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MAR 31 2016

PUBLIC SERVICE
COMMISSION

March 31, 2016

Kyle Willard, Director of Engineering
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40602

RE: Case No. 2011-00450

Dear Mr. Willard:

Enclosed is South Kentucky's Electric Distribution Utility Annual Reliability Reports submitted pursuant to the above referenced case.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads 'Dennis Holt'.

Dennis Holt
South Kentucky R.E.C.C.
Vice President of Operations

Enclosures

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	South Kentucky RECC
REPORT PREPARED BY	Kevin Newton
E-MAIL ADDRESS OF PREPARER	knewton@skrecc.com
PHONE NUMBER OF PREPARER	(606)678-4121

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2015
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SECTION 3: MAJOR EVENT DAYS

T_{MED}	17.68 minutes per consumer
FIRST DATE USED TO DETERMINE T_{MED}	1-Jan-11
LAST DATE USED TO DETERMINE T_{MED}	31-Dec-15
NUMBER OF MED IN REPORT YEAR	1

NOTE: Per IEEE 1366 T_{MED} 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 INFORMATION AND RESULTS

SYSTEM-WIDE INFORMATION

TOTAL CUSTOMERS	<u>68138</u>	TOTAL CIRCUITS	<u>143</u>
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Excluding MED

5-YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>173.04</u>	SAIDI	<u>162.87</u>
SAIFI	<u>2.4</u>	SAIFI	<u>1.71</u>

Including MED

5-YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>227.55</u>	SAIDI	<u>182.45</u>
SAIFI	<u>2.96</u>	SAIFI	<u>1.82</u>

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 May 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 T_{MED}

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

required reporting for individual circuits is attached

Electric Distribution Utility Annual Reliability Report

Additional pages may be attached as necessary

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATIVE MANAGEMENT PLAN

VMP is attached to this report.

Evaluation of the 2015 VMP

Introduction:

SKRECC has had a formally written VMP in place since 2007. In prior years SK did not have a formally written plan; however, we did have established goals and objectives that were being monitored and administered by the Right-of-Way Manager.

Bushhogging:

In 2015 the cooperative performed 45 miles of bush hogging.

Herbicide Spraying:

For the year of 2015 we accomplished all of the herbicide spraying that was planned for. This was approximately 619 miles of spraying.

Cycle Trimming:

For the standard trimming cycle work the cooperative planned to trim 20 circuits for the year. We completed those circuits or approximately 730 miles of this work.

Other Trimming and Cutting:

In 2015 we built to approximately 931 new members, and this amounted to approximately 44 miles of new overhead distribution line clearing. We were able to take care of the clearing for all these new lines.

Along with the above mentioned work, we were able to complete 1,845 individual work-orders for trimming and other right-of-way work at various locations across the system. These were primarily places near the member's homes that involved yard trees or other special situations, but included the full range of right-of-way work that is typical for a rural electric system.

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Conclusions:

At the end of 2015 we were very close to being on schedule for all of our planned right-of-way work. We feel that our Right-of-Way plan was implemented well, but we will continue to look for ways to improve in both cost containment and effectiveness of methods. We are evaluating the data that is contained in the annual reliability report to the PSC and will consider the worst performing circuits to see if any changes in our right-of-way plans are needed to help improve reliability on those circuits.

SECTION 7: UTILITY COMMENTS

South Kentucky RECC's worst performing circuits were typically rural circuits with tree lined right of ways. The majority of the ranking circuits show TREES as the prominent cause of the outages. This holds true for both the frequency of outages (SAIFI list) and the duration of the outage (SAIDI list).

We would also note that many of the outages that are categorized as TREES are outages that occurred during storms. The category is picked by the dispatcher with the assistance of the crew working the outage. During busy times the category may be picked without getting information from the field, and TREES may be picked when the outage may more accurately be identified as WIND or LIGHTNING. Many of the outages during storms are off right of way trees. We have very few outages caused by trees brushing the line. Trees brushing the line are much more likely to cause flicker or dimming and present safety issues for the public. We feel we are on a good cycle for trimming and the fact that TREES shows up as the cause so frequently is not a reflection on our VMP, but rather a result of the number of miles of line we have that is in tree lined right of ways.

We believe that the nature of a rural system lends itself to longer feeders and thus more exposure. Longer feeders along with increased travel time to outages affect the duration and frequency of outages on these longer feeders that are so common to the rural co-ops.

We had 73 feeders that had SAIDI or SAIFI values over their 5 year average in 2015. This represents about half of our feeders, but that is not surprising since we are comparing to the average. We would expect about half of the feeders to be over this value in any given year. We have identified 11 feeders that will receive an extra look for right of way issues, etc. We found several trees that needed trimming etc. during last years inspections, and all issues were taken care of in 2015.

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Russell Springs #1	
2) Substation location (County-road-town)	Russell Springs	
3) Circuit name and number	Bernard Ridge - 0102	
4) Circuit location (town-road-general area)	Bernard Ridge	
5) Total Circuit Length (miles)	25	
6) Customer count for this circuit	490	
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	Unknown Cause	
	Other Animal	
	Trees	13%
	Lightning	
	Car Hit Pole	
	SOURCE	87%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	94.11	
10) Reporting year SAIDI	126.68	
11) Circuit 5 year average SAIFI	0.73	
12) Reporting year SAIFI	1.15	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Russell Springs #1
2) Substation location (County-road-town)	Russell Springs
3) Circuit name and number	French Valley Industrial Park - 0103
4) Circuit location (town-road-general area)	Hails Hwy 379 to industrial park
5) Total Circuit Length (miles)	12
6) Customer count for this circuit	129
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	Unknown Cause Other Animal Trees 10% Lightning Car Hit Pole SOURCE 98% Defective Equip Transformer 1% Customer Wiring 1% Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	32.9
10) Reporting year SAIDI	108.84
11) Circuit 5 year average SAIFI	0.55
12) Reporting year SAIFI	1.03
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Russell Springs #1	
2) Substation location (County-road-town)	Russell Springs	
3) Circuit name and number	Hails Hwy - 0104	
4) Circuit location (town-road-general area)	Hails Hwy 379	
5) Total Circuit Length (miles)	59	
6) Customer count for this circuit	717	
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	Unknown Cause	
	Other Animal	
	Trees	2%
	Lightning	1%
	Car Hit Pole	74%
	SOURCE	3%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	20%
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	102.3	
10) Reporting year SAIDI	192.69	
11) Circuit 5 year average SAIFI	1.61	
12) Reporting year SAIFI	3.08	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Russell Springs #1	
2) Substation location (County-road-town)	Russell Springs	
3) Circuit name and number	West 80 - 0105	
4) Circuit location (town-road-general area)	West Hwy 80 from RS	
5) Total Circuit Length (miles)	48	
6) Customer count for this circuit	814	
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	Unknown Cause	
	Other Animal	
	Trees	1%
	Lightning	1%
	Car Hit Pole	15%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	3%
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	80%
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	126.28	
10) Reporting year SAIDI	182.44	
11) Circuit 5 year average SAIFI	1.18	
12) Reporting year SAIFI	1.11	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Russell Springs #1	
2) Substation location (County-road-town)	Russell Springs	
3) Circuit name and number	Sano - 0106	
4) Circuit location (town-road-general area)	Sano	
5) Total Circuit Length (miles)	59.8	
6) Customer count for this circuit	737	
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	Unknown Cause	
	Other Animal	
	Trees	60%
	Lightning	23.0%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	4%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	13%
9) Circuit 5 year average SAIDI	89.7	
10) Reporting year SAIDI	105.68	
11) Circuit 5 year average SAIFI	1.38	
12) Reporting year SAIFI	1.96	
13) List of correction action, if any, taken or to be taken		

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SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Windsor #2	
2) Substation location (County-road-town)	Windsor	
3) Circuit name and number	Caintown - 0202	
4) Circuit location (town-road-general area)	W80 and N Hwy 837	
5) Total Circuit Length (miles)	116	
6) Customer count for this circuit	1018	
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	Unknown Cause	8%
	Other Animal	
	Trees	73.0%
	Lightning	4%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	4%
	Transf Fuse Blown	1.0%
	Line Fuse	3%
	Broke Pole	
	Wind	
	Load	
	Planned	7%
9) Circuit 5 year average SAIDI	149.9	
10) Reporting year SAIDI	315.3	
11) Circuit 5 year average SAIFI	1.33	
12) Reporting year SAIFI	3.11	
13) List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Windsor #2	
2) Substation location (County-road-town)	Windsor	
3) Circuit name and number	To Windsor Post Office - 0204	
4) Circuit location (town-road-general area)	E80 toward Russell Springs	
5) Total Circuit Length (miles)	17	
6) Customer count for this circuit	204	
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	Unknown Cause	
	Other Animal	
	Trees	20.0%
	Lightning	80%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	26.54	
10) Reporting year SAIDI	76.33	
11) Circuit 5 year average SAIFI	0.55	
12) Reporting year SAIFI	1.26	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Nancy #3	
2) Substation location (County-road-town)	Nancy	
3) Circuit name and number	Faubush - 0302	
4) Circuit location (town-road-general area)	Faubush community	
5) Total Circuit Length (miles)	25.01	
6) Customer count for this circuit	243	
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	Unknown Cause	
	Other Animal	
	Trees	40%
	Lightning	18%
	Car Hit Pole	1%
	SOURCE	
	Defective Equip	
	Transformer	1%
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	40%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	43.52	
10) Reporting year SAIDI	89.39	
11) Circuit 5 year average SAIFI	0.84	
12) Reporting year SAIFI	2.18	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Nancy #3	
2)	Substation location (County-road-town)	Nancy	
3)	Circuit name and number	Hickory Nut - 0303	
4)	Circuit location (town-road-general area)	Hickory Nut Ridge	
5)	Total Circuit Length (miles)	54.5	
6)	Customer count for this circuit	546	
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	Unknown Cause Other Animal Trees 30% Lightning 35% Car Hit Pole 15% SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down 20% Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	
9)	Circuit 5 year average SAIDI	182.36	
10)	Reporting year SAIDI	301.48	
11)	Circuit 5 year average SAIFI	1.76	
12)	Reporting year SAIFI	2.74	
13)	List of correction action, if any, taken or to be taken		

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SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Nancy #3	
2) Substation location (County-road-town)	Nancy	
3) Circuit name and number	Lanetown/Piney Grove - 0304	
4) Circuit location (town-road-general area)	Piney Grove Road area	
5) Total Circuit Length (miles)	38.3	
6) Customer count for this circuit	544	
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	Unknown Cause	3%
	Other Animal	
	Trees	95%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	2%
9) Circuit 5 year average SAIDI	50.5	
10) Reporting year SAIDI	65.89	
11) Circuit 5 year average SAIFI	0.65	
12) Reporting year SAIFI	0.82	
13) List of correction action, if any, taken or to be taken		

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SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Mt. Olive #4	
2) Substation location (County-road-town)	Mt. Olive	
3) Circuit name and number	Calvary Ridge - 0401	
4) Circuit location (town-road-general area)	Hwy 501	
5) Total Circuit Length (miles)	48.36	
6) Customer count for this circuit	512	
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	Unknown Cause	15%
	Other Animal	
	Trees	50%
	Lightning	25%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	10%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	341.18	
10) Reporting year SAIDI	353.61	
11) Circuit 5 year average SAIFI	3.6	
12) Reporting year SAIFI	5.27	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Mt. Olive #4	
2) Substation location (County-road-town)	Mt. Olive	
3) Circuit name and number	Walltown - 0402	
4) Circuit location (town-road-general area)	Hwy 837	
5) Total Circuit Length (miles)	66.17	
6) Customer count for this circuit	641	
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	Unknown Cause	
	Other Animal	
	Trees	90%
	Lightning	5%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	3.0%
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	2%
	Load	
	Planned	
9) Circuit 5 year average SAIDI	206.79	
10) Reporting year SAIDI	434.42	
11) Circuit 5 year average SAIFI	1.4	
12) Reporting year SAIFI	2.68	
13) List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.	

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SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Mt. Olive #4	
2) Substation location (County-road-town)	Mt. Olive	
3) Circuit name and number	Casey Stone - 0406	
4) Circuit location (town-road-general area)	Hwy 70	
5) Total Circuit Length (miles)	64.74	
6) Customer count for this circuit	542	
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	Unknown Cause	31%
	Other Animal	
	Trees	10%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	50%
	Transf Fuse Blown	
	Line Fuse	7%
	Broke Pole	2%
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	359	
10) Reporting year SAIDI	550.45	
11) Circuit 5 year average SAIFI	3.03	
12) Reporting year SAIFI	3.34	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Somerset #5
2) Substation location (County-road-town)	Somerset Bypass
3) Circuit name and number	Southern Hills - 0504
4) Circuit location (town-road-general area)	Parkers Mill Rd
5) Total Circuit Length (miles)	10.3
6) Customer count for this circuit	458
7) Date of last circuit trim (VM)	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees Lightning 5% Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel 5% Bird 5% Major Storm Line Down Transf Fuse Blown 5% Line Fuse Broke Pole Wind Load Planned 80%
9) Circuit 5 year average SAIDI	60.96
10) Reporting year SAIDI	11.41
11) Circuit 5 year average SAIFI	0.78
12) Reporting year SAIFI	1.04
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Somerset #5	
2) Substation location (County-road-town)	Somerset Bypass	
3) Circuit name and number	Oak Hill Road - 0505	
4) Circuit location (town-road-general area)	Oak Hill Road	
5) Total Circuit Length (miles)	8.69	
6) Customer count for this circuit	214	
7) Date of last circuit trim (VM)		
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
	Other Animal	
	Trees	2%
	Lightning	
	Car Hit Pole	80%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	1%
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	2%
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	15%
9) Circuit 5 year average SAIDI	172.88	
10) Reporting year SAIDI	244	
11) Circuit 5 year average SAIFI	1.53	
12) Reporting year SAIFI	3.22	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	East Somerset #6	
2) Substation location (County-road-town)	East of Somerset	
3) Circuit name and number	Bolton Subd - 0602	
4) Circuit location (town-road-general area)	Bolton Subd	
5) Total Circuit Length (miles)	6.6	
6) Customer count for this circuit	124	
7) Date of last circuit trim (VM)	2006	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
	Other Animal	
	Trees	51%
	Lightning	43%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	6%
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	70.13	
10) Reporting year SAIDI	46.4	
11) Circuit 5 year average SAIFI	0.68	
12) Reporting year SAIFI	0.75	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	East Somerset #6	
2)	Substation location (County-road-town)	East of Somerset	
3)	Circuit name and number	East 192 - 0604	
4)	Circuit location (town-road-general area)	East Hwy 192	
5)	Total Circuit Length (miles)	60.84	
6)	Customer count for this circuit	760	
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	Unknown Cause	3%
		Other Animal	
		Trees	73%
		Lightning	20%
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	2%
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	
		Wind	
		Load	
		Planned	2%
9)	Circuit 5 year average SAIDI	136.6	
10)	Reporting year SAIDI	148.84	
11)	Circuit 5 year average SAIFI	1.86	
12)	Reporting year SAIFI	1.1	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	East Somerset #6	
2) Substation location (County-road-town)	East of Somerset	
3) Circuit name and number	Gofftown - 0605	
4) Circuit location (town-road-general area)	Gofftown/Grundy Rd.	
5) Total Circuit Length (miles)	41	
6) Customer count for this circuit	556	
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	Unknown Cause	1%
	Other Animal	
	Trees	44%
	Lightning	8%
	Car Hit Pole	5%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	40%
	Transf Fuse Blown	
	Line Fuse	2%
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	211.46	
10) Reporting year SAIDI	176.25	
11) Circuit 5 year average SAIFI	1.91	
12) Reporting year SAIFI	2.08	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Shopville #7	
2)	Substation location (County-road-town)	Shopville	
3)	Circuit name and number	Stab - 0701	
4)	Circuit location (town-road-general area)	E Hwy 80	
5)	Total Circuit Length (miles)	115	
6)	Customer count for this circuit	887	
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	Unknown Cause	
		Other Animal	
		Trees	45%
		Lightning	46%
		Car Hit Pole	1%
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	1%
		Transf Fuse Blown	
		Line Fuse	1%
		Broke Pole	4%
		Wind	
		Load	
		Planned	2%
9)	Circuit 5 year average SAIDI	304.18	
10)	Reporting year SAIDI	592	
11)	Circuit 5 year average SAIFI	2.05	
12)	Reporting year SAIFI	3.51	
13)	List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.		

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South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)

1) Substation name and number	Shopville #7
2) Substation location (County-road-town)	Shopville
3) Circuit name and number	Valley Oak - 0705
4) Circuit location (town-road-general area)	N. Hwy 461
5) Total Circuit Length (miles)	93.57
6) Customer count for this circuit	750
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	Unknown Cause Other Animal Trees 28% Lightning Car Hit Pole 50% SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down 4% Transf Fuse Blown Line Fuse 18% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	103.84
10) Reporting year SAIDI	88.24
11) Circuit 5 year average SAIFI	0.611
12) Reporting year SAIFI	0.656
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Norwood #8	
2) Substation location (County-road-town)	Norwood	
3) Circuit name and number	Parkway Manor - 0803	
4) Circuit location (town-road-general area)	Wilson Road	
5) Total Circuit Length (miles)	31.59	
6) Customer count for this circuit	806	
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	Unknown Cause	
	Other Animal	
	Trees	54%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	40%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	2%
	Wind	
	Load	
	Planned	4%
9) Circuit 5 year average SAIDI	108.63	
10) Reporting year SAIDI	303.99	
11) Circuit 5 year average SAIFI	1.12	
12) Reporting year SAIFI	1.99	
13) List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Norwood #8
2) Substation location (County-road-town)	Norwood
3) Circuit name and number	Breezy Hills - 0804
4) Circuit location (town-road-general area)	Breezy Hills area
5) Total Circuit Length (miles)	21.87
6) Customer count for this circuit	521
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	Unknown Cause Other Animal Trees 63% Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down 4% Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned 33%
9) Circuit 5 year average SAIDI	57.21
10) Reporting year SAIDI	86.02
11) Circuit 5 year average SAIFI	0.81
12) Reporting year SAIFI	0.56
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Floyd #9
2) Substation location (County-road-town)	Floyd area
3) Circuit name and number	Estesburg - 0901
4) Circuit location (town-road-general area)	Estesburg Road
5) Total Circuit Length (miles)	14.83
6) Customer count for this circuit	183
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	Unknown Cause Other Animal Trees 90% Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown 2% Line Fuse 8% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	44.93
10) Reporting year SAIDI	125.57
11) Circuit 5 year average SAIFI	0.6
12) Reporting year SAIFI	1.04
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Floyd #9	
2) Substation location (County-road-town)	Floyd area	
3) Circuit name and number	N. 1247 - 0903	
4) Circuit location (town-road-general area)	N. Hwy 1247	
5) Total Circuit Length (miles)	60.47	
6) Customer count for this circuit	611	
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	Unknown Cause	1%
	Other Animal	
	Trees	6%
	Lightning	20%
	Car Hit Pole	
	SOURCE	
	Defective Equip	5%
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	66%
	Transf Fuse Blown	
	Line Fuse	1%
	Broke Pole	
	Wind	
	Load	
	Planned	1%
9) Circuit 5 year average SAIDI	91.67	
10) Reporting year SAIDI	155.61	
11) Circuit 5 year average SAIFI	1.18	
12) Reporting year SAIFI	1.31	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)

1) Substation name and number	Floyd #9
2) Substation location (County-road-town)	Floyd area
3) Circuit name and number	S. Hwy 27 - 0904
4) Circuit location (town-road-general area)	S Hwy 27 from sub
5) Total Circuit Length (miles)	6.33
6) Customer count for this circuit	118
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	Unknown Cause Other Animal Trees 50% Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown 35% Line Fuse Broke Pole 15% Wind Load Planned
9) Circuit 5 year average SAIDI	6.98
10) Reporting year SAIDI	20.5
11) Circuit 5 year average SAIFI	0.12
12) Reporting year SAIFI	0.42
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Floyd #9	
2) Substation location (County-road-town)	Floyd area	
3) Circuit name and number	N 27 - 0905	
4) Circuit location (town-road-general area)	N. Hwy 27 Eubank	
5) Total Circuit Length (miles)	48.21	
6) Customer count for this circuit	563	
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	Unknown Cause	
	Other Animal	
	Trees	60%
	Lightning	20%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	12%
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	8%
9) Circuit 5 year average SAIDI	160.27	
10) Reporting year SAIDI	233.68	
11) Circuit 5 year average SAIFI	1.23	
12) Reporting year SAIFI	1.53	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	South Albany #11	
2) Substation location (County-road-town)	Albany	
3) Circuit name and number	Downtown - 1104	
4) Circuit location (town-road-general area)	Downtown	
5) Total Circuit Length (miles)	11.5	
6) Customer count for this circuit	739	
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	Unknown Cause	
	Other Animal	
	Trees	10%
	Lightning	
	Car Hit Pole	25%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	40%
	Transf Fuse Blown	
	Line Fuse	5%
	Broke Pole	
	Wind	
	Load	
	Planned	20%
9) Circuit 5 year average SAIDI	137.22	
10) Reporting year SAIDI	204.97	
11) Circuit 5 year average SAIFI	2.45	
12) Reporting year SAIFI	4.72	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Sewellton #12	
2)	Substation location (County-road-town)	Sewellton	
3)	Circuit name and number	Hay 55 - 1204	
4)	Circuit location (town-road-general area)	Hwy 55	
5)	Total Circuit Length (miles)	110	
6)	Customer count for this circuit	915	
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	Unknown Cause 60% Other Animal Trees 34% Lightning Car Hit Pole SOURCE 4% Defective Equip Transformer Customer Wiring Squirrel 2% Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	
9)	Circuit 5 year average SAIDI	206.42	
10)	Reporting year SAIDI	193.81	
11)	Circuit 5 year average SAIFI	2.56	
12)	Reporting year SAIFI	5.3	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Zula #13	
2) Substation location (County-road-town)	Zula	
3) Circuit name and number	Susie - 1301	
4) Circuit location (town-road-general area)	Susie area	
5) Total Circuit Length (miles)	44.54	
6) Customer count for this circuit	549	
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	Unknown Cause	
	Other Animal	
	Trees	60%
	Lightning	15%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	15%
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	6%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	4%
9) Circuit 5 year average SAIDI	115.81	
10) Reporting year SAIDI	101.59	
11) Circuit 5 year average SAIFI	1.05	
12) Reporting year SAIFI	1.45	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

- | | |
|---|---|
| 1) Substation name and number | Zula #13 |
| 2) Substation location (County-road-town) | Zula |
| 3) Circuit name and number | American Woodmark -1302 |
| 4) Circuit location (town-road-general area) | From Susie going East |
| 5) Total Circuit Length (miles) | 14.5 |
| 6) Customer count for this circuit | 134 |
| 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 | Unknown Cause
Other Animal
Trees
Lightning 20%
Car Hit Pole 80%
SOURCE
Defective Equip
Transformer
Customer Wiring
Squirrel
Bird
Major Storm
Line Down
Transf Fuse Blown
Line Fuse
Broke Pole
Wind
Load
Planned |
| 9) Circuit 5 year average SAIDI | 85.95 |
| 10) Reporting year SAIDI | 77.4 |
| 11) Circuit 5 year average SAIFI | 0.55 |
| 12) Reporting year SAIFI | 0.63 |
| 13) List of correction action, if any, taken or to be taken | |

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Zula #13	
2) Substation location (County-road-town)	Zula	
3) Circuit name and number	Powersburg - 1303	
4) Circuit location (town-road-general area)	To Powersburg area	
5) Total Circuit Length (miles)	85.7	
6) Customer count for this circuit	805	
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	Unknown Cause	
	Other Animal	
	Trees	25%
	Lightning	
	Car Hit Pole	72%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	3%
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	227.29	
10) Reporting year SAIDI	319.39	
11) Circuit 5 year average SAIFI	1.49	
12) Reporting year SAIFI	1.79	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Zula #13	
2) Substation location (County-road-town)	Zula	
3) Circuit name and number	Alpha - 1304	
4) Circuit location (town-road-general area)	Hwy 90 toward Albany	
5) Total Circuit Length (miles)	18	
6) Customer count for this circuit	222	
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	Unknown Cause	28%
	Other Animal	
	Trees	
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	1%
	Bird	1%
	Major Storm	
	Line Down	
	Transf Fuse Blown	2%
	Line Fuse	66%
	Broke Pole	
	Wind	
	Load	
	Planned	2%
9) Circuit 5 year average SAIDI	63.46	
10) Reporting year SAIDI	98.83	
11) Circuit 5 year average SAIFI	0.95	
12) Reporting year SAIFI	1.46	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Monticello #14	
2) Substation location (County-road-town)	Monticello	
3) Circuit name and number	Rodger's Grove - 1401	
4) Circuit location (town-road-general area)	Rodger's Grove area	
5) Total Circuit Length (miles)	19.79	
6) Customer count for this circuit	380	
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	Unknown Cause	
	Other Animal	
	Trees	
	Lightning	88%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	8%
	Bird	1%
	Major Storm	
	Line Down	
	Transf Fuse Blown	2%
	Line Fuse	1%
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	69.36	
10) Reporting year SAIDI	78.94	
11) Circuit 5 year average SAIFI	1.34	
12) Reporting year SAIFI	1.29	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Monticello #14	
2) Substation location (County-road-town)	Monticello	
3) Circuit name and number	Spann Hill - 1404	
4) Circuit location (town-road-general area)	E Hwy 92	
5) Total Circuit Length (miles)	133.95	
6) Customer count for this circuit	1180	
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	Unknown Cause	8%
	Other Animal	
	Trees	41%
	Lightning	1%
	Car Hit Pole	35%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	12%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	2%
	Wind	
	Load	
	Planned	1%
9) Circuit 5 year average SAIDI	382.9	
10) Reporting year SAIDI	424.15	
11) Circuit 5 year average SAIFI	3.78	
12) Reporting year SAIFI	3.54	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Bronston #15	
2)	Substation location (County-road-town)	Bronston	
3)	Circuit name and number	Antioch Shores - 1503	
4)	Circuit location (town-road-general area)	Antioch Shores area	
5)	Total Circuit Length (miles)	25.37	
6)	Customer count for this circuit	680	
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	Unknown Cause	2%
		Other Animal	
		Trees	95%
		Lightning	
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	3%
		Broke Pole	
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	107.49	
10)	Reporting year SAIDI	279.1	
11)	Circuit 5 year average SAIFI	1.24	
12)	Reporting year SAIFI	1.12	
13)	List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Bronston #15	
2) Substation location (County-road-town)	Bronston	
3) Circuit name and number	Tateville - 1504	
4) Circuit location (town-road-general area)	Tateville area	
5) Total Circuit Length (miles)	50.14	
6) Customer count for this circuit	977	
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	Unknown Cause	
	Other Animal	
	Trees	85%
	Lightning	11%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	1%
	Broke Pole	1%
	Wind	
	Load	
	Planned	2%
9) Circuit 5 year average SAIDI	307.21	
10) Reporting year SAIDI	404.6	
11) Circuit 5 year average SAIFI	2.6	
12) Reporting year SAIFI	2.06	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Bronston #15	
2) Substation location (County-road-town)	Bronston	
3) Circuit name and number	Kidder - 1506	
4) Circuit location (town-road-general area)	Hwy 790 W	
5) Total Circuit Length (miles)	35.12	
6) Customer count for this circuit	1203	
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	Unknown Cause	
	Other Animal	10%
	Trees	15%
	Lightning	6%
	Car Hit Pole	
	SOURCE	
	Defective Equip	58%
	Transformer	
	Customer Wiring	
	Squirrel	9%
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	2%
9) Circuit 5 year average SAIDI	183.21	
10) Reporting year SAIDI	346.87	
11) Circuit 5 year average SAIFI	2.07	
12) Reporting year SAIFI	4.26	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Whitley City #17	
2) Substation location (County-road-town)	Whitley City	
3) Circuit name and number	Williamsburg Street - 1701	
4) Circuit location (town-road-general area)	Williamsburg Street	
5) Total Circuit Length (miles)	17.64	
6) Customer count for this circuit	583	
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	Unknown Cause	
	Other Animal	
	Trees	11%
	Lightning	10%
	Car Hit Pole	
	SOURCE	55%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	4%
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	20%
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	195.26	
10) Reporting year SAIDI	159.07	
11) Circuit 5 year average SAIFI	1.48	
12) Reporting year SAIFI	1.64	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Whitley City #17	
2) Substation location (County-road-town)	Whitley City	
3) Circuit name and number	Hilltop - 1702	
4) Circuit location (town-road-general area)	W Hwy 92	
5) Total Circuit Length (miles)	78.3	
6) Customer count for this circuit	818	
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	Unknown Cause	20%
	Other Animal	
	Trees	20%
	Lightning	50%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	3%
	Broke Pole	2%
	Wind	
	Load	
	Planned	5%
9) Circuit 5 year average SAIDI	385	
10) Reporting year SAIDI	433.05	
11) Circuit 5 year average SAIFI	3.27	
12) Reporting year SAIFI	3.48	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Pine Knot #18	
2)	Substation location (County-road-town)	Pine Knot	
3)	Circuit name and number	Whitley City - 1805	
4)	Circuit location (town-road-general area)	N 27	
5)	Total Circuit Length (miles)	9.82	
6)	Customer count for this circuit	250	
7)	Date of last circuit trim (VM)		
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	95 2 3
9)	Circuit 5 year average SAIDI	88.92	
10)	Reporting year SAIDI	92.89	
11)	Circuit 5 year average SAIFI	0.87	
12)	Reporting year SAIFI	0.5	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Oakhill #19	
2) Substation location (County-road-town)	Oakhill Road area	
3) Circuit name and number	Green Meadows - 1902	
4) Circuit location (town-road-general area)	Green Meadows subd	
5) Total Circuit Length (miles)	14.51	
6) Customer count for this circuit	709	
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	Unknown Cause	
	Other Animal	
	Trees	18%
	Lightning	
	Car Hit Pole	
	SOURCE	50%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	30%
	Broke Pole	2%
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	85.4	
10) Reporting year SAIDI	233.69	
11) Circuit 5 year average SAIFI	1.34	
12) Reporting year SAIFI	2.53	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

- | | |
|---|---|
| 1) Substation name and number | W. Somerset #21 |
| 2) Substation location (County-road-town) | Patterson Branch Rd. |
| 3) Circuit name and number | Woodrige Est - 2102 |
| 4) Circuit location (town-road-general area) | Fishing Creek area |
| 5) Total Circuit Length (miles) | 19.13 |
| 6) Customer count for this circuit | 734 |
| 7) Date of last circuit trim (VM) | |
| 8) List outage causes for circuit along with percentage of total outage numbers represented by each cause | Unknown Cause
Other Animal
Trees
Lightning
Car Hit Pole
SOURCE
Defective Equip
Transformer
Customer Wiring
Squirrel
Bird
Major Storm
Line Down
Transf Fuse Blown
Line Fuse
Broke Pole
Wind
Load
Planned |
| 9) Circuit 5 year average SAIDI | 127.93 |
| 10) Reporting year SAIDI | 160.14 |
| 11) Circuit 5 year average SAIFI | 0.74 |
| 12) Reporting year SAIFI | 1.57 |
| 13) List of correction action, if any, taken or to be taken | |

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

- | | |
|---|---|
| 1) Substation name and number | W. Somerset #21 |
| 2) Substation location (County-road-town) | Patterson Branch Rd. |
| 3) Circuit name and number | Woodrige Est - 2102 |
| 4) Circuit location (town-road-general area) | Fishing Creek area |
| 5) Total Circuit Length (miles) | 19.13 |
| 6) Customer count for this circuit | 734 |
| 7) Date of last circuit trim (VM) | |
| 8) List outage causes for circuit along with percentage of total outage numbers represented by each cause | Unknown Cause
Other Animal
Trees
Lightning
Car Hit Pole
SOURCE
Defective Equip
Transformer
Customer Wiring
Squirrel
Bird
Major Storm
Line Down
Transf Fuse Blown
Line Fuse
Broke Pole
Wind
Load
Planned |
| 9) Circuit 5 year average SAIDI | 127.93 |
| 10) Reporting year SAIDI | 160.14 |
| 11) Circuit 5 year average SAIFI | 0.74 |
| 12) Reporting year SAIFI | 1.57 |
| 13) List of correction action, if any, taken or to be taken | |

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	W. Somerset #21
2) Substation location (County-road-town)	Patterson Branch Rd.
3) Circuit name and number	Oak Hill Schools - 2103
4) Circuit location (town-road-general area)	Patterson Branch Rd.
5) Total Circuit Length (miles)	14.93
6) Customer count for this circuit	616
7) Date of last circuit trim (VM)	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees 85% Lightning 4% Car Hit Pole SOURCE Defective Equip Transformer 2% Customer Wiring Squirrel 2% Bird 2% Major Storm Line Down Transf Fuse Blown Line Fuse 5% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	57.09
10) Reporting year SAIDI	150.5
11) Circuit 5 year average SAIFI	0.72
12) Reporting year SAIFI	0.77
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	W. Somerset #21	
2) Substation location (County-road-town)	Patterson Branch Rd.	
3) Circuit name and number	Lee's Ford - 2104	
4) Circuit location (town-road-general area)	W 80	
5) Total Circuit Length (miles)	14.52	
6) Customer count for this circuit	459	
7) Date of last circuit trim (VM)		
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	9%
	Other Animal	
	Trees	50%
	Lightning	20%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	6%
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	12%
	Broke Pole	1%
	Wind	
	Load	
	Planned	2%
9) Circuit 5 year average SAIDI	66.6	
10) Reporting year SAIDI	294.21	
11) Circuit 5 year average SAIFI	0.65	
12) Reporting year SAIFI	1.91	
13) List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Salem #22	
2) Substation location (County-road-town)	Salem	
3) Circuit name and number	To Ono - 2202	
4) Circuit location (town-road-general area)	Ono	
5) Total Circuit Length (miles)	51.45	
6) Customer count for this circuit	616	
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	Unknown Cause	
	Other Animal	
	Trees	50%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	4%
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	6%
	Line Fuse	
	Broke Pole	10%
	Wind	
	Load	
	Planned	30%
9) Circuit 5 year average SAIDI	134.17	
10) Reporting year SAIDI	20.62	
11) Circuit 5 year average SAIFI	0.94	
12) Reporting year SAIFI	1.22	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Salem #22	
2)	Substation location (County-road-town)	Salem	
3)	Circuit name and number	Alligator - 2203	
4)	Circuit location (town-road-general area)	Alligator dock area	
5)	Total Circuit Length (miles)	41.01	
6)	Customer count for this circuit	874	
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	Unknown Cause	
		Other Animal	
		Trees	75%
		Lightning	1%
		Car Hit Pole	22%
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	1%
		Broke Pole	
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	236.35	
10)	Reporting year SAIDI	557.06	
11)	Circuit 5 year average SAIFI	1.48	
12)	Reporting year SAIFI	3.88	
13)	List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Cabin Hollow #23	
2)	Substation location (County-road-town)	Cabin Hollow area	
3)	Circuit name and number	Rush Branch - 2302	
4)	Circuit location (town-road-general area)	Rush Branch Road	
5)	Total Circuit Length (miles)	64.94	
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	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	7% 60% 30% 3%
9)	Circuit 5 year average SAIDI	276.1	
10)	Reporting year SAIDI	281.4	
11)	Circuit 5 year average SAIFI	2.58	
12)	Reporting year SAIFI	3.33	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	South Floyd #24	
2)	Substation location (County-road-town)	Northern Pulaski Co	
3)	Circuit name and number	Mt. Zion - 2404	
4)	Circuit location (town-road-general area)	Mt. Zion community	
5)	Total Circuit Length (miles)	45.51	
6)	Customer count for this circuit	710	
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	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	10% 15% 75%
9)	Circuit 5 year average SAIDI	48.31	
10)	Reporting year SAIDI	25.3	
11)	Circuit 5 year average SAIFI	0.84	
12)	Reporting year SAIFI	1.12	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	South Oakhill #25
2) Substation location (County-road-town)	Oakhill Road area
3) Circuit name and number	Waide's Woods - 2502
4) Circuit location (town-road-general area)	Waide's Woods subd
5) Total Circuit Length (miles)	26.19
6) Customer count for this circuit	616
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	Unknown Cause Other Animal Trees 14% Lightning 2% Car Hit Pole 65% SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down 14% Transf Fuse Blown 1% Line Fuse 3% Broke Pole Wind Load Planned 1%
9) Circuit 5 year average SAIDI	145.89
10) Reporting year SAIDI	316.18
11) Circuit 5 year average SAIFI	1.81
12) Reporting year SAIFI	3.34
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Snow #26	
2)	Substation location (County-road-town)	Hwy 90 Albany	
3)	Circuit name and number	East Hwy 90 - 2603	
4)	Circuit location (town-road-general area)	East Hwy 90	
5)	Total Circuit Length (miles)	5.91	
6)	Customer count for this circuit	17	
7)	Date of last circuit trim (VM)		
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	100%
9)	Circuit 5 year average SAIDI	65.38	
10)	Reporting year SAIDI	114.82	
11)	Circuit 5 year average SAIFI	0.68	
12)	Reporting year SAIFI	1.29	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	East Pine Knot #28	
2)	Substation location (County-road-town)	East of Pine Knot	
3)	Circuit name and number	Davis Hill - 2804	
4)	Circuit location (town-road-general area)	East Bethel Road	
5)	Total Circuit Length (miles)	27.96	
6)	Customer count for this circuit	587	
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	Unknown Cause	13%
		Other Animal	25%
		Trees	16%
		Lightning	10%
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	5%
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	1%
		Line Fuse	15%
		Broke Pole	
		Wind	
		Load	
		Planned	15%
9)	Circuit 5 year average SAIDI	167.78	
10)	Reporting year SAIDI	158.03	
11)	Circuit 5 year average SAIFI	3.47	
12)	Reporting year SAIFI	4.01	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)

1)	Substation name and number	Cemetery Road #29	
2)	Substation location (County-road-town)	Lincoln Co	
3)	Circuit name and number	Parlor Grove Road - 2901	
4)	Circuit location (town-road-general area)	Hwy 1781	
5)	Total Circuit Length (miles)	59.92	
6)	Customer count for this circuit	571	
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	Unknown Cause	
		Other Animal	
		Trees	83%
		Lightning	
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	2%
		Broke Pole	12%
		Wind	
		Load	
		Planned	3%
9)	Circuit 5 year average SAIDI	428.36	
10)	Reporting year SAIDI	785.9	
11)	Circuit 5 year average SAIFI	4.88	
12)	Reporting year SAIFI	4.37	
13)	List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG (excluding MED)

- | | |
|---|---|
| 1) Substation name and number | Cemetery Road #29 |
| 2) Substation location (County-road-town) | Lincoln Co |
| 3) Circuit name and number | Waynesburg - 2902 |
| 4) Circuit location (town-road-general area) | Waynesburg |
| 5) Total Circuit Length (miles) | 50.79 |
| 6) Customer count for this circuit | 484 |
| 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 | Unknown Cause
Other Animal
Trees 90%
Lightning
Car Hit Pole
SOURCE
Defective Equip
Transformer
Customer Wiring
Squirrel
Bird
Major Storm
Line Down
Transf Fuse Blown
Line Fuse 9%
Broke Pole
Wind
Load
Planned 1% |
| 9) Circuit 5 year average SAIDI | 430.55 |
| 10) Reporting year SAIDI | 499.15 |
| 11) Circuit 5 year average SAIFI | 3.97 |
| 12) Reporting year SAIFI | 3.28 |
| 13) List of correction action, if any, taken or to be taken | |

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG (excluding MED)

1)	Substation name and number	Jamestown #30	
2)	Substation location (County-road-town)	Jamestown area	
3)	Circuit name and number	Moore School Road - 3002	
4)	Circuit location (town-road-general area)	Moore School Road area	
5)	Total Circuit Length (miles)	24.7	
6)	Customer count for this circuit	381	
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	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	1% 99%
9)	Circuit 5 year average SAIDI	258.64	
10)	Reporting year SAIDI	331.99	
11)	Circuit 5 year average SAIFI	2.07	
12)	Reporting year SAIFI	1.09	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Jamestown #30	
2)	Substation location (County-road-town)	Jamestown area	
3)	Circuit name and number	Jamestown Dock - 3005	
4)	Circuit location (town-road-general area)	Hwy 92	
5)	Total Circuit Length (miles)	20.25	
6)	Customer count for this circuit	535	
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	Unknown Cause	1%
		Other Animal	
		Trees	84%
		Lightning	
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	3%
		Broke Pole	
		Wind	
		Load	
		Planned	12%
9)	Circuit 5 year average SAIDI	103.64	
10)	Reporting year SAIDI	237.82	
11)	Circuit 5 year average SAIFI	1	
12)	Reporting year SAIFI	2.29	
13)	List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected in 2016.		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Wiborg #31	
2) Substation location (County-road-town)	Wiborg area	
3) Circuit name and number	Beulah Hts - 3104	
4) Circuit location (town-road-general area)	Beulah Hts Road	
5) Total Circuit Length (miles)	66.55	
6) Customer count for this circuit	761	
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	Unknown Cause	
	Other Animal	
	Trees	50%
	Lightning	17%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	22%
	Transf Fuse Blown	
	Line Fuse	2%
	Broke Pole	9%
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	330.49	
10) Reporting year SAIDI	300.41	
11) Circuit 5 year average SAIFI	3.1	
12) Reporting year SAIFI	3.8	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

- | | | |
|---|--|-----|
| 1) Substation name and number | Nelson Valley #32 | |
| 2) Substation location (County-road-town) | Nelson Valley road area | |
| 3) Circuit name and number | Stilesville Road - 3202 | |
| 4) Circuit location (town-road-general area) | Stilesville Road | |
| 5) Total Circuit Length (miles) | 49.22 | |
| 6) Customer count for this circuit | 661 | |
| 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 | Unknown Cause | 11% |
| | Other Animal | |
| | Trees | 1% |
| | Lightning | 70% |
| | Car Hit Pole | |
| | SOURCE | |
| | Defective Equip | 1% |
| | Transformer | |
| | Customer Wiring | |
| | Squirrel | |
| | Bird | |
| | Major Storm | |
| | Line Down | 12% |
| | Transf Fuse Blown | |
| | Line Fuse | 5% |
| | Broke Pole | |
| | Wind | |
| | Load | |
| | Planned | |
| 9) Circuit 5 year average SAIDI | 215.76 | |
| 10) Reporting year SAIDI | 456.14 | |
| 11) Circuit 5 year average SAIFI | 2.02 | |
| 12) Reporting year SAIFI | 3.52 | |
| 13) List of correction action, if any, taken or to be taken | | |
| | An inspection was completed in 2015 due to issues during the year. | |

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Nelson Valley #32	
2) Substation location (County-road-town)	Nelson Valley Road	
3) Circuit name and number	Eagles Nest - 3204	
4) Circuit location (town-road-general area)	Eagles Nest CC	
5) Total Circuit Length (miles)	14.84	
6) Customer count for this circuit	350	
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	Unknown Cause	2%
	Other Animal	
	Trees	
	Lightning	
	Car Hit Pole	94%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	2%
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	2%
9) Circuit 5 year average SAIDI	96.46	
10) Reporting year SAIDI	215.94	
11) Circuit 5 year average SAIFI	1.11	
12) Reporting year SAIFI	1.3	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Nelson Valley #32	
2)	Substation location (County-road-town)	Nelson Valley Road	
3)	Circuit name and number	Rainbow Terrace - 3205	
4)	Circuit location (town-road-general area)	Hwy 39 south	
5)	Total Circuit Length (miles)	13.82	
6)	Customer count for this circuit	326	
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	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	93% 1% 6%
9)	Circuit 5 year average SAIDI	34.89	
10)	Reporting year SAIDI	62.22	
11)	Circuit 5 year average SAIFI	0.46	
12)	Reporting year SAIFI	1.06	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Zollicoffer #33
2) Substation location (County-road-town)	Zollicoffer Road
3) Circuit name and number	John Andy Meece - 3304
4) Circuit location (town-road-general area)	Hwy 235
5) Total Circuit Length (miles)	44.63
6) Customer count for this circuit	600
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	Unknown Cause Other Animal Trees 77% Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down 16% Transf Fuse Blown Line Fuse Broke Pole 7% Wind Load Planned
9) Circuit 5 year average SAIDI	184.85
10) Reporting year SAIDI	299.85
11) Circuit 5 year average SAIFI	1.47
12) Reporting year SAIFI	1.31
13) List of correction action, if any, taken or to be taken	

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Webbs X-rds #36	
2)	Substation location (County-road-town)	Webbs X-rds area	
3)	Circuit name and number	Humble - 3604	
4)	Circuit location (town-road-general area)	Humble area	
5)	Total Circuit Length (miles)	13.36	
6)	Customer count for this circuit	288	
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	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	66% 3% 7% 20% 4%
9)	Circuit 5 year average SAIDI	22.79	
10)	Reporting year SAIDI	44.52	
11)	Circuit 5 year average SAIFI	0.56	
12)	Reporting year SAIFI	0.95	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Woodstock #37	
2)	Substation location (County-road-town)	Woodstock area	
3)	Circuit name and number	Charles Elgin - 3703	
4)	Circuit location (town-road-general area)	Charles Elgin Road	
5)	Total Circuit Length (miles)	12.24	
6)	Customer count for this circuit	107	
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	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	100%
9)	Circuit 5 year average SAIDI	10.95	
10)	Reporting year SAIDI	21.43	
11)	Circuit 5 year average SAIFI	0.13	
12)	Reporting year SAIFI	0.35	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Woodstock #37	
2)	Substation location (County-road-town)	Woodstock area	
3)	Circuit name and number	Bandy - 3704	
4)	Circuit location (town-road-general area)	Bandy area	
5)	Total Circuit Length (miles)	91.06	
6)	Customer count for this circuit	858	
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	Unknown Cause	5%
		Other Animal	
		Trees	8%
		Lightning	35%
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	12%
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	28%
		Wind	
		Load	
		Planned	12%
9)	Circuit 5 year average SAIDI	232.68	
10)	Reporting year SAIDI	337	
11)	Circuit 5 year average SAIFI	1.95	
12)	Reporting year SAIFI	3.01	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)

- | | | | |
|-----|--|---|--|
| 1) | Substation name and number | Homestead #38 | |
| 2) | Substation location (County-road-town) | Monticello City | |
| 3) | Circuit name and number | Beldens - 3801 | |
| 4) | Circuit location (town-road-general area) | Beldens | |
| 5) | Total Circuit Length (miles) | 4.83 | |
| 6) | Customer count for this circuit | 283 | |
| 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 | Unknown Cause
Other Animal
Trees
Lightning
Car Hit Pole
SOURCE
Defective Equip
Transformer
Customer Wiring
Squirrel
Bird
Major Storm
Line Down
Transf Fuse Blown
Line Fuse
Broke Pole
Wind
Load
Planned | 80%

20% |
| 9) | Circuit 5 year average SAIDI | 50.98 | |
| 10) | Reporting year SAIDI | 235.99 | |
| 11) | Circuit 5 year average SAIFI | 0.34 | |
| 12) | Reporting year SAIFI | 1.34 | |
| 13) | List of correction action, if any, taken or to be taken | An inspection was completed in 2015 due to issues during the year. | |

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Homestead #38	
2)	Substation location (County-road-town)	Monticello City	
3)	Circuit name and number	Old N Hwy 90 - 3803	
4)	Circuit location (town-road-general area)	Old Hwy 90 north	
5)	Total Circuit Length (miles)	12.31	
6)	Customer count for this circuit	414	
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	Unknown Cause Other Animal Trees Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned	99% 1%
9)	Circuit 5 year average SAIDI	22.88	
10)	Reporting year SAIDI	28.31	
11)	Circuit 5 year average SAIFI	0.63	
12)	Reporting year SAIFI	0.97	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Homestead #38	
2) Substation location (County-road-town)	Monticello City	
3) Circuit name and number	Hwy 167 - 3804	
4) Circuit location (town-road-general area)	Hwy 167	
5) Total Circuit Length (miles)	15.86	
6) Customer count for this circuit	788	
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	Unknown Cause	1%
	Other Animal	
	Trees	2%
	Lightning	
	Car Hit Pole	80%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	2%
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	15%
9) Circuit 5 year average SAIDI	88.04	
10) Reporting year SAIDI	97.84	
11) Circuit 5 year average SAIFI	1.87	
12) Reporting year SAIFI	1.65	
13) List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG (excluding MED)

1)	Substation name and number	Jabez #39	
2)	Substation location (County-road-town)	Jabez area	
3)	Circuit name and number	4H Camp - 3902	
4)	Circuit location (town-road-general area)	Hwy 196 far end	
5)	Total Circuit Length (miles)	24.65	
6)	Customer count for this circuit	261	
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	Unknown Cause Other Animal Trees 90% Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole 9% Wind Load Planned 1%	
9)	Circuit 5 year average SAIDI	48.25	
10)	Reporting year SAIDI	87.1	
11)	Circuit 5 year average SAIFI	0.68	
12)	Reporting year SAIFI	2.08	
13)	List of correction action, if any, taken or to be taken		

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)

- | | | | |
|-----|--|---|---|
| 1) | Substation name and number | Jabez #39 | |
| 2) | Substation location (County-road-town) | Jabez area | |
| 3) | Circuit name and number | Cherokee - 3903 | |
| 4) | Circuit location (town-road-general area) | Hwy 3277 | |
| 5) | Total Circuit Length (miles) | 35.52 | |
| 6) | Customer count for this circuit | 602 | |
| 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 | Unknown Cause
Other Animal
Trees
Lightning
Car Hit Pole
SOURCE
Defective Equip
Transformer
Customer Wiring
Squirrel
Bird
Major Storm
Line Down
Transf Fuse Blown
Line Fuse
Broke Pole
Wind
Load
Planned |

61%

25%

14% |
| 9) | Circuit 5 year average SAIDI | 502.15 | |
| 10) | Reporting year SAIDI | 491.63 | |
| 11) | Circuit 5 year average SAIFI | 3.76 | |
| 12) | Reporting year SAIFI | 4.73 | |
| 13) | List of correction action, if any, taken or to be taken | This circuit will be visually inspected in 2016. | |

South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

- | | | | |
|-----|--|----------------------|-----|
| 1) | Substation name and number | Jabez #39 | |
| 2) | Substation location (County-road-town) | Jabez area | |
| 3) | Circuit name and number | Cook's Chapel - 3904 | |
| 4) | Circuit location (town-road-general area) | Hwy 196 E | |
| 5) | Total Circuit Length (miles) | 41.89 | |
| 6) | Customer count for this circuit | 671 | |
| 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 | Unknown Cause | |
| | | Other Animal | |
| | | Trees | 18% |
| | | Lightning | |
| | | Car Hit Pole | 22% |
| | | SOURCE | |
| | | Defective Equip | |
| | | Transformer | |
| | | Customer Wiring | |
| | | Squirrel | 4% |
| | | Bird | |
| | | Major Storm | |
| | | Line Down | |
| | | Transf Fuse Blown | |
| | | Line Fuse | 2% |
| | | Broke Pole | 6% |
| | | Wind | |
| | | Load | 48% |
| | | Planned | |
| 9) | Circuit 5 year average SAIDI | 299.66 | |
| 10) | Reporting year SAIDI | 544.54 | |
| 11) | Circuit 5 year average SAIFI | 2.25 | |
| 12) | Reporting year SAIFI | 3.2 | |
| 13) | List of correction action, if any, taken or to be taken | | |



South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1) Substation name and number	Gregory Road #40	
2) Substation location (County-road-town)	Gregory area	
3) Circuit name and number	Elk Ridge - 4004	
4) Circuit location (town-road-general area)	Gregory Road	
5) Total Circuit Length (miles)	20.42	
6) Customer count for this circuit	293	
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	Unknown Cause	
	Other Animal	
	Trees	50%
	Lightning	
	Car Hit Pole	
	SOURCE	35%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	15%
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	112.45	
10) Reporting year SAIDI	177.98	
11) Circuit 5 year average SAIFI	1.2	
12) Reporting year SAIFI	2.08	
13) List of correction action, if any, taken or to be taken		



South Kentucky RECC

SECTION 5: CIRCUIT REPORTING

**CIRCUITS with SAIDI AND/OR SAIFI EXCEEDING 5-year AVG
(excluding MED)**

1)	Substation name and number	Gregory Road #40	
2)	Substation location (County-road-town)	Gregory area	
3)	Circuit name and number	Delta - 4005	
4)	Circuit location (town-road-general area)	Delta area	
5)	Total Circuit Length (miles)	81.62	
6)	Customer count for this circuit	486	
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	Unknown Cause	5%
		Other Animal	
		Trees	55%
		Lightning	5%
		Car Hit Pole	
		SOURCE	25%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	7%
		Transf Fuse Blown	
		Line Fuse	3%
		Broke Pole	
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	158.15	
10)	Reporting year SAIDI	244.41	
11)	Circuit 5 year average SAIFI	1.44	
12)	Reporting year SAIFI	3.09	
13)	List of correction action, if any, taken or to be taken		