



200 Electric Avenue  
Post Office Box 910  
Somerset, KY 42502-0910  
Telephone 606-678-4121  
Toll Free 800-264-5112  
Fax 606-679-8279  
[www.skrecc.com](http://www.skrecc.com)

Allen Anderson, President & CEO

April 12, 2017

Dr. Talina R. Mathews, Ph.D.  
Executive Director  
Public Service Commission  
211 Sower Boulevard  
Frankfort, Kentucky 40602

RECEIVED

APR 18 2017

PUBLIC SERVICE  
COMMISSION

RE: Case No. 2011-00450

Dear Dr. Mathews:

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 black ink that reads 'Dennis Holt'.

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

DH:ak

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	<a href="mailto:knewton@skrecc.com">knewton@skrecc.com</a>
PHONE NUMBER OF PREPARER	(606)678-4121

---

### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2016
-------------------------	------

---

### SECTION 3: MAJOR EVENT DAYS

$T_{MED}$	20.55 minutes per consumer
FIRST DATE USED TO DETERMINE $T_{MED}$	1-Jan-12
LAST DATE USED TO DETERMINE $T_{MED}$	31-Dec-16
NUMBER OF MED IN REPORT YEAR	3

---

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>67952</u>	TOTAL CIRCUITS	<u>143</u>
-----------------	--------------	----------------	------------

Excluding MED

5-YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>175.22</u>	SAIDI	<u>159.88</u>
SAIFI	<u>2.05</u>	SAIFI	<u>1.83</u>

Including MED

5-YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>263</u>	SAIDI	<u>454.77</u>
SAIFI	<u>2.47</u>	SAIFI	<u>2.43</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 2016 VMP

#### **Introduction:**

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

#### **Bushhogging:**

In 2016 the cooperative performed 331 miles of bush hogging.

#### **Herbicide Spraying:**

For the year of 2016 we accomplished all of the herbicide spraying that was planned for. This was approximately 1086 miles of spraying.

#### **Cycle Trimming:**

For the standard trimming cycle work the cooperative planned to trim 18 circuits for the year. We completed those circuits or approximately 619 miles of this work.

#### **Other Trimming and Cutting:**

In 2016 we built to approximately 941 new members, and this amounted to approximately 45 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 2,139 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.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Conclusions:

At the end of 2016 we were 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 80 feeders that had SAIDI or SAIFI values over their 5 year average in 2016. 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 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	Flatrock- 3101	
4) Circuit location (town-road-general area)	S 27 toward Flatrock	
5) Total Circuit Length (miles)	53.01	
6) Customer count for this circuit	988	
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	80%
	Lightning	2%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	1%
	Major Storm	12%
	Line Down	5%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	721.49	
10) Reporting year SAIDI	2388.23	
11) Circuit 5 year average SAIFI	3.95	
12) Reporting year SAIFI	3.84	
13) List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected.	

**South Kentucky RECC**

**SECTION 5: CIRCUIT REPORTING**

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

1) Substation name and number	Upchurch #35	
2) Substation location (County-road-town)	Upchurch area	
3) Circuit name and number	Clinton Co Ind Park- 3502	
4) Circuit location (town-road-general area)	CC Ind Pk	
5) Total Circuit Length (miles)	57.67	
6) Customer count for this circuit	857	
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	Unknown Cause	
	Other Animal	
	Trees	68%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	20%
	Major Storm	8%
	Line Down	2%
	Transf Fuse Blown	
	Line Fuse	2%
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	110.02	
10) Reporting year SAIDI	377.37	
11) Circuit 5 year average SAIFI	1.06	
12) Reporting year SAIFI	2.2	
13) List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected.	

**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)	2015	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	86%
		Lightning	
		Car Hit Pole	
		SOURCE	10%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	1%
		Major Storm	2%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	1%
		Broke Pole	
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	154.35	
10)	Reporting year SAIDI	665.19	
11)	Circuit 5 year average SAIFI	2.37	
12)	Reporting year SAIFI	9.26	
13)	List of correction action, if any, taken or to be taken		
		This circuit will be visually inspected.	

**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 1% Other Animal Trees 13.0% Lightning 1% Car Hit Pole SOURCE 15% Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm 32% Line Down 36% Transf Fuse Blown 1.0% Line Fuse Broke Pole Wind Load Planned 1%
9) Circuit 5 year average SAIDI	118.54
10) Reporting year SAIDI	475.48
11) Circuit 5 year average SAIFI	1.15
12) Reporting year SAIFI	3.12
13) List of correction action, if any, taken or to be taken	This circuit will be visually inspected.



**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)	2016	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
	Other Animal	
	Trees	32%
	Lightning	1%
	Car Hit Pole	
	SOURCE	31%
	Defective Equip	
	Transformer	1%
	Customer Wiring	
	Squirrel	
	Bird	1%
	Major Storm	11%
	Line Down	2%
	Transf Fuse Blown	1%
	Line Fuse	1%
	Broke Pole	18%
	Wind	
	Load	
	Planned	1%
9) Circuit 5 year average SAIDI	353.68	
10) Reporting year SAIDI	943.83	
11) Circuit 5 year average SAIFI	2.32	
12) Reporting year SAIFI	3.95	
13) List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected.	

**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)	2015	
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	38%             1% 56%  1% 2% 2%
9)	Circuit 5 year average SAIDI	114.37	
10)	Reporting year SAIDI	304.65	
11)	Circuit 5 year average SAIFI	0.79	
12)	Reporting year SAIFI	0.7	
13)	List of correction action, if any, taken or to be taken	This circuit will be visually inspected.	

**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)	2015	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	10%
		Other Animal	
		Trees	33%
		Lightning	
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	6%
		Line Down	50%
		Transf Fuse Blown	1%
		Line Fuse	
		Broke Pole	
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	85.75	
10)	Reporting year SAIDI	231.63	
11)	Circuit 5 year average SAIFI	0.55	
12)	Reporting year SAIFI	1.24	
13)	List of correction action, if any, taken or to be taken		
		This circuit will be visually inspected.	

**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	Kelly Lane- 1402	
4)	Circuit location (town-road-general area)	Old Hwy 90 N	
5)	Total Circuit Length (miles)	31.6	
6)	Customer count for this circuit	401	
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	Unknown Cause	
		Other Animal	
		Trees	11%
		Lightning	
		Car Hit Pole	
		SOURCE	7%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	24%
		Line Down	4%
		Transf Fuse Blown	
		Line Fuse	40%
		Broke Pole	13%
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	236.3	
10)	Reporting year SAIDI	675.82	
11)	Circuit 5 year average SAIFI	1.91	
12)	Reporting year SAIFI	3.14	
13)	List of correction action, if any, taken or to be taken		
		This circuit will be visually inspected.	

**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. Victory #16	
2)	Substation location (County-road-town)	Mt. Victory	
3)	Circuit name and number	Hwy 192	
4)	Circuit location (town-road-general area)	Hwy 192	
5)	Total Circuit Length (miles)	66.44	
6)	Customer count for this circuit	614	
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	68%
		Lightning	1%
		Car Hit Pole	
		SOURCE	2%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	25%
		Line Down	1%
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	2%
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	571.8	
10)	Reporting year SAIDI	1388.56	
11)	Circuit 5 year average SAIFI	3.48	
12)	Reporting year SAIFI	3.41	
13)	List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected.		



**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 Hwy 80- 2205	
4)	Circuit location (town-road-general area)	W. Hwy 80	
5)	Total Circuit Length (miles)	22.64	
6)	Customer count for this circuit	409	
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	96%
		Lightning	2%
		Car Hit Pole	
		SOURCE	1%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	262.25	
10)	Reporting year SAIDI	832.07	
11)	Circuit 5 year average SAIFI	3.87	
12)	Reporting year SAIFI	1.81	
13)	List of correction action, if any, taken or to be taken		
	This circuit will be visually inspected.		

**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	1%
	Other Animal	
	Trees	10%
	Lightning	
	Car Hit Pole	54%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	1%
	Major Storm	32%
	Line Down	1%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	1%
9) Circuit 5 year average SAIDI	191.04	
10) Reporting year SAIDI	355.62	
11) Circuit 5 year average SAIFI	1.32	
12) Reporting year SAIFI	0.94	
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	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)	2015
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees 34.0% Lightning Car Hit Pole SOURCE 1% Defective Equip Transformer 4% Customer Wiring Squirrel 1% Bird 1% Major Storm 17% Line Down 1% Transf Fuse Blown Line Fuse Broke Pole 5% Wind 1% Load Planned 35%
9) Circuit 5 year average SAIDI	194.69
10) Reporting year SAIDI	426.34
11) Circuit 5 year average SAIFI	1.78
12) Reporting year SAIFI	3.88
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	Windsor #2
2) Substation location (County-road-town)	Windsor
3) Circuit name and number	Gosser Ridge- 0203
4) Circuit location (town-road-general area)	Gosser Ridge area
5) Total Circuit Length (miles)	62.19
6) Customer count for this circuit	509
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 8.0% Lightning 3% Car Hit Pole 35% SOURCE 40% Defective Equip Transformer 1% Customer Wiring Squirrel Bird Major Storm 10% Line Down 1% Transf Fuse Blown 1% Line Fuse 1% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	180.76
10) Reporting year SAIDI	462.67
11) Circuit 5 year average SAIFI	1.45
12) Reporting year SAIFI	3.55
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	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 1% Other Animal Trees 13.0% Lightning 1% Car Hit Pole SOURCE 15% Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm 32% Line Down 36% Transf Fuse Blown 1.0% Line Fuse Broke Pole Wind Load Planned 1%
9) Circuit 5 year average SAIDI	118.54
10) Reporting year SAIDI	475.48
11) Circuit 5 year average SAIFI	1.15
12) Reporting year SAIFI	3.12
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	Nancy #3
2) Substation location (County-road-town)	Nancy
3) Circuit name and number	Naomi- 0301
4) Circuit location (town-road-general area)	Naomi area
5) Total Circuit Length (miles)	61.19
6) Customer count for this circuit	830
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 35% Lightning 2% Car Hit Pole SOURCE 18% Defective Equip Transformer 2% Customer Wiring Squirrel 4% Bird 1% Major Storm 27% Line Down 9% Transf Fuse Blown Line Fuse 1% Broke Pole Wind Load Planned 1%
9) Circuit 5 year average SAIDI	117.03
10) Reporting year SAIDI	85.42
11) Circuit 5 year average SAIFI	1.37
12) Reporting year SAIFI	1.48
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	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 3% Lightning Car Hit Pole SOURCE 68% Defective Equip Transformer Customer Wiring Squirrel 2% Bird 1% Major Storm 25% Line Down Transf Fuse Blown Line Fuse 1% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	148.28
10) Reporting year SAIDI	564.32
11) Circuit 5 year average SAIFI	1.92
12) Reporting year SAIFI	6
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)	2016
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees 32% Lightning 1% Car Hit Pole SOURCE 31% Defective Equip Transformer 1% Customer Wiring Squirrel Bird 1% Major Storm 11% Line Down 2% Transf Fuse Blown 1% Line Fuse 1% Broke Pole 18% Wind Load Planned 1%
9) Circuit 5 year average SAIDI	353.68
10) Reporting year SAIDI	943.83
11) Circuit 5 year average SAIFI	2.32
12) Reporting year SAIFI	3.95
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   | 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)   | 2016   |  |
| 8)  | List outage causes for circuit along with percentage of total outage numbers represented by each cause | Unknown Cause<br>Other Animal<br>Trees 14%<br>Lightning 1%<br>Car Hit Pole<br>SOURCE 22%<br>Defective Equip<br>Transformer<br>Customer Wiring<br>Squirrel<br>Bird 1%<br>Major Storm 53%<br>Line Down<br>Transf Fuse Blown 1%<br>Line Fuse 3%<br>Broke Pole 5%<br>Wind<br>Load<br>Planned |  |
| 9)  | Circuit 5 year average SAIDI   | 51.67  |  |
| 10) | Reporting year SAIDI   | 57.17  |  |
| 11) | Circuit 5 year average SAIFI   | 0.79   |  |
| 12) | Reporting year SAIFI   | 1.88   |  |
| 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	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	
	Other Animal	
	Trees	30%
	Lightning	19%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	49%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	1%
	Broke Pole	
	Wind	
	Load	
	Planned	1%
9) Circuit 5 year average SAIDI	341.34	
10) Reporting year SAIDI	332.86	
11) Circuit 5 year average SAIFI	3.6	
12) Reporting year SAIFI	4.32	
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 12% Lightning Car Hit Pole SOURCE Defective Equip 30% Transformer Customer Wiring Squirrel 3% Bird Major Storm 45% Line Down Transf Fuse Blown Line Fuse Broke Pole 8% Wind 2% Load Planned
9) Circuit 5 year average SAIDI	230.61
10) Reporting year SAIDI	165.18
11) Circuit 5 year average SAIFI	1.67
12) Reporting year SAIFI	1.7
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	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 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	70%              29% 1%
9)	Circuit 5 year average SAIDI	466.24	
10)	Reporting year SAIDI	697.93	
11)	Circuit 5 year average SAIFI	2.97	
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	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)	2011	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	89%
		Lightning	
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	7%
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	3%
		Broke Pole	
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	207.17	
10)	Reporting year SAIDI	172.51	
11)	Circuit 5 year average SAIFI	2.24	
12)	Reporting year SAIFI	3.56	
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	East Somerset #6	
2)	Substation location (County-road-town)	East Hwy 80	
3)	Circuit name and number	Tie to Nelson Valley- 0601	
4)	Circuit location (town-road-general area)	to Hwy 39	
5)	Total Circuit Length (miles)	2.13	
6)	Customer count for this circuit	16	
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	100%
9)	Circuit 5 year average SAIDI	22.43	
10)	Reporting year SAIDI	27.53	
11)	Circuit 5 year average SAIFI	0.54	
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	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	1%
	Other Animal	
	Trees	35%
	Lightning	1%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	45%
	Line Down	15%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	3%
9) Circuit 5 year average SAIDI	302.22	
10) Reporting year SAIDI	366.53	
11) Circuit 5 year average SAIFI	1.88	
12) Reporting year SAIFI	1.77	
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	Shopville #7
2) Substation location (County-road-town)	Shopville
3) Circuit name and number	Barnesburg- 0703
4) Circuit location (town-road-general area)	Barnesburg
5) Total Circuit Length (miles)	44.31
6) Customer count for this circuit	560
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 20% Lightning 38% Car Hit Pole SOURCE Defective Equip Transformer 2% Customer Wiring Squirrel Bird 1% Major Storm Line Down 13% Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned 26%
9) Circuit 5 year average SAIDI	41.82
10) Reporting year SAIDI	48.68
11) Circuit 5 year average SAIFI	0.51
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	Norwood #8	
2)	Substation location (County-road-town)	Norwood	
3)	Circuit name and number	N. Hwy 27- 0805	
4)	Circuit location (town-road-general area)	Somerset Hardwood	
5)	Total Circuit Length (miles)	15.3	
6)	Customer count for this circuit	40	
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	20%       80%
9)	Circuit 5 year average SAIDI	12.32	
10)	Reporting year SAIDI	9.88	
11)	Circuit 5 year average SAIFI	0.14	
12)	Reporting year SAIFI	0.22	
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	Floyd #9	
2)	Substation location (County-road-town)	Floyd area	
3)	Circuit name and number	S. 1247- 0902	
4)	Circuit location (town-road-general area)	S. Hwy 1247	
5)	Total Circuit Length (miles)	20.5	
6)	Customer count for this circuit	420	
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	Unknown Cause	
		Other Animal	
		Trees	9%
		Lightning	2%
		Car Hit Pole	14%
		SOURCE	68%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	2%
		Bird	
		Major Storm	2%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	2%
		Broke Pole	
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	135.72	
10)	Reporting year SAIDI	146.43	
11)	Circuit 5 year average SAIFI	1.33	
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	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)	2015
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees Lightning 2% Car Hit Pole SOURCE 41% Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm 55% Line Down Transf Fuse Blown 2% Line Fuse Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	15.03
10) Reporting year SAIDI	41.2
11) Circuit 5 year average SAIFI	0.33
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	North Albany #10	
2)	Substation location (County-road-town)	Albany	
3)	Circuit name and number	Burkesville- 1003	
4)	Circuit location (town-road-general area)	Burkesville Road	
5)	Total Circuit Length (miles)	23.79	
6)	Customer count for this circuit	329	
7)	Date of last circuit trim (VM)	2016	
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%           1% 37%  1% 60%
9)	Circuit 5 year average SAIDI	22.7	
10)	Reporting year SAIDI	31.34	
11)	Circuit 5 year average SAIFI	0.53	
12)	Reporting year SAIFI	0.24	
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	Adams Dock- 1101	
4)	Circuit location (town-road-general area)	Adams Dock Rd.	
5)	Total Circuit Length (miles)	48.79	
6)	Customer count for this circuit	947	
7)	Date of last circuit trim (VM)	2016	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	8%
		Other Animal	
		Trees	22%
		Lightning	2%
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	1%
		Bird	
		Major Storm	63%
		Line Down	1%
		Transf Fuse Blown	1%
		Line Fuse	1%
		Broke Pole	1%
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	117.19	
10)	Reporting year SAIDI	196.83	
11)	Circuit 5 year average SAIFI	1.93	
12)	Reporting year SAIFI	3.61	
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	Story Lane- 1201	
4)	Circuit location (town-road-general area)	N 127 to Story Lane	
5)	Total Circuit Length (miles)	21.69	
6)	Customer count for this circuit	207	
7)	Date of last circuit trim (VM)	2016	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	30%
		Lightning	1%
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	1%
		Major Storm	67%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	39.09	
10)	Reporting year SAIDI	46.53	
11)	Circuit 5 year average SAIFI	0.43	
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	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)	2015	
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	38%            1% 56%  1% 2% 2%
9)	Circuit 5 year average SAIDI	114.37	
10)	Reporting year SAIDI	304.65	
11)	Circuit 5 year average SAIFI	0.79	
12)	Reporting year SAIFI	0.7	
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)	2015	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	10%
		Other Animal	
		Trees	33%
		Lightning	
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	6%
		Line Down	50%
		Transf Fuse Blown	1%
		Line Fuse	
		Broke Pole	
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	85.75	
10)	Reporting year SAIDI	231.63	
11)	Circuit 5 year average SAIFI	0.55	
12)	Reporting year SAIFI	1.24	
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)	2015	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	7%
		Lightning	
		Car Hit Pole	6%
		SOURCE	
		Defective Equip	
		Transformer	1%
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	78%
		Line Down	
		Transf Fuse Blown	1%
		Line Fuse	5%
		Broke Pole	
		Wind	1%
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	205.46	
10)	Reporting year SAIDI	241.61	
11)	Circuit 5 year average SAIFI	1.61	
12)	Reporting year SAIFI	1.72	
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	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)	2016	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	24%
		Lightning	
		Car Hit Pole	
		SOURCE	10%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	1%
		Major Storm	64%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	1%
		Broke Pole	
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	104.23	
10)	Reporting year SAIDI	214.63	
11)	Circuit 5 year average SAIFI	1.8	
12)	Reporting year SAIFI	2.72	
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	Monticello #14	
2)	Substation location (County-road-town)	Monticello	
3)	Circuit name and number	Kelly Lane- 1402	
4)	Circuit location (town-road-general area)	Old Hwy 90 N	
5)	Total Circuit Length (miles)	31.6	
6)	Customer count for this circuit	401	
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	Unknown Cause	
		Other Animal	
		Trees	11%
		Lightning	
		Car Hit Pole	
		SOURCE	7%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	24%
		Line Down	4%
		Transf Fuse Blown	
		Line Fuse	40%
		Broke Pole	13%
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	236.3	
10)	Reporting year SAIDI	675.82	
11)	Circuit 5 year average SAIFI	1.91	
12)	Reporting year SAIFI	3.14	
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	Colonial Estates- 1403	
4)	Circuit location (town-road-general area)	Old Hwy 90 near town	
5)	Total Circuit Length (miles)	4.39	
6)	Customer count for this circuit	108	
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	95%          2%          3%
9)	Circuit 5 year average SAIDI	44.49	
10)	Reporting year SAIDI	65.09	
11)	Circuit 5 year average SAIFI	1.09	
12)	Reporting year SAIFI	2.14	
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	1%
	Other Animal	
	Trees	18%
	Lightning	
	Car Hit Pole	
	SOURCE	3%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	65%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	13%
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	458.07	
10) Reporting year SAIDI	677.57	
11) Circuit 5 year average SAIFI	4.25	
12) Reporting year SAIFI	5.11	
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	Bronston #15	
2) Substation location (County-road-town)	Bronston	
3) Circuit name and number	Twin Rivers- 1502	
4) Circuit location (town-road-general area)	Hwy 790 N	
5) Total Circuit Length (miles)	27.05	
6) Customer count for this circuit	773	
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	22%
	Lightning	
	Car Hit Pole	50%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	1%
	Bird	
	Major Storm	27%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	90.67	
10) Reporting year SAIDI	196.79	
11) Circuit 5 year average SAIFI	1.19	
12) Reporting year SAIFI	2.35	
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	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	
		Other Animal	
		Trees	30%
		Lightning	1%
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	64%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	5%
		Broke Pole	
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	127.68	
10)	Reporting year SAIDI	171.15	
11)	Circuit 5 year average SAIFI	1.53	
12)	Reporting year SAIFI	2.89	
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	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	1%
	Other Animal	
	Trees	26%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	1%
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	70%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	2%
9) Circuit 5 year average SAIDI	288.85	
10) Reporting year SAIDI	309	
11) Circuit 5 year average SAIFI	2.74	
12) Reporting year SAIFI	4.96	
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	10%
		Other Animal	
		Trees	67%
		Lightning	
		Car Hit Pole	
		SOURCE	
		Defective Equip	
		Transformer	2%
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	14%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	4%
		Broke Pole	2%
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	174.65	
10)	Reporting year SAIDI	259.69	
11)	Circuit 5 year average SAIFI	1.87	
12)	Reporting year SAIFI	2.3	
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	Mt. Victory #16	
2)	Substation location (County-road-town)	Mt. Victory	
3)	Circuit name and number	Hwy 192	
4)	Circuit location (town-road-general area)	Hwy 192	
5)	Total Circuit Length (miles)	66.44	
6)	Customer count for this circuit	614	
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	68%
		Lightning	1%
		Car Hit Pole	
		SOURCE	2%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	25%
		Line Down	1%
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	2%
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	571.8	
10)	Reporting year SAIDI	1388.56	
11)	Circuit 5 year average SAIFI	3.48	
12)	Reporting year SAIFI	3.41	
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	
	Other Animal	
	Trees	7%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	1%
	Transformer	
	Customer Wiring	
	Squirrel	1%
	Bird	
	Major Storm	75%
	Line Down	1%
	Transf Fuse Blown	
	Line Fuse	2%
	Broke Pole	
	Wind	
	Load	
	Planned	13%
9) Circuit 5 year average SAIDI	394.21	
10) Reporting year SAIDI	488.23	
11) Circuit 5 year average SAIFI	2.91	
12) Reporting year SAIFI	1.96	
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	N. Hwy 27- 1703	
4)	Circuit location (town-road-general area)	N 27 to Sandhill	
5)	Total Circuit Length (miles)	4.62	
6)	Customer count for this circuit	87	
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	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	34.7	
10)	Reporting year SAIDI	73.47	
11)	Circuit 5 year average SAIFI	0.48	
12)	Reporting year SAIFI	0.93	
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	Pine Knot- 1704	
4)	Circuit location (town-road-general area)	S 27 from WC	
5)	Total Circuit Length (miles)	11.99	
6)	Customer count for this circuit	307	
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	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	83%             8%  1% 6%       2%
9)	Circuit 5 year average SAIDI	221.48	
10)	Reporting year SAIDI	803.61	
11)	Circuit 5 year average SAIFI	1.11	
12)	Reporting year SAIFI	1.14	
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	East 92- 1802	
4) Circuit location (town-road-general area)	E Hwy 92	
5) Total Circuit Length (miles)	15.7	
6) Customer count for this circuit	250	
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	Unknown Cause	
	Other Animal	
	Trees	49%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	10%
	Bird	2%
	Major Storm	37%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	2%
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	72.2	
10) Reporting year SAIDI	118.33	
11) Circuit 5 year average SAIFI	1.14	
12) Reporting year SAIFI	1.61	
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	Strunk- 1804	
4)	Circuit location (town-road-general area)	Strunk	
5)	Total Circuit Length (miles)	86.14	
6)	Customer count for this circuit	1563	
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	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% 2%  2% 1%  1% 69% 1%  2% 9%  4%
9)	Circuit 5 year average SAIDI	138.48	
10)	Reporting year SAIDI	135.83	
11)	Circuit 5 year average SAIFI	1.78	
12)	Reporting year SAIFI	2.13	
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 2% Lightning Car Hit Pole SOURCE 19% Defective Equip 3% Transformer Customer Wiring Squirrel 1% Bird 2% Major Storm 4% Line Down Transf Fuse Blown 1% Line Fuse 1% Broke Pole 62% Wind 2% Load Planned 3%
9)	Circuit 5 year average SAIDI	100.11
10)	Reporting year SAIDI	160.13
11)	Circuit 5 year average SAIFI	1.42
12)	Reporting year SAIFI	1.61
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	To Oak Valley- 1903	
4) Circuit location (town-road-general area)	Oak Hill Road	
5) Total Circuit Length (miles)	1.71	
6) Customer count for this circuit	10	
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	100%
9) Circuit 5 year average SAIDI	31.69	
10) Reporting year SAIDI	50.68	
11) Circuit 5 year average SAIFI	0.92	
12) Reporting year SAIFI	1.7	
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	To Golden Hts- 1904	
4)	Circuit location (town-road-general area)	Oak Hill Road	
5)	Total Circuit Length (miles)	21.58	
6)	Customer count for this circuit	786	
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	1%
		Car Hit Pole	
		SOURCE	90%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	1%
		Bird	1%
		Major Storm	3%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	1%
		Broke Pole	
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	76.88	
10)	Reporting year SAIDI	202.32	
11)	Circuit 5 year average SAIFI	0.87	
12)	Reporting year SAIFI	1.91	
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)	2011	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	17%
		Lightning	
		Car Hit Pole	36%
		SOURCE	
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	1%
		Bird	1%
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	44%
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	97.94	
10)	Reporting year SAIDI	171.17	
11)	Circuit 5 year average SAIFI	0.93	
12)	Reporting year SAIFI	2.45	
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	Salem #22	
2)	Substation location (County-road-town)	Salem	
3)	Circuit name and number	To Hwy 80- 2205	
4)	Circuit location (town-road-general area)	W. Hwy 80	
5)	Total Circuit Length (miles)	22.64	
6)	Customer count for this circuit	409	
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	96%
		Lightning	2%
		Car Hit Pole	
		SOURCE	1%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	262.25	
10)	Reporting year SAIDI	832.07	
11)	Circuit 5 year average SAIFI	3.87	
12)	Reporting year SAIFI	1.81	
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	Cabin Hollow #23	
2)	Substation location (County-road-town)	Cabin Hollow area	
3)	Circuit name and number	To E Hwy 914-2301	
4)	Circuit location (town-road-general area)	To Maplewood	
5)	Total Circuit Length (miles)	16.02	
6)	Customer count for this circuit	335	
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	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	94%          1%      1% 2% 1%    1%
9)	Circuit 5 year average SAIDI	56.11	
10)	Reporting year SAIDI	91.18	
11)	Circuit 5 year average SAIFI	0.82	
12)	Reporting year SAIFI	2.27	
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	South Floyd #24	
2)	Substation location (County-road-town)	Northern Pulaski Co	
3)	Circuit name and number	To Bull Road- 2402	
4)	Circuit location (town-road-general area)	Bull Road	
5)	Total Circuit Length (miles)	27.44	
6)	Customer count for this circuit	321	
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	Unknown Cause	2%
		Other Animal	
		Trees	60%
		Lightning	8%
		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	30%
9)	Circuit 5 year average SAIDI	131.29	
10)	Reporting year SAIDI	180.06	
11)	Circuit 5 year average SAIFI	1.3	
12)	Reporting year SAIFI	2.09	
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	South Floyd #24	
2)	Substation location (County-road-town)	Northern Pulaski Co	
3)	Circuit name and number	To Circleville- 2403	
4)	Circuit location (town-road-general area)	Circleville	
5)	Total Circuit Length (miles)	17.79	
6)	Customer count for this circuit	508	
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	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	39%          1%    10%  1% 18%   32%
9)	Circuit 5 year average SAIDI	35.42	
10)	Reporting year SAIDI	54.63	
11)	Circuit 5 year average SAIFI	0.65	
12)	Reporting year SAIFI	2.14	
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)	2015	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
	Other Animal	
	Trees	11%
	Lightning	13%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	1%
	Bird	
	Major Storm	52%
	Line Down	23%
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	50.35	
10) Reporting year SAIDI	61.59	
11) Circuit 5 year average SAIFI	0.96	
12) Reporting year SAIFI	1.27	
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	South Floyd #24	
2) Substation location (County-road-town)	Northern Pulaski Co	
3) Circuit name and number	To Buncombe- 2405	
4) Circuit location (town-road-general area)	Buncombe	
5) Total Circuit Length (miles)	44.46	
6) Customer count for this circuit	529	
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	6%
	Lightning	3%
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	1%
	Major Storm	28%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	60%
	Wind	
	Load	
	Planned	2%
9) Circuit 5 year average SAIDI	75.04	
10) Reporting year SAIDI	183.64	
11) Circuit 5 year average SAIFI	0.91	
12) Reporting year SAIFI	1.13	
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	To Prather Road- 2503	
4)	Circuit location (town-road-general area)	Prather Road area	
5)	Total Circuit Length (miles)	42.84	
6)	Customer count for this circuit	799	
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	Unknown Cause	1%
		Other Animal	
		Trees	26%
		Lightning	2%
		Car Hit Pole	3%
		SOURCE	
		Defective Equip	58%
		Transformer	
		Customer Wiring	
		Squirrel	4%
		Bird	1%
		Major Storm	
		Line Down	
		Transf Fuse Blown	
		Line Fuse	4%
		Broke Pole	
		Wind	
		Load	
		Planned	1%
9)	Circuit 5 year average SAIDI	158.28	
10)	Reporting year SAIDI	220.94	
11)	Circuit 5 year average SAIFI	1.74	
12)	Reporting year SAIFI	1.7	
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	To Heartland Plantation- 2504
4) Circuit location (town-road-general area)	Ferry Road
5) Total Circuit Length (miles)	7.34
6) Customer count for this circuit	264
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	Unknown Cause Other Animal Trees Lightning Car Hit Pole 99% SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned 1%
9) Circuit 5 year average SAIDI	93.28
10) Reporting year SAIDI	230.34
11) Circuit 5 year average SAIFI	0.78
12) Reporting year SAIFI	0.99
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	To Lakewood Haven- 2505
4) Circuit location (town-road-general area)	Ferry/Winding Ridge
5) Total Circuit Length (miles)	7.05
6) Customer count for this circuit	367
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	Unknown Cause Other Animal Trees 3% Lightning Car Hit Pole 88% SOURCE Defective Equip Transformer Customer Wiring Squirrel 1% Bird Major Storm 7% Line Down Transf Fuse Blown Line Fuse 1% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	101.15
10) Reporting year SAIDI	276.47
11) Circuit 5 year average SAIFI	0.85
12) Reporting year SAIFI	1.18
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	Slat #27	
2)	Substation location (County-road-town)	West of Monticello	
3)	Circuit name and number	Parnell- 2702	
4)	Circuit location (town-road-general area)	Parnell	
5)	Total Circuit Length (miles)	101.86	
6)	Customer count for this circuit	1503	
7)	Date of last circuit trim (VM)	2016	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	38%
		Lightning	1%
		Car Hit Pole	
		SOURCE	8%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	37%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	1%
		Broke Pole	15%
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	267.9	
10)	Reporting year SAIDI	425.6	
11)	Circuit 5 year average SAIFI	2.82	
12)	Reporting year SAIFI	5.89	
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	Slat #27	
2) Substation location (County-road-town)	West of Monticello	
3) Circuit name and number	Coffey Mtn- 2703	
4) Circuit location (town-road-general area)	Coffey Mtn	
5) Total Circuit Length (miles)	158.09	
6) Customer count for this circuit	551	
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	Unknown Cause	22%
	Other Animal	
	Trees	18%
	Lightning	1%
	Car Hit Pole	
	SOURCE	7%
	Defective Equip	
	Transformer	3%
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	48%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	1%
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	359.92	
10) Reporting year SAIDI	363.73	
11) Circuit 5 year average SAIFI	2.71	
12) Reporting year SAIFI	2.61	
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	Slat #27	
2)	Substation location (County-road-town)	West of Monticello	
3)	Circuit name and number	Ind Park- 2704	
4)	Circuit location (town-road-general area)	W 90 from Slat	
5)	Total Circuit Length (miles)	52.44	
6)	Customer count for this circuit	569	
7)	Date of last circuit trim (VM)	2016	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	58%
		Lightning	
		Car Hit Pole	
		SOURCE	18%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	23%
		Line Down	
		Transf Fuse Blown	1%
		Line Fuse	
		Broke Pole	
		Wind	
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	200.08	
10)	Reporting year SAIDI	197.08	
11)	Circuit 5 year average SAIFI	2.05	
12)	Reporting year SAIFI	2.25	
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	E. Bethel Road- 2803	
4)	Circuit location (town-road-general area)	East Bethel Road	
5)	Total Circuit Length (miles)	13.33	
6)	Customer count for this circuit	324	
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	45%         4% 1% 44%   3%    3%
9)	Circuit 5 year average SAIDI	130.18	
10)	Reporting year SAIDI	153	
11)	Circuit 5 year average SAIFI	1.29	
12)	Reporting year SAIFI	0.82	
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<br>Other Animal<br>Trees <span style="float: right;">40%</span><br>Lightning<br>Car Hit Pole <span style="float: right;">3%</span><br>SOURCE<br>Defective Equip<br>Transformer<br>Customer Wiring<br>Squirrel<br>Bird<br>Major Storm <span style="float: right;">43%</span><br>Line Down<br>Transf Fuse Blown<br>Line Fuse <span style="float: right;">2%</span><br>Broke Pole<br>Wind<br>Load<br>Planned <span style="float: right;">12%</span> |  |
| 9)  | Circuit 5 year average SAIDI   | 234.53   |  |
| 10) | Reporting year SAIDI   | 131.7  |  |
| 11) | Circuit 5 year average SAIFI   | 1.54   |  |
| 12) | Reporting year SAIFI   | 2.16   |  |
| 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         |     |
|   | Other Animal          |     |
|   | Trees                 | 56% |
|   | Lightning             | 3%  |
|   | Car Hit Pole          |     |
|   | SOURCE                |     |
|   | Defective Equip       |     |
|   | Transformer           |     |
|   | Customer Wiring       |     |
|   | Squirrel              | 3%  |
|   | Bird                  |     |
|   | Major Storm           | 10% |
|   | Line Down             | 2%  |
|   | Transf Fuse Blown     |     |
|   | Line Fuse             |     |
|   | Broke Pole            | 26% |
|   | Wind                  |     |
|   | Load                  |     |
|   | Planned               |     |
| 9) Circuit 5 year average SAIDI   | 130.15                |     |
| 10) Reporting year SAIDI  | 180.47                |     |
| 11) Circuit 5 year average SAIFI  | 0.89                  |     |
| 12) Reporting year SAIFI  | 0.84                  |     |
| 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	Wiborg #31	
2)	Substation location (County-road-town)	Wiborg area	
3)	Circuit name and number	Flatrock- 3101	
4)	Circuit location (town-road-general area)	S 27 toward Flatrock	
5)	Total Circuit Length (miles)	53.01	
6)	Customer count for this circuit	988	
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	80% 2%
9)	Circuit 5 year average SAIDI	721.49	
10)	Reporting year SAIDI	2388.23	
11)	Circuit 5 year average SAIFI	3.95	
12)	Reporting year SAIFI	3.84	
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	Wiborg #31	
2) Substation location (County-road-town)	Wiborg area	
3) Circuit name and number	Greenwood- 3103	
4) Circuit location (town-road-general area)	N Hwy 27	
5) Total Circuit Length (miles)	114.69	
6) Customer count for this circuit	1781	
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	14%
	Other Animal	
	Trees	35%
	Lightning	1%
	Car Hit Pole	
	SOURCE	
	Defective Equip	1%
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	45%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	4%
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	804.14	
10) Reporting year SAIDI	1127.53	
11) Circuit 5 year average SAIFI	5.26	
12) Reporting year SAIFI	6.27	
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	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)	2016
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 SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm 53% Line Down 4% Transf Fuse Blown Line Fuse 3% Broke Pole Wind Load 12% Planned
9) Circuit 5 year average SAIDI	349.31
10) Reporting year SAIDI	336.5
11) Circuit 5 year average SAIFI	3.07
12) Reporting year SAIFI	3.31
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	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	2%
	Other Animal	
	Trees	9%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	86%
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	3%
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	44.84	
10) Reporting year SAIDI	105.91	
11) Circuit 5 year average SAIFI	0.53	
12) Reporting year SAIFI	0.88	
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	N to Nancy- 3303
4) Circuit location (town-road-general area)	N Hwy 235
5) Total Circuit Length (miles)	33.45
6) Customer count for this circuit	578
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 SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird 4% Major Storm 1% Line Down 10% Transf Fuse Blown Line Fuse Broke Pole 83% Wind Load Planned
9) Circuit 5 year average SAIDI	57.99
10) Reporting year SAIDI	74.96
11) Circuit 5 year average SAIFI	0.62
12) Reporting year SAIFI	0.26
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	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	5%
	Other Animal	
	Trees	27%
	Lightning	2%
	Car Hit Pole	30%
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	3%
	Bird	
	Major Storm	32%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	1%
9) Circuit 5 year average SAIDI	249.35	
10) Reporting year SAIDI	334.56	
11) Circuit 5 year average SAIFI	2.03	
12) Reporting year SAIFI	2.93	
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	Gap of the Ridge #34
2) Substation location (County-road-town)	Gap on Hwy 90
3) Circuit name and number	Conley Bottom- 3402
4) Circuit location (town-road-general area)	To Conley Bottom
5) Total Circuit Length (miles)	39.97
6) Customer count for this circuit	878
7) Date of last circuit trim (VM)	2016
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees 16% Lightning Car Hit Pole SOURCE 3% Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm 75% Line Down Transf Fuse Blown 1% Line Fuse Broke Pole 2% Wind Load Planned 3%
9) Circuit 5 year average SAIDI	251.36
10) Reporting year SAIDI	301.96
11) Circuit 5 year average SAIFI	3.05
12) Reporting year SAIFI	3.35
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	Gap of the Ridge #34	
2) Substation location (County-road-town)	Gap on Hwy 90	
3) Circuit name and number	Steubenville- 3403	
4) Circuit location (town-road-general area)	Steubenville	
5) Total Circuit Length (miles)	19.63	
6) Customer count for this circuit	427	
7) Date of last circuit trim (VM)	2016	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	1%
	Other Animal	
	Trees	77%
	Lightning	
	Car Hit Pole	
	SOURCE	21%
	Defective Equip	
	Transformer	1%
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	83.48	
10) Reporting year SAIDI	160.94	
11) Circuit 5 year average SAIFI	1.22	
12) Reporting year SAIFI	2.14	
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	Gap of the Ridge #34	
2) Substation location (County-road-town)	Gap on Hwy 90	
3) Circuit name and number	Betsy- 3405	
4) Circuit location (town-road-general area)	N Hwy 90	
5) Total Circuit Length (miles)	49.17	
6) Customer count for this circuit	841	
7) Date of last circuit trim (VM)	2016	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	1%
	Other Animal	
	Trees	56%
	Lightning	2%
	Car Hit Pole	
	SOURCE	8%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	1%
	Bird	
	Major Storm	20%
	Line Down	6%
	Transf Fuse Blown	
	Line Fuse	5%
	Broke Pole	
	Wind	
	Load	
	Planned	1%
9) Circuit 5 year average SAIDI	196.6	
10) Reporting year SAIDI	332.25	
11) Circuit 5 year average SAIFI	2.25	
12) Reporting year SAIFI	2.28	
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	Upchurch #35
2) Substation location (County-road-town)	Upchurch area
3) Circuit name and number	Clinton Co Ind Park- 3502
4) Circuit location (town-road-general area)	CC Ind Pk
5) Total Circuit Length (miles)	57.67
6) Customer count for this circuit	857
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	Unknown Cause Other Animal Trees 68% Lightning Car Hit Pole SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird 20% Major Storm 8% Line Down 2% Transf Fuse Blown Line Fuse 2% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	110.02
10) Reporting year SAIDI	377.37
11) Circuit 5 year average SAIFI	1.06
12) Reporting year SAIFI	2.2
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	Upchurch #35
2) Substation location (County-road-town)	Upchurch area
3) Circuit name and number	Mt. View Park- 3503
4) Circuit location (town-road-general area)	Mt. View Park area
5) Total Circuit Length (miles)	26.11
6) Customer count for this circuit	344
7) Date of last circuit trim (VM)	2016
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees 30% Lightning Car Hit Pole 20% SOURCE Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm 50% Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	74.33
10) Reporting year SAIDI	168.38
11) Circuit 5 year average SAIFI	1.55
12) Reporting year SAIFI	2.05
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	Decatur- 3601	
4) Circuit location (town-road-general area)	N 127	
5) Total Circuit Length (miles)	24.96	
6) Customer count for this circuit	284	
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	36%
	Lightning	
	Car Hit Pole	
	SOURCE	
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	60%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	4%
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	100.97	
10) Reporting year SAIDI	150.19	
11) Circuit 5 year average SAIFI	0.69	
12) Reporting year SAIFI	0.57	
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	Webbs X-rds #36
2) Substation location (County-road-town)	Webbs X-rds area
3) Circuit name and number	E Hwy 76- 3602
4) Circuit location (town-road-general area)	Hwy 76
5) Total Circuit Length (miles)	20.94
6) Customer count for this circuit	318
7) Date of last circuit trim (VM)	2016
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 5% Bird Major Storm 40% Line Down Transf Fuse Blown Line Fuse 1% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	178.93
10) Reporting year SAIDI	170.12
11) Circuit 5 year average SAIFI	1.68
12) Reporting year SAIFI	2.49
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)	2015
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees 86% Lightning Car Hit Pole SOURCE 10% Defective Equip Transformer Customer Wiring Squirrel Bird 1% Major Storm 2% Line Down Transf Fuse Blown Line Fuse 1% Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	154.35
10) Reporting year SAIDI	665.19
11) Circuit 5 year average SAIFI	2.37
12) Reporting year SAIFI	9.26
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	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 25% Lightning Car Hit Pole SOURCE 70% Defective Equip Transformer 1% Customer Wiring Squirrel Bird Major Storm 4% Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	106.16
10) Reporting year SAIDI	287.46
11) Circuit 5 year average SAIFI	0.8
12) Reporting year SAIFI	2.56
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	Homestead #38	
2) Substation location (County-road-town)	Monticello City	
3) Circuit name and number	Michigan Ave- 3802	
4) Circuit location (town-road-general area)	East of town	
5) Total Circuit Length (miles)	15.35	
6) Customer count for this circuit	832	
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	12%
	Other Animal	
	Trees	3%
	Lightning	
	Car Hit Pole	
	SOURCE	28%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	38%
	Line Down	2%
	Transf Fuse Blown	
	Line Fuse	4%
	Broke Pole	
	Wind	
	Load	12%
	Planned	1%
9) Circuit 5 year average SAIDI	364.81	
10) Reporting year SAIDI	372.22	
11) Circuit 5 year average SAIFI	4.03	
12) Reporting year SAIFI	3.92	
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	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)	2016
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause Other Animal Trees 8% Lightning Car Hit Pole SOURCE 80% Defective Equip Transformer Customer Wiring Squirrel Bird 1% Major Storm 11% Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned
9) Circuit 5 year average SAIDI	71.61
10) Reporting year SAIDI	264.46
11) Circuit 5 year average SAIFI	1.15
12) Reporting year SAIFI	3.04
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	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)	2016
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 82% Defective Equip Transformer Customer Wiring Squirrel Bird Major Storm 6% Line Down Transf Fuse Blown Line Fuse Broke Pole Wind Load Planned 2%
9) Circuit 5 year average SAIDI	118.91
10) Reporting year SAIDI	223
11) Circuit 5 year average SAIFI	1.99
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	Homestead #38	
2) Substation location (County-road-town)	Monticello City	
3) Circuit name and number	Columbia Ave- 3805	
4) Circuit location (town-road-general area)	Columbia Ave	
5) Total Circuit Length (miles)	17.91	
6) Customer count for this circuit	1195	
7) Date of last circuit trim (VM)	2016	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
	Other Animal	
	Trees	20%
	Lightning	
	Car Hit Pole	3%
	SOURCE	70%
	Defective Equip	
	Transformer	1%
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	3%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	3%
9) Circuit 5 year average SAIDI	322.55	
10) Reporting year SAIDI	323.84	
11) Circuit 5 year average SAIFI	5.44	
12) Reporting year SAIFI	4.59	
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)	2014	
8)	List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
		Other Animal	
		Trees	37%
		Lightning	1%
		Car Hit Pole	
		SOURCE	3%
		Defective Equip	
		Transformer	
		Customer Wiring	
		Squirrel	
		Bird	
		Major Storm	55%
		Line Down	
		Transf Fuse Blown	
		Line Fuse	
		Broke Pole	1%
		Wind	3%
		Load	
		Planned	
9)	Circuit 5 year average SAIDI	153.98	
10)	Reporting year SAIDI	246.25	
11)	Circuit 5 year average SAIFI	1.81	
12)	Reporting year SAIFI	3.29	
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	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)	2014	
8) List outage causes for circuit along with percentage of total outage numbers represented by each cause	Unknown Cause	
	Other Animal	
	Trees	30%
	Lightning	
	Car Hit Pole	
	SOURCE	1%
	Defective Equip	
	Transformer	
	Customer Wiring	
	Squirrel	
	Bird	
	Major Storm	69%
	Line Down	
	Transf Fuse Blown	
	Line Fuse	
	Broke Pole	
	Wind	
	Load	
	Planned	
9) Circuit 5 year average SAIDI	279.92	
10) Reporting year SAIDI	556.07	
11) Circuit 5 year average SAIFI	2.06	
12) Reporting year SAIFI	2.47	
13) List of correction action, if any, taken or to be taken		