



Farmers Rural Electric Cooperative Corporation

504 S. Broadway, Glasgow, KY 42141 • P.O. Box 1298, Glasgow, KY 42142 • (270) 651-2191 • Fax (270) 651-7332

April 15, 2021

Ms. Linda Bridwell  
Executive Director  
Kentucky Public Service Commission  
P O Box 615  
211 Sower Blvd.  
Frankfort, KY 40602-0615

RECEIVED

APR 16 2021

PUBLIC SERVICE  
COMMISSION

Dear Ms. Bridwell:

Please find an original paper copy and an electronic version of Farmers Rural Electric's 2020 Distribution Reliability Report pursuant to the May 30, 2013 Order and the April 1, 2014 Order pertaining to Administrative Case No. 2011-00450.

If there are any questions or any further information needed Please contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Tony Wells'.

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VP Member and Corporate Services  
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A Touchstone Energy™ Cooperative The logo for Touchstone Energy, featuring a stylized figure holding a torch or similar symbol.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

### SECTION 1: CONTACT INFORMATION

UTILITY NAME	Farners Rural Electric Cooperative
REPORT PREPARED BY	Tony Wells
E-MAIL ADDRESS OF PREPARER	twells@farmersrecc.com
PHONE NUMBER OF PREPARER	270-651-2191 Ext 8200

### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2020
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### SECTION 3: MAJOR EVENT DAYS

$T_{MED}$	10.17
FIRST DATE USED TO DETERMINE $T_{MED}$	1/1/2015
LAST DATE USED TO DETERMINE $T_{MED}$	12/31/2019
NUMBER OF MED IN REPORT YEAR	1

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

### SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

#### System-wide Information

TOTAL CUSTOMERS	24638	TOTAL CIRCUITS	68
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#### Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	126.1	SAIDI	90.15
SAIFI	1.407	SAIFI	1.128

#### Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	155.51	SAIDI	127.58
SAIFI	1.53	SAIFI	1.283

#### 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

## Electric Distribution Utility Annual Reliability Report

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### SECTION 5: CIRCUIT REPORTING

(CIRCUIT WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

#### **CIRCUIT #1**

**1. SUBSTATION NAME AND NUMBER**

Munfordville (2)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Hart Co., Hwy 357, Munfordville, KY

**3. CIRCUIT NAME AND NUMBER**

Priceville (3)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Munfordville - Raider Hollow Rd - Northwest of Munfordville

**5. TOTAL CIRCUIT MILES (MILES)**

84.3

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

669

**7. DATE OF LAST CIRCUIT TRIM (VM)**

2015

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE  
NUMBERS REPRESENTED BY EACH CAUSE**

Off R/W	50.81%
Planned	25.13%
Unknown	10.03%
Weather	7.19%
Equipment Failure	5.54%
Animals	0.73%
On R/W	0.55%
Public	0.02%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

126.94

**10. REPORTING YEAR (SAIDI)**

316.81

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.96

**12. REPORTING YEAR (SAIFI)**

2.58

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. Planned outages and one off R/W tree was majority of outages.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #2

1. **SUBSTATION NAME AND NUMBER**  
Knob Lick (4)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**  
Metcalfe County - Hwy 70 - Knob Lick
3. **CIRCUIT NAME AND NUMBER**  
Sulphur Well(1)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**  
Knob Lick to Sulphur Well - Hwy 70
5. **TOTAL CIRCUIT MILES (MILES)**  
98.3
6. **CUSTOMER COUNT FOR THIS CIRCUIT**  
806
7. **DATE OF LAST CIRCUIT TRIM (VM)**  
2019
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Weather	45.83%
Off R/W	17.70%
On R/W	13.95%
Planned	12.17%
Equipment Failure	8.75%
Unknown	1.17%
Animals	0.44%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**  
200.45
10. **REPORTING YEAR (SAIDI)**  
172.05
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**  
1.82
12. **REPORTING YEAR (SAIFI)**  
2.60
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**  
None taken or to be taken. Planned outages and construction projects still underway.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #3

**1. SUBSTATION NAME AND NUMBER**

Beckton (5)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Barren County - Hwy 1297 - Beckton

**3. CIRCUIT NAME AND NUMBER**

Rocky Hill - Barren River State Park (2)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Beckton, Rocky Hill, Finney - Hwy 252, Beckton-Rocky Hill Rd - Barren River State Pk

**5. TOTAL CIRCUIT MILES (MILES)**

109.2

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

1269

**7. DATE OF LAST CIRCUIT TRIM (VM)**

2016

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Weather	73.94%
Unknown	8.74%
Off R/W	7.43%
On R/W	5.32%
Public	1.53%
Equipment Failure	1.46%
Planned	1.24%
Animals	0.33%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

173.72

**10. REPORTING YEAR (SAIDI)**

154.43

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

2.05

**12. REPORTING YEAR (SAIFI)**

2.09

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. One outage broke criteria and was 70% of outage time

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #4

**1. SUBSTATION NAME AND NUMBER**

Beckton (5)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Barren County - Hwy 1297 - Beckton

**3. CIRCUIT NAME AND NUMBER**

Bon Ayr (4)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Beckton Rd towards hwy 68-80

**5. TOTAL CIRCUIT MILES (MILES)**

10.99

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

115

**7. DATE OF LAST CIRCUIT TRIM (VM)**

2020

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Weather	93.94%
Unknown	4.39%
Public	0.86%
Planned	0.81%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

76.89

**10. REPORTING YEAR (SAIDI)**

166.30

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.57

**12. REPORTING YEAR (SAIFI)**

0.65

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. One outage is the majority of the time.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #5

**1. SUBSTATION NAME AND NUMBER**

Cave City (6)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Barren County - Hwy 90 - Cave City

**3. CIRCUIT NAME AND NUMBER**

Mammoth Cave (1)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Cave City, Hwy 70/90, Cave City to Mammoth Cave

**5. TOTAL CIRCUIT MILES (MILES)**

33.11

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

488

**7. DATE OF LAST CIRCUIT TRIM (VM)**

2011

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Unknown	38.70%
Equipment Failure	25.15%
On R/W	12.46%
Planned	8.83%
Off R/W	8.28%
Public	5.65%
Weather	0.56%
Animals	0.4%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

59.92

**10. REPORTING YEAR (SAIDI)**

117.19

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.28

**12. REPORTING YEAR (SAIFI)**

1.45

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

60% of outage time was one device that serves a campground with R/W issues and they have been addressed.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #6

**1. SUBSTATION NAME AND NUMBER**

Cave City (6)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Barren County - Hwy 90 - Cave City

**3. CIRCUIT NAME AND NUMBER**

Bear Wallow (3)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Cave City, Bear Wallow, Horse Cave - Hwy 70, Old Lexington Rd

**5. TOTAL CIRCUIT MILES (MILES)**

31.9

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

427

**7. DATE OF LAST CIRCUIT TRIM (VM)**

2014

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Equipment Failure	78.70%
Animals	10.53%
Planned	6.03%
Off R/W	2.88%
Unknown	1.87%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

95.69

**10. REPORTING YEAR (SAIDI)**

87.65

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.84

**12. REPORTING YEAR (SAIFI)**

1.27

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. 1 outage accounted for 62% of time.



# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #7

**1. SUBSTATION NAME AND NUMBER**

Cave City (6)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Barren County - Hwy 90 - Cave City

**3. CIRCUIT NAME AND NUMBER**

Goodnight (4)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Goodnight, Whitney Woods areas

**5. TOTAL CIRCUIT MILES (MILES)**

9.0

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

88

**7. DATE OF LAST CIRCUIT TRIM (VM)**

Before 2009

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Animals	45.95%
Weather	31.31%
Equipment Failure	19.96%
Planned	1.85%
On R/W	0.9%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

100.67

**10. REPORTING YEAR (SAIDI)**

106.47

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

1.27

**12. REPORTING YEAR (SAIFI)**

1.63

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. One circuit level outage was 46% of outage time.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #8

1. **SUBSTATION NAME AND NUMBER**  
Galloway (8)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**  
Metcalfe County - Hwy 68-80 - Edmonton, KY
3. **CIRCUIT NAME AND NUMBER**  
Old Hwy 68-80 (3)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**  
Edmonton, KY - Old Hwy 68-80
5. **TOTAL CIRCUIT MILES (MILES)**  
0.93
6. **CUSTOMER COUNT FOR THIS CIRCUIT**  
19
7. **DATE OF LAST CIRCUIT TRIM (VM)**  
2019
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**  
Power Supply 100.0%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**  
10.25
10. **REPORTING YEAR (SAIDI)**  
56.47
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**  
0.15
12. **REPORTING YEAR (SAIFI)**  
0.94
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**  
None taken or to be taken. One outage.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #9

1. **SUBSTATION NAME AND NUMBER**  
West Glasgow (10)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**  
Barren County, Donnelly Drive, Glasgow
3. **CIRCUIT NAME AND NUMBER**  
(1) Bowling Green Rd
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**  
Glasgow - Bowling Green Rd (hwy 68-80) and Oil City Rd - West of Glasgow
5. **TOTAL CIRCUIT MILES (MILES)**  
31.4
6. **CUSTOMER COUNT FOR THIS CIRCUIT**  
364
7. **DATE OF LAST CIRCUIT TRIM (VM)**  
Before 2009
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Off R/W	37.3%
Public	23.7%
On R/W	19.8%
Unknown	8.8%
Equipment Failure	4.7%
Planned	3.7%
Weather	2.0%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**  
68.10
10. **REPORTING YEAR (SAIDI)**  
113.34
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**  
0.7
12. **REPORTING YEAR (SAIFI)**  
1.24
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**  
None taken or to be taken. 61% of outages were not preventable.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #10

1. **SUBSTATION NAME AND NUMBER**  
Seymour (11)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**  
Hart County - Hwy 218 - Horse Cave, KY
3. **CIRCUIT NAME AND NUMBER**  
Uno (2)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**  
Uno, KY - Hwy 31E - Uno, Bunnell Crossing
5. **TOTAL CIRCUIT MILES (MILES)**  
118.6
6. **CUSTOMER COUNT FOR THIS CIRCUIT**  
904
7. **DATE OF LAST CIRCUIT TRIM (VM)**  
2012
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Equipment Failure	80.8%
Unknown	8.9%
On R/W	6.0%
Weather	2.1%
Planned	1.4%
Animals	0.6%
Off R/W	0.3%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**  
139.50
10. **REPORTING YEAR (SAIDI)**  
205.60
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**  
1.24
12. **REPORTING YEAR (SAIFI)**  
1.84
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**  
None taken or to be taken. One circuit level outage was 58% of outage time.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #11

**1. SUBSTATION NAME AND NUMBER**

Seymour (11)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Hart County - Hwy 218 - Horse Cave, KY

**3. CIRCUIT NAME AND NUMBER**

(3) Bearwallow

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Seymour - Highway 218 towards the Bearwallow community

**5. TOTAL CIRCUIT MILES (MILES)**

12.3

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

108

**7. DATE OF LAST CIRCUIT TRIM (VM)**

Before 2009

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Off R/W	76.36%
Weather	7.60%
On R/W	5.57%
Unknown	4.50%
Planned	2.69%
Public	2.37%
Animals	0.90%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

70.95

**10. REPORTING YEAR (SAIDI)**

156.48

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.87

**12. REPORTING YEAR (SAIFI)**

2.15

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. One circuit level outage from off R/W tree was 55% of outage time.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #12

**1. SUBSTATION NAME AND NUMBER**

Fox Hollow (12)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Barren County - Hwy 63 - Glasgow, KY

**3. CIRCUIT NAME AND NUMBER**

Hollow Rd - Lecta (3)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Glasgow, KY - Hy 90, Hwy 68-80, Lecta

**5. TOTAL CIRCUIT MILES (MILES)**

75.41

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

1145

**7. DATE OF LAST CIRCUIT TRIM (VM)**

2013

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Off R/W	62.15%
Unknown	34.44%
On R/W	1.64%
Weather	1.48%
Planned	0.99%
Animals	0.02%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

90.22

**10. REPORTING YEAR (SAIDI)**

133.77

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

1.00

**12. REPORTING YEAR (SAIFI)**

1.38

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. One circuit level outage caused by off R/W tree was was 61% of outage time.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #13

**1. SUBSTATION NAME AND NUMBER**

Bon Ayr (16)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Barren County - Hwy 68-80 - Glasgow, KY

**3. CIRCUIT NAME AND NUMBER**

Beckton (2)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Glasgow, KY - Hwy 685 - Beckton

**5. TOTAL CIRCUIT MILES (MILES)**

9.1

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

139

**7. DATE OF LAST CIRCUIT TRIM (VM)**

2014

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Weather	59.22%
Off R/W	39.99%
Public	0.78%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

54.30

**10. REPORTING YEAR (SAIDI)**

121.51

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.74

**12. REPORTING YEAR (SAIFI)**

1.87

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. Only 3 outages total.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #14

1. **SUBSTATION NAME AND NUMBER**  
Bon Ayr (16)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**  
Barren County - Hwy 68-80 - Glasgow, KY
3. **CIRCUIT NAME AND NUMBER**  
Merry Oaks (4)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**  
Merry Oaks - Hwy 68-80
5. **TOTAL CIRCUIT MILES (MILES)**  
24.12
6. **CUSTOMER COUNT FOR THIS CIRCUIT**  
335
7. **DATE OF LAST CIRCUIT TRIM (VM)**  
2014
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**  
On R/W 100.00%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**  
11.64
10. **REPORTING YEAR (SAIDI)**  
127.87
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**  
0.14
12. **REPORTING YEAR (SAIFI)**  
1.10
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**  
None taken or to be taken. Only 4 total outages.



# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #15

**1. SUBSTATION NAME AND NUMBER**

Roseville (18)

**2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**

Barren County - Roseville Rd - Glasgow, KY

**3. CIRCUIT NAME AND NUMBER**

Etoile (1)

**4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**

Roseville to Etoile, Cooktown - Roseville Rd, Payne Mill Rd, Etoile

**5. TOTAL CIRCUIT MILES (MILES)**

111.1

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

692

**7. DATE OF LAST CIRCUIT TRIM (VM)**

2018

**8. LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Off R/W	34.20%
Equipment Failure	20.26%
Unknown	17.32%
Public	13.13%
On R/W	8.63%
Weather	4.58%
Planned	1.08%
Animals	0.80%

**9. CIRCUIT 5 YEAR AVERAGE (SAIDI)**

70.01

**10. REPORTING YEAR (SAIDI)**

70.76

**11. CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.55

**12. REPORTING YEAR (SAIFI)**

0.63

**13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

None taken or to be taken. New substation brought online in 2017 still establishing 5yr average.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #16

1. **SUBSTATION NAME AND NUMBER**  
Roseville (18)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**  
Barren County - Roseville Rd - Glasgow, KY
3. **CIRCUIT NAME AND NUMBER**  
(2) Barren River State Park
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**  
Etoile to Barren River State Park - Tobacco Rd, Hwy 31-E
5. **TOTAL CIRCUIT MILES (MILES)**  
47.1
6. **CUSTOMER COUNT FOR THIS CIRCUIT**  
456
7. **DATE OF LAST CIRCUIT TRIM (VM)**  
2018
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Weather	50.55%
Equipment Failure	20.03%
Animals	11.15%
On R/W	9.75%
Public	3.49%
Planned	2.73%
Unknown	2.30%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**  
26.19
10. **REPORTING YEAR (SAIDI)**  
70.86
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**  
0.33
12. **REPORTING YEAR (SAIFI)**  
0.95
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**  
None taken or to be taken. New substation brought online in 2017 still establishing 5yr average.

# KENTUCKY PUBLIC SERVICE COMMISSION

## CIRCUIT #17

1. **SUBSTATION NAME AND NUMBER**  
Roseville (18)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**  
Barren County - Roseville Rd - Glasgow, KY
3. **CIRCUIT NAME AND NUMBER**  
(4) Temple Hill
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**  
Roseville to Temple Hill - Wells Rd, Mt Pleasant and Woods Store-Etoile
5. **TOTAL CIRCUIT MILES (MILES)**  
32.6
6. **CUSTOMER COUNT FOR THIS CIRCUIT**  
240
7. **DATE OF LAST CIRCUIT TRIM (VM)**  
2018
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Weather	71.40%
Unknown	23.95%
Off R/W	2.17%
Planned	1.48%
On R/W	0.99%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**  
5.55
10. **REPORTING YEAR (SAIDI)**  
25.25
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**  
0.08
12. **REPORTING YEAR (SAIFI)**  
0.27
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**  
None taken or to be taken. New substation brought online in 2017 still establishing 5yr average.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## Electric Distribution Utility Annual Reliability Report

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Additional pages may be attached as necessary

### SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

## KENTUCKY PUBLIC SERVICE COMMISSION

### Electric Distribution Utility Annual Reliability Report

Additional pages may be attached as necessary

#### SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

#### Farmers RECC Vegetation Management Plan for 2021

Farmers RECC will be committed to its members by providing safe reliable electricity. In 2021 we will work on the circuits listed below. We have contracted with A&G Tree Service and Townsend Tree Service to clear the following circuits.

- Bon Ayr – Park City has 52 miles of line
- Bon Ayr – Dripping Springs has 24 miles of line
- Bon Ayr – Beckton has 7 miles of line
- Bon Ayr – Merry Oaks has 24 miles of line
- West Glasgow – B.G. Road has 31 miles of line
- West Glasgow – Old B.G. has 8 miles of line
- West Glasgow #2 – Akebono has 1 mile of line
- Cave City – Mammoth Cave has 63 miles of line
- Cave City – Cave City has 4 miles of line
- Cave City – Bearwallow has 61 miles of line
- Cave City – Goodnight has 9 miles of line
- Cave City – Park City has 22 miles of line
- Goodnight – Rock Quarry has 48 miles of line

Total Miles = 354 miles of line

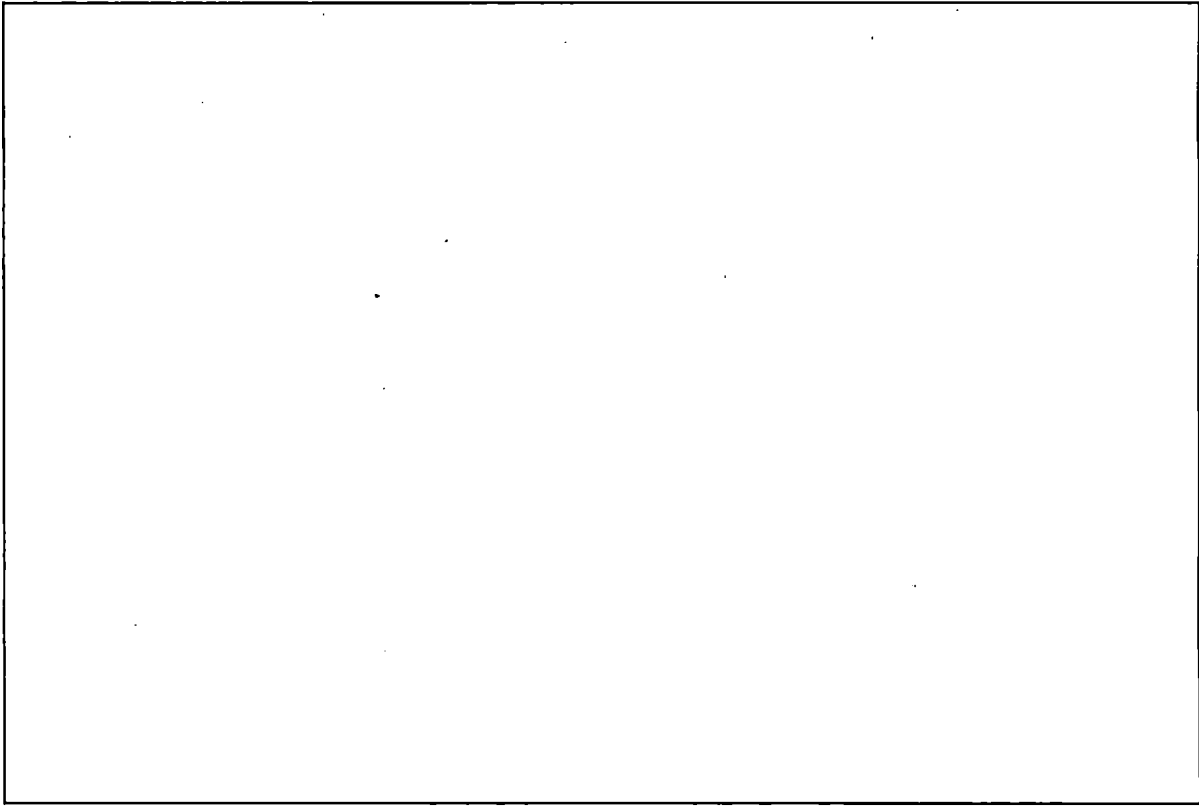
We also have one A&G crew working hot spots & yard tress. They are also cutting Right – Of – Way for new work orders.

We have contracted with Sage for Herbicide spraying on the following circuits.

- Fox Hollow – Roseville has 37 miles of line
- Fox Hollow – 44 Market has 37 miles of line
- Fox Hollow – Lecta has 90 miles of line
- Fox Hollow – Greenvalley has 25 miles of line
- Parkway – South Fork / Pritchardsville has 24 miles of line
- Beckton – Glasgow has 18 miles of line
- Temple Hill – Summer Shade / Nobob 126 miles of line
- Temple Hill – Morrison Park 19 miles of line

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 8: UTILITY COMMENTS

A large, empty rectangular box with a thin black border, occupying the upper half of the page. It is intended for the user to provide utility comments as indicated by the section header above it.