

Electric Distribution Utility Annual Reliability Report

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SECTION 1: CONTACT INFORMATION

PUBLIC SERVICE
COMMISSION

UTILITY NAME	1.1	Clark Energy Cooperative
REPORT PREPARED BY	1.2	Scott Sidwell
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SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2014
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	13.2367956
FIRST DATE USED TO DETERMINE TMED	3.2	1/1/2009
LAST DATE USED TO DETERMINE TMED	3.3	12/31/2013
NUMBER OF MED IN REPORT YEAR	3.4	5

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	157
SAIFI	1.610
CAIDI	97

Including MED (Optional)

SAIDI	497.64
SAIFI	2.34
CAIDI	212

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.

- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and TMED

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Additional pages may be attached as necessary

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Clark Energy Cooperative has a strong ROW program and our board of directors has allowed us to increased our budget each of the last six years to support the efforts. We continue to use herbicide as a follow-up after the second year of clearing to reduce the stem count in the ROW corridor. We target danger trees outside of the ROW corridor for removal as we do with trees in and around residences. We have a "trade a tree" program to incentivize the removal of yard trees and we have even used helicopter side trimming in the mountainous areas where there is very little access to open up the canopy and get rid of overhanging tree tops.

SECTION 8: UTILITY COMMENTS

Clark Energy is confident that we provide quality service to our members and we strive to improve with each passing year. Reliability is very much tied to the severity of the weather so there is always going to be years when outage indices are going to be up and down. Clark Energy has several smaller substations and because of smaller and less populated circuits the indices numbers can easily be either high or low. Of our 72 circuits we had to report on 27 of them which takes a lot of time we could put toward more pressing issues.

ElementName	2009 SAIDI	2009 SAIFI	2010 SAIDI	2010 SAIFI	2011 SAIDI	2011 SAIFI	2012 SAIDI	2012 SAIFI	2013 SAIDI	2013 SAIFI	Total SAIDI SAIDI	Total SAIFI SAIFI	5 Yr Ave SAIDI	5 Yr Ave SAIFI	2014 SAIDI	2014 SAIFI
BLEVAL1	6.55	0.17	228.73	1.52	118.91	2.5	28.74	0.27	22.69	0.18	405.62	4.64	81.124	0.928	243.02	3.21
BOWEN1	127.19	2.57	211.08	0.94	82.74	0.71	26.46	0.34	38.63	0.3	486.1	4.86	97.22	0.972	401.15	2.17
BOWEN2	150.34	1.12	80.47	0.56	543.66	3.07	123.08	1.73	366.4	2.06	1263.95	8.54	252.79	1.708	545.8	5
CAVERUN2	270.95	1.65	193.03	3.23	66.22	1.26	98.21	1.44	27.83	0.27	656.24	7.85	131.248	1.57	358.29	2.45
CLAYCTY1	36.53	0.59	42.86	0.19	27.76	0.26	20.86	0.27	10.74	0.16	138.75	1.47	27.75	0.294	38.68	0.59
CLAYCTY4	25.98	0.23	7.96	0.12	27.87	0.28	197.31	1.56	46.98	0.51	306.1	2.7	61.22	54	472.43	2.78
FRNBURG2	23.27	0.26	160.94	2.31	23.65	1.29	36.78	0.58	42.06	1.51	286.7	5.95	57.34	1.19	324.44	3.4
FRNBURG3	19.03	0.22	3.8	0.1	40.05	1.24	90.01	2.13	18.77	0.22	171.66	3.91	34.332	0.782	116.54	2.32
FRNBURG4	169.88	1.18	403.6	3.57	366.91	2.71	746.29	6.66	495.81	4.61	2182.49	18.73	436.498	3.746	349.14	1.94
HARDWICKS1	23.35	0.35	5.74	0.09	214.67	2.34	60.11	0.5	55.67	1.25	359.54	4.53	71.908	0.906	186.42	1.4
HINKSTON3	65.64	1.23	227.59	1.3	227.31	1.93	184.5	2.17	254.17	2.36	959.21	8.99	191.842	1.798	319.33	3.41
HUNT4	363.2	3.63	91.32	0.83	108.87	1.51	143.95	2.34	174.26	1.78	881.6	10.09	176.32	2.018	290.39	2.69
JVILLE1	69.81	1.09	39.75	0.31	42.71	0.48	126.4	1.5	113.59	1.97	392.26	5.35	78.452	1.07	94.62	1.32
JVILLE2	56.64	0.73	159.49	1.94	94.57	0.76	55.04	1.27	48.57	0.42	414.31	5.12	82.862	1.024	253.14	2.05
MILLER HUNT2	23.41	0.25	72.65	0.82	207.53	1.56	40.34	0.41	179.42	1.32	523.35	4.36	104.67	0.872	185.64	2.1
MTSTRLG1	13.29	0.2	28.41	0.14	59.21	0.43	20.32	0.16	81.5	2.19	202.73	3.12	40.546	0.624	149.65	2.21
MTSTRLG3	35.76	0.27	46.14	0.43	190.46	1.93	70	0.56	55.26	0.63	397.62	3.82	79.524	0.764	242.44	1.44
SIDEVIEW1	109.74	0.88	163.14	1.49	77.77	1.42	538.27	4.63	520.45	1.56	1409.37	9.98	281.874	1.996	295.31	1.89
STANTON1	44.95	1.1	32.61	0.2	21.67	0.32	30.96	0.46	42.78	0.64	172.97	2.72	34.594	0.544	54.82	0.55
STANTON2	64.81	1.08	27.14	0.35							91.95	1.43	18.39	0.286	80.5	1.26
STANTON3	27.98	0.25	33.33	0.36	45.82	0.58	43.64	1.19	34.73	0.26	185.5	2.64	37.1	5.28	38.42	0.49
STANTON4	11.23	0.23	15.98	0.25	15.67	0.3	39.58	0.36	4.9	1.37	87.36	2.51	17.472	0.502	41.64	0.49
STANTON5	15.65	0.31	25.23	0.31	20.66	0.21	32.56	0.48	96.41	1.27	190.51	2.58	38.102	0.516	39.27	0.35
THRFRKS1	99.61	0.61									99.61	0.61	19.922	0.122	244.13	1.92
THRFRKS2	170.95	2.31	20.77	0.21	83.03	1.26	16.07	1.12	13.35	0.2	304.17	5.1	60.834	1.02	185.73	1.18
THRFRKS3	85.23	0.32	55.2	0.62	70.47	1.19	34.86	0.3	109.64	1.16	355.4	3.59	71.08	0.718	187.53	2.05
TRAPP2	90.36	0.82	74.29	0.93	25.06	0.37	11.78	0.18	101.15	1.29	302.64	3.59	60.528	0.718	84.11	0.51
UNIONCITY1	61.93	0.67	149.5	2.37	17.58	0.24	32.15	0.29	60.81	0.58	321.97	4.15	64.394	0.83	245.61	0.75
UNIONCITY3	32.7	0.4									32.7	0.4	6.54	0.08	321.53	1.27
UNIONCITY4	68.89	0.08	211.25	2.09	112.27	1.04	6.39	0.04	3.71	0.05	402.51	3.3	80.502	0.66	102.04	1.4
VANMTR3	119.1	1.36	41.76	0.51	111.9	1.13	117.01	1.7	44.53	0.42	434.3	5.12	86.86	1.024	93.41	0.76

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Blevins Valley E-100								
2.	Substation Location (County-Road-Town) Bath County, Blevins Valley Road, Owensville								
3.	Circuit name and number - Blevins Valley Ct. 1								
4.	Circuit Location (town-Road) Owensville, Blevins Valley Road								
5.	Total circuit length (miles) - 40								
6.	Customer count for this circuit - 420								
7.	Date of last circuit trim (VM) - pre 209								
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)								
9.	Circuit 5 year average (SAIDI) 81.124								
10.	Reporting year (SAIDI) 2014 - 243.02								
11.	Circuit 5 year average (SAIFI) - .0928								
12.	Reporting year (SAIFI) 2014 - 3.21								
13.	Corrective action plan (See attached document)								

SECTION 7: UTILITY COMMENTS

	Blevins Valley substation is a small station subjected to one or two large outages causing the circuit to be over the five year average. Blevins Valley sub is planned for ROW clearing in 2016. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.								

Belvins Valley Substation - Circuit 1

Feeder	Cause	CustomersAffected	CustomerMinutes					
BLEVAL1	000 Power Supply	420	14700					
BLEVAL1	000 Power Supply	420	17160					
		840	31860					
BLEVAL1	100 Construction	9	738					
BLEVAL1	100 Construction	1	73					
BLEVAL1	100 Construction	1	36					
		11	847					
BLEVAL1	300 Material or Equipment Fault/Failure	1	84					
BLEVAL1	340 Overload	1	71					
BLEVAL1	400 Decay/Age of Material/Equipment	365	39673					
BLEVAL1	490 Maintenance, Other	1	106					
BLEVAL1	490 Maintenance, Other	1	59					
		369	39993					
BLEVAL1	420 Tree Growth	1	57					
BLEVAL1	420 Tree Growth	2	118					
BLEVAL1	420 Tree Growth	373	29661					
		376	29836					
BLEVAL1	500 Lightning	1	27					
BLEVAL1	500 Lightning	15	720					
BLEVAL1	500 Lightning	9	270					
BLEVAL1	500 Lightning	2	308					
BLEVAL1	500 Lightning	1	51					
BLEVAL1	500 Lightning	2	156					
BLEVAL1	500 Lightning	1	61					
BLEVAL1	500 Lightning	1	230					
BLEVAL1	500 Lightning	1	221					
BLEVAL1	520 Ice, Sleet, Frost, Not Trees	27	2592					
		60	4636					

Belvins Valley Substation - Circuit 1

BLEVAL1	600 Small Animal/Bird	1	53					
Totals	25525	1657	107225					
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Power Supply	840	0.03291	31860	29.71%				
Planned	11	0.00043	847	0.79%				
Maintanance issues	369	0.01446	39993	37.30%				
Trees	376	0.01473	29836	27.83%				
Weather	60	0.00235	4636	4.32%				
Animals	1	0.00004	53	0.05%				
Totals	1657		107225	100.00%				
BLEVAL1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	6.55	228.73	118.91	28.74	22.69	405.62	81.124	243.02
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.17	1.52	2.5	0.27	0.18	4.64	0.928	3.21

SECTION 5: CIRCUIT REPORTING									
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)									
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)									
1.	Substation Name and number - Bowen E58								
2.	Substation Location (County-Road-Town) Powell-Hwy 15-Bowen								
3.	Circuit name and number - Natural Bridge - F1								
4.	Circuit Location (town-Road) Bowen-Hwy 15								
5.	Total circuit length (miles) - 28.18								
6.	Customer count for this circuit - 422								
7.	Date of last circuit trim (VM) - 2015								
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause								
	(See attached document)								
9.	Circuit 5 year average (SAIDI) 97.22								
10.	Reporting year (SAIDI) 2014 - 401.15								
11.	Circuit 5 year average (SAIFI) 0.972								
12.	Reporting year (SAIFI) 2014 - 2.17								
13.	Corrective action plan (See attached document)								
SECTION 7: UTILITY COMMENTS									
	Bowen substation Circuit 1 feeds a very rural area including Natural Bridge State Park and parts of the Daniel Boone National Forest in the Red River Gorge. The station was part of the 2015 ROW bid and is currently being cleared. Improvemets are being made by changing poles out as a part of our pole inspection program but some of them are only accessible by foot or boat requiring extended planned outages. We also are changing out several miles of conductor while we are changing the poles.								
Feeder	Cause	CustomersAffected	CustomerMinutes						
BOWEN1	100 Construction	3	678						
BOWEN1	100 Construction	1	42						
BOWEN1	100 Construction	5	815						
BOWEN1	100 Construction	62	2232						
BOWEN1	100 Construction	1	99						
BOWEN1	100 Construction	18	1890						
BOWEN1	100 Construction	20	5680						

Bowen Substation - Circuit 1

BOWEN1	100 Construction	12	1620						
BOWEN1	100 Construction	1	40						
BOWEN1	100 Construction	17	867						
BOWEN1	100 Construction	6	1206						
BOWEN1	100 Construction	1	173						
BOWEN1	110 Maintenance	11	726						
		158	16068						
BOWEN1	490 Maintenance, Other	1	82						
BOWEN1	420 Tree Growth	1	105						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	8	304						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	1	390						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	384	44928						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	8	1102						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	1	100						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	32	7680						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	5	770						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	8	3205						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	1	144						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	11	220						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	4	240						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	31	41633						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	4	468						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	4	596						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	24	13440						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	24	3597						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	32	2592						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	25	6275						
BOWEN1	430 Tree failure from overhang or dead tree without ice/snow	1	118						
		609	127907						
BOWEN1	500 Lightning	1	110						
BOWEN1	500 Lightning	2	134						
BOWEN1	500 Lightning	7	910						
BOWEN1	500 Lightning	1	46						
BOWEN1	500 Lightning	1	94						
BOWEN1	500 Lightning	7	2114						
		19	3408						
BOWEN1	999 Cause Unknown	8	464						
BOWEN1	999 Cause Unknown	8	776						
BOWEN1	999 Cause Unknown	3	282						
BOWEN1	999 Cause Unknown	1	55						
		20	1577						
BOWEN1	600 Small Animal/Bird	1	41						

Bowen Substation - Circuit 1

Totals	25525	808	149083						
	Customers Affected	SAIFI	CustomerMinutes	% of SAIDI					
Power Supply			0	0.00%					
Planned	158	0.00619	16068	10.78%					
Maintanance issues	1	0.00004	82	0.06%					
Tree issues	609	0.02386	127907	85.80%					
Weather	0	0.00000	3408	2.29%					
Animals	1	0.00004	41	0.03%					
Unknown	20	0.00078	1577	1.06%					
			149083	100.00%					
Bowen1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014	
SAIDI	127.19	211.08	82.74	26.46	38.63	486.1	97.22	401.15	
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014	
SAIFI	2.57	0.94	0.71	0.34	0.3	4.86	0.972	2.17	

SECTION 5: CIRCUIT REPORTING**(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)****(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)**

1.	Substation Name and number - Bowen E58								
2.	Substation Location (County-Road-Town) Powell-Hwy 15-Bowen								
3.	Circuit name and number - Cow Creek - F2								
4.	Circuit Location (town-Road) Bowen-Cow Creek								
5.	Total circuit length (miles) - 14.90								
6.	Customer count for this circuit -42								
7.	Date of last circuit trim (VM) - 2015								
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)								
9.	Circuit 5 year average (SAIDI) 252.79								
10.	Reporting year (SAIDI) 2014 - 545.8								
11.	Circuit 5 year average (SAIFI) 1.708								
12.	Reporting year (SAIFI) 2014 - 5								
13.	Corrective action plan (See attached document)								

SECTION 7: UTILITY COMMENTS

Bowen substation circuit 2 is a very, very small circuit, feeding mostly a rock quarry in a very heavily wooded area. This circuit is being cleared as a part of our 2015 ROW plan. We experienced several outages related to the public cutting trees onto our lines as they gather firewood in 2014. We try to pass along safety tips as we can to warn the public about the dangers of power lines.

Feeder	Cause	CustomersAffected	CustomerMinutes						
BOWEN2	400 Decay/Age of Material/Equipment	1	110						
BOWEN2	430 Tree failure from overhang or dead tree without ice/snow	28	3612						
BOWEN2	430 Tree failure from overhang or dead tree without ice/snow	27	1943						
BOWEN2	430 Tree failure from overhang or dead tree without ice/snow	27	2679						

Bowen Substation - Circuit 2

		82	8234					
BOWEN2	500 Lightning	2	60					
BOWEN2	740 Public Cuts Tree	61	7754					
BOWEN2	740 Public Cuts Tree	28	4284					
BOWEN2	740 Public Cuts Tree	3	486					
BOWEN2	740 Public Cuts Tree	2	84					
BOWEN2	740 Public Cuts Tree	27	1197					
BOWEN2	740 Public Cuts Tree	27	3618					
		148	17423					
BOWEN2	601 Squirrel	3	129					
BOWEN2	601 Squirrel	3	135					
		6	264					
		12	528					
	Total	245	26355					
25525								
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Public cuts trees	148	0.00580	17423	66.11%				
Maintanance issues	1	0.00004	110	0.42%				
Trees	82	0.00321	8234	31.24%				
Weather	2	0.00008	60	0.23%				
Animals	12	0.00047	528	2.00%				
			26355	100.00%				
Bowen2	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	150.34	80.47	543.66	123.08	366.4	1263.95	252.79	545.8
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	1.12	0.56	3.07	1.73	2.06	8.54	1.708	5

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Cave Run E52								
2.	Substation Location (County-Road-Town) Rowan-Hwy 801-Farmers								
3.	Circuit name and number - Fish Hatchery - F2								
4.	Circuit Location (town-Road) Farmers-Hwy 801								
5.	Total circuit length (miles) - 13.72								
6.	Customer count for this circuit - 246								
7.	Date of last circuit trim (VM) - 2011								
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)								
9.	Circuit 5 year average (SAIDI) 131.248								
10.	Reporting year (SAIDI) 2014 -358.29								
11.	Circuit 5 year average (SAIFI) 1.57								
12.	Reporting year (SAIFI) 2014 -2.45								
13.	Corrective action plan (See attached document)								

SECTION 7: UTILITY COMMENTS

Cave Run substation, circuit 2 is a very rural substation situated around Cave Run Lake in the Daniel Boone National Forest. Three large outages put the circuit over the 5 year average. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.

Feeder	Cause	Customers Affected	CustomerMinutes						
Power Supply		246	15884						
CAVERUN2	100 Construction	9	594						
CAVERUN2	100 Construction	2	210						

Cave Run Substation - Circuit 2

CAVERUN2	100 Construction	9	684					
		20	1488					
CAVERUN2	300 Material or Equipment Fault/Failure	243	12516					
CAVERUN2	340 Overload	3	144					
		246	12660					
CAVERUN2	430 Tree failure from overhang or dead tree without ice/snow	45	5895					
CAVERUN2	510 Wind, Not Trees	239	35927					
	Totals	550	71854					
25525								
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Power supply	246	0.00964	15884	22.11%				
Planned	20	0.00078	1488	2.07%				
Maintanance issues	246	0.00964	12660	17.62%				
Trees	45	0.00176	5895	8.20%				
Weather	239	0.00936	40317	56.11%				
			76244	106.11%				
Cave Run 2	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	270.95	193.03	66.22	98.21	27.83	656.24	131.248	358.29
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	1.65	3.23	1.26	1.44	0.27	7.85	1.57	2.45

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Clay City E71							
2.	Substation Location (County-Road-Town) Powell-Shipps Branch-Clay City							
3.	Circuit name and number - Hwy 82\Snow Creek - F2							
4.	Circuit Location (town-Road) Clay City-Snow Creek							
5.	Total circuit length (miles) - 29.44							
6.	Customer count for this circuit - 536							
7.	Date of last circuit trim (VM) -							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 49.426							
10.	Reporting year (SAIDI) 2014 -38.68							
11.	Circuit 5 year average (SAIFI) 1.118							
12.	Reporting year (SAIFI) 2014 -0.59							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

Clay City Circuit 1 is very close to the 5 year average on outages with 1 large ROW outage causing the overage. We plan to patrol this circuit looking for danger trees out of the ROW that might fall taking the main line down.

Feeder	Cause	CustomersAffected	CustomerMinutes					
CLAYCTY1	100 Construction	2	42					
CLAYCTY1	100 Construction	4	328					
CLAYCTY1	100 Construction	2	168					
CLAYCTY1	100 Construction	2	108					
CLAYCTY1	100 Construction	4	276					
CLAYCTY1	100 Construction	2	244					
CLAYCTY1	100 Construction	2	54					

Clay City Substation - Circuit 1

CLAYCTY1	110 Maintenance	2	46			
		20	1266			
CLAYCTY1	300 Material or Equipment Fault/Failure	1	113			
CLAYCTY1	340 Overload	1	27			
CLAYCTY1	400 Decay/Age of Material/Equipment	3	204			
CLAYCTY1	400 Decay/Age of Material/Equipment	13	1417			
CLAYCTY1	400 Decay/Age of Material/Equipment	1	85			
CLAYCTY1	490 Maintenance, Other	3	279			
CLAYCTY1	490 Maintenance, Other	2	134			
		24	2259			
CLAYCTY1	430 Tree failure from overhang or dead tree without ice/snow	254	11938			
CLAYCTY1	430 Tree failure from overhang or dead tree without ice/snow	18	1602			
CLAYCTY1	430 Tree failure from overhang or dead tree without ice/snow	14	630			
CLAYCTY1	430 Tree failure from overhang or dead tree without ice/snow	12	3649			
CLAYCTY1	430 Tree failure from overhang or dead tree without ice/snow	5	1150			
CLAYCTY1	430 Tree failure from overhang or dead tree without ice/snow	4	160			
		307	19129			
CLAYCTY1	500 Lightning	1	81			
CLAYCTY1	500 Lightning	9	351			
CLAYCTY1	500 Lightning	2	562			
		12	994			
CLAYCTY1	601 Squirrel	1	25			
CLAYCTY1	601 Squirrel	4	228			
		5	253			
CLAYCTY1	710 Motor Vehicle	1	123			
CLAYCTY1	740 Public Cuts Tree	4	396			
		5	519			
CLAYCTY1	999 Cause Unknown	8	576			
CLAYCTY1	999 Cause Unknown	8	472			
CLAYCTY1	999 Cause Unknown	1	33			
		17	1081			
	Total	385	25501			
25525						
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI		
Public causes	5	0.00000	519	2.04%		
Planned	20	0.00020	1266	4.96%		
Maintanance issues	24	0.00078	2259	8.86%		

Clay City Substation - Circuit 1

Unknown	17	0.00094	1081	4.24%				
Trees	307	0.00067	19129	75.01%				
Weather	12	0.01203	994	3.90%				
Animals	5	0.00047	253	0.99%				
			25501	100.00%				
Clay City 1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	36.53	42.86	27.76	20.86	10.74	138.75	27.75	38.68
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Frenchburg E19							
2.	Substation Location (County-Road-Town) Menifee-Hwy 36-Frenchburg							
3.	Circuit name and number - McCausey Ridge - F2							
4.	Circuit Location (town-Road) Frenchburg-McCausey Ridge							
5.	Total circuit length (miles) -20.26							
6.	Customer count for this circuit - 330							
7.	Date of last circuit trim (VM) - 2013							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause							
	(See attached document)							
9.	Circuit 5 year average (SAIDI) 57.34							
10.	Reporting year (SAIDI) 2014 -324.44							
11.	Circuit 5 year average (SAIFI) 1.19							
12.	Reporting year (SAIFI) 2014 -3.4							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

<p>Frenchburg circuit 2 is located in a heavily wooded area and is very susceptible to tree outages. ROW clearing on the Frenchburg substation was performed in 2014 with a key on danger trees outside the ROW corridor. We will continue applying animal guards to all transformers to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.</p>								

Feeder	Cause	CustomersAffected	CustomerMinutes					

Frenchburg Substation - Circuit 2

FRNBURG2	Power supply	330	14790					
FRNBURG2	300 Material or Equipment Fault/Failure	2	76					
FRNBURG2	300 Material or Equipment Fault/Failure	2	112					
FRNBURG2	310 Installation Fault	20	7340					
FRNBURG2	400 Decay/Age of Material/Equipment	2	138					
FRNBURG2	490 Maintenance, Other	2	340					
		28	8006					
FRNBURG2	430 Tree failure from overhang or dead tree without ice/snow	17	476					
FRNBURG2	430 Tree failure from overhang or dead tree without ice/snow	2	242					
FRNBURG2	430 Tree failure from overhang or dead tree without ice/snow	316	44016					
FRNBURG2	430 Tree failure from overhang or dead tree without ice/snow	7	728					
FRNBURG2	430 Tree failure from overhang or dead tree without ice/snow	316	14806					
FRNBURG2	430 Tree failure from overhang or dead tree without ice/snow	3	66					
FRNBURG2	430 Tree failure from overhang or dead tree without ice/snow	6	744					
		667	61078					
FRNBURG2	500 Lightning	2	102					
FRNBURG2	500 Lightning	2	134					
FRNBURG2	500 Lightning	2	350					
FRNBURG2	500 Lightning	2	352					
FRNBURG2	510 Wind, Not Trees	309	25987					
FRNBURG2	440 Trees With Ice/Snow	43	4687					
		360	31612					
FRNBURG2	999 Cause Unknown	1	72					
		1386	115558					
25525								
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Power Supply	330	0.01293	14790	12.80%				
Maintanance issues	28	0.00110	8006	6.93%				
Unknown	1	0.00004	72	0.06%				
Trees	667	0.02613	61078	52.85%				
Weather	360	0.01410	31612	27.36%				
			115558	100.00%				
Bowen1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	23.27	160.94	23.65	36.78	42.06	286.7	57.34	324.44
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.26	2.31	1.29	0.58	1.51	5.95	1.19	3.4

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Frenchburg E19							
2.	Substation Location (County-Road-Town) Menifee-Hwy 36-Frenchburg							
3.	Circuit name and number - Hwy 460\Downtown - F3							
4.	Circuit Location (town-Road) Frenchburg-Hwy 460							
5.	Total circuit length (miles) - 27.57							
6.	Customer count for this circuit -498							
7.	Date of last circuit trim (VM) - 2013							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 34.332							
10.	Reporting year (SAIDI) 2014 -116.54							
11.	Circuit 5 year average (SAIFI) 0.782							
12.	Reporting year (SAIFI) 2014 - 2.32							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

<p>Frenchburg circuit 3 had two large outages that caused the numbers to be over the five year average. A conductor fell during the extreme weather in January, 2014 and a substation outage also affected the numbers. The conductor was repaired and replaced at the time of the outage.</p>							
Feeder	Cause	CustomersAffected	CustomerMinutes				
FRNBURG3	Power supply	498	22320				
FRNBURG3	100 Construction	1	66				
FRNBURG3	100 Construction	6	642				
FRNBURG3	100 Construction	2	160				

Frenchburg Substation - Circuit 3

FRNBURG3	110 Maintenance	1	34				
FRNBURG3	110 Maintenance	3	57				
		13	959				
FRNBURG3	300 Material or Equipment Fault/Failure	443	11518				
FRNBURG3	300 Material or Equipment Fault/Failure	1	217				
FRNBURG3	300 Material or Equipment Fault/Failure	17	765				
FRNBURG3	340 Overload	1	60				
FRNBURG3	400 Decay/Age of Material/Equipment	1	96				
FRNBURG3	400 Decay/Age of Material/Equipment	1	162				
FRNBURG3	400 Decay/Age of Material/Equipment	2	100				
FRNBURG3	400 Decay/Age of Material/Equipment	4	124				
FRNBURG3	490 Maintenance, Other	4	3308				
FRNBURG3	490 Maintenance, Other	1	77				
FRNBURG3	490 Maintenance, Other	1	54				
		476	16481				
FRNBURG3	420 Tree Growth	1	38				
FRNBURG3	420 Tree Growth	1	59				
FRNBURG3	420 Tree Growth	1	63				
FRNBURG3	430 Tree failure from overhang or dead tree without ice/snow	3	411				
FRNBURG3	430 Tree failure from overhang or dead tree without ice/snow	3	198				
FRNBURG3	430 Tree failure from overhang or dead tree without ice/snow	32	192				
FRNBURG3	430 Tree failure from overhang or dead tree without ice/snow	32	800				
FRNBURG3	430 Tree failure from overhang or dead tree without ice/snow	19	2057				
		92	3818				
FRNBURG3	500 Lightning	1	123				
FRNBURG3	500 Lightning	3	123				
		4	246				
FRNBURG3	999 Cause Unknown	4	520				
FRNBURG3	999 Cause Unknown	11	495				
FRNBURG3	999 Cause Unknown	3	111				
		18	1126				
	Total	1101	44950				
25525							
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI			
Power Supply			22320	49.66%			
Public causes	0	0.00000	0	0.00%			
Planned	13	0.00051	959	2.13%			
Maintanance issues	476	0.01865	16481	36.67%			
Unknown	3	0.00012	1126	2.51%			
Trees	92	0.00360	3818	8.49%			
Weather	4	0.00016	246	0.55%			

Frenchburg Substation - Circuit 3

Animals	0	0.00000	0	0.00%				
			44950	100.00%				
Frenchburg 3	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	23.27	160.94	23.65	36.78	42.06	286.7	57.34	324.44
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014

Union City Substation - Circuit 4

UNIONCITY4	100 Construction	2	88					
UNIONCITY4	100 Construction	2	100					
UNIONCITY4	110 Maintenance	2	56					
		12	754					
UNIONCITY4	300 Material or Equipment Fault/Failure	83	9433					
UNIONCITY4	340 Overload	47	1739					
		130	11172					
UNIONCITY4	430 Tree failure from overhang or dead tree without ice/snow	383	26044					
UNIONCITY4	500 Lightning	1	106					
UNIONCITY4	500 Lightning	2	344					
Totals		3	450					
25525								
	Members Affected	SAIFI	CustomerMinutes	% of SAIDI				
Power Supply		0.00047	0	0.00%				
Planned	12	0.00509	754	1.96%				
Maintanance issues	130	0.01500	11172	29.08%				
Trees	383	0.00012	26044	67.79%				
Weather	3	0.00000	450	1.17%				
Animals	0	0.00000	0	0.00%				
Public	0	0.00000	0	0.00%				
Unknown	0	0.02089	0	0.00%				
	528		38420	100.00%				
Members on circuit	383							
Union City 4	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	68.89	211.25	112.27	6.39	3.71	402.51	80.502	102.04
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.08	2.09	1.04	0.04	0.05	3.3	0.66	1.4

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Hunt N1							
2.	Substation Location (County-Road-Town) Clark-Jackson Ferry-Winchester							
3.	Circuit name and number - Fayette Country - F4							
4.	Circuit Location (town-Road) Winchester-Elkin Station							
5.	Total circuit length (miles) - 113.91							
6.	Customer count for this circuit -724							
7.	Date of last circuit trim (VM) - 2010							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 176.32							
10.	Reporting year (SAIDI) 2014 -290.39							
11.	Circuit 5 year average (SAIFI) 2.018							
12.	Reporting year (SAIFI) 2014 - 2.69							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

One large outage was a contributing factor in causing the circuit to be over the five year average. During last winters extreme temperatures this circuit opened up but nothing was ever found. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.

Feeder	Cause	CustomersAffected	CustomerMinutes
HUNT4	300 Material or Equipment Fault/Failure	16	1568
HUNT4	300 Material or Equipment Fault/Failure	10	960
HUNT4	340 Overload	16	1904
HUNT4	340 Overload	1	63
HUNT4	400 Decay/Age of Material/Equipment	7	441
HUNT4	400 Decay/Age of Material/Equipment	4	768
HUNT4	400 Decay/Age of Material/Equipment	64	6592
HUNT4	400 Decay/Age of Material/Equipment	1	244

Hunt Substation - Circuit 4

HUNT4	410 Corrosion/Abrasion of Material/Equipment	40	5480					
		159	18020					
HUNT4	430 Tree failure from overhang or dead tree without ice/snow	1	74					
HUNT4	430 Tree failure from overhang or dead tree without ice/snow	1	66					
HUNT4	430 Tree failure from overhang or dead tree without ice/snow	3	225					
HUNT4	430 Tree failure from overhang or dead tree without ice/snow	2	292					
		7	657					
HUNT4	500 Lightning	1	56					
HUNT4	500 Lightning	5	440					
HUNT4	500 Lightning	4	804					
HUNT4	500 Lightning	4	1056					
HUNT4	500 Lightning	2	68					
HUNT4	510 Wind, Not Trees	4	636					
		20	3060					
HUNT4	600 Small Animal/Bird	2	104					
HUNT4	601 Squirrel	50	13450					
		52	13554					
HUNT4	999 Cause Unknown	724	68780					
HUNT4	999 Cause Unknown	4	40					
		728	68820					
	Total	966	104111					
25525	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Public	0	0.00000	0	0.00%				
Planned	0	0.00000	0	0.00%				
Maintanance issues	159	0.00623	18020	17.31%				
Unknown	728	0.02852	68820	66.10%				
Trees	7	0.00027	657	0.63%				
Weather	20	0.00078	3060	2.94%				
Animals	52	0.00204	13554	13.02%				
			104111	100.00%				
Hunt 4	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	363.2	91.32	108.87	143.95	174.26	881.6	176.32	290.39
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	3.63	0.83	1.51	2.34	1.78	10.09	2.018	2.69

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Jeffersonville E87							
2.	Substation Location (County-Road-Town) Montgomery-Hwy1050-Jeffersonville							
3.	Circuit name and number - Hwy 599 - F1							
4.	Circuit Location (town-Road) Jeffersonville-Hwy 599							
5.	Total circuit length (miles) - 61.17							
6.	Customer count for this circuit - 458							
7.	Date of last circuit trim (VM) - Pre-2009							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 78.452							
10.	Reporting year (SAIDI) 2014 - 94.62							
11.	Circuit 5 year average (SAIFI) 1.07							
12.	Reporting year (SAIFI) 2014 - 1.32							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

Jeffersonville substation - Circuit 1 is a small circuit and is heavily influenced by a few bigger outages. Jeffersonville Sub is planned to have the ROW cleared in next years ROW cycle. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.

Feeder	Cause	CustomersAffected	CustomerMinutes					
JVILLE1	Power Supply	458	7328					

Jeffersonville Substation - Circuit 1

JVILLE1	100 Construction	1	25				
JVILLE1	100 Construction	1	64				
JVILLE1	100 Construction	1	98				
JVILLE1	100 Construction	2	148				
JVILLE1	100 Construction	2	102				
JVILLE1	100 Construction	91	2326				
JVILLE1	100 Construction	5	670				
JVILLE1	100 Construction	3	291				
JVILLE1	100 Construction	3	237				
JVILLE1	110 Maintenance	2	336				
		111	4297				
JVILLE1	300 Material or Equipment Fault/Failure	2	390				
JVILLE1	300 Material or Equipment Fault/Failure	543	40209				
JVILLE1	340 Overload	2	256				
JVILLE1	400 Decay/Age of Material/Equipment	3	90				
JVILLE1	490 Maintenance, Other	2	260				
		552	41205				
JVILLE1	420 Tree Growth	35	2800				
JVILLE1	420 Tree Growth	5	295				
JVILLE1	420 Tree Growth	49	3148				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	17	3400				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	3	150				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	6	726				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	82	2542				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	49	3430				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	13	988				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	48	4464				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	34	4352				
JVILLE1	430 Tree failure from overhang or dead tree without ice/snow	63	5733				
JVILLE1	440 Trees With Ice/Snow	1	656				
		405	32684				
JVILLE1	500 Lightning	4	144				
JVILLE1	500 Lightning	62	3100				
JVILLE1	500 Lightning	3	144				
JVILLE1	500 Lightning	4	272				
JVILLE1	500 Lightning	7	392				
JVILLE1	500 Lightning	2	26				
JVILLE1	500 Lightning	2	116				
JVILLE1	500 Lightning	2	158				
JVILLE1	500 Lightning	2	114				
JVILLE1	500 Lightning	4	409				
JVILLE1	500 Lightning	2	102				
JVILLE1	500 Lightning	2	96				
JVILLE1	500 Lightning	2	224				
		98	5297				
JVILLE1	600 Small Animal/Bird	9	585				

Jeffersonville Substation - Circuit 1

JVILLE1	600 Small Animal/Bird	1	24					
JVILLE1	600 Small Animal/Bird	2	164					
JVILLE1	601 Squirrel	6	396					
		18	1169					
JVILLE1	710 Motor Vehicle	2	102					
JVILLE1	999 Cause Unknown	1	88					
	Total	1645	92170					
25525	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Power-Supply	458	0.01794	7328	7.95%				
Public	2	0.00008	102	0.11%				
Planned	111	0.00435	4297	4.66%				
Maintanance issues	552	0.02163	41205	44.71%				
Unknown	1	0.00004	88	0.10%				
Trees	405	0.01587	32684	35.46%				
Weather	98	0.00384	5297	5.75%				
Animals	18	0.00071	1169	1.27%				
			92170	100.00%				
Jville 1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	69.81	39.75	42.71	126.4	113.59	392.26	78.452	94.62
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	1.09	0.31	0.48	1.5	1.97	5.35	1.07	1.32

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Jeffersonville E87								
2.	Substation Location (County-Road-Town) Montgomery-Hwy1050-Jeffersonville								
3.	Circuit name and number - Hwy 1050 - F2								
4.	Circuit Location (town-Road) Jeffersonville-Hwy 1050								
5.	Total circuit length (miles) - 48.85								
6.	Customer count for this circuit - 560								
7.	Date of last circuit trim (VM) - Pre - 2009								
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)								
9.	Circuit 5 year average (SAIDI) 82.862								
10.	Reporting year (SAIDI) 2014 - 253.14								
11.	Circuit 5 year average (SAIFI) 1.024								
12.	Reporting year (SAIFI) 2014 - 2.05								
13.	Corrective action plan (See attached document)								

SECTION 7: UTILITY COMMENTS

Jeffersonville substation - Circuit 2 is a small circuit and is heavily influenced by a few bigger outages. Jeffersonville Sub is planned to have the ROW cleared in next years ROW cycle. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.

JVILLE2	Power Supply		560	8960					
JVILLE2	100 Construction		1	36					
JVILLE2	100 Construction		2	84					
JVILLE2	100 Construction		7	1568					
JVILLE2	100 Construction		4	488					

Jeffersonville Substation - Circuit 2

JVILLE2	110 Maintenance	3	60				
		17	2236				
JVILLE2	300 Material or Equipment Fault/Failure	1	60				
JVILLE2	400 Decay/Age of Material/Equipment	1	56				
JVILLE2	400 Decay/Age of Material/Equipment	3	135				
JVILLE2	410 Corrosion/Abrasion of Material/Equipment	7	266				
JVILLE2	490 Maintenance, Other	2	400				
JVILLE2	490 Maintenance, Other	1	72				
JVILLE2	490 Maintenance, Other	1	214				
JVILLE2	490 Maintenance, Other	7	490				
		23	1693				
JVILLE2	420 Tree Growth	12	720				
JVILLE2	430 Tree failure from overhang or dead tree without ice/snow	5	720				
JVILLE2	430 Tree failure from overhang or dead tree without ice/snow	88	8536				
JVILLE2	430 Tree failure from overhang or dead tree without ice/snow	117	53142				
JVILLE2	430 Tree failure from overhang or dead tree without ice/snow	115	14835				
JVILLE2	430 Tree failure from overhang or dead tree without ice/snow	68	4012				
JVILLE2	430 Tree failure from overhang or dead tree without ice/snow	55	5665				
		460	87630				
JVILLE2	470 Borrower crew cuts tree	2	76				
JVILLE2	440 Trees With Ice/Snow	8	2752				
JVILLE2	440 Trees With Ice/Snow	3	1194				
JVILLE2	440 Trees With Ice/Snow	5	150				
JVILLE2	500 Lightning	10	3900				
JVILLE2	500 Lightning	5	610				
JVILLE2	500 Lightning	1	42				
JVILLE2	500 Lightning	3	237				
JVILLE2	500 Lightning	2	114				
JVILLE2	500 Lightning	1	39				
JVILLE2	500 Lightning	3	204				
JVILLE2	510 Wind, Not Trees	2	316				
JVILLE2	520 Ice, Sleet, Frost, Not Trees	1	246				
		44	9804				
JVILLE2	600 Small Animal/Bird	1	35				
JVILLE2	600 Small Animal/Bird	1	51				
JVILLE2	601 Squirrel	10	460				
JVILLE2	601 Squirrel	2	68				
		14	614				
JVILLE2	710 Motor Vehicle	7	2842				
JVILLE2	710 Motor Vehicle	556	34515				
		563	37357				
JVILLE2	999 Cause Unknown	11	506				
JVILLE2	999 Cause Unknown	2	82				
		13	588				

Jeffersonville Substation - Circuit 2

	Total	1696	148958					
25525	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Power Supply	0	0.00000	8960	6.02%				
Borrower crew cuts tree	2	0.00008	76	0.05%				
Public	563	0.02206	37357	25.08%				
Planned	17	0.00067	2236	1.50%				
Maintanance issues	23	0.00090	1693	1.14%				
Unknown	506	0.01982	588	0.39%				
Trees	460	0.01802	87630	58.83%				
Weather	44	0.00172	9804	6.58%				
Animals	14	0.00055	614	0.41%				
			148958	100.00%				
Jville 2	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	56.64	159.49	94.57	55.04	48.57	414.31	82.862	253.14
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.73	1.94	0.76	1.27	0.42	5.12	1.024	2.05

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Clark N71							
2.	Substation Location (County-Road-Town) Clark-Miller Hunt-Winchester							
3.	Circuit name and number - Hwy 89 - F2							
4.	Circuit Location (town-Road) Winchester-Hwy 89							
5.	Total circuit length (miles) - 29.14							
6.	Customer count for this circuit - 320							
7.	Date of last circuit trim (VM) -							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 104.67							
10.	Reporting year (SAIDI) 2014 - 185.64							
11.	Circuit 5 year average (SAIFI) 0.872							
12.	Reporting year (SAIFI) 2014 - 1.4							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

This is a small circuit that is heavily influenced by a few large outages. A track hoe tore down the three phase on this circuit resulting in an extended outage while repairs were made. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.

Feeder	Cause	CustomersAffected	CustomerMinutes
MILLER HUNT2	100 Construction	1	107
MILLER HUNT2	100 Construction	2	164
MILLER HUNT2	100 Construction	1	96
MILLER HUNT2	100 Construction	1	197
MILLER HUNT2	100 Construction	3	357
MILLER HUNT2	100 Construction	1	217
MILLER HUNT2	100 Construction	3	900
MILLER HUNT2	100 Construction	3	870

Miller Hunt Substation - Circuit 2

MILLER HUNT2	100 Construction	2	198				
		17	3106				
MILLER HUNT2	300 Material or Equipment Fault/Failure	11	792				
MILLER HUNT2	300 Material or Equipment Fault/Failure	11	1716				
MILLER HUNT2	300 Material or Equipment Fault/Failure	11	594				
MILLER HUNT2	300 Material or Equipment Fault/Failure	11	682				
MILLER HUNT2	300 Material or Equipment Fault/Failure	11	924				
MILLER HUNT2	300 Material or Equipment Fault/Failure	11	858				
MILLER HUNT2	340 Overload	2	294				
MILLER HUNT2	340 Overload	1	139				
MILLER HUNT2	400 Decay/Age of Material/Equipment	3	255				
		72	6254				
MILLER HUNT2	420 Tree Growth	23	3689				
MILLER HUNT2	430 Tree failure from overhang or dead tree without ice/snow	96	7488				
MILLER HUNT2	430 Tree failure from overhang or dead tree without ice/snow	46	3358				
MILLER HUNT2	430 Tree failure from overhang or dead tree without ice/snow	2	174				
		167	14709				
MILLER HUNT2	500 Lightning	11	550				
MILLER HUNT2	500 Lightning	1	329				
MILLER HUNT2	500 Lightning	11	1551				
MILLER HUNT2	500 Lightning	1	735				
MILLER HUNT2	500 Lightning	1	56				
		25	3221				
MILLER HUNT2	600 Small Animal/Bird	2	88				
MILLER HUNT2	710 Motor Vehicle	297	24002				
MILLER HUNT2	999 Cause Unknown	11	957				
MILLER HUNT2	999 Cause Unknown	3	267				
		14	1224				
25525	Total	594	52604				
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI			
Borrower crew cuts tree	0	0.00000	0	0.00%			
Public	0	0.00000	24002	33.11%			
Planned	17	0.00067	3106	4.29%			
Maintanance issues	72	0.00282	6254	8.63%			
Unknown	14	0.00055	1224	1.69%			
Trees	167	0.00654	34586	47.72%			
Weather	25	0.00098	3221	4.44%			
Animals	0	0.00000	88	0.12%			
			72481	100.00%			

Miller Hunt Substation - Circuit 2

Miller Hunt 2	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	23.41	72.65	207.53	40.34	179.42	523.35	104.67	185.64
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.25	0.82	1.56	0.41	1.32	4.36	0.872	2.1

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Mt Sterling N32							
2.	Substation Location (County-Road-Town) Montgomery-Hwy 11-Mt Sterling							
3.	Circuit name and number - Fuller Estates - F1							
4.	Circuit Location (town-Road) Mt Sterling-Hwy 11							
5.	Total circuit length (miles) - 17.52							
6.	Customer count for this circuit -341							
7.	Date of last circuit trim (VM) - 2014							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 40.546							
10.	Reporting year (SAIDI) 2014 - 149.65							
11.	Circuit 5 year average (SAIFI) 0.624							
12.	Reporting year (SAIFI) 2014 -2.21							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

Mt. Sterling Circuit one is a small circuit out of our Mt. Sterling substation that when subjected to one or two large outages can cause the circuit to be over the five year average. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable. The outage with the conductor sag has been repaired

Feeder	Date	Cause	CustomersAffected	CustomerMinutes
MTSTRLG1	3/18/2014	100 Construction	2	136
MTSTRLG1	5/7/2014	100 Construction	16	544
MTSTRLG1	9/11/2014	100 Construction	2	132
MTSTRLG1	9/22/2014	100 Construction	10	200
MTSTRLG1	9/23/2014	100 Construction	1	48
MTSTRLG1	10/20/2014	100 Construction	5	525
			36	1585
MTSTRLG1	1/25/2014	320 Conductor Sag or Inadequate Clearance	317	16340
MTSTRLG1	1/6/2014	340 Overload	12	1008

Mt. Sterling Substation - Circuit 1

MTSTRLG1	11/28/2014	340 Overload	4	48					
MTSTRLG1	1/19/2014	400 Decay/Age of Material/Equipment	3	459					
MTSTRLG1	4/12/2014	400 Decay/Age of Material/Equipment	3	534					
MTSTRLG1	4/2/2014	490 Maintenance, Other	1	198					
			340	18587					
MTSTRLG1	11/24/2014	420 Tree Growth	3	345					
MTSTRLG1	5/21/2014	500 Lightning	5	450					
MTSTRLG1	6/20/2014	500 Lightning	1	72					
MTSTRLG1	8/20/2014	500 Lightning	1	74					
MTSTRLG1	9/1/2014	500 Lightning	7	1484					
MTSTRLG1	1/24/2014	510 Wind, Not Trees	317	25235					
			331	27315					
MTSTRLG1	7/19/2014	710 Motor Vehicle	3	384					
25525									
		CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Borrower crew cuts tree		0	0.00000	0	0.00%				
Public		3	0.00012	384	0.80%				
Planned		36	0.00141	1585	3.29%				
Maintanance issues		340	0.01332	18587	38.55%				
Unknown		0	0.00000	0	0.00%				
Trees		0	0.00000	345	0.72%				
Weather		331	0.01297	27315	56.65%				
Animals		0	0.00000	0	0.00%				
				48216	100.00%				
Mt. Sterling 1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014	
SAIDI	13.29	28.41	59.21	20.32	81.5	202.73	40.546	149.65	
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014	
SAIFI	0.2	0.14	0.43	0.16	2.19	3.12	0.624	2.21	

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Mt Sterling N32							
2.	Substation Location (County-Road-Town) Montgomery-Hwy 11-Mt Sterling							
3.	Circuit name and number - Kiddville - F3							
4.	Circuit Location (town-Road) Mt Sterling-Kiddville							
5.	Total circuit length (miles) - 58.93							
6.	Customer count for this circuit -485							
7.	Date of last circuit trim (VM) - 2014							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 79.524							
10.	Reporting year (SAIDI) 2014 - 242.44							
11.	Circuit 5 year average (SAIFI) 0.764							
12.	Reporting year (SAIFI) 2014 - 1.44							
13.	Outage plan (See attached document)							

SECTION 7: UTILITY COMMENTS

An act of vandalism resulted in an extended outage during a very extreme weather event. A line regulator had been shot and failed sometime after that. New three phase has been added to the end of this feeder to balance the load and prevent overload to the single phase OCR's that was feeding this circuit. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.

	Date	Cause	members	
MTSTRLG3	1/10/2014	100 Construction	1	176
MTSTRLG3	1/16/2014	100 Construction	3	441
MTSTRLG3	1/20/2014	100 Construction	1	319
MTSTRLG3	3/11/2014	100 Construction	5	690
MTSTRLG3	3/11/2014	100 Construction	6	780
MTSTRLG3	8/8/2014	100 Construction	3	54
MTSTRLG3	10/30/2014	100 Construction	3	927
MTSTRLG3	11/5/2014	100 Construction	3	117
MTSTRLG3	11/6/2014	100 Construction	1	79

Mt Sterling Substation - Circuit 2

MTSTRLG3	11/24/2014	100 Construction	6	899				
MTSTRLG3	12/30/2014	100 Construction	1	219				
			33	4701				
MTSTRLG3	1/26/2014	340 Overload	3	534				
MTSTRLG3	1/29/2014	340 Overload	2	108				
MTSTRLG3	7/22/2014	340 Overload	8	608				
MTSTRLG3	1/19/2014	400 Decay/Age of Material/Equipment	1	79				
MTSTRLG3	4/29/2014	400 Decay/Age of Material/Equipment	51	3899				
MTSTRLG3	7/26/2014	400 Decay/Age of Material/Equipment	5	860				
MTSTRLG3	1/9/2014	490 Maintenance, Other	2	838				
MTSTRLG3	8/25/2014	490 Maintenance, Other	1	115				
			73	7041				
MTSTRLG3	6/25/2014	430 Tree failure from overhang or dead tree without ice/snow	5	355				
MTSTRLG3	8/22/2014	430 Tree failure from overhang or dead tree without ice/snow	62	10478				
			67	10833				
MTSTRLG3	5/21/2014	500 Lightning	2	90				
MTSTRLG3	6/20/2014	500 Lightning	1	78				
MTSTRLG3	6/20/2014	500 Lightning	1	30				
MTSTRLG3	7/10/2014	500 Lightning	5	415				
MTSTRLG3	7/23/2014	500 Lightning	8	2176				
MTSTRLG3	7/25/2014	500 Lightning	2	236				
MTSTRLG3	8/22/2014	500 Lightning	11	2101				
MTSTRLG3	8/22/2014	500 Lightning	2	116				
MTSTRLG3	8/22/2014	500 Lightning	1	184				
MTSTRLG3	9/2/2014	500 Lightning	1	162				
			34	5588				
MTSTRLG3	10/11/2014	601 Squirrel	1	68				
MTSTRLG3	3/29/2014	710 Motor Vehicle	3	525				
MTSTRLG3	1/24/2014	750 Vandalism	459	85502				
			462	86027				
MTSTRLG3	6/19/2014	999 Cause Unknown	11	605				
25525								
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Public	462	0.01810	86027	74.94%				
Planned	33	0.00129	4701	4.10%				
Maintenance issues	73	0.00286	7041	6.13%				
Unknown	11	0.00043	605	0.53%				
Trees	67	0.00262	10833	9.44%				
Weather	34	0.00133	5588	4.87%				
Animals	1	0.00004	1	0.00%				
			114796	100.00%				

Mt Sterling Substation - Circuit 2

Mt. Sterling 3	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	35.76	46.14	190.46	70	55.26	397.62	79.524	242.44
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.27	0.43	1.93	0.56	0.63	3.82	0.764	1.44

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Sideview N2						
2.	Substation Location (County-Road-Town) Clark-Oldson Road-North Middletown						
3.	Circuit name and number - Pretty Run - F1						
4.	Circuit Location (town-Road) North Middletown-Pretty Run						
5.	Total circuit length (miles) -93.27						
6.	Customer count for this circuit - 579						
7.	Date of last circuit trim (VM) - 2013						
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)						
9.	Circuit 5 year average (SAIDI) 281.874						
10.	Reporting year (SAIDI) 2014 - 295.31						
11.	Circuit 5 year average (SAIFI) 1.996						
12.	Reporting year (SAIFI) 2014 - 1.89						
13.	Corrective action plan (See attached document)						

SECTION 7: UTILITY COMMENTS

This substation has been targeted to have all porcelain cutouts changed due to the number of outages that occurred. The circuit is very close to the five year average. We will continue applying animal guards to all equipment to prevent animal outages, patrol our lines and apply sound maintenance practices where applicable.

Feeder	Date	Cause	CustomersAffected	CustomerMinutes
SIDEVIEW1	8/21/2014	100 Construction	4	672
SIDEVIEW1	6/18/2014	300 Material or Equipment Fault/Failure	1	96
SIDEVIEW1	11/14/2014	300 Material or Equipment Fault/Failure	2	82
SIDEVIEW1	11/19/2014	300 Material or Equipment Fault/Failure	2	358
SIDEVIEW1	12/13/2014	300 Material or Equipment Fault/Failure	1	107
SIDEVIEW1	1/6/2014	340 Overload	7	882
SIDEVIEW1	1/6/2014	400 Decay/Age of Material/Equipment	1	115
SIDEVIEW1	1/6/2014	400 Decay/Age of Material/Equipment	2	268
SIDEVIEW1	2/13/2014	400 Decay/Age of Material/Equipment	2	220
SIDEVIEW1	2/16/2014	400 Decay/Age of Material/Equipment	2	188
SIDEVIEW1	1/6/2014	490 Maintenance, Other	1	93
SIDEVIEW1	5/27/2014	490 Maintenance, Other	1	114
SIDEVIEW1	5/27/2014	490 Maintenance, Other	1	98
SIDEVIEW1	11/5/2014	490 Maintenance, Other	2	472

Sideview Substation - Circuit 1

SIDEVIEW1	12/2/2014	490 Maintenance, Other	351	72350				
SIDEVIEW1	12/31/2014	490 Maintenance, Other	124	11656				
SIDEVIEW1	4/19/2014	410 Corrosion/Abrasion of Material/Equipment	2	208				
			502	87307				
SIDEVIEW1	4/28/2014	420 Tree Growth	1	143				
SIDEVIEW1	5/7/2014	420 Tree Growth	2	142				
SIDEVIEW1	6/20/2014	430 Tree failure from overhang or dead tree without ice/snow	8	1304				
SIDEVIEW1	7/27/2014	430 Tree failure from overhang or dead tree without ice/snow	1	181				
SIDEVIEW1	10/7/2014	430 Tree failure from overhang or dead tree without ice/snow	1	154				
			13	1924				
SIDEVIEW1	2/20/2014	500 Lightning	2	128				
SIDEVIEW1	2/21/2014	500 Lightning	2	166				
SIDEVIEW1	3/1/2014	500 Lightning	1	107				
SIDEVIEW1	4/28/2014	500 Lightning	1	64				
SIDEVIEW1	7/27/2014	500 Lightning	1	256				
SIDEVIEW1	7/27/2014	500 Lightning	3	630				
SIDEVIEW1	8/21/2014	500 Lightning	1	51				
SIDEVIEW1	8/21/2014	500 Lightning	1	102				
SIDEVIEW1	8/21/2014	500 Lightning	1	89				
SIDEVIEW1	8/21/2014	500 Lightning	1	61				
SIDEVIEW1	10/7/2014	500 Lightning	1	88				
			15	1742				
SIDEVIEW1	2/2/2014	600 Small Animal/Bird	3	216				
SIDEVIEW1	10/17/2014	601 Squirrel	6	480				
SIDEVIEW1	11/16/2014	611 Cattle Rubbing	2	258				
			11	954				
SIDEVIEW1	3/18/2014	740 Public Cuts Tree	149	16539				
SIDEVIEW1	2/3/2014	999 Cause Unknown	6	648				
SIDEVIEW1	5/2/2014	999 Cause Unknown	2	156				
SIDEVIEW1	6/21/2014	999 Cause Unknown	5	510				
SIDEVIEW1	7/8/2014	999 Cause Unknown	2	316				
SIDEVIEW1	12/30/2014	999 Cause Unknown	1	51				
			16	1681				
			710	110819				
25525								
		CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI			
	Public	149	0.00584	16539	14.92%			
	Planned	4	0.00016	672	0.61%			
	Maintanance issues	502	0.01967	87307	78.78%			
	Unknown	710	0.02782	1681	1.52%			
	Trees	13	0.00051	1924	1.74%			
	Weather	15	0.00059	1742	1.57%			
	Animals	11	0.00043	954	0.86%			
				110819	100.00%			
Sideview 1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014

Sideview Substation - Circuit 1

SAIDI	109.74	163.14	77.77	538.27	520.45	1409.37	281.874	295.31
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.88	1.49	1.42	4.63	1.56	9.98	1.996	1.89

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Stanton E1							
2.	Substation Location (County-Road-Town) Powell-Halls Lane-Stanton							
3.	Circuit name and number - Maple Street - F1							
4.	Circuit Location (town-Road) Stanton-Hwy 15							
5.	Total circuit length (miles) - 7.20							
6.	Customer count for this circuit - 600							
7.	Date of last circuit trim (VM) - 2012							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 34.594							
10.	Reporting year (SAIDI) 2014 54.82							
11.	Circuit 5 year average (SAIFI) 0.544							
12.	Reporting year (SAIFI) 2014 -0.55							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

This substation is in town and doesn't have many outages on average. A substation outage pushed this circuit over the SAIDI average for the year. EKP had bad insulators in the substation due to contamination from bird droppings. EKP advised they would make this a part of their inspection priorities.

Feeder	Date	Cause	CustomersAffected	CustomerMinutes
	4/7/2014	000 Power Supply	600	22137
STANTON1	3/11/2014	100 Construction	3	417
STANTON1	3/13/2014	100 Construction	1	98
STANTON1	4/2/2014	100 Construction	3	456
STANTON1	4/8/2014	100 Construction	4	456
STANTON1	4/8/2014	100 Construction	5	925
STANTON1	4/22/2014	100 Construction	1	160
STANTON1	4/22/2014	100 Construction	5	1035
STANTON1	6/9/2014	100 Construction	2	18
STANTON1	7/2/2014	100 Construction	4	132
STANTON1	8/19/2014	100 Construction	5	630
STANTON1	8/25/2014	100 Construction	5	960

Stanton Substation - Circuit 1

STANTON1	8/27/2014	100 Construction	10	1970				
STANTON1	9/3/2014	100 Construction	1	37				
STANTON1	9/19/2014	100 Construction	2	300				
STANTON1	9/19/2014	100 Construction	1	210				
STANTON1	1/2/2014	110 Maintenance	6	174				
			58	7978				
STANTON1	7/2/2014	410 Corrosion/Abrasion of Material/Equipment	16	742				
STANTON1	1/17/2014	490 Maintenance, Other	1	102				
STANTON1	1/20/2014	490 Maintenance, Other	2	108				
			19	952				
STANTON1	6/21/2014	430 Tree failure from overhang or dead tree without ice/snow	5	260				
STANTON1	1/2/2014	601 Squirrel	4	92				
STANTON1	1/31/2014	601 Squirrel	21	1659				
STANTON1	6/26/2014	601 Squirrel	6	582				
STANTON1	11/12/2014	601 Squirrel	2	48				
			33	2381				
STANTON1	11/29/2014	710 Motor Vehicle	233	23150				
			948	56858				
25525								
	CustomersAffected	SAIFI	CustomerMinutes	% of duration				
Public	233	0.00913	23150	40.72%				
Power Supply	600	0.02351	22137	38.93%				
Planned	58	0.00227	7978	14.03%				
Maintenance issues	19	0.00074	952	1.67%				
Unknown	0	0.00000	0	0.00%				
Trees	5	0.00020	260	0.46%				
Weather	0	0.00000	0	0.00%				
Animals	33	0.00129	2381	4.19%				
			56858	100.00%				
Stanton 1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	44.95	32.61	21.67	30.96	42.78	172.97	34.594	54.82
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	1.1	0.2	0.32	0.46	0.64	2.72	0.544	0.55

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1. Substation Name and number - Stanton E1								
2. Substation Location (County-Road-Town) Powell-Halls Lane-Stanton								
3. Circuit name and number - Morris Creek - F2								
4. Circuit Location (town-Road) Stanton-Hwy 213								
5. Total circuit length (miles) - 23.28								
6. Customer count for this circuit - 654								
7. Date of last circuit trim (VM) - 2012								
8. List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)								
9. Circuit 5 year average (SAIDI) 18.39								
10. Reporting year (SAIDI) 2014 - 80.5								
11. Circuit 5 year average (SAIFI) 0.286								
12. Reporting year (SAIFI) 2014 -1.26								
13. Corrective action plan (See attached document)								

SECTION 7: UTILITY COMMENTS

This substation is in town and doesn't have many outages on average. A substation outage pushed this circuit over the SAIDI average for the year. EKP had bad insulators in the substation due to contamination from bird droppings. EKP advised they would make this a part of their inspection priorities.

Feeder	Date	Cause	CustomersAffected	CustomerMinutes
STANTON2	4/7/2014	000 Power Supply	727	50163
STANTON2	5/5/2014	100 Construction	1	60
STANTON2	6/5/2014	100 Construction	2	92
STANTON2	6/18/2014	100 Construction	1	138
STANTON2	6/30/2014	100 Construction	3	501
STANTON2	7/31/2014	100 Construction	2	302
STANTON2	8/7/2014	100 Construction	3	360
STANTON2	8/20/2014	100 Construction	1	430
STANTON2	9/9/2014	100 Construction	3	564
STANTON2	9/9/2014	100 Construction	1	81
STANTON2	9/10/2014	100 Construction	1	191
STANTON2	9/10/2014	100 Construction	1	103
STANTON2	9/11/2014	100 Construction	4	300
STANTON2	9/15/2014	100 Construction	4	712

Stanton Substation - Circuit 2

STANTON2	10/1/2014	100 Construction	1	55					
STANTON2	10/1/2014	100 Construction	2	250					
STANTON2	10/20/2014	100 Construction	3	765					
STANTON2	10/21/2014	100 Construction	3	258					
STANTON2	12/11/2014	100 Construction	1	108					
STANTON2	12/11/2014	100 Construction	3	87					
STANTON2	12/15/2014	100 Construction	1	83					
STANTON2	10/2/2014	110 Maintenance	1	64					
			42	5504					
STANTON2	10/20/2014	300 Material or Equipment Fault/Failure	530	31280					
STANTON2	10/22/2014	300 Material or Equipment Fault/Failure	9	675					
			539	31955					
STANTON2	8/12/2014	999 Cause Unknown	1	55					
STANTON2	6/23/2014	420 Tree Growth	5	335					
STANTON2	5/12/2014	430 Tree failure from overhang or dead tree without ice/snow	1	73					
STANTON2	6/23/2014	430 Tree failure from overhang or dead tree without ice/snow	2	370					
STANTON2	9/7/2014	430 Tree failure from overhang or dead tree without ice/snow	2	206					
			10	984					
STANTON2	8/29/2014	500 Lightning	3	132					
STANTON2	5/23/2014	600 Small Animal/Bird	3	117					
STANTON2	7/27/2014	600 Small Animal/Bird	2	124					
STANTON2	6/27/2014	601 Squirrel	3	81					
STANTON2	11/8/2014	601 Squirrel	14	434					
			22	756					
STANTON2	5/9/2014	800 Other	1	37					
	25525								
		CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Power Supply		727	0.02848	197064	83.33%				
Public		0	0.00000	0	0.00%				
Planned		42	0.00165	5504	2.33%				
Maintanance issues		529	0.02072	32010	13.54%				
Unknown		1	0.00004	55	0.02%				
Trees		10	0.00039	984	0.42%				
Weather		1	0.00004	132	0.06%				
Animals		22	0.00086	726	0.31%				
				236475	100.00%				
Stanton 2	2009		2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	64.81		27.14				91.95	18.39	80.5
	2009		2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Stanton E1						
2.	Substation Location (County-Road-Town) Powell-Hwy 213-Stanton						
3.	Circuit name and number - Furnace Mountain - F3						
4.	Circuit Location (town-Road) Stanton-Hwy 213						
5.	Total circuit length (miles) - 42.74						
6.	Customer count for this circuit - 573						
7.	Date of last circuit trim (VM) - 2012						
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)						
9.	Circuit 5 year average (SAIDI) 37.1						
10.	Reporting year (SAIDI) 2014 -38.42						
11.	Circuit 5 year average (SAIFI) 5.28						
12.	Reporting year (SAIFI) 2014 -0.49						
13.	Corrective action plan (See attached document)						

SECTION 7: UTILITY COMMENTS

This substation is in town and doesn't have many outages on average. A substation outage pushed this circuit over the SAIDI average for the year. EKP had bad insulators in the substation due to contamination from bird droppings. EKP advised they would make this a part of their inspection priorities.

Feeder	date	Cause	CustomersAffected	CustomerMinutes
	4/7/2014	000 Power Supply	608	41952
STANTON3	1/13/2014	100 Construction	1	35
STANTON3	1/16/2014	100 Construction	1	87
STANTON3	3/19/2014	100 Construction	19	2546
STANTON3	3/20/2014	100 Construction	5	385
STANTON3	4/1/2014	100 Construction	1	95
STANTON3	4/21/2014	100 Construction	1	85
STANTON3	4/23/2014	100 Construction	2	196
STANTON3	4/24/2014	100 Construction	1	274

Stanton Substation - Circuit 3

STANTON3	4/24/2014	100 Construction	3	396				
STANTON3	4/29/2014	100 Construction	1	151				
STANTON3	4/29/2014	100 Construction	1	198				
STANTON3	7/2/2014	100 Construction	1	87				
STANTON3	7/3/2014	100 Construction	3	261				
STANTON3	7/17/2014	100 Construction	1	87				
STANTON3	9/4/2014	100 Construction	1	112				
STANTON3	9/22/2014	100 Construction	4	684				
STANTON3	9/23/2014	100 Construction	1	115				
STANTON3	9/23/2014	100 Construction	1	255				
STANTON3	9/24/2014	100 Construction	1	51				
STANTON3	9/30/2014	100 Construction	1	85				
STANTON3	9/30/2014	100 Construction	1	53				
STANTON3	10/2/2014	100 Construction	3	279				
STANTON3	10/6/2014	100 Construction	70	2520				
STANTON3	10/6/2014	100 Construction	1	9				
STANTON3	10/6/2014	100 Construction	1	9				
STANTON3	10/28/2014	100 Construction	1	64				
STANTON3	12/2/2014	100 Construction	1	113				
STANTON3	12/11/2014	100 Construction	1	58				
STANTON3	7/23/2014	110 Maintenance	1	32				
			130	9322				
STANTON3	1/27/2014	400 Decay/Age of Material/Equipment	2	104				
STANTON3	1/6/2014	490 Maintenance, Other	7	315				
			9	419				
STANTON3	1/5/2014	430 Tree failure from overhang or dead tree without ice/snow	2	440				
STANTON3	2/21/2014	430 Tree failure from overhang or dead tree without ice/snow	1	12				
STANTON3	4/12/2014	430 Tree failure from overhang or dead tree without ice/snow	19	1368				
STANTON3	7/27/2014	430 Tree failure from overhang or dead tree without ice/snow	50	5500				
STANTON3	10/6/2014	430 Tree failure from overhang or dead tree without ice/snow	1	498				
STANTON3	10/15/2014	430 Tree failure from overhang or dead tree without ice/snow	3	177				
STANTON3	10/25/2014	430 Tree failure from overhang or dead tree without ice/snow	1	80				
			77	8075				
STANTON3	5/10/2014	500 Lightning	5	275				
STANTON3	6/11/2014	500 Lightning	2	312				
STANTON3	7/27/2014	500 Lightning	1	43				
STANTON3	7/27/2014	500 Lightning	6	990				
STANTON3	7/27/2014	500 Lightning	10	810				
STANTON3	8/14/2014	500 Lightning	1	29				
STANTON3	10/6/2014	500 Lightning	14	602				
STANTON3	10/7/2014	500 Lightning	3	72				
STANTON3	12/28/2014	510 Wind, Not Trees	1	50				
			43	3183				
STANTON3	5/24/2014	600 Small Animal/Bird	4	76				
STANTON3	8/29/2014	600 Small Animal/Bird	6	192				
STANTON3	6/14/2014	601 Squirrel	4	216				
STANTON3	10/25/2014	601 Squirrel	2	42				
STANTON3	12/10/2014	601 Squirrel	1	31				
STANTON3	12/29/2014	601 Squirrel	4	216				
			21	773				
STANTON3	7/12/2014	710 Motor Vehicle	2	258				

Stanton Substation - Circuit 3

STANTON3	8/27/2014	710 Motor Vehicle	1	29				
			3	287				
STANTON3	2/9/2014	999 Cause Unknown	1	38				
	CustomerMinutes	% of SAIDI						
Power Supply	197064	89.92%						
Planned	9322	4.25%						
Maintanance issues	419	0.19%						
Trees	8075	3.68%						
Weather	3183	1.45%						
Animals	773	0.35%						
Public	287	0.13%						
Unknown	38	0.02%						
	219161	100.00%						
Stanton 3	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	27.98	33.33	45.82	43.64	34.73	185.5	37.1	38.42
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.25	0.36	0.58	1.19	0.26	2.64	5.28	0.49

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Stanton E1								
2.	Substation Location (County-Road-Town) Powell-Halls Lane-Stanton								
3.	Circuit name and number - Downtown - F4								
4.	Circuit Location (town-Road) Stanton-Hwy 15								
5.	Total circuit length (miles) -8.95								
6.	Customer count for this circuit - 446								
7.	Date of last circuit trim (VM) - 2012								
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)								
9.	Circuit 5 year average (SAIDI) 17.472								
10.	Reporting year (SAIDI) 2014 - 41.64								
11.	Circuit 5 year average (SAIFI) 0.502								
12.	Reporting year (SAIFI) 2014 - 0.49								
13.	Corrective action plan (See attached document)								

SECTION 7: UTILITY COMMENTS

This substation is in town and doesn't have many outages on average. A substation outage pushed this circuit over the SAIDI average for the year. EKP had bad insulators in the substation due to contamination from bird droppings. EKP advised they would make this a part of their inspection priorities.

Feeder	Date	Cause	CustomersAffected	CustomerMinutes					

Stanton Substation- Circuit 4

	4/7/2014	000 Power Supply	431	29739				
STANTON4	3/18/2014	100 Construction	48	3198				
STANTON4	3/18/2014	100 Construction	2	180				
STANTON4	3/19/2014	100 Construction	1	65				
STANTON4	3/20/2014	100 Construction	72	10152				
STANTON4	3/26/2014	100 Construction	1	184				
STANTON4	3/27/2014	100 Construction	1	220				
STANTON4	8/1/2014	100 Construction	2	78				
STANTON4	10/28/2014	100 Construction	3	477				
			130	14554				
STANTON4	12/12/2014	110 Maintenance	10	420				
STANTON4	12/12/2014	340 Overload	10	290				
			20	710				
STANTON4	8/20/2014	500 Lightning	1	34				
STANTON4	8/20/2014	500 Lightning	1	22				
			2	56				
STANTON4	10/6/2014	600 Small Animal/Bird	2	102				
STANTON4	7/29/2014	601 Squirrel	50	2000				
			52	2102				
		CustomerMinutes		% of SAIDI				
Power Supply		197064		91.88%				
Planned		14554		6.79%				
Maintanance issues		710		0.33%				
Trees		0		0.00%				
Weather		56		0.03%				
Animals		2102		0.98%				
Public		0		0.00%				
Unknown		0		0.00%				
		214486		100.00%				
Stanton 4	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	11.23	15.98	15.67	39.58	4.9	87.36	17.472	41.64
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.23	0.25	0.3	0.36	1.37	2.51	0.502	0.49

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Stanton E1							
2.	Substation Location (County-Road-Town) Powell-Halls Lane-Stanton							
3.	Circuit name and number - Hwy 213\Spacer Cable - F5							
4.	Circuit Location (town-Road) Stanton-Roslyn							
5.	Total circuit length (miles) - 41.60							
6.	Customer count for this circuit - 801							
7.	Date of last circuit trim (VM) - 2012							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 38.102							
10.	Reporting year (SAIDI) 2014 - 39.27							
11.	Circuit 5 year average (SAIFI) 0.516							
12.	Reporting year (SAIFI) 2014 0.35							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

This substation is in town and doesn't have many outages on average. A substation outage pushed this circuit over the SAIDI average for the year. EKP had bad insulators in the substation due to contamination from bird droppings. EKP advised they would make this a part of their inspection priorities.

Feeder	Date	Cause	CustomersAffected	CustomerMinutes
	4/7/2014	000 Power Supply	1770	122130
STANTON5	2/25/2014	100 Construction	2	240
STANTON5	3/5/2014	100 Construction	1	42
STANTON5	3/6/2014	100 Construction	2	250
STANTON5	3/20/2014	100 Construction	1	76
STANTON5	5/1/2014	100 Construction	2	342
STANTON5	5/2/2014	100 Construction	2	388
STANTON5	5/2/2014	100 Construction	8	1416
STANTON5	6/20/2014	100 Construction	2	70
STANTON5	7/2/2014	100 Construction	2	274
STANTON5	8/5/2014	100 Construction	3	447
STANTON5	8/6/2014	100 Construction	5	605
STANTON5	8/7/2014	100 Construction	4	356

Stanton Substation - Circuit 5

			34	4506					
STANTON5	4/16/2014	400 Decay/Age of Material/Equipment	2	294					
STANTON5	4/17/2014	400 Decay/Age of Material/Equipment	6	102					
STANTON5	1/19/2014	490 Maintenance, Other	7	497					
STANTON5	10/31/2014	490 Maintenance, Other	2	112					
			17	1005					
STANTON5	1/5/2014	430 Tree failure from overhang or dead tree without ice/snow	1	257					
STANTON5	5/16/2014	430 Tree failure from overhang or dead tree without ice/snow	2	166					
STANTON5	7/14/2014	430 Tree failure from overhang or dead tree without ice/snow	3	147					
STANTON5	9/1/2014	430 Tree failure from overhang or dead tree without ice/snow	1	336					
STANTON5	10/4/2014	430 Tree failure from overhang or dead tree without ice/snow	12	1284					
STANTON5	11/24/2014	430 Tree failure from overhang or dead tree without ice/snow	3	393					
			22	2583					
STANTON5	9/2/2014	500 Lightning	2	104					
STANTON5	9/2/2014	500 Lightning	1	40					
STANTON5	10/6/2014	500 Lightning	72	936					
			75	1080					
STANTON5	6/18/2014	601 Squirrel	2	100					
STANTON5	10/3/2014	601 Squirrel	4	420					
			6	520					
STANTON5	5/14/2014	710 Motor Vehicle	73	16571					
STANTON5	8/27/2014	710 Motor Vehicle	1	54					
STANTON5	9/15/2014	710 Motor Vehicle	2	104					
STANTON5	6/30/2014	790 Public, Other	16	1584					
			92	18313					
STANTON5	4/19/2014	999 Cause Unknown	5	185					
STANTON5	8/21/2014	999 Cause Unknown	2	186					
	CustomerMinutes	% of SAIDI							
Power Supply	197064	87.48%							
Planned	4506	2.00%							
Maintanance issues	1005	0.45%							
Trees	2583	1.15%							
Weather	1080	0.48%							
Animals	520	0.23%							
Public	18313	8.13%							
Unknown	186	0.08%							
	225257	100.00%							
Stanton 5	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014	
SAIDI	15.65	25.23	20.66	32.56	96.41	190.51	38.102	39.27	
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014	
SAIFI	0.31	0.31	0.21	0.48	1.27	2.58	0.516	0.35	

Three Forks Substation - Circuit 2

SECTION 5: CIRCUIT REPORTING							
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)							
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)							
1.	Substation Name and number - Threeforks S61						
2.	Substation Location (County-Road-Town) Madison-Three Forks-Richmond						
3.	Circuit name and number - Madison Village - F2						
4.	Circuit Location (town-Road) Richmond-Bill Eades West						
5.	Total circuit length (miles) - 17.83						
6.	Customer count for this circuit - 466						
7.	Date of last circuit trim (VM) - 2011						
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause						
	(See attached document)						
9.	Circuit 5 year average (SAIDI) 60.834						
10.	Reporting year (SAIDI) 2014 - 185.73						
11.	Circuit 5 year average (SAIFI) 1.02						
12.	Reporting year (SAIFI) 2014 - 1.92						
13.	Corrective action plan (See attached document)						
SECTION 7: UTILITY COMMENTS							
<p>Three Forks Circuit 2 is a small circuit subjected to one or two large outages causing the circuit to be over the five year average. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable. The power supply outage was due to a coordination problem which has been addressed by EKP. The large maintenance outage was a result of a conductor down. All repairs have been made.</p>							
THRFTKS2	Power Supply		466	30756			

Three Forks Substation - Circuit 2

SAIDI	170.95	20.77	83.03	16.07	13.35	304.17	60.834	185.73
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	2.31	0.21	1.26	1.12	0.2	5.1	1.02	1.18

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Threeforks S61							
2.	Substation Location (County-Road-Town) Madison-Three Forks-Richmond							
3.	Circuit name and number - Three Forks Road - F3							
4.	Circuit Location (town-Road) Richmond-Three Forks							
5.	Total circuit length (miles) - 7.13							
6.	Customer count for this circuit - 145							
7.	Date of last circuit trim (VM) - 2011							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)							
9.	Circuit 5 year average (SAIDI) 71.08							
10.	Reporting year (SAIDI) 2014 -187.53							
11.	Circuit 5 year average (SAIFI) 0.718							
12.	Reporting year (SAIFI) 2014 -2.05							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

Three Forks Circuit 3 is a small circuit subjected to one or two large outages causing the circuit to be over the five year average. The large animal outage was due to a beaver cutting a tree onto the line. We will continue applying animal guards to all transformers to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable. The power supply outage was due to a coordination problem which has been addressed by EKP.

	Individual outages							
THRFRKS3	Power supply	145	9715					
THRFRKS3	420 Tree Growth	2	154					
THRFRKS3	420 Tree Growth	2	310					

Three Forks Substation - Circuit 3

		4	464					
THRFRKS3	490 Maintenance, Other	2	126					
THRFRKS3	500 Lightning	2	70					
THRFRKS3	500 Lightning	1	154					
THRFRKS3	500 Lightning	1	54					
THRFRKS3	500 Lightning	1	48					
THRFRKS3	500 Lightning	7	1183					
THRFRKS3	500 Lightning	5	575					
THRFRKS3	500 Lightning	7	14					
THRFRKS3	500 Lightning	1	47					
THRFRKS3	520 Ice, Sleet, Frost, Not Trees	1	65					
		26	2210					
THRFRKS3	600 Small Animal/Bird	1	63					
THRFRKS3	690 Animal, Other	153	14700					
		154	14763					
THRFRKS3	999 Cause Unknown	1	142					
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Power Supply	145	0.00568	9715	35.43%				
Planned	0	0.00000	0	0.00%				
Maintanance issues	2	0.00008	126	0.46%				
Trees	4	0.00016	464	1.69%				
Weather	26	0.00102	2210	8.06%				
Animals	154	0.00603	14763	53.84%				
Public	0	0.00000	0	0.00%				
Unknown	1	0.00004	142	0.52%				
			27420	100.00%				
Members served	25525							
Three Forks 3	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	85.23	55.2	70.47	34.86	109.64	355.4	71.08	187.53

Three Forks Substation - Circuit 3

	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.32	0.62	1.19	0.3	1.16	3.59	0.718	2.05

SECTION 5: CIRCUIT REPORTING																			
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)																			
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)																			
1. Substation Name and number - Trapp E90																			
2. Substation Location (County-Road-Town) Clark-Trapp Goffs Corner-Trapp																			
3. Circuit name and number - Log Lick Road - F2																			
4. Circuit Location (town-Road) Trapp-Log Lick																			
5. Total circuit length (miles) - 49.99																			
6. Customer count for this circuit - 425																			
7. Date of last circuit trim (VM) - 2011																			
8. List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)																			
9. Circuit 5 year average (SAIDI) 60.528																			
10. Reporting year (SAIDI) 2014 - 84.11																			
11. Circuit 5 year average (SAIFI) 0.718																			
12. Reporting year (SAIFI) 2014 - 0.51																			
13. Corrective action plan (See attached document)																			
SECTION 7: UTILITY COMMENTS																			
<p>Trapp substation/circuit 2 is a small circuit subjected to one or two large outages causing the circuit to be over the five year average. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.</p>																			
		Individual outages																	
TRAPP2	9/30/2014	100 Construction	1	48															
TRAPP2	1/22/2014	340 Overload	59	15399															
TRAPP2	1/23/2014	340 Overload	8	760															
TRAPP2	1/24/2014	340 Overload	2	108															
TRAPP2	1/10/2014	400 Decay/Age of Material/Equipment	59	5015															
TRAPP2	1/10/2014	400 Decay/Age of Material/Equipment	1	72															
			129	21354															
TRAPP2	9/9/2014	420 Tree Growth	2	150															
TRAPP2	1/10/2014	430 Tree failure from overhang or dead tree without ice/snow	1	35															

Trapp Substation - Circuit 2

TRAPP2	6/12/2014	430 Tree failure from overhang or dead tree without ice/snow	1	449				
TRAPP2	6/20/2014	430 Tree failure from overhang or dead tree without ice/snow	24	5988				
TRAPP2	7/23/2014	430 Tree failure from overhang or dead tree without ice/snow	4	1080				
TRAPP2	9/3/2014	430 Tree failure from overhang or dead tree without ice/snow	2	510				
			34	8212				
TRAPP2	2/7/2014	440 Trees With Ice/Snow	1	140				
TRAPP2	4/3/2014	500 Lightning	3	198				
TRAPP2	4/28/2014	500 Lightning	2	118				
TRAPP2	6/20/2014	500 Lightning	7	1652				
TRAPP2	7/24/2014	500 Lightning	7	413				
TRAPP2	9/2/2014	500 Lightning	1	81				
			21	2602				
TRAPP2	6/3/2014	601 Squirrel	2	142				
TRAPP2	8/26/2014	601 Squirrel	2	58				
TRAPP2	10/30/2014	612 Animal/Large Bird	1	55				
			5	255				
TRAPP2	6/15/2014	999 Cause Unknown	7	427				
TRAPP2	8/4/2014	999 Cause Unknown	2	152				
			9	579				
25525								
	CustomersAffected	SAIFI	CustomerMinutes	% of SAIDI				
Power Supply	0	0.00004	0	0.00%				
Planned	1	0.00505	48	0.15%				
Maintanance issues	129	0.00133	21354	64.61%				
Trees	34	0.00082	8212	24.85%				
Weather	21	0.00020	2602	7.87%				
Animals	5	0.00000	255	0.77%				
Public	0	0.00035	0	0.00%				
Unknown	9	0.00000	579	1.75%				
			33050	100.00%				
Members on circuit	425							
Trapp2	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	90.36	74.29	25.06	11.78	101.15	302.64	60.528	84.11
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.82	0.93	0.37	0.18	1.29	3.59	0.718	0.51

SECTION 5: CIRCUIT REPORTING									
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)									
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)									
1.	Substation Name and number - Union City S90								
2.	Substation Location (County-Road-Town) Madison-Union City-Union City								
3.	Circuit name and number - Hackett Pike\Hampton Ridge - F1								
4.	Circuit Location (town-Road) Union City-Hampton Ridge								
5.	Total circuit length (miles) - 30.17								
6.	Customer count for this circuit - 447								
7.	Date of last circuit trim (VM) -								
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)								
9.	Circuit 5 year average (SAIDI) 64.394								
10.	Reporting year (SAIDI) 2014 - 245.61								
11.	Circuit 5 year average (SAIFI) 0.83								
12.	Reporting year (SAIFI) 2014 - 0.75								
13.	Corrective action plan (See attached document)								
SECTION 7: UTILITY COMMENTS									
<p>Most if not all of the tree outages are from yard tree. We have plans to identify cycle buster trees and trim them during 2015. Clark Energy experienced record peaks in the winter of 2014 resulting in some overloading. All loading problems have been corrected. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.</p>									
Feeder	Individual outages	CustomersAffected	CustomerMinutes						
UNIONCITY1	300 Material or Equipment Fault/Failure	15	915						
UNIONCITY1	340 Overload	41	63755						

Union City Substation - Circuit 1

UNIONCITY1	400 Decay/Age of Material/Equipment	12	2916						
UNIONCITY1	410 Corrosion/Abrasion of Material/Equipment	2	384						
UNIONCITY1	490 Maintenance, Other	14	20160						
UNIONCITY1	490 Maintenance, Other	10	1760						
UNIONCITY1	490 Maintenance, Other	15	2595						
UNIONCITY1	490 Maintenance, Other	12	1944						
		121	94429						
UNIONCITY1	420 Tree Growth	12	624						
UNIONCITY1	420 Tree Growth	1	189						
UNIONCITY1	420 Tree Growth	10	580						
UNIONCITY1	420 Tree Growth	12	348						
		35	1741						
UNIONCITY1	500 Lightning	8	432						
UNIONCITY1	500 Lightning	2	100						
UNIONCITY1	500 Lightning	1	84						
UNIONCITY1	500 Lightning	1	66						
UNIONCITY1	500 Lightning	15	2550						
UNIONCITY1	500 Lightning	15	2055						
UNIONCITY1	500 Lightning	12	396						
UNIONCITY1	500 Lightning	1	163						
UNIONCITY1	500 Lightning	2	292						
UNIONCITY1	500 Lightning	1	69						
UNIONCITY1	500 Lightning	1	179						
UNIONCITY1	500 Lightning	101	10216						
UNIONCITY1	500 Lightning	1	75						
UNIONCITY1	500 Lightning	1	37						
		162	16714						
UNIONCITY1	600 Small Animal/Bird	8	288						
UNIONCITY1	600 Small Animal/Bird	10	190						
UNIONCITY1	600 Small Animal/Bird	1	22						
UNIONCITY1	612 Animal/Large Bird	3	228						
		22	728						
UNIONCITY1	999 Cause Unknown	10	920						
25525									
	Members Affected	SAIFI	CustomerMinutes	% of SAIDI					
Power Supply	0	0.00000	0	0.00%					

Union City Substation - Circuit 1

Planned	0	0.00474	0	0.00%				
Maintanance issues	121	0.00137	94429	82.45%				
Trees	35	0.00635	1741	1.52%				
Weather	162	0.00086	16714	14.59%				
Animals	22	0.00000	728	0.64%				
Public	0	0.00039	0	0.00%				
Unknown	10	0.01371	920	0.80%				
	350		114532	100.00%				
Members on circuit	407							
Union City 1	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	61.93	149.5	17.58	32.15	60.81	321.97	64.394	245.6
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.67	2.37	0.24	0.29	0.58	4.15	0.83	0.75

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Union City S90								
2.	Substation Location (County-Road-Town) Madison-Union City-Union City								
3.	Circuit name and number - Four Mile\Hampton Ridge - F4								
4.	Circuit Location (town-Road) Union City-Four Mile								
5.	Total circuit length (miles) - 10.31								
6.	Customer count for this circuit - 383								
7.	Date of last circuit trim (VM) - 2009								
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause (See attached document)								
9.	Circuit 5 year average (SAIDI) 80.502								
10.	Reporting year (SAIDI) 2014 - 102.04								
11.	Circuit 5 year average (SAIFI) 0.66								
12.	Reporting year (SAIFI) 2014 - 1.4								
13.	Corrective action plan (See attached document)								

SECTION 7: UTILITY COMMENTS

Union City Circuit 4 is a small circuit subjected to one or two large outages causing the circuit to be over the five year average. The tree outage was taken care of at the time of the outage and the overload was due to extreme weather. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.

Union City Substation - Circuit 4

		Members affected	Duration					
	Individual outages							
UNIONCITY4	100 Construction	6	510					
UNIONCITY4	100 Construction	2	88					
UNIONCITY4	100 Construction	2	100					
UNIONCITY4	110 Maintenance	2	56					
		12	754					
UNIONCITY4	300 Material or Equipment Fault/Failure	83	9433					
UNIONCITY4	340 Overload	47	1739					
		130	11172					
UNIONCITY4	430 Tree failure from overhang or dead tree without ice/snow	383	26044					
UNIONCITY4	500 Lightning	1	106					
UNIONCITY4	500 Lightning	2	344					
Totals		3	450					
25525								
		Members Affected	SAIFI	CustomerMinutes	% of SAIDI			
Power Supply			0.00047	0	0.00%			
Planned	12		0.00509	754	1.96%			
Maintanance issues	130		0.01500	11172	29.08%			
Trees	383		0.00012	26044	67.79%			
Weather	3		0.00000	450	1.17%			
Animals	0		0.00000	0	0.00%			
Public	0		0.00000	0	0.00%			
Unknown	0		0.02069	0	0.00%			
		528		38420	100.00%			
Members on circuit	383							
Union City 4	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	68.89	211.25	112.27	6.39	3.71	402.51	80.502	102.04
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	0.08	2.09	1.04	0.04	0.05	3.3	0.66	1.4

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1.	Substation Name and number - Van Meter N36							
2.	Substation Location (County-Road-Town) Clark-Van Meter-Winchester							
3.	Circuit name and number - Clintonville -F3							
4.	Circuit Location (town-Road) Winchester-Clintonville							
5.	Total circuit length (miles) - 67.22							
6.	Customer count for this circuit - 599							
7.	Date of last circuit trim (VM) - 2014/2015							
8.	List outage causes for circuit along with percentage of total outage numbers represented by each cause							
	(See attached document)							
9.	Circuit 5 year average (SAIDI) 86.86							
10.	Reporting year (SAIDI) 2014 -93.41							
11.	Circuit 5 year average (SAIFI) 1.024							
12.	Reporting year (SAIFI) 2014 - 0.76							
13.	Corrective action plan (See attached document)							

SECTION 7: UTILITY COMMENTS

Van Meter substation is a small station subjected to one or two large outages causing the circuit to be over the five year average. Plans to circuit trim the substation has been implemented and are currently underway. We will continue applying animal guards to all equipment to prevent animal outages, replacing porcelain cutouts at every opportunity, patrol our lines and apply sound maintenance practices where applicable.

Feeder	Individual outages	CustomersAffected	CustomerMinutes					
VANMTR3	100 Construction	3	690					
VANMTR3	100 Construction	7	959					

Van Meter Substation - Circuit 3

VANMTR3	100 Construction	2	224				
VANMTR3	100 Construction	2	732				
		14	2605				
VANMTR3	300 Material or Equipment Fault/Failure	3	237				
VANMTR3	300 Material or Equipment Fault/Failure	7	1330				
VANMTR3	340 Overload	2	376				
VANMTR3	340 Overload	8	1640				
VANMTR3	340 Overload	3	222				
VANMTR3	340 Overload	2	424				
VANMTR3	490 Maintenance, Other	1	161				
VANMTR3	400 Decay/Age of Material/Equipment	1	104				
		27	4494				
VANMTR3	420 Tree Growth	1	111				
VANMTR3	420 Tree Growth	4	372				
VANMTR3	420 Tree Growth	2	150				
VANMTR3	420 Tree Growth	2	218				
VANMTR3	420 Tree Growth	2	168				
VANMTR3	420 Tree Growth	1	67				
VANMTR3	420 Tree Growth	14	1862				
VANMTR3	420 Tree Growth	4	292				
VANMTR3	420 Tree Growth	9	684				
VANMTR3	420 Tree Growth	2	174				
VANMTR3	430 Tree failure out of ROW	276	32292				
VANMTR3	470 Borrower crew cuts tree	9	594				
		326	36984				
VANMTR3	500 Lightning	2	158				
VANMTR3	500 Lightning	10	530				
VANMTR3	500 Lightning	2	198				
VANMTR3	500 Lightning	2	156				
VANMTR3	500 Lightning	1	187				
VANMTR3	500 Lightning	3	231				
VANMTR3	500 Lightning	5	535				
VANMTR3	500 Lightning	1	223				
VANMTR3	520 Ice, Sleet, Frost, Not Trees	5	85				
		31	2303				
VANMTR3	600 Small Animal/Bird	2	198				
VANMTR3	600 Small Animal/Bird	5	360				
VANMTR3	600 Small Animal/Bird	2	286				
VANMTR3	612 Animal/Large Bird	1	61				

Van Meter Substation - Circuit 3

		10	905					
VANMTR3	710 Motor Vehicle	1	167					
VANMTR3	999 Cause Unknown	5	3670					
VANMTR3	999 Cause Unknown	2	138					
VANMTR3	999 Cause Unknown	2	170					
		9	3978					
Totals	25525	418	51436					
		Members Affected	SAIFI	CustomerMinutes	% of SAIDI			
Power Supply	0	0.00000	0	0.00%				
Planned	14	0.00055	2605	5.06%				
Maintanance issues	27	0.00106	4494	8.74%				
Trees	326	0.01277	36984	71.90%				
Weather	31	0.00121	2303	4.48%				
Animals	10	0.00039	905	1.76%				
Public	1	0.00004	167	0.32%				
Unknown	9	0.00035	3978	7.73%				
	418		51436	100.00%				
Van Meter3	2009	2010	2011	2012	2013	Total SAIDI	5 Yr Ave	2014
SAIDI	119.1	41.76	111.9	117.01	44.53	434.3	86.86	93.41
	2009	2010	2011	2012	2013	Total SAIFI	5 Yr Ave	2014
SAIFI	1.36	0.51	1.13	1.7	0.42	5.12	1.024	0.76