.30	2.37	0	17	4	97	0.00	0.0	2.885	0.004	0	0	0	2
PL.28861	PD.3890	A	1/0 AL URD	7.30Y	121.7	0.00	3.30	2.37	1	17	4	97	0.00	0.0	2.921	0.036	0	0	0	2
PD.3889	PL.28861	A	12T	7.30Y	121.7	0.00	3.30	2.37	0	17	4	97	0.00	0.0	2.921	0.036	0	0	0	2
PL.28859	PD.3889	A	1/0 AL URD	7.30Y	121.7	0.00	3.30	2.37	1	17	4	97	0.00	0.0	2.926	0.005	0	0	0	2
PL.28505	PL.28859	A	#2 ACSR	7.30Y	121.7	0.00	3.30	2.37	1	17	4	97	0.00	0.0	2.930	0.004	0	0	0	2
PL.28506	PL.28505	A	#2 ACSR	7.30Y	121.7	0.00	3.30	1.01	1	7	2	96	0.00	0.0	2.965	0.036	0	0	0	1
PL.28507	PL.28506	A	#2 ACSR	7.30Y	121.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	3.014	0.049	0	0	0	0
PL.28062	PL.28506	A	#2 ACSR	7.30Y	121.7	0.00	3.30	1.01	1	7	2	96	0.00	0.0	2.996	0.031	7	2	1	1
PL.28063	PL.28505	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	1.36	1	10	2	98	0.00	0.0	2.974	0.044	10	2	1	1
PL.28648	PL.29074	A	#2 ACSR	7.30Y	121.7	0.01	3.29	2.66	2	19	5	97	0.00	0.0	2.888	0.166	3	1	1	3
PL.28649	PL.28648	A	#2 ACSR	7.30Y	121.7	0.01	3.30	2.17	1	15	4	97	0.00	0.0	2.976	0.089	0	0	0	2
PL.28862	PL.28649	A	1/0 AL URD	7.30Y	121.7	0.00	3.30	2.17	1	15	4	97	0.00	0.0	2.980	0.004	0	0	0	2
PD.3891	PL.28862	A	20T	7.30Y	121.7	0.00	3.30	2.17	0	15	4	97	0.00	0.0	2.980	0.004	0	0	0	2
PL.29075	PD.3891	A	1/0 AL URD	7.30Y	121.7	0.00	3.30	2.17	1	15	4	97	0.00	0.0	2.988	0.007	0	0	0	2
PD.3980	PL.29075	A	12T	7.30Y	121.7	0.00	3.30	2.17	0	15	4	97	0.00	0.0	2.988	0.007	0	0	0	2
PL.29076	PD.3980	A	1/0 AL URD	7.30Y	121.7	0.00	3.30	2.17	1	15	4	97	0.00	0.0	2.992	0.005	8	2	1	2
PL.28071	PL.29076	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	1.10	0	8	2	97	0.00	0.0	3.143	0.150	8	2	1	1
PL.28070	PL.29074	A	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.62	0	4	1	97	0.00	0.0	2.813	0.091	0	0	0	1
PL.28072	PL.28070	A	#4 ACSR	7.30Y	121.7	0.00	3.29	0.62	0	4	1	97	0.00	0.0	2.866	0.053	4	1	1	1
PL.28863	PL.28357	C	#2 ACSR	7.31Y	121.9	0.00	3.12	3.11	2	22	6	96	0.00	0.0	2.538	0.004	0	0	0	3
PD.3892	PL.28863	C	30T	7.31Y	121.9	0.00	3.12	3.11	0	22	6	96	0.00	0.0	2.538	0.004	0	0	0	3
PL.28864	PD.3892	C	#2 ACSR	7.31Y	121.9	0.00	3.13	3.11	2	22	6	96	0.00	0.0	2.598	0.060	17	4	2	3
PL.28608	PL.28864	C	#2 ACSR	7.31Y	121.9	0.00	3.13	0.66	0	5	1	98	0.00	0.0	2.648	0.050	5	1	1	1
PL.28869	PL.28355	A	#2 ACSR	7.32Y	122.1	0.00	2.94	3.54	2	25	6	97	0.00	0.0	2.384	0.005	0	0	0	5
PD.3895	PL.28869	A	30T	7.32Y	122.1	0.00	2.94	3.54	0	25	6	97	0.00	0.0	2.384	0.005	0	0	0	5
PL.28870	PD.3895	A	#2 ACSR	7.32Y	122.1	0.00	2.94	3.54	2	25	6	97	0.00	0.0	2.402	0.018	7	2	3	5
PL.28066	PL.28870	A	6 A (CWC)	7.32Y	122.1	0.01	2.95	2.57	2	18	5	96	0.00	0.0	2.463	0.061	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28067	PL.28066	A	#4 ACSR	7.32Y	122.1	0.00	2.95	1.70	1	12	3	97	0.00	0.0	2.519	0.056	12	3	1	1
PL.28871	PL.28503	C	#1/0 ACSR	7.33Y	122.2	0.00	2.85	18.60	8	132	33	97	0.00	0.0	2.309	0.005	0	0	0	30
PD.3896	PL.28871	C	30T	7.33Y	122.2	0.00	2.85	18.60	0	132	33	97	0.00	0.0	2.309	0.005	0	0	0	30
PL.28872	PD.3896	C	#1/0 ACSR	7.33Y	122.1	0.01	2.86	18.60	8	132	33	97	0.01	0.0	2.345	0.036	7	2	1	30
PL.28615	PL.28872	C	#1/0 ACSR	7.33Y	122.1	0.03	2.90	17.62	8	125	31	97	0.03	0.0	2.430	0.085	0	0	0	29
PL.28055	PL.28615	C	#4 ACSR	7.33Y	122.1	0.00	2.90	0.40	0	3	1	95	0.00	0.0	2.488	0.058	3	1	2	2
PL.28613	PL.28615	C	#1/0 ACSR	7.32Y	122.1	0.02	2.92	17.22	7	122	31	97	0.02	0.0	2.490	0.060	24	6	6	27
PL.28614	PL.28613	C	#1/0 ACSR	7.32Y	122.1	0.02	2.94	13.87	6	99	25	97	0.01	0.0	2.542	0.052	12	3	2	21
PL.28057	PL.28614	C	#1/0 ACSR	7.32Y	122.1	0.00	2.94	1.41	1	10	2	98	0.00	0.0	2.587	0.044	10	2	1	1
PL.28501	PL.28614	C	#1/0 ACSR	7.32Y	122.0	0.02	2.96	10.80	5	77	19	97	0.01	0.0	2.637	0.094	7	2	1	18
PL.28059	PL.28501	C	#1/0 ACSR	7.32Y	122.0	0.00	2.96	0.85	0	6	2	95	0.00	0.0	2.716	0.079	6	2	1	1
PL.28064	PL.28059	C	#4 ACSR	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	2.781	0.066	0	0	0	0
PL.28058	PL.28501	C	#4 ACSR	7.32Y	122.0	0.00	2.96	0.92	1	7	2	96	0.00	0.0	2.672	0.035	7	2	1	1
PL.28351	PL.28501	C	#1/0 ACSR	7.32Y	122.0	0.03	2.99	8.10	4	58	14	97	0.01	0.0	2.799	0.162	0	0	0	15
PL.28352	PL.28351	C	#1/0 ACSR	7.32Y	122.0	0.00	2.99	2.65	1	19	5	97	0.00	0.0	2.870	0.071	0	0	0	7
PL.28065	PL.28352	C	#1/0 ACSR	7.32Y	122.0	0.00	3.00	2.65	1	19	5	97	0.00	0.0	2.948	0.078	0	0	0	7
PL.28271	PL.28065	C	#1/0 ACSR	7.32Y	122.0	0.00	3.00	2.65	1	19	5	97	0.00	0.0	2.986	0.038	1	0	4	7
PL.28815	PL.28271	C	#2 ACSR	7.32Y	122.0	0.00	3.00	1.47	1	10	3	96	0.00	0.0	3.031	0.045	10	3	1	1
PL.28816	PL.28815	C	#2 ACSR	7.32Y	122.0	0.00	3.00	0.00	0	0	0	100	0.00	0.0	3.140	0.109	0	0	0	0
PL.28272	PL.28271	C	#1/0 ACSR	7.32Y	122.0	0.00	3.00	1.06	0	8	2	97	0.00	0.0	3.143	0.157	8	2	2	2
PL.28611	PL.28351	C	#1/0 ACSR	7.32Y	122.0	0.00	2.99	5.46	2	39	10	97	0.00	0.0	2.826	0.027	0	0	1	8
PL.28612	PL.28611	C	#1/0 ACSR	7.32Y	122.0	0.01	3.00	5.43	2	39	10	97	0.00	0.0	2.888	0.062	7	2	1	7
PL.28610	PL.28612	C	#1/0 ACSR	7.32Y	122.0	0.01	3.01	4.46	2	32	8	97	0.00	0.0	2.985	0.097	0	0	2	6
PL.28353	PL.28610	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	3.08	1	22	5	98	0.00	0.0	3.042	0.057	0	0	0	3
PL.28354	PL.28353	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	1.69	1	12	3	97	0.00	0.0	3.065	0.023	12	3	1	1
PL.28061	PL.28353	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	1.39	1	10	2	98	0.00	0.0	3.063	0.021	10	2	2	2
PL.28060	PL.28610	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	1.34	1	10	2	98	0.00	0.0	3.136	0.151	10	2	1	1
PL.28052	PL.28500	B	#2 ACSR	7.35Y	122.4	0.00	2.58	1.01	1	7	2	96	0.00	0.0	2.115	0.008	4	1	1	3
PL.28054	PL.28052	B	#4 ACSR	7.34Y	122.4	0.00	2.58	0.46	0	3	1	95	0.00	0.0	2.219	0.104	3	1	2	2
PL.28883	PL.28053	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.05	0	0	0	100	0.00	0.0	1.543	0.014	0	0	0	1
PD.3902	PL.28883	C	65T	7.39Y	123.2	0.00	1.80	0.05	0	0	0	100	0.00	0.0	1.543	0.014	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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28884	PD.3902	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.05	0	0	0	100	0.00	0.0	1.591	0.047	0	0	1	1
PL.29117	PL.28311	ABC	336 MCM AC	7.39Y	123.2	0.01	1.78	57.65	11	1236	327	97	0.10	0.0	1.544	0.034	0	0	0	272
PL.29118	PL.29117	ABC	336 MCM AC	7.39Y	123.2	0.01	1.80	57.65	11	1236	327	97	0.08	0.0	1.573	0.028	6	2	2	272
PL.28230	PL.29118	ABC	336 MCM AC	7.39Y	123.2	0.01	1.81	56.88	11	1219	323	97	0.07	0.0	1.598	0.025	0	0	0	269
PL.28232	PL.28230	ABC	#1/0 ACSR	7.39Y	123.1	0.11	1.92	56.88	25	1219	323	97	0.92	0.1	1.705	0.108	15	4	5	269
PL.28810	PL.28232	ABC	#1/0 ACSR	7.38Y	123.0	0.07	1.99	55.84	24	1196	316	97	0.61	0.1	1.779	0.074	17	4	5	262
PL.28811	PL.28810	ABC	#1/0 ACSR	7.37Y	122.9	0.10	2.09	55.07	24	1179	311	97	0.80	0.1	1.879	0.099	0	0	0	257
PL.29101	PL.28811	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.54	0	4	1	97	0.00	0.0	1.883	0.005	0	0	0	2
PD.3994	PL.29101	C	30T	7.37Y	122.9	0.00	2.09	0.54	0	4	1	97	0.00	0.0	1.883	0.005	0	0	0	2
PL.29102	PD.3994	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.54	0	4	1	97	0.00	0.0	1.919	0.036	0	0	0	2
PL.28809	PL.29102	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.54	0	4	1	97	0.00	0.0	1.982	0.063	4	1	2	2
PL.28233	PL.28811	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	15.61	11	112	28	97	0.00	0.0	1.881	0.003	0	0	0	30
PD.4000	PL.28233	A	65T	7.37Y	122.9	0.00	2.09	15.61	0	112	28	97	0.00	0.0	1.881	0.003	0	0	0	30
PL.28807	PD.4000	A	6 A (CWC)	7.37Y	122.9	0.05	2.14	15.61	11	112	28	97	0.04	0.0	1.957	0.076	4	1	2	30
PL.28808	PL.28807	A	6 A (CWC)	7.37Y	122.8	0.03	2.17	15.00	11	107	27	97	0.02	0.0	1.998	0.040	6	1	1	28
PL.28806	PL.28808	A	6 A (CWC)	7.37Y	122.8	0.02	2.19	14.17	10	101	25	97	0.02	0.0	2.031	0.033	0	0	0	27
PL.28314	PL.28806	A	6 A (CWC)	7.37Y	122.8	0.04	2.23	13.14	9	94	23	97	0.03	0.0	2.097	0.066	0	0	0	22
PL.28316	PL.28314	A	6 A (CWC)	7.36Y	122.7	0.07	2.30	12.07	9	86	22	97	0.05	0.1	2.230	0.134	0	0	0	19
PL.28439	PL.28316	A	6 A (CWC)	7.36Y	122.6	0.06	2.36	12.07	9	86	22	97	0.04	0.0	2.341	0.110	0	0	0	19
PL.28317	PL.28439	A	6 A (CWC)	7.36Y	122.6	0.03	2.39	10.80	8	77	19	97	0.02	0.0	2.394	0.054	0	0	0	16
PL.28800	PL.28317	A	6 A (CWC)	7.36Y	122.6	0.02	2.40	8.59	6	61	15	97	0.01	0.0	2.434	0.039	0	0	1	14
PL.28801	PL.28800	A	6 A (CWC)	7.35Y	122.6	0.02	2.43	8.59	6	61	15	97	0.01	0.0	2.486	0.052	0	0	0	13
PL.28241	PL.28801	A	#1/0 ACSR	7.35Y	122.6	0.00	2.43	0.69	0	5	1	98	0.00	0.0	2.547	0.061	5	1	1	1
PL.28320	PL.28801	A	6 A (CWC)	7.35Y	122.6	0.02	2.44	7.57	5	54	13	97	0.01	0.0	2.536	0.050	0	0	0	11
PL.28790	PL.28320	A	6 A (CWC)	7.35Y	122.5	0.01	2.46	6.32	5	45	11	97	0.00	0.0	2.588	0.052	3	1	3	10
PL.28795	PL.28790	A	6 A (CWC)	7.35Y	122.5	0.01	2.46	5.93	4	42	11	97	0.00	0.0	2.619	0.032	6	2	1	7
PL.28796	PL.28795	A	6 A (CWC)	7.35Y	122.5	0.01	2.47	5.03	4	36	9	97	0.00	0.0	2.641	0.022	0	0	0	6
PL.28791	PL.28796	A	#2 ACSR	7.35Y	122.5	0.00	2.47	2.81	2	20	5	97	0.00	0.0	2.662	0.021	0	0	0	3
PL.28792	PL.28791	A	#2 ACSR	7.35Y	122.5	0.00	2.48	2.81	2	20	5	97	0.00	0.0	2.730	0.067	12	3	2	3
PL.28242	PL.28792	A	#2 ACSR	7.35Y	122.5	0.00	2.48	1.07	1	8	2	97	0.00	0.0	2.800	0.070	8	2	1	1
PL.28793	PL.28796	A	#1/0 ACSR	7.35Y	122.5	0.00	2.47	2.21	1	16	4	97	0.00	0.0	2.654	0.013	2	0	1	3

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28794	PL.28793	A	#1/0 ACSR	7.35Y	122.5	0.01	2.48	1.96	1	14	3	98	0.00	0.0	2.785	0.130	0	0	0	2
PL.28788	PL.28794	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.96	1	14	3	98	0.00	0.0	2.871	0.086	8	2	1	2
PL.28789	PL.28788	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	0.86	0	6	2	95	0.00	0.0	2.949	0.079	6	2	1	1
PL.28240	PL.28320	A	#1/0 ACSR	7.35Y	122.6	0.00	2.44	1.25	1	9	2	98	0.00	0.0	2.586	0.050	9	2	1	1
PL.28798	PL.28801	A	6 A (CWC)	7.35Y	122.6	0.00	2.43	0.32	0	2	1	89	0.00	0.0	2.514	0.028	2	1	1	1
PL.28799	PL.28798	A	6 A (CWC)	7.35Y	122.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	2.549	0.035	0	0	0	0
PL.28797	PL.28799	A	6 A (CWC)	7.35Y	122.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	2.595	0.046	0	0	0	0
PL.28319	PL.28317	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	2.21	2	16	4	97	0.00	0.0	2.416	0.022	0	0	0	2
PL.28238	PL.28319	A	6 A (CWC)	7.36Y	122.6	0.01	2.40	1.26	1	9	2	98	0.00	0.0	2.518	0.102	0	0	0	1
PL.28239	PL.28238	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.26	1	9	2	98	0.00	0.0	2.553	0.035	9	2	1	1
PL.29047	PL.28319	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.96	0	7	2	96	0.00	0.0	2.421	0.005	0	0	0	1
PD.3966	PL.29047	A	15T	7.36Y	122.6	0.00	2.39	0.96	0	7	2	96	0.00	0.0	2.421	0.005	0	0	0	1
PL.29048	PD.3966	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.96	0	7	2	96	0.00	0.0	2.451	0.030	7	2	1	1
PL.28236	PL.28439	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.26	1	9	2	98	0.00	0.0	2.521	0.180	5	1	1	3
PL.28237	PL.28236	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.50	0	4	1	97	0.00	0.0	2.701	0.181	4	1	1	1
PL.28318	PL.28236	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.02	0	0	0	100	0.00	0.0	2.584	0.063	0	0	1	1
PL.28802	PL.28314	A	6 A (CWC)	7.37Y	122.8	0.00	2.23	1.07	1	8	2	97	0.00	0.0	2.150	0.054	4	1	2	3
PL.28803	PL.28802	A	6 A (CWC)	7.37Y	122.8	0.00	2.23	0.50	0	4	1	97	0.00	0.0	2.181	0.030	0	0	0	1
PL.28235	PL.28803	A	#1/0 ACSR	7.37Y	122.8	0.00	2.23	0.50	0	4	1	97	0.00	0.0	2.263	0.082	4	1	1	1
PL.28315	PL.28803	A	6 A (CWC)	7.37Y	122.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	2.238	0.058	0	0	0	0
PL.28804	PL.28806	A	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.03	1	7	2	96	0.00	0.0	2.070	0.039	3	1	1	5
PL.28805	PL.28804	A	6 A (CWC)	7.37Y	122.8	0.00	2.19	0.57	0	4	1	97	0.00	0.0	2.151	0.081	4	1	4	4
PL.28234	PD.4000	A	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	1.935	0.054	0	0	0	0
PL.28313	PL.28811	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.13	49.68	22	1062	282	97	0.29	0.0	1.922	0.044	0	0	0	225
PL.28947	PL.28313	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.44	1	10	3	96	0.00	0.0	1.926	0.004	0	0	0	1
PD.3937	PL.28947	C	30T	7.37Y	122.9	0.00	2.13	1.44	0	10	3	96	0.00	0.0	1.926	0.004	0	0	0	1
PL.28948	PD.3937	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.44	1	10	3	96	0.00	0.0	1.962	0.035	0	0	0	1
PL.28243	PL.28948	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.44	1	10	3	96	0.00	0.0	2.012	0.050	0	0	0	1
PL.28244	PL.28243	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.44	1	10	3	96	0.00	0.0	2.056	0.044	10	3	1	1
PL.28497	PL.28313	ABC	#1/0 ACSR	7.37Y	122.8	0.09	2.22	49.20	21	1052	279	97	0.67	0.1	2.026	0.104	0	0	0	224
PL.28498	PL.28497	ABC	#1/0 ACSR	7.36Y	122.7	0.06	2.28	48.06	21	1027	272	97	0.41	0.0	2.094	0.068	9	2	2	220

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28782	PL.28498	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.31	43.11	19	923	234	97	0.23	0.0	2.142	0.047	6	2	5	203
PL.28783	PL.28782	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.35	42.81	19	917	232	97	0.22	0.0	2.186	0.045	8	2	1	198
PL.28781	PL.28783	ABC	#1/0 ACSR	7.36Y	122.6	0.04	2.38	42.46	18	909	230	97	0.23	0.0	2.235	0.048	3	1	1	197
PL.28779	PL.28781	ABC	#1/0 ACSR	7.35Y	122.6	0.05	2.43	42.22	18	903	228	97	0.31	0.0	2.300	0.066	6	1	2	195
PL.28780	PL.28779	ABC	#1/0 ACSR	7.35Y	122.5	0.05	2.48	41.94	18	897	227	97	0.29	0.0	2.362	0.062	12	3	2	193
PL.29039	PL.28780	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	2.91	2	21	5	97	0.00	0.0	2.367	0.005	0	0	0	3
PD.3962	PL.29039	A	30T	7.35Y	122.5	0.00	2.48	2.91	0	21	5	97	0.00	0.0	2.367	0.005	0	0	0	3
PL.29040	PD.3962	A	6 A (CWC)	7.35Y	122.5	0.01	2.48	2.91	2	21	5	97	0.00	0.0	2.421	0.054	8	2	1	3
PL.28247	PL.29040	A	#4 ACSR	7.35Y	122.5	0.00	2.49	1.78	1	13	3	97	0.00	0.0	2.479	0.059	13	3	2	2
PL.28323	PL.28780	ABC	#1/0 ACSR	7.35Y	122.5	0.05	2.52	40.40	18	864	218	97	0.28	0.0	2.427	0.065	0	0	1	188
PL.28200	PL.28323	ABC	#1/0 ACSR	7.35Y	122.4	0.05	2.58	40.38	18	863	218	97	0.32	0.0	2.500	0.073	0	0	0	187
PL.28324	PL.28200	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.62	40.13	17	857	216	97	0.28	0.0	2.566	0.066	0	0	0	185
PL.28953	PL.28324	B	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.02	0	0	0	100	0.00	0.0	2.570	0.005	0	0	0	1
PD.3940	PL.28953	B	30T	7.34Y	122.4	0.00	2.62	0.02	0	0	0	100	0.00	0.0	2.570	0.005	0	0	0	1
PL.28954	PD.3940	B	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.02	0	0	0	100	0.00	0.0	2.587	0.017	0	0	1	1
PL.28720	PL.28324	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.64	29.06	13	621	157	97	0.06	0.0	2.591	0.025	5	1	1	133
PL.28728	PL.28720	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.68	28.84	13	616	155	97	0.18	0.0	2.670	0.080	0	0	1	132
PL.28729	PL.28728	ABC	#1/0 ACSR	7.34Y	122.3	0.05	2.73	28.84	13	616	155	97	0.23	0.0	2.776	0.105	0	0	0	131
PL.28210	PL.28729	ABC	#1/0 ACSR	7.33Y	122.2	0.08	2.81	28.84	13	616	155	97	0.34	0.1	2.928	0.152	0	0	0	131
PL.28440	PL.28210	ABC	#1/0 ACSR	7.33Y	122.1	0.07	2.88	28.84	13	615	155	97	0.30	0.0	3.062	0.134	0	0	0	131
PL.28817	PL.28440	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.90	28.43	12	606	152	97	0.10	0.0	3.108	0.046	1	0	1	125
PL.29119	PL.28817	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.92	28.37	12	605	152	97	0.06	0.0	3.134	0.026	0	0	0	124
PD.4004	PL.29119	ABC	50L	7.33Y	122.1	0.00	2.92	28.37	57	605	152	97	0.00	0.0	3.134	0.026	0	0	0	124
PL.29120	PD.4004	ABC	#1/0 ACSR	7.32Y	122.1	0.00	2.92	28.37	12	605	152	97	0.01	0.0	3.137	0.004	3	1	2	124
PL.28724	PL.29120	ABC	#1/0 ACSR	7.32Y	122.1	0.02	2.93	28.18	12	601	151	97	0.07	0.0	3.172	0.035	6	1	1	121
PL.28725	PL.28724	ABC	#1/0 ACSR	7.32Y	122.0	0.02	2.95	27.91	12	595	149	97	0.08	0.0	3.213	0.041	6	2	1	120
PL.28261	PL.28725	ABC	#1/0 ACSR	7.32Y	122.0	0.04	3.00	27.61	12	588	148	97	0.17	0.0	3.299	0.086	0	0	0	119
PL.28722	PL.28261	ABC	#1/0 ACSR	7.32Y	122.0	0.03	3.03	27.12	12	578	145	97	0.12	0.0	3.362	0.063	7	2	1	118
PL.28723	PL.28722	ABC	#1/0 ACSR	7.32Y	121.9	0.02	3.05	26.77	12	570	143	97	0.09	0.0	3.410	0.049	0	0	0	117
PL.28957	PL.28723	C	#4 ACSR	7.32Y	121.9	0.00	3.05	1.78	1	13	3	97	0.00	0.0	3.414	0.004	0	0	0	3
PD.3942	PL.28957	C	15T	7.32Y	121.9	0.00	3.05	1.78	0	13	3	97	0.00	0.0	3.414	0.004	0	0	0	3

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28958	PD.3942	C	#4 ACSR	7.32Y	121.9	0.00	3.05	1.78	1	13	3	97	0.00	0.0	3.427	0.012	0	0	0	3
PL.28213	PL.28958	C	6 A (CWC)	7.32Y	121.9	0.00	3.05	1.76	1	13	3	97	0.00	0.0	3.498	0.071	13	3	2	2
PL.28331	PL.28958	C	#4 ACSR	7.32Y	121.9	0.00	3.05	0.02	0	0	0	100	0.00	0.0	3.487	0.060	0	0	1	1
PL.28330	PL.28723	ABC	#1/0 ACSR	7.32Y	121.9	0.03	3.08	26.18	11	557	140	97	0.11	0.0	3.470	0.060	0	0	0	114
PL.29121	PL.28330	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.09	12.49	5	266	67	97	0.02	0.0	3.514	0.044	0	0	0	44
PD.4005	PL.29121	ABC	35L	7.31Y	121.9	0.00	3.09	12.49	36	266	66	97	0.00	0.0	3.514	0.044	0	0	0	44
PL.29122	PD.4005	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.12	12.49	5	266	66	97	0.06	0.0	3.657	0.144	0	0	0	44
PL.28971	PL.29122	A	#1/0 ACSR	7.31Y	121.9	0.00	3.12	2.19	1	16	4	97	0.00	0.0	3.662	0.004	0	0	0	2
PD.3950	PL.28971	A	15T	7.31Y	121.9	0.00	3.12	2.19	0	16	4	97	0.00	0.0	3.662	0.004	0	0	0	2
PL.28972	PD.3950	A	#1/0 ACSR	7.31Y	121.9	0.00	3.12	2.19	1	16	4	97	0.00	0.0	3.686	0.024	9	2	1	2
PL.28334	PL.28972	A	#1/0 ACSR	7.31Y	121.9	0.00	3.12	0.85	0	6	2	95	0.00	0.0	3.737	0.052	6	2	1	1
PL.28214	PL.28972	A	#4 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	3.717	0.031	0	0	0	0
PL.28217	PL.28214	A	#4 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	3.763	0.046	0	0	0	0
PL.28215	PL.29122	C	#4 ACSR	7.31Y	121.9	0.00	3.12	2.91	2	21	5	97	0.00	0.0	3.662	0.005	0	0	0	3
PD.3992	PL.28215	C	15T	7.31Y	121.9	0.00	3.12	2.91	0	21	5	97	0.00	0.0	3.662	0.005	0	0	0	3
PL.28333	PD.3992	C	#4 ACSR	7.31Y	121.9	0.00	3.12	2.17	2	15	4	97	0.00	0.0	3.712	0.050	15	4	2	2
PL.28216	PD.3992	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.74	1	5	1	98	0.00	0.0	3.778	0.116	5	1	1	1
PL.28332	PL.29122	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.14	10.79	5	230	57	97	0.03	0.0	3.760	0.102	0	0	0	39
PL.28445	PL.28332	ABC	#1/0 ACSR	7.31Y	121.8	0.03	3.17	10.79	5	230	57	97	0.05	0.0	3.924	0.164	0	0	0	39
PL.28218	PL.28445	C	#4 ACSR	7.31Y	121.8	0.00	3.17	9.83	8	70	17	97	0.00	0.0	3.928	0.004	0	0	0	14
PD.3949	PL.28218	C	15T	7.31Y	121.8	0.00	3.17	9.83	0	70	17	97	0.00	0.0	3.928	0.004	0	0	0	14
PL.28296	PD.3949	C	#4 ACSR	7.31Y	121.8	0.00	3.18	4.68	4	33	8	97	0.00	0.0	3.952	0.024	0	0	1	5
PL.28219	PL.28296	C	#4 ACSR	7.31Y	121.8	0.01	3.19	4.63	4	33	8	97	0.00	0.0	4.026	0.075	8	2	1	4
PL.28220	PL.28219	C	#4 ACSR	7.31Y	121.8	0.00	3.20	3.57	3	25	6	97	0.00	0.0	4.081	0.055	25	6	3	3
PL.28490	PD.3949	C	#2 ACSR	7.31Y	121.8	0.01	3.18	5.15	3	37	9	97	0.00	0.0	3.970	0.042	9	2	1	9
PL.28495	PL.28490	C	#2 ACSR	7.31Y	121.8	0.00	3.18	3.14	2	22	6	96	0.00	0.0	3.993	0.023	0	0	0	5
PL.28221	PL.28495	C	#2 ACSR	7.31Y	121.8	0.00	3.18	1.08	1	8	2	97	0.00	0.0	4.007	0.014	8	2	2	2
PL.28747	PL.28495	C	#2 ACSR	7.31Y	121.8	0.00	3.18	2.06	1	15	4	97	0.00	0.0	4.039	0.047	7	2	2	3
PL.28748	PL.28747	C	#2 ACSR	7.31Y	121.8	0.00	3.18	1.06	1	7	2	96	0.00	0.0	4.079	0.040	7	2	1	1
PL.28222	PL.28490	C	#4 ACSR	7.31Y	121.8	0.00	3.18	0.76	1	5	1	98	0.00	0.0	4.035	0.066	5	1	3	3
PL.28335	PL.28445	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.19	7.51	3	160	40	97	0.03	0.0	4.090	0.167	0	0	0	25

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28969	PL.28335	A	#2 ACSR	7.31Y	121.8	0.00	3.19	0.91	1	6	2	95	0.00	0.0	4.094	0.004	0	0	0	2
PD.3948	PL.28969	A	15T	7.31Y	121.8	0.00	3.19	0.91	0	6	2	95	0.00	0.0	4.094	0.004	0	0	0	2
PL.28970	PD.3948	A	#2 ACSR	7.31Y	121.8	0.00	3.19	0.91	1	6	2	95	0.00	0.0	4.106	0.011	0	0	1	2
PL.28746	PL.28970	A	#2 ACSR	7.31Y	121.8	0.00	3.20	0.91	1	6	2	95	0.00	0.0	4.267	0.161	6	2	1	1
PL.29099	PL.28335	C	#4 ACSR	7.31Y	121.8	0.00	3.20	21.63	17	153	38	97	0.00	0.0	4.094	0.004	0	0	0	23
PD.3993	PL.29099	C	15T	7.31Y	121.8	0.00	3.20	21.63	0	153	38	97	0.00	0.0	4.094	0.004	0	0	0	23
PL.29100	PD.3993	C	#4 ACSR	7.31Y	121.8	0.04	3.24	21.63	17	153	38	97	0.05	0.0	4.139	0.045	16	4	2	23
PL.28743	PL.29100	C	#4 ACSR	7.30Y	121.7	0.03	3.27	17.93	14	127	32	97	0.03	0.0	4.186	0.046	17	4	2	19
PL.28744	PL.28743	C	#4 ACSR	7.30Y	121.7	0.05	3.32	15.58	12	110	28	97	0.04	0.0	4.253	0.068	6	2	1	17
PL.28745	PL.28744	C	#4 ACSR	7.30Y	121.7	0.01	3.33	14.70	11	104	26	97	0.01	0.0	4.278	0.025	14	3	2	16
PL.28223	PL.28745	C	#4 ACSR	7.30Y	121.6	0.03	3.36	12.78	10	91	23	97	0.02	0.0	4.324	0.046	0	0	0	14
PL.28224	PL.28223	C	#2 ACSR	7.30Y	121.6	0.02	3.37	11.05	6	78	20	97	0.01	0.0	4.373	0.049	6	2	1	12
PL.28227	PL.28224	C	#4 ACSR	7.30Y	121.6	0.00	3.37	0.82	1	6	1	99	0.00	0.0	4.399	0.026	6	1	1	1
PL.28226	PL.28224	C	#4 ACSR	7.30Y	121.6	0.02	3.39	9.36	7	66	17	97	0.01	0.0	4.424	0.051	9	2	1	10
PL.28228	PL.28226	C	#4 ACSR	7.30Y	121.6	0.01	3.41	8.10	6	57	14	97	0.00	0.0	4.459	0.035	10	2	1	9
PL.28739	PL.28228	C	#2 ACSR	7.30Y	121.6	0.00	3.41	2.97	2	21	5	97	0.00	0.0	4.494	0.035	12	3	2	3
PL.28740	PL.28739	C	#2 ACSR	7.30Y	121.6	0.00	3.41	1.29	1	9	2	98	0.00	0.0	4.533	0.039	9	2	1	1
PL.28741	PL.28228	C	#2 ACSR	7.30Y	121.6	0.00	3.41	2.56	1	18	5	96	0.00	0.0	4.544	0.084	16	4	2	4
PL.28742	PL.28741	C	#2 ACSR	7.30Y	121.6	0.00	3.41	0.29	0	2	1	89	0.00	0.0	4.563	0.019	2	1	2	2
PL.28229	PL.28228	C	#2 ACSR	7.30Y	121.6	0.00	3.41	1.20	1	9	2	98	0.00	0.0	4.597	0.138	9	2	1	1
PL.28225	PL.28223	C	#4 ACSR	7.30Y	121.6	0.00	3.36	1.73	1	12	3	97	0.00	0.0	4.387	0.063	7	2	1	2
PL.28967	PL.28225	C	1/0 AL URD	7.30Y	121.6	0.00	3.36	0.80	0	6	1	99	0.00	0.0	4.391	0.004	0	0	0	1
PD.3947	PL.28967	C	10T	7.30Y	121.6	0.00	3.36	0.80	0	6	1	99	0.00	0.0	4.391	0.004	0	0	0	1
PL.28968	PD.3947	C	1/0 AL URD	7.30Y	121.6	0.00	3.36	0.80	0	6	1	99	0.00	0.0	4.429	0.039	6	1	1	1
PL.28347	PL.29100	C	#4 ACSR	7.31Y	121.8	0.00	3.24	1.40	1	10	2	98	0.00	0.0	4.174	0.034	10	2	2	2
PL.29125	PL.28330	ABC	#1/0 ACSR	7.31Y	121.9	0.04	3.12	13.69	6	291	73	97	0.08	0.0	3.632	0.162	0	0	0	70
PL.29126	PL.29125	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.12	13.69	6	291	73	97	0.01	0.0	3.661	0.029	1	0	1	70
PL.28721	PL.29126	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.14	13.63	6	290	73	97	0.03	0.0	3.719	0.058	0	0	0	69
PL.28485	PL.28721	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.15	13.33	6	284	71	97	0.03	0.0	3.772	0.053	0	0	0	67
PL.28336	PL.28485	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.17	13.10	6	279	70	97	0.03	0.0	3.845	0.073	0	0	0	66
PL.28483	PL.28336	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.18	12.91	6	275	69	97	0.02	0.0	3.883	0.038	12	3	1	64

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: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.29033	PL.28483	A	#2 ACSR	7.31Y	121.8	0.00	3.18	2.82	2	20	5	97	0.00	0.0	3.887	0.004	0	0	0	4
PD.3959	PL.29033	A	15T	7.31Y	121.8	0.00	3.18	2.82	0	20	5	97	0.00	0.0	3.887	0.004	0	0	0	4
PL.29034	PD.3959	A	#2 ACSR	7.31Y	121.8	0.00	3.18	2.82	2	20	5	97	0.00	0.0	3.909	0.022	20	5	4	4
PL.28484	PL.28483	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.19	11.42	5	243	61	97	0.02	0.0	3.940	0.057	0	0	0	59
PL.29029	PL.28484	C	#2 ACSR	7.31Y	121.8	0.00	3.19	3.79	2	27	7	97	0.00	0.0	3.944	0.005	0	0	0	8
PD.3957	PL.29029	C	15T	7.31Y	121.8	0.00	3.19	3.79	0	27	7	97	0.00	0.0	3.944	0.005	0	0	0	8
PL.29030	PD.3957	C	#2 ACSR	7.31Y	121.8	0.00	3.19	3.79	2	27	7	97	0.00	0.0	3.954	0.010	4	1	2	8
PL.28774	PL.29030	C	#2 ACSR	7.31Y	121.8	0.00	3.19	3.26	2	23	6	97	0.00	0.0	4.001	0.047	8	2	2	6
PL.28773	PL.28774	C	#2 ACSR	7.31Y	121.8	0.00	3.20	2.16	1	15	4	97	0.00	0.0	4.060	0.059	0	0	0	4
PL.29031	PL.28773	C	#2 ACSR	7.31Y	121.8	0.00	3.20	1.02	1	7	2	96	0.00	0.0	4.065	0.005	0	0	0	1
PD.3958	PL.29031	C	10T	7.31Y	121.8	0.00	3.20	1.02	0	7	2	96	0.00	0.0	4.065	0.005	0	0	0	1
PL.29032	PD.3958	C	#2 ACSR	7.31Y	121.8	0.00	3.20	1.02	1	7	2	96	0.00	0.0	4.106	0.041	7	2	1	1
PL.28337	PL.28773	C	#2 ACSR	7.31Y	121.8	0.01	3.20	1.15	1	8	2	97	0.00	0.0	4.219	0.158	0	0	0	3
PL.28338	PL.28337	C	#2 ACSR	7.31Y	121.8	0.00	3.20	0.04	0	0	0	100	0.00	0.0	4.365	0.146	0	0	0	1
PL.28443	PL.28338	C	#2 ACSR	7.31Y	121.8	0.00	3.20	0.04	0	0	0	100	0.00	0.0	4.426	0.061	0	0	1	1
PL.28771	PL.28337	C	#1/0 ACSR	7.31Y	121.8	0.00	3.20	1.11	0	8	2	97	0.00	0.0	4.237	0.018	4	1	1	2
PL.28772	PL.28771	C	#1/0 ACSR	7.31Y	121.8	0.00	3.20	0.54	0	4	1	97	0.00	0.0	4.268	0.031	4	1	1	1
PL.28769	PL.28484	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.20	10.15	4	216	54	97	0.02	0.0	4.009	0.069	7	2	1	51
PL.28770	PL.28769	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.21	9.84	4	209	52	97	0.02	0.0	4.074	0.065	5	1	1	50
PL.28768	PL.28770	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.22	9.59	4	204	51	97	0.01	0.0	4.119	0.045	8	2	1	49
PL.29103	PL.28768	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	7.85	6	56	14	97	0.00	0.0	4.123	0.004	0	0	0	15
PD.3995	PL.29103	A	15T	7.31Y	121.8	0.00	3.22	7.85	0	56	14	97	0.00	0.0	4.123	0.004	0	0	0	15
PL.29104	PD.3995	A	6 A (CWC)	7.30Y	121.7	0.04	3.27	7.85	6	56	14	97	0.02	0.0	4.247	0.124	0	0	0	15
PL.28263	PL.29104	A	6 A (CWC)	7.30Y	121.7	0.02	3.28	3.44	2	24	6	97	0.00	0.0	4.352	0.104	0	0	0	6
PL.28269	PL.28263	A	#4 ACSR	7.30Y	121.7	0.00	3.28	0.97	1	7	2	96	0.00	0.0	4.416	0.064	7	2	1	1
PL.28339	PL.28263	A	6 A (CWC)	7.30Y	121.7	0.01	3.29	2.47	2	18	4	98	0.00	0.0	4.433	0.082	0	0	1	5
PL.28267	PL.28339	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	1.20	1	9	2	98	0.00	0.0	4.517	0.084	1	0	1	3
PL.28268	PL.28267	A	6 A (CWC)	7.30Y	121.7	0.01	3.30	1.07	1	8	2	97	0.00	0.0	4.681	0.164	0	0	1	2
PL.28270	PL.28268	A	#4 ACSR	7.30Y	121.7	0.00	3.31	1.06	1	8	2	97	0.00	0.0	4.829	0.149	8	2	1	1
PL.28266	PL.28339	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	1.27	1	9	2	98	0.00	0.0	4.520	0.087	9	2	1	1
PL.28265	PL.29104	A	#4 ACSR	7.30Y	121.7	0.02	3.28	4.41	3	31	8	97	0.00	0.0	4.324	0.077	0	0	0	9

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28818	PL.28265	A	#4 ACSR	7.30Y	121.7	0.00	3.28	1.39	1	10	2	98	0.00	0.0	4.438	0.113	10	2	3	6
PL.28819	PL.28818	A	#4 ACSR	7.30Y	121.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	4.472	0.034	0	0	3	3
PL.28820	PL.28265	A	#1/0 ACSR	7.30Y	121.7	0.00	3.28	3.02	1	21	5	97	0.00	0.0	4.358	0.034	6	1	1	3
PL.28821	PL.28820	A	#1/0 ACSR	7.30Y	121.7	0.00	3.28	2.20	1	16	4	97	0.00	0.0	4.383	0.025	8	2	1	2
PL.28264	PL.28821	A	#1/0 ACSR	7.30Y	121.7	0.00	3.28	1.07	0	8	2	97	0.00	0.0	4.432	0.049	8	2	1	1
PL.29027	PL.28768	B	6 A (CWC)	7.31Y	121.8	0.00	3.22	19.78	14	140	35	97	0.00	0.0	4.123	0.004	0	0	0	33
PD.3956	PL.29027	B	15T	7.31Y	121.8	0.00	3.22	19.78	0	140	35	97	0.00	0.0	4.123	0.004	0	0	0	33
PL.29028	PD.3956	B	6 A (CWC)	7.30Y	121.7	0.08	3.30	19.78	14	140	35	97	0.08	0.1	4.214	0.091	6	1	1	33
PL.28767	PL.29028	B	6 A (CWC)	7.30Y	121.6	0.05	3.36	18.94	14	134	34	97	0.06	0.0	4.277	0.063	0	0	1	32
PL.28340	PL.28767	B	6 A (CWC)	7.30Y	121.6	0.04	3.40	18.27	13	129	32	97	0.04	0.0	4.328	0.051	5	1	1	30
PL.28251	PL.28340	B	6 A (CWC)	7.30Y	121.6	0.00	3.40	2.09	1	15	4	97	0.00	0.0	4.395	0.067	7	2	1	2
PL.28250	PL.28251	B	6 A (CWC)	7.30Y	121.6	0.00	3.40	1.08	1	8	2	97	0.00	0.0	4.445	0.051	8	2	1	1
PL.28341	PL.28340	B	6 A (CWC)	7.29Y	121.5	0.12	3.52	15.42	11	109	27	97	0.10	0.1	4.517	0.189	16	4	3	27
PL.28737	PL.28341	B	6 A (CWC)	7.29Y	121.4	0.04	3.57	9.41	7	67	17	97	0.02	0.0	4.629	0.112	9	2	2	18
PL.28738	PL.28737	B	6 A (CWC)	7.28Y	121.4	0.03	3.59	8.14	6	58	14	97	0.01	0.0	4.703	0.074	9	2	1	16
PL.28736	PL.28738	B	6 A (CWC)	7.28Y	121.4	0.02	3.61	6.93	5	49	12	97	0.01	0.0	4.779	0.076	0	0	1	15
PL.28256	PL.28736	B	6 A (CWC)	7.28Y	121.4	0.00	3.62	1.19	1	8	2	97	0.00	0.0	4.848	0.070	8	2	2	2
PL.28344	PL.28736	B	6 A (CWC)	7.28Y	121.4	0.02	3.64	5.69	4	40	10	97	0.01	0.0	4.875	0.097	0	0	0	12
PL.28444	PL.28344	B	6 A (CWC)	7.28Y	121.3	0.02	3.66	5.69	4	40	10	97	0.01	0.0	4.970	0.095	5	1	2	12
PL.28734	PL.28444	B	#4 ACSR	7.28Y	121.3	0.00	3.66	0.32	0	2	1	89	0.00	0.0	5.039	0.069	0	0	0	1
PL.28735	PL.28734	B	#4 ACSR	7.28Y	121.3	0.00	3.66	0.32	0	2	1	89	0.00	0.0	5.108	0.068	2	1	1	1
PL.28345	PL.28444	B	6 A (CWC)	7.28Y	121.3	0.02	3.69	4.59	3	32	8	97	0.01	0.0	5.088	0.118	0	0	0	9
PL.28257	PL.28345	B	6 A (CWC)	7.28Y	121.3	0.00	3.69	0.78	1	6	1	99	0.00	0.0	5.131	0.043	5	1	1	2
PL.28259	PL.28257	B	#2 ACSR	7.28Y	121.3	0.00	3.69	0.12	0	1	0	100	0.00	0.0	5.186	0.055	0	0	0	1
PL.28258	PL.28259	B	#2 ACSR	7.28Y	121.3	0.00	3.69	0.12	0	1	0	100	0.00	0.0	5.345	0.159	1	0	1	1
PL.28346	PL.28259	B	#2 ACSR	7.28Y	121.3	0.00	3.69	0.00	0	0	0	100	0.00	0.0	5.210	0.024	0	0	0	0
PL.28732	PL.28345	B	#2 ACSR	7.28Y	121.3	0.00	3.69	3.81	2	27	7	97	0.00	0.0	5.118	0.030	4	1	1	7
PL.28733	PL.28732	B	#2 ACSR	7.28Y	121.3	0.00	3.69	3.21	2	23	6	97	0.00	0.0	5.165	0.047	6	1	1	6
PL.28482	PL.28733	B	#2 ACSR	7.28Y	121.3	0.00	3.70	1.74	1	12	3	97	0.00	0.0	5.202	0.037	11	3	2	3
PL.28260	PL.28482	B	#2 ACSR	7.28Y	121.3	0.00	3.70	0.12	0	1	0	100	0.00	0.0	5.241	0.039	1	0	1	1
PL.28730	PL.28733	B	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.68	0	5	1	98	0.00	0.0	5.267	0.102	5	1	1	2

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28731	PL.28730	B	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.02	0	0	0	100	0.00	0.0	5.340	0.073	0	0	1	1
PL.28253	PL.28341	B	#4 ACSR	7.29Y	121.5	0.00	3.52	3.68	3	26	6	97	0.00	0.0	4.544	0.027	6	2	1	6
PL.28254	PL.28253	B	#2 ACSR	7.29Y	121.5	0.00	3.53	0.58	0	4	1	97	0.00	0.0	4.564	0.020	4	1	1	1
PL.28342	PL.28253	B	#4 ACSR	7.29Y	121.5	0.00	3.53	2.21	2	16	4	97	0.00	0.0	4.579	0.035	0	0	0	4
PL.28255	PL.28342	B	#4 ACSR	7.29Y	121.5	0.00	3.53	1.08	1	8	2	97	0.00	0.0	4.610	0.031	8	2	2	2
PL.28343	PL.28342	B	#4 ACSR	7.29Y	121.5	0.00	3.53	1.13	1	8	2	97	0.00	0.0	4.617	0.038	0	0	0	2
PL.28822	PL.28343	B	#1/0 ACSR	7.29Y	121.5	0.00	3.53	1.13	0	8	2	97	0.00	0.0	4.735	0.118	8	2	1	2
PL.28823	PL.28822	B	#1/0 ACSR	7.29Y	121.5	0.00	3.53	0.06	0	0	0	100	0.00	0.0	4.789	0.054	0	0	1	1
PL.28252	PL.28767	B	#4 ACSR	7.30Y	121.6	0.00	3.36	0.64	0	5	1	98	0.00	0.0	4.412	0.135	5	1	1	1
PL.29035	PL.28336	A	#2 ACSR	7.31Y	121.8	0.00	3.17	0.58	0	4	1	97	0.00	0.0	3.849	0.005	0	0	0	2
PD.3960	PL.29035	A	15T	7.31Y	121.8	0.00	3.17	0.58	0	4	1	97	0.00	0.0	3.849	0.005	0	0	0	2
PL.29036	PD.3960	A	#2 ACSR	7.31Y	121.8	0.00	3.17	0.58	0	4	1	97	0.00	0.0	3.895	0.046	0	0	0	2
PL.28248	PL.29036	A	#2 ACSR	7.31Y	121.8	0.00	3.17	0.38	0	3	1	95	0.00	0.0	3.933	0.038	3	1	1	1
PL.28249	PL.29036	A	6 A (CWC)	7.31Y	121.8	0.00	3.17	0.20	0	1	0	100	0.00	0.0	4.004	0.109	0	0	0	1
PL.28776	PL.28249	A	6 A (CWC)	7.31Y	121.8	0.00	3.17	0.20	0	1	0	100	0.00	0.0	4.104	0.099	0	0	0	1
PL.28777	PL.28776	A	6 A (CWC)	7.31Y	121.8	0.00	3.17	0.20	0	1	0	100	0.00	0.0	4.135	0.031	1	0	1	1
PL.28775	PL.28777	A	6 A (CWC)	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	4.188	0.053	0	0	0	0
PL.29037	PL.28485	A	#2 ACSR	7.31Y	121.8	0.00	3.15	0.68	0	5	1	98	0.00	0.0	3.776	0.005	0	0	0	1
PD.3961	PL.29037	A	15T	7.31Y	121.8	0.00	3.15	0.68	0	5	1	98	0.00	0.0	3.776	0.005	0	0	0	1
PL.29038	PD.3961	A	#2 ACSR	7.31Y	121.8	0.00	3.15	0.68	0	5	1	98	0.00	0.0	3.809	0.033	0	0	0	1
PL.28778	PL.29038	A	#2 ACSR	7.31Y	121.8	0.00	3.15	0.68	0	5	1	98	0.00	0.0	3.855	0.045	5	1	1	1
PL.28955	PL.28721	C	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.89	1	6	2	95	0.00	0.0	3.723	0.004	0	0	0	2
PD.3941	PL.28955	C	15T	7.31Y	121.9	0.00	3.14	0.89	0	6	2	95	0.00	0.0	3.723	0.004	0	0	0	2
PL.28956	PD.3941	C	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.89	1	6	2	95	0.00	0.0	3.737	0.014	6	2	2	2
CP.42	PL.29125	ABC	Cap (300)	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	3.632	0.014	0	0	0	0
PL.28959	PL.28261	C	#1/0 ACSR	7.32Y	122.0	0.00	3.00	1.47	1	10	3	96	0.00	0.0	3.303	0.004	0	0	0	1
PD.3943	PL.28959	C	15T	7.32Y	122.0	0.00	3.00	1.47	0	10	3	96	0.00	0.0	3.303	0.004	0	0	0	1
PL.28960	PD.3943	C	#1/0 ACSR	7.32Y	122.0	0.00	3.00	1.47	1	10	3	96	0.00	0.0	3.386	0.084	10	3	1	1
PL.28961	PL.29120	A	#2 ACSR	7.32Y	122.1	0.00	2.92	0.18	0	1	0	100	0.00	0.0	3.142	0.004	0	0	0	1
PD.3944	PL.28961	A	15T	7.32Y	122.1	0.00	2.92	0.18	0	1	0	100	0.00	0.0	3.142	0.004	0	0	0	1
PL.28962	PD.3944	A	#2 ACSR	7.32Y	122.1	0.00	2.92	0.18	0	1	0	100	0.00	0.0	3.237	0.095	0	0	0	1

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28211	PL.28962	A	#2 ACSR	7.32Y	122.1	0.00	2.92	0.18	0	1	0	100	0.00	0.0	3.332	0.096	1	0	1	1
PL.28329	PL.28962	A	#2 ACSR	7.32Y	122.1	0.00	2.92	0.00	0	0	0	100	0.00	0.0	3.299	0.062	0	0	0	0
PL.28963	PL.28440	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.02	0	0	0	100	0.00	0.0	3.066	0.004	0	0	0	1
PD.3945	PL.28963	C	30T	7.33Y	122.1	0.00	2.88	0.02	0	0	0	100	0.00	0.0	3.066	0.004	0	0	0	1
PL.28964	PD.3945	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.02	0	0	0	100	0.00	0.0	3.115	0.049	0	0	1	1
PL.29097	PL.28440	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	1.23	1	9	2	98	0.00	0.0	3.066	0.004	0	0	0	5
PD.3991	PL.29097	C	30T	7.33Y	122.1	0.00	2.88	1.23	0	9	2	98	0.00	0.0	3.066	0.004	0	0	0	5
PL.29098	PD.3991	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	1.23	1	9	2	98	0.00	0.0	3.153	0.087	8	2	3	5
PL.28726	PL.29098	C	#4 ACSR	7.33Y	122.1	0.00	2.88	0.08	0	1	0	100	0.00	0.0	3.206	0.053	0	0	1	2
PL.28727	PL.28726	C	#4 ACSR	7.33Y	122.1	0.00	2.88	0.07	0	0	0	100	0.00	0.0	3.290	0.084	0	0	1	1
PL.28212	PL.29098	C	#4 ACSR	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	3.212	0.058	0	0	0	0
PL.28262	PL.28212	C	#4 ACSR	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	3.361	0.149	0	0	0	0
PL.28441	PL.28262	C	#4 ACSR	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	3.519	0.159	0	0	0	0
PL.28442	PL.28441	C	#4 ACSR	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	3.640	0.121	0	0	0	0
PL.29123	PL.28324	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.63	11.06	5	236	59	97	0.02	0.0	2.614	0.048	0	0	0	51
PD.4006	PL.29123	ABC	35L	7.34Y	122.4	0.00	2.63	11.06	32	236	59	97	0.00	0.0	2.614	0.048	0	0	0	51
PL.29124	PD.4006	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.64	11.06	5	236	59	97	0.01	0.0	2.641	0.027	11	3	1	51
PL.28719	PL.29124	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.65	10.55	5	225	56	97	0.02	0.0	2.723	0.082	9	2	2	50
PL.28718	PL.28719	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.67	10.12	4	216	54	97	0.03	0.0	2.815	0.092	0	0	0	48
PL.29025	PL.28718	C	#4 ACSR	7.34Y	122.3	0.00	2.67	3.10	2	22	6	96	0.00	0.0	2.820	0.005	0	0	0	4
PD.3955	PL.29025	C	15T	7.34Y	122.3	0.00	2.67	3.10	0	22	6	96	0.00	0.0	2.820	0.005	0	0	0	4
PL.29026	PD.3955	C	#4 ACSR	7.34Y	122.3	0.00	2.67	3.10	2	22	6	96	0.00	0.0	2.826	0.006	0	0	0	4
PL.28328	PL.29026	C	#4 ACSR	7.34Y	122.3	0.00	2.67	2.48	2	18	4	98	0.00	0.0	2.860	0.034	18	4	2	2
PL.28765	PL.29026	C	#4 ACSR	7.34Y	122.3	0.00	2.67	0.62	0	4	1	97	0.00	0.0	2.847	0.021	4	1	2	2
PL.28766	PL.28765	C	#4 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	2.899	0.052	0	0	0	0
PL.28325	PL.28718	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.69	9.09	4	194	49	97	0.02	0.0	2.919	0.104	0	0	0	44
PL.28326	PL.28325	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.70	7.95	3	170	42	97	0.02	0.0	3.030	0.111	0	0	0	38
PL.28977	PL.28326	A	#4 ACSR	7.34Y	122.3	0.00	2.70	1.73	1	12	3	97	0.00	0.0	3.035	0.005	0	0	0	2
PD.3953	PL.28977	A	15T	7.34Y	122.3	0.00	2.70	1.73	0	12	3	97	0.00	0.0	3.035	0.005	0	0	0	2
PL.29022	PD.3953	A	#4 ACSR	7.34Y	122.3	0.00	2.71	1.73	1	12	3	97	0.00	0.0	3.163	0.128	12	3	2	2
PL.28327	PL.28326	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.71	7.37	3	157	39	97	0.01	0.0	3.084	0.054	9	2	2	36

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
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Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28762	PL.28327	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.72	6.94	3	148	37	97	0.01	0.0	3.147	0.063	5	1	2	34
PL.28763	PL.28762	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.72	6.69	3	143	36	97	0.01	0.0	3.201	0.054	6	2	1	32
PL.28761	PL.28763	ABC	#1/0 ACSR	7.34Y	122.3	0.00	2.73	6.39	3	136	34	97	0.00	0.0	3.241	0.040	7	2	2	31
PL.28760	PL.28761	ABC	#1/0 ACSR	7.34Y	122.3	0.00	2.73	6.08	3	130	32	97	0.00	0.0	3.259	0.017	0	0	0	29
PL.28757	PL.28760	ABC	#1/0 ACSR	7.34Y	122.3	0.00	2.73	3.12	1	67	17	97	0.00	0.0	3.315	0.056	7	2	1	17
PL.28758	PL.28757	ABC	#1/0 ACSR	7.34Y	122.3	0.00	2.74	2.81	1	60	15	97	0.00	0.0	3.357	0.042	1	0	1	16
PL.28759	PL.28758	ABC	#1/0 ACSR	7.34Y	122.3	0.00	2.74	2.78	1	59	15	97	0.00	0.0	3.385	0.028	0	0	0	15
PL.28973	PL.28759	A	#4 ACSR	7.34Y	122.3	0.00	2.74	7.94	6	56	14	97	0.00	0.0	3.389	0.004	0	0	0	14
PD.3951	PL.28973	A	15T	7.34Y	122.3	0.00	2.74	7.94	0	56	14	97	0.00	0.0	3.389	0.004	0	0	0	14
PL.28974	PD.3951	A	#4 ACSR	7.33Y	122.2	0.03	2.77	7.94	6	56	14	97	0.01	0.0	3.489	0.099	9	2	2	14
PL.28207	PL.28974	A	#4 ACSR	7.33Y	122.2	0.00	2.77	1.30	1	9	2	98	0.00	0.0	3.593	0.105	9	2	1	1
PL.28206	PL.28974	A	#4 ACSR	7.33Y	122.2	0.00	2.77	0.74	1	5	1	98	0.00	0.0	3.553	0.065	5	1	1	1
PL.28749	PL.28974	A	#4 ACSR	7.33Y	122.2	0.01	2.78	4.65	4	33	8	97	0.00	0.0	3.533	0.045	4	1	1	10
PL.28750	PL.28749	A	#4 ACSR	7.33Y	122.2	0.01	2.79	4.14	3	29	7	97	0.00	0.0	3.569	0.036	0	0	0	9
PL.28209	PL.28750	A	#2 ACSR	7.33Y	122.2	0.00	2.79	0.74	0	5	1	98	0.00	0.0	3.592	0.023	5	1	1	1
PL.28208	PL.28750	A	#4 ACSR	7.33Y	122.2	0.00	2.79	3.40	3	24	6	97	0.00	0.0	3.608	0.039	24	6	8	8
PL.28205	PL.28759	C	#4 ACSR	7.34Y	122.3	0.00	2.74	0.41	0	3	1	95	0.00	0.0	3.389	0.004	0	0	0	1
PD.3990	PL.28205	C	15T	7.34Y	122.3	0.00	2.74	0.41	0	3	1	95	0.00	0.0	3.389	0.004	0	0	0	1
PL.28295	PD.3990	C	#4 ACSR	7.34Y	122.3	0.00	2.74	0.41	0	3	1	95	0.00	0.0	3.506	0.117	3	1	1	1
PL.28204	PD.3990	C	#4 ACSR	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	3.460	0.071	0	0	0	0
PL.28975	PL.28760	A	#4 ACSR	7.34Y	122.3	0.00	2.73	8.89	7	63	16	97	0.00	0.0	3.263	0.005	0	0	0	12
PD.3952	PL.28975	A	15T	7.34Y	122.3	0.00	2.73	8.89	0	63	16	97	0.00	0.0	3.263	0.005	0	0	0	12
PL.28976	PD.3952	A	#4 ACSR	7.34Y	122.3	0.02	2.75	8.89	7	63	16	97	0.01	0.0	3.311	0.048	11	3	3	12
PL.28202	PL.28976	A	#4 ACSR	7.33Y	122.2	0.00	2.75	1.73	1	12	3	97	0.00	0.0	3.367	0.055	12	3	3	3
PL.28755	PL.28976	A	#4 ACSR	7.33Y	122.2	0.01	2.76	5.68	4	40	10	97	0.00	0.0	3.383	0.072	14	4	2	6
PL.28756	PL.28755	A	#4 ACSR	7.33Y	122.2	0.01	2.77	3.68	3	26	7	97	0.00	0.0	3.422	0.039	10	3	1	4
PL.28754	PL.28756	A	#4 ACSR	7.33Y	122.2	0.00	2.77	2.23	2	16	4	97	0.00	0.0	3.445	0.023	0	0	0	3
PL.28751	PL.28754	A	#1/0 ACSR	7.33Y	122.2	0.00	2.77	0.90	0	6	2	95	0.00	0.0	3.550	0.104	0	0	0	2
PL.28752	PL.28751	A	#1/0 ACSR	7.33Y	122.2	0.00	2.77	0.90	0	6	2	95	0.00	0.0	3.591	0.041	6	2	1	2
PL.28753	PL.28752	A	#1/0 ACSR	7.33Y	122.2	0.00	2.77	0.02	0	0	0	100	0.00	0.0	3.656	0.066	0	0	1	1
PL.28203	PL.28754	A	#1/0 ACSR	7.33Y	122.2	0.00	2.77	1.33	1	9	2	98	0.00	0.0	3.466	0.021	9	2	1	1

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.29023	PL.28325	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	3.44	2	24	6	97	0.00	0.0	2.923	0.005	0	0	0	6
PD.3954	PL.29023	A	15T	7.34Y	122.3	0.00	2.69	3.44	0	24	6	97	0.00	0.0	2.923	0.005	0	0	0	6
PL.29024	PD.3954	A	6 A (CWC)	7.34Y	122.3	0.01	2.70	3.44	2	24	6	97	0.00	0.0	2.996	0.072	12	3	4	6
PL.28764	PL.29024	A	6 A (CWC)	7.34Y	122.3	0.00	2.70	1.78	1	13	3	97	0.00	0.0	3.029	0.033	6	2	1	2
PL.28201	PL.28764	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	0.91	0	6	2	95	0.00	0.0	3.048	0.018	6	2	1	1
PL.28965	PL.28200	C	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.77	1	5	1	98	0.00	0.0	2.504	0.005	0	0	0	2
PD.3946	PL.28965	C	30T	7.35Y	122.4	0.00	2.58	0.77	0	5	1	98	0.00	0.0	2.504	0.005	0	0	0	2
PL.28966	PD.3946	C	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.77	1	5	1	98	0.00	0.0	2.640	0.136	5	1	2	2
PL.28246	PL.28781	C	#4 ACSR	7.36Y	122.6	0.00	2.38	0.31	0	2	1	89	0.00	0.0	2.250	0.016	2	1	1	1
PL.28245	PL.28498	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.28	4.56	2	94	36	93	0.00	0.0	2.143	0.049	0	0	0	15
PL.28786	PL.28245	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.28	4.05	2	83	33	93	0.00	0.0	2.188	0.045	3	1	4	12
PL.28787	PL.28786	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.29	3.92	2	80	32	93	0.00	0.0	2.235	0.046	0	0	0	8
PL.28322	PL.28787	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.29	2.62	1	52	25	90	0.00	0.0	2.291	0.056	52	25	1	1
PL.29041	PL.28787	B	6 A (CWC)	7.36Y	122.7	0.00	2.29	3.96	3	28	7	97	0.00	0.0	2.238	0.003	0	0	0	7
PD.3963	PL.29041	B	30T	7.36Y	122.7	0.00	2.29	3.96	0	28	7	97	0.00	0.0	2.238	0.003	0	0	0	7
PL.29042	PD.3963	B	6 A (CWC)	7.36Y	122.7	0.00	2.29	3.96	3	28	7	97	0.00	0.0	2.241	0.003	2	1	1	7
PL.28785	PL.29042	B	6 A (CWC)	7.36Y	122.7	0.00	2.29	3.65	3	26	7	97	0.00	0.0	2.279	0.038	13	3	3	6
PL.28784	PL.28785	B	6 A (CWC)	7.36Y	122.7	0.00	2.29	1.78	1	13	3	97	0.00	0.0	2.315	0.036	13	3	3	3
PL.28321	PL.28245	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	2.174	0.031	0	0	0	0
PL.29043	PL.28245	C	6 A (CWC)	7.36Y	122.7	0.00	2.28	1.56	1	11	3	96	0.00	0.0	2.147	0.004	0	0	0	3
PD.3964	PL.29043	C	30T	7.36Y	122.7	0.00	2.28	1.56	0	11	3	96	0.00	0.0	2.147	0.004	0	0	0	3
PL.29044	PD.3964	C	6 A (CWC)	7.36Y	122.7	0.00	2.28	1.56	1	11	3	96	0.00	0.0	2.188	0.041	11	3	3	3
PL.29045	PL.28497	A	6 A (CWC)	7.37Y	122.8	0.00	2.22	3.44	2	25	6	97	0.00	0.0	2.030	0.004	0	0	0	4
PD.3965	PL.29045	A	30T	7.37Y	122.8	0.00	2.22	3.44	0	25	6	97	0.00	0.0	2.030	0.004	0	0	0	4
PL.29046	PD.3965	A	6 A (CWC)	7.37Y	122.8	0.00	2.22	3.44	2	25	6	97	0.00	0.0	2.042	0.012	25	6	4	4
PL.29049	PL.28232	C	#2 ACSR	7.39Y	123.1	0.00	1.92	1.05	1	8	2	97	0.00	0.0	1.710	0.005	0	0	0	2
PD.3967	PL.29049	C	30T	7.39Y	123.1	0.00	1.92	1.05	0	8	2	97	0.00	0.0	1.710	0.005	0	0	0	2
PL.29050	PD.3967	C	#2 ACSR	7.38Y	123.1	0.00	1.92	1.05	1	8	2	97	0.00	0.0	1.766	0.056	4	1	1	2
PL.28812	PL.29050	C	#2 ACSR	7.38Y	123.1	0.00	1.92	0.43	0	3	1	95	0.00	0.0	1.783	0.017	0	0	0	1
PL.28231	PL.28812	C	#2 ACSR	7.38Y	123.1	0.00	1.92	0.43	0	3	1	95	0.00	0.0	1.814	0.031	3	1	1	1
PL.28885	PL.29118	A	#2 ACSR	7.39Y	123.2	0.00	1.80	1.45	1	10	3	96	0.00	0.0	1.577	0.005	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3903	PL.28885	A	30T	7.39Y	123.2	0.00	1.80	1.45	0	10	3	96	0.00	0.0	1.577	0.005	0	0	0	1
PL.28886	PD.3903	A	#2 ACSR	7.39Y	123.2	0.00	1.80	1.45	1	10	3	96	0.00	0.0	1.635	0.058	10	3	1	1
PL.28887	PL.28311	C	#4 ACSR	7.39Y	123.2	0.00	1.77	0.03	0	0	0	100	0.00	0.0	1.514	0.004	0	0	0	1
PD.3904	PL.28887	C	65T	7.39Y	123.2	0.00	1.77	0.03	0	0	0	100	0.00	0.0	1.514	0.004	0	0	0	1
PL.28888	PD.3904	C	#4 ACSR	7.39Y	123.2	0.00	1.77	0.03	0	0	0	100	0.00	0.0	1.561	0.047	0	0	1	1
PL.28889	PL.28049	C	#4 ACSR	7.40Y	123.4	0.00	1.62	3.40	3	24	6	97	0.00	0.0	1.358	0.005	0	0	0	6
PD.3906	PL.28889	C	15T	7.40Y	123.4	0.00	1.62	3.40	0	24	6	97	0.00	0.0	1.358	0.005	0	0	0	6
PL.28890	PD.3906	C	#4 ACSR	7.40Y	123.4	0.01	1.63	3.40	3	24	6	97	0.00	0.0	1.486	0.128	16	4	3	6
PL.28050	PL.28890	C	1/0 AL URD	7.40Y	123.4	0.00	1.63	0.47	0	3	1	95	0.00	0.0	1.487	0.002	0	0	0	1
PD.3905	PL.28050	C	40T	7.40Y	123.4	0.00	1.63	0.47	0	3	1	95	0.00	0.0	1.487	0.002	0	0	0	1
PL.28294	PD.3905	C	1/0 AL URD	7.40Y	123.4	0.00	1.63	0.47	0	3	1	95	0.00	0.0	1.489	0.002	0	0	0	1
PL.28051	PL.28294	C	1/0 AL URD	7.40Y	123.4	0.00	1.63	0.47	0	3	1	95	0.00	0.0	1.552	0.063	3	1	1	1
PL.28312	PL.28890	C	#4 ACSR	7.40Y	123.4	0.00	1.63	0.35	0	3	1	95	0.00	0.0	1.577	0.092	3	1	1	1
PL.28616	PL.28890	C	#4 ACSR	7.40Y	123.4	0.00	1.63	0.41	0	3	1	95	0.00	0.0	1.573	0.088	0	0	0	1
PL.28617	PL.28616	C	#4 ACSR	7.40Y	123.4	0.00	1.63	0.41	0	3	1	95	0.00	0.0	1.596	0.023	3	1	1	1
PL.28895	PL.28048	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	2.82	2	20	5	97	0.00	0.0	1.123	0.004	0	0	0	2
PD.3909	PL.28895	A	65T	7.42Y	123.6	0.00	1.38	2.82	0	20	5	97	0.00	0.0	1.123	0.004	0	0	0	2
PL.28896	PD.3909	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	2.82	2	20	5	97	0.00	0.0	1.177	0.054	20	5	2	2
PL.29105	PL.28300	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.21	26.78	12	579	146	97	0.01	0.0	0.954	0.005	0	0	0	118
PD.3996	PL.29105	ABC	65T	7.43Y	123.8	0.00	1.21	26.78	0	579	146	97	0.00	0.0	0.954	0.005	0	0	0	118
PL.29106	PD.3996	ABC	#1/0 ACSR	7.42Y	123.7	0.04	1.26	26.78	12	579	146	97	0.17	0.0	1.048	0.094	24	6	3	118
PL.28591	PL.29106	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.27	25.69	11	555	139	97	0.06	0.0	1.082	0.034	5	1	1	115
PL.29053	PL.28591	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	0.67	0	5	1	98	0.00	0.0	1.086	0.004	0	0	0	1
PD.3969	PL.29053	C	40T	7.42Y	123.7	0.00	1.27	0.67	0	5	1	98	0.00	0.0	1.086	0.004	0	0	0	1
PL.29054	PD.3969	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	0.67	0	5	1	98	0.00	0.0	1.137	0.051	5	1	1	1
PL.28592	PL.28591	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.32	25.22	11	545	137	97	0.17	0.0	1.186	0.103	2	1	1	113
PL.28593	PL.28592	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.36	25.11	11	542	136	97	0.17	0.0	1.285	0.099	0	0	0	112
PL.28433	PL.28593	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.40	25.11	11	542	136	97	0.14	0.0	1.369	0.084	0	0	0	112
PL.28434	PL.28433	ABC	#1/0 ACSR	7.42Y	123.6	0.02	1.42	25.11	11	542	136	97	0.06	0.0	1.406	0.038	0	0	0	112
PL.28304	PL.28434	ABC	#1/0 ACSR	7.41Y	123.6	0.02	1.44	24.74	11	534	134	97	0.09	0.0	1.462	0.056	1	0	1	109
PL.28845	PL.28304	A	#2 ACSR	7.41Y	123.6	0.00	1.44	0.86	0	6	2	95	0.00	0.0	1.466	0.004	0	0	0	1

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3882	PL.28845	A	40T	7.41Y	123.6	0.00	1.44	0.86	0	6	2	95	0.00	0.0	1.466	0.004	0	0	0	1
PL.28846	PD.3882	A	#2 ACSR	7.41Y	123.6	0.00	1.44	0.86	0	6	2	95	0.00	0.0	1.500	0.034	6	2	1	1
PL.28305	PL.28304	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.47	24.13	10	521	130	97	0.11	0.0	1.530	0.068	0	0	0	106
PL.28847	PL.28305	A	6 A (CWC)	7.41Y	123.5	0.00	1.47	4.42	3	32	8	97	0.00	0.0	1.534	0.004	0	0	0	6
PD.3883	PL.28847	A	40T	7.41Y	123.5	0.00	1.47	4.42	0	32	8	97	0.00	0.0	1.534	0.004	0	0	0	6
PL.28848	PD.3883	A	6 A (CWC)	7.41Y	123.5	0.02	1.49	4.42	3	32	8	97	0.01	0.0	1.643	0.109	0	0	0	6
PL.28435	PL.28848	A	6 A (CWC)	7.41Y	123.5	0.03	1.52	4.42	3	32	8	97	0.01	0.0	1.798	0.155	6	1	1	6
PL.28594	PL.28435	A	6 A (CWC)	7.41Y	123.5	0.00	1.53	2.78	2	20	5	97	0.00	0.0	1.840	0.042	2	1	2	4
PL.28595	PL.28594	A	6 A (CWC)	7.41Y	123.5	0.00	1.53	2.49	2	18	4	98	0.00	0.0	1.896	0.057	11	3	1	2
PL.28596	PL.28595	A	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.94	1	7	2	96	0.00	0.0	1.965	0.069	7	2	1	1
PL.28026	PL.28435	A	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.86	0	6	2	95	0.00	0.0	1.853	0.055	6	2	1	1
PL.29061	PL.28305	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.47	22.16	10	478	120	97	0.00	0.0	1.534	0.004	0	0	0	98
PL.29062	PL.29061	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.48	22.16	10	478	120	97	0.04	0.0	1.563	0.029	0	0	0	98
PL.28496	PL.29062	ABC	#1/0 ACSR	7.41Y	123.5	0.05	1.53	19.98	9	431	108	97	0.15	0.0	1.708	0.145	8	2	1	92
PL.28843	PL.28496	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	1.73	1	12	3	97	0.00	0.0	1.712	0.004	0	0	0	4
PD.3881	PL.28843	C	40T	7.41Y	123.5	0.00	1.53	1.73	0	12	3	97	0.00	0.0	1.712	0.004	0	0	0	4
PL.28844	PD.3881	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	1.73	1	12	3	97	0.00	0.0	1.768	0.055	6	1	2	4
PL.28585	PL.28844	C	#1/0 ACSR	7.41Y	123.5	0.00	1.54	0.92	0	7	2	96	0.00	0.0	1.812	0.044	0	0	1	2
PL.28586	PL.28585	C	#1/0 ACSR	7.41Y	123.5	0.00	1.54	0.92	0	7	2	96	0.00	0.0	1.851	0.040	7	2	1	1
PL.28306	PL.28496	ABC	#1/0 ACSR	7.41Y	123.4	0.03	1.56	19.02	8	410	103	97	0.07	0.0	1.786	0.077	0	0	0	87
PL.28839	PL.28306	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.38	1	10	2	98	0.00	0.0	1.790	0.005	0	0	0	1
PD.3880	PL.28839	A	40T	7.41Y	123.4	0.00	1.56	1.38	0	10	2	98	0.00	0.0	1.790	0.005	0	0	0	1
PL.28840	PD.3880	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.38	1	10	2	98	0.00	0.0	1.813	0.023	10	2	1	1
PL.28841	PL.28306	ABC	#1/0 ACSR	7.41Y	123.4	0.00	1.56	15.47	7	333	83	97	0.00	0.0	1.790	0.005	0	0	0	67
PL.28842	PL.28841	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.58	15.47	7	333	83	97	0.05	0.0	1.875	0.085	4	1	1	67
PL.28031	PL.28842	C	#2 ACSR	7.40Y	123.4	0.00	1.59	4.22	2	30	8	97	0.00	0.0	1.879	0.004	0	0	0	7
PD.3879	PL.28031	C	40T	7.40Y	123.4	0.00	1.59	4.22	0	30	8	97	0.00	0.0	1.879	0.004	0	0	0	7
PL.28293	PD.3879	C	#2 ACSR	7.40Y	123.4	0.00	1.59	1.60	1	11	3	96	0.00	0.0	1.905	0.026	3	1	1	2
PL.28032	PL.28293	C	#2 ACSR	7.40Y	123.4	0.00	1.59	1.23	1	9	2	98	0.00	0.0	2.012	0.107	9	2	1	1
PL.28030	PD.3879	C	#4 ACSR	7.40Y	123.4	0.00	1.59	2.62	2	19	5	97	0.00	0.0	1.928	0.049	19	5	5	5
PL.28489	PL.28842	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.59	13.90	6	299	75	97	0.01	0.0	1.904	0.029	0	0	1	59

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28033	PL.28489	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.61	13.89	6	299	75	97	0.05	0.0	1.996	0.092	0	0	0	58
PL.28034	PL.28033	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	9.75	4	70	17	97	0.00	0.0	2.000	0.004	0	0	0	11
PD.3974	PL.28034	A	40T	7.40Y	123.4	0.00	1.62	9.75	0	70	17	97	0.00	0.0	2.000	0.004	0	0	0	11
PL.28487	PD.3974	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	6.07	3	44	11	97	0.00	0.0	2.034	0.034	8	2	1	6
PL.28488	PL.28487	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	1.39	1	10	2	98	0.00	0.0	2.068	0.034	10	2	2	2
PL.28035	PL.28487	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	3.63	2	26	6	97	0.00	0.0	2.047	0.013	26	6	3	3
PL.28036	PD.3974	A	#1/0 ACSR	7.40Y	123.4	0.01	1.62	3.68	2	26	7	97	0.00	0.0	2.116	0.116	7	2	2	5
PL.28308	PL.28036	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.63	0	5	1	98	0.00	0.0	2.173	0.057	5	1	1	1
PL.28037	PL.28036	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	2.12	1	15	4	97	0.00	0.0	2.164	0.048	15	4	2	2
PL.28833	PL.28033	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.13	0	1	0	100	0.00	0.0	2.000	0.004	0	0	0	1
PD.3876	PL.28833	C	40T	7.40Y	123.4	0.00	1.61	0.13	0	1	0	100	0.00	0.0	2.000	0.004	0	0	0	1
PL.28834	PD.3876	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.13	0	1	0	100	0.00	0.0	2.048	0.048	1	0	1	1
PL.28558	PL.28033	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.63	10.60	5	228	57	97	0.02	0.0	2.057	0.061	1	0	1	46
PL.28559	PL.28558	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.64	10.54	5	227	57	97	0.02	0.0	2.111	0.054	5	1	1	45
PL.28557	PL.28559	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.65	10.32	4	222	56	97	0.03	0.0	2.205	0.094	8	2	1	44
PL.28556	PL.28557	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.67	9.95	4	214	54	97	0.03	0.0	2.323	0.118	0	0	0	43
PL.28553	PL.28556	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.69	9.95	4	214	54	97	0.02	0.0	2.407	0.085	26	7	3	43
PL.28554	PL.28553	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.71	8.73	4	188	47	97	0.02	0.0	2.534	0.127	6	2	1	40
PL.28555	PL.28554	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.71	8.43	4	182	45	97	0.01	0.0	2.565	0.031	3	1	1	39
PL.28560	PL.28555	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.72	8.31	4	179	45	97	0.01	0.0	2.613	0.048	15	4	3	38
PL.28561	PL.28560	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.73	7.60	3	164	41	97	0.01	0.0	2.669	0.056	5	1	1	35
PL.28542	PL.28561	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.73	7.35	3	158	40	97	0.00	0.0	2.691	0.022	8	2	1	34
PL.28543	PL.28542	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.73	6.97	3	150	37	97	0.00	0.0	2.723	0.032	0	0	1	33
PL.28544	PL.28543	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.74	6.96	3	150	37	97	0.01	0.0	2.776	0.053	3	1	1	32
PL.29113	PL.28544	A	6 A (CWC)	7.40Y	123.3	0.00	1.74	13.51	10	97	24	97	0.00	0.0	2.778	0.003	0	0	0	19
PD.4001	PL.29113	A	50L	7.40Y	123.3	0.00	1.74	13.51	27	97	24	97	0.00	0.0	2.778	0.003	0	0	0	19
PL.29114	PD.4001	A	6 A (CWC)	7.39Y	123.2	0.11	1.85	13.51	10	97	24	97	0.07	0.1	2.963	0.184	11	3	2	19
PL.28309	PL.29114	A	6 A (CWC)	7.39Y	123.1	0.04	1.89	11.03	8	79	20	97	0.02	0.0	3.039	0.076	0	0	0	16
PL.28835	PL.28309	A	6 A (CWC)	7.39Y	123.1	0.00	1.89	2.69	2	19	5	97	0.00	0.0	3.044	0.005	0	0	0	4
PD.3877	PL.28835	A	15T	7.39Y	123.1	0.00	1.89	2.69	0	19	5	97	0.00	0.0	3.044	0.005	0	0	0	4
PL.28836	PD.3877	A	6 A (CWC)	7.39Y	123.1	0.01	1.90	2.69	2	19	5	97	0.00	0.0	3.130	0.086	0	0	0	4

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28574	PL.28836	A	6 A (CWC)	7.38Y	123.1	0.03	1.92	2.69	2	19	5	97	0.00	0.0	3.361	0.231	1	0	1	4
PL.28575	PL.28574	A	6 A (CWC)	7.38Y	123.1	0.01	1.93	2.53	2	18	5	96	0.00	0.0	3.427	0.067	0	0	0	3
PL.28029	PL.28575	A	#4 ACSR	7.38Y	123.1	0.00	1.93	1.21	1	9	2	98	0.00	0.0	3.487	0.060	9	2	1	1
PL.28486	PL.28575	A	6 A (CWC)	7.38Y	123.1	0.00	1.94	1.32	1	9	2	98	0.00	0.0	3.556	0.129	9	2	2	2
PL.28565	PL.28309	A	6 A (CWC)	7.38Y	123.1	0.04	1.92	8.33	6	60	15	97	0.02	0.0	3.145	0.106	4	1	1	12
PL.28566	PL.28565	A	6 A (CWC)	7.38Y	123.0	0.03	1.95	7.78	6	56	14	97	0.01	0.0	3.233	0.087	11	3	1	11
PL.28567	PL.28566	A	6 A (CWC)	7.38Y	123.0	0.02	1.97	6.20	4	44	11	97	0.00	0.0	3.297	0.064	13	3	2	10
PL.28568	PL.28567	A	6 A (CWC)	7.38Y	123.0	0.01	1.98	4.42	3	32	8	97	0.00	0.0	3.373	0.076	5	1	1	8
PL.28564	PL.28568	A	6 A (CWC)	7.38Y	123.0	0.01	1.99	3.66	3	26	7	97	0.00	0.0	3.447	0.074	0	0	0	7
PL.28045	PL.28564	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	3.463	0.016	0	0	0	0
PL.28570	PL.28564	A	6 A (CWC)	7.38Y	123.0	0.02	2.01	3.66	3	26	7	97	0.00	0.0	3.548	0.101	2	1	1	7
PL.28571	PL.28570	A	6 A (CWC)	7.38Y	123.0	0.01	2.02	3.36	2	24	6	97	0.00	0.0	3.606	0.058	3	1	1	6
PL.28572	PL.28571	A	6 A (CWC)	7.38Y	123.0	0.00	2.02	0.27	0	2	0	100	0.00	0.0	3.719	0.113	0	0	0	1
PL.28573	PL.28572	A	6 A (CWC)	7.38Y	123.0	0.00	2.02	0.27	0	2	0	100	0.00	0.0	3.785	0.066	2	0	1	1
PL.28569	PL.28571	A	#4 ACSR	7.38Y	123.0	0.00	2.02	2.73	2	20	5	97	0.00	0.0	3.642	0.036	8	2	1	4
PL.28837	PL.28569	A	#4 ACSR	7.38Y	123.0	0.00	2.02	1.64	1	12	3	97	0.00	0.0	3.647	0.005	0	0	0	3
PD.3878	PL.28837	A	15T	7.38Y	123.0	0.00	2.02	1.64	0	12	3	97	0.00	0.0	3.647	0.005	0	0	0	3
PL.28838	PD.3878	A	#4 ACSR	7.38Y	123.0	0.02	2.04	1.64	1	12	3	97	0.00	0.0	3.861	0.215	0	0	0	3
PL.28043	PL.28838	A	6 A (CWC)	7.38Y	123.0	0.01	2.05	1.64	1	12	3	97	0.00	0.0	3.999	0.137	3	1	1	3
PL.28562	PL.28043	A	6 A (CWC)	7.38Y	123.0	0.00	2.05	0.75	1	5	1	98	0.00	0.0	4.158	0.159	5	1	1	1
PL.28563	PL.28562	A	6 A (CWC)	7.38Y	123.0	0.00	2.05	0.00	0	0	0	100	0.00	0.0	4.237	0.079	0	0	0	0
PL.28438	PL.28563	A	6 A (CWC)	7.38Y	123.0	0.00	2.05	0.00	0	0	0	100	0.00	0.0	4.380	0.143	0	0	0	0
PL.28044	PL.28043	A	#4 ACSR	7.38Y	123.0	0.00	2.05	0.50	0	4	1	97	0.00	0.0	4.095	0.096	0	0	0	1
PL.28437	PL.28044	A	#4 ACSR	7.38Y	122.9	0.00	2.05	0.50	0	4	1	97	0.00	0.0	4.224	0.129	4	1	1	1
PL.28042	PL.28838	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	3.958	0.096	0	0	0	0
PL.28436	PL.28042	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	4.085	0.127	0	0	0	0
PL.28831	PL.29114	A	#4 ACSR	7.39Y	123.2	0.00	1.85	0.90	1	6	2	95	0.00	0.0	2.967	0.005	0	0	0	1
PD.3874	PL.28831	A	20T	7.39Y	123.2	0.00	1.85	0.90	0	6	2	95	0.00	0.0	2.967	0.005	0	0	0	1
PL.28832	PD.3874	A	#4 ACSR	7.39Y	123.1	0.00	1.85	0.90	1	6	2	95	0.00	0.0	3.119	0.151	6	2	1	1
PL.29065	PL.28544	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	6.98	5	50	12	97	0.00	0.0	2.780	0.004	0	0	0	12
PD.3975	PL.29065	C	40T	7.40Y	123.3	0.00	1.74	6.98	0	50	12	97	0.00	0.0	2.780	0.004	0	0	0	12

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.29066	PD.3975	C	6 A (CWC)	7.40Y	123.3	0.01	1.75	6.98	5	50	12	97	0.00	0.0	2.808	0.028	2	1	1	12
PL.28541	PL.29066	C	6 A (CWC)	7.39Y	123.2	0.03	1.78	6.63	5	48	12	97	0.01	0.0	2.927	0.119	7	2	1	11
PL.28038	PL.28541	C	#4 ACSR	7.39Y	123.2	0.00	1.79	2.52	2	18	5	96	0.00	0.0	2.982	0.056	9	2	1	3
PL.28537	PL.28038	C	#4 ACSR	7.39Y	123.2	0.00	1.79	1.32	1	9	2	98	0.00	0.0	3.046	0.063	6	1	1	2
PL.28538	PL.28537	C	#4 ACSR	7.39Y	123.2	0.00	1.79	0.54	0	4	1	97	0.00	0.0	3.164	0.119	4	1	1	1
PL.28539	PL.28541	C	6 A (CWC)	7.39Y	123.2	0.01	1.79	3.18	2	23	6	97	0.00	0.0	2.988	0.061	10	3	2	6
PL.28540	PL.28539	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	1.72	1	12	3	97	0.00	0.0	3.032	0.045	4	1	3	4
PL.28041	PL.28540	C	#2 ACSR	7.39Y	123.2	0.00	1.79	1.23	1	9	2	98	0.00	0.0	3.041	0.008	0	0	0	1
PL.28040	PL.28041	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	1.23	1	9	2	98	0.00	0.0	3.090	0.049	9	2	1	1
PL.28039	PL.28541	C	#4 ACSR	7.39Y	123.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.957	0.030	0	0	1	1
PL.29063	PL.28306	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	9.26	7	67	17	97	0.00	0.0	1.790	0.005	0	0	0	19
PD.3973	PL.29063	A	40T	7.41Y	123.4	0.00	1.56	9.26	0	67	17	97	0.00	0.0	1.790	0.005	0	0	0	19
PL.29064	PD.3973	A	6 A (CWC)	7.41Y	123.4	0.02	1.58	9.26	7	67	17	97	0.01	0.0	1.828	0.037	3	1	1	19
PL.28027	PL.29064	A	6 A (CWC)	7.40Y	123.4	0.03	1.61	8.89	6	64	16	97	0.01	0.0	1.906	0.079	5	1	1	18
PL.28578	PL.28027	A	#4 ACSR	7.40Y	123.4	0.00	1.61	2.23	2	16	4	97	0.00	0.0	1.945	0.038	7	2	2	6
PL.28579	PL.28578	A	#4 ACSR	7.40Y	123.4	0.00	1.61	1.21	1	9	2	98	0.00	0.0	1.989	0.045	6	2	3	4
PL.28580	PL.28579	A	#4 ACSR	7.40Y	123.4	0.00	1.61	0.34	0	2	1	89	0.00	0.0	2.019	0.030	2	1	1	1
PL.28581	PL.28027	A	6 A (CWC)	7.40Y	123.4	0.02	1.63	5.98	4	43	11	97	0.01	0.0	2.001	0.095	6	1	1	11
PL.28582	PL.28581	A	6 A (CWC)	7.40Y	123.4	0.01	1.64	5.19	4	37	9	97	0.00	0.0	2.034	0.032	7	2	1	10
PL.28307	PL.28582	A	6 A (CWC)	7.40Y	123.4	0.01	1.65	3.87	3	28	7	97	0.00	0.0	2.092	0.058	9	2	2	7
PL.28028	PL.28307	A	#4 ACSR	7.40Y	123.4	0.00	1.65	0.52	0	4	1	97	0.00	0.0	2.237	0.146	4	1	1	1
PL.28576	PL.28307	A	6 A (CWC)	7.40Y	123.3	0.00	1.65	2.09	1	15	4	97	0.00	0.0	2.164	0.072	11	3	3	4
PL.28577	PL.28576	A	6 A (CWC)	7.40Y	123.3	0.00	1.65	0.57	0	4	1	97	0.00	0.0	2.227	0.063	4	1	1	1
PL.28583	PL.28582	A	#4 ACSR	7.40Y	123.4	0.00	1.64	0.37	0	3	1	95	0.00	0.0	2.101	0.067	3	1	1	2
PL.28584	PL.28583	A	#4 ACSR	7.40Y	123.4	0.00	1.64	0.02	0	0	0	100	0.00	0.0	2.146	0.046	0	0	1	1
PL.28851	PL.29062	C	1/0 AL URD	7.41Y	123.5	0.00	1.48	6.54	4	47	12	97	0.00	0.0	1.568	0.005	0	0	0	6
PD.3885	PL.28851	C	40T	7.41Y	123.5	0.00	1.48	6.54	0	47	12	97	0.00	0.0	1.568	0.005	0	0	0	6
PL.28852	PD.3885	C	1/0 AL URD	7.41Y	123.5	0.01	1.49	6.54	4	47	12	97	0.00	0.0	1.600	0.032	8	2	1	6
PL.28291	PL.28852	C	1/0 AL URD	7.41Y	123.5	0.00	1.49	0.81	0	6	1	99	0.00	0.0	1.628	0.028	6	1	1	1
PL.28826	PL.28852	C	1/0 AL URD	7.41Y	123.5	0.01	1.50	4.67	3	34	8	97	0.00	0.0	1.660	0.060	18	4	2	4
PL.28827	PL.28826	C	1/0 AL URD	7.41Y	123.5	0.00	1.50	2.18	1	16	4	97	0.00	0.0	1.698	0.038	5	1	1	2

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

Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28828	PL.28827	C	1/0 AL URD	7.41Y	123.5	0.00	1.50	1.44	1	10	3	96	0.00	0.0	1.731	0.033	10	3	1	1
PL.28829	PL.28828	C	1/0 AL URD	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	1.823	0.092	0	0	0	0
PL.29059	PL.28305	C	1/0 AL URD	7.41Y	123.5	0.00	1.47	1.52	1	11	3	96	0.00	0.0	1.534	0.004	0	0	0	2
PD.3972	PL.29059	C	40T	7.41Y	123.5	0.00	1.47	1.52	0	11	3	96	0.00	0.0	1.534	0.004	0	0	0	2
PL.29060	PD.3972	C	1/0 AL URD	7.41Y	123.5	0.01	1.48	1.52	1	11	3	96	0.00	0.0	1.674	0.139	0	0	0	2
PL.28047	PL.29060	C	1/0 AL URD	7.41Y	123.5	0.00	1.48	1.52	1	11	3	96	0.00	0.0	1.682	0.008	0	0	0	2
PL.28046	PL.28047	C	1/0 AL URD	7.41Y	123.5	0.00	1.48	1.52	1	11	3	96	0.00	0.0	1.720	0.037	10	3	1	2
PL.28824	PL.28046	C	1/0 AL URD	7.41Y	123.5	0.00	1.48	0.09	0	1	0	100	0.00	0.0	1.734	0.014	1	0	1	1
PL.28825	PL.28824	C	1/0 AL URD	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	1.776	0.043	0	0	0	0
PL.29057	PL.28304	C	#1/0 ACSR	7.41Y	123.6	0.00	1.44	0.77	0	6	1	99	0.00	0.0	1.466	0.004	0	0	0	1
PD.3971	PL.29057	C	40T	7.41Y	123.6	0.00	1.44	0.77	0	6	1	99	0.00	0.0	1.466	0.004	0	0	0	1
PL.29058	PD.3971	C	#1/0 ACSR	7.41Y	123.6	0.00	1.44	0.77	0	6	1	99	0.00	0.0	1.471	0.005	6	1	1	1
PL.29055	PL.28434	C	#2 ACSR	7.42Y	123.6	0.00	1.42	0.42	0	3	1	95	0.00	0.0	1.411	0.005	0	0	0	1
PD.3970	PL.29055	C	40T	7.42Y	123.6	0.00	1.42	0.42	0	3	1	95	0.00	0.0	1.411	0.005	0	0	0	1
PL.29056	PD.3970	C	#2 ACSR	7.41Y	123.6	0.00	1.42	0.42	0	3	1	95	0.00	0.0	1.509	0.098	3	1	1	1
PL.28849	PL.28434	A	#1/0 ACSR	7.42Y	123.6	0.00	1.42	0.68	0	5	1	98	0.00	0.0	1.411	0.005	0	0	0	2
PD.3884	PL.28849	A	40T	7.42Y	123.6	0.00	1.42	0.68	0	5	1	98	0.00	0.0	1.411	0.005	0	0	0	2
PL.28850	PD.3884	A	#1/0 ACSR	7.42Y	123.6	0.00	1.42	0.68	0	5	1	98	0.00	0.0	1.441	0.030	5	1	2	2
PL.28857	PL.28300	C	#4 ACSR	7.43Y	123.8	0.00	1.21	13.14	10	95	24	97	0.00	0.0	0.954	0.005	0	0	0	10
PD.3888	PL.28857	C	65T	7.43Y	123.8	0.00	1.21	13.14	0	95	24	97	0.00	0.0	0.954	0.005	0	0	0	10
PL.28858	PD.3888	C	#4 ACSR	7.43Y	123.8	0.01	1.22	13.14	10	95	24	97	0.00	0.0	0.964	0.010	0	0	0	10
PL.28022	PL.28858	C	#4 ACSR	7.43Y	123.8	0.02	1.24	6.81	5	49	12	97	0.01	0.0	1.023	0.059	0	0	0	8
PL.28303	PL.28022	C	#4 ACSR	7.43Y	123.8	0.00	1.24	0.94	1	7	2	96	0.00	0.0	1.134	0.111	7	2	1	1
PL.28023	PL.28022	C	#4 ACSR	7.43Y	123.8	0.00	1.24	3.25	3	23	6	97	0.00	0.0	1.087	0.064	23	6	1	1
PL.28024	PL.28022	C	#4 ACSR	7.43Y	123.8	0.00	1.24	2.61	2	19	5	97	0.00	0.0	1.075	0.053	19	5	6	6
PL.28302	PL.28858	C	#4 ACSR	7.43Y	123.8	0.01	1.23	6.33	5	46	11	97	0.00	0.0	1.023	0.058	46	11	2	2
PL.29051	PL.28300	A	#1/0 ACSR	7.43Y	123.8	0.00	1.21	0.60	0	4	1	97	0.00	0.0	0.954	0.004	0	0	0	1
PD.3968	PL.29051	A	65T	7.43Y	123.8	0.00	1.21	0.60	0	4	1	97	0.00	0.0	0.954	0.004	0	0	0	1
PL.29052	PD.3968	A	#1/0 ACSR	7.43Y	123.8	0.00	1.21	0.60	0	4	1	97	0.00	0.0	0.986	0.032	4	1	1	1
PL.28855	PL.28590	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	4.82	3	35	9	97	0.00	0.0	0.830	0.004	0	0	0	8
PD.3887	PL.28855	A	30T	7.44Y	123.9	0.00	1.06	4.82	0	35	9	97	0.00	0.0	0.830	0.004	0	0	0	8

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Balanced Voltage Drop Report
Source: Rice Station

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.28856	PD.3887	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	4.82	3	35	9	97	0.00	0.0	0.857	0.027	13	3	2	8
PL.28301	PL.28856	A	6 A (CWC)	7.44Y	123.9	0.02	1.08	2.77	2	20	5	97	0.00	0.0	1.014	0.157	3	1	2	4
PL.28587	PL.28301	A	6 A (CWC)	7.44Y	123.9	0.00	1.08	2.42	2	17	4	97	0.00	0.0	1.037	0.023	17	4	1	2
PL.28588	PL.28587	A	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	1.089	0.052	0	0	1	1
PL.28021	PL.28856	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	0.26	0	2	0	100	0.00	0.0	0.955	0.097	2	0	2	2

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total			
KW	12719	0	0	0	0	0	478		0.00	13197	Lowest Voltage =	118.10	on Element PL.27872
KVAR	3455	0	0	0	0	0	891			4346	Max Accm VoltD =	6.90	on Element PL.27872
											Max Elem VoltD =	0.51	on Element PL.24707