

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

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### SECTION 1: CONTACT INFORMATION

UTILITY NAME	Farners Rural Electric Cooperative
REPORT PREPARED BY	Chuck Bishop
E-MAIL ADDRESS OF PREPARER	<u>cbishop@farmersrecc.net</u>
PHONE NUMBER OF PREPARER	<u>270-651-2191 Ext 8150</u>

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### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	<u>2025</u>
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### SECTION 3: MAJOR EVENT DAYS

$T_{MED}$	<u>11.32</u>
FIRST DATE USED TO DETERMINE $T_{MED}$	<u>1/1/2020</u>
LAST DATE USED TO DETERMINE $T_{MED}$	<u>12/31/2024</u>
NUMBER OF MED IN REPORT YEAR	<u>4</u>

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.

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### SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

#### System-wide Information

TOTAL CUSTOMERS	<u>27025</u>	TOTAL CIRCUITS	<u>66</u>
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#### Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>365.42</u>	SAIDI	<u>127.63</u>
SAIFI	<u>1.23</u>	SAIFI	<u>1.22</u>

#### Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>891.98</u>	SAIDI	<u>340.73</u>
SAIFI	<u>2.13</u>	SAIFI	<u>1.62</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

## 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 # 0102**

**1. SUBSTATION NAME AND NUMBER**

Goodnight (1)

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

Barren County - Hwy 31E (N Jackson Hwy) - Goodnight

**3. CIRCUIT NAME AND NUMBER**

Hwy 68-80 (2)

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

Goodnight, Lecta, & Coral Hill - 31E (N Jackson Hwy) & Coral Hill Rd

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

70.811

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

908

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

2023

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

Tree Related - Off R/W	68.65%
Planned Outage	11.31%
Weather	7.43%
Public	7.40%
Equipment Failure	2.88%
Other	1.43%
Animal	0.66%
Tree Related - On R/W	0.24%

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

63.91

**10. REPORTING YEAR (SAIDI)**

69.38

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

0.696

**12. REPORTING YEAR (SAIFI)**

0.47

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

None taken or to be taken. The two largest SAIDI contributing outages were due to a single off R/W tree related outage during a storm event and a planned outage for maintenance.

# 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 # 0103**

**1. SUBSTATION NAME AND NUMBER**

Goodnight (1)

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

Barren County - Hwy 31E (N Jackson Hwy) - Goodnight

**3. CIRCUIT NAME AND NUMBER**

Country Club (3)

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

Goodnight - Old Munfordville Rd

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

18.488

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

309

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

2022

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

Equipment Failure	83.13%
Public	6.58%
Tree Related - Off R/W	5.98%
Other	2.90%
Planned Outage	1.12%
Weather	0.29%

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

19.534

**10. REPORTING YEAR (SAIDI)**

172.22

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

0.264

**12. REPORTING YEAR (SAIFI)**

1.3

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

None taken or to be taken. The largest SAIDI contributor was due to a downed line with no indication of a systemic issue. SAIFI was impacted by several planned outages for maintenance.

# 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 # 0205**

**1. SUBSTATION NAME AND NUMBER**

Munfordville (2)

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

Hart County - Hwy 31W (Main St) - Munfordville

**3. CIRCUIT NAME AND NUMBER**

Jonesville (5)

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

Munfordville - Hwy 357 (Hammonsville Rd)

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

10.734

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

56

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

2024

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

Tree Related - On R/W	48.49%
Weather	35.87%
Other	10.69%
Planned Outage	4.95%

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

99.272

**10. REPORTING YEAR (SAIDI)**

171

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

1.362

**12. REPORTING YEAR (SAIFI)**

2.27

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

None taken or to be taken. The largest SAIDI and SAIFI contributors were 3 outages on the same day due to the same outage cause (limb on line) which took some time to find. After further investigation, there was no indication of a systemic issue.

# 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 # 0301**

**1. SUBSTATION NAME AND NUMBER**

Temple Hill (3)

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

Barren County, Hwy 63 (Temple Hill Rd) - Temple Hill

**3. CIRCUIT NAME AND NUMBER**

Summer Shade / Nobob (1)

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

Temple Hill, Eighty Eight, & Nobob - Nobob Rd, Hwy 90 (Burkesville Rd), & Randolph Summer

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

132.86

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

947

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

2017

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

Weather	57.36%
Tree Related - Off R/W	29.44%
Other	4.31%
Animal	4.28%
Tree Related - On R/W	3.41%
Equipment Failure	0.93%
Planned Outage	0.26%
Public	0.01%

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

73.67

**10. REPORTING YEAR (SAIDI)**

146.97

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

0.864

**12. REPORTING YEAR (SAIFI)**

2.19

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

None taken or to be taken. The largest 3 SAIDI contributing outages were due to an off R/W tree, an animal, and high wind in a storm event. SAIFI was impacted by several planned outages for maintenance and tree related outages. Feeder inspection did not find any systemic issue. This circuit is scheduled to be cycle trimmed in 2027.

# 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 # 0401**

**1. SUBSTATION NAME AND NUMBER**

Knob Lick (4)

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

Metcalfe County - Hwy 70 (Sulphur Well Knob Lick Rd) - Knob Lick

**3. CIRCUIT NAME AND NUMBER**

Sulphur Well (1)

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

Knob Lick & Sulphur Well - Hwy 70 (Sulphur Well Knob Lick Rd), Sulphur Well Center Rd, & Hwy 68

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

100.94

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

645

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

2019

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

Tree Related - Off R/W	84.65%
Tree Related - On R/W	7.33%
Other	6.44%
Planned Outage	0.96%
Weather	0.46%
Public	0.07%
Equipment Failure	0.05%
Animal	0.04%

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

154.43

**10. REPORTING YEAR (SAIDI)**

286.01

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

1.284

**12. REPORTING YEAR (SAIFI)**

1.71

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

None taken or to be taken. The largest SAIDI contributing cause was off R/W tree related. SAIFI was impacted by several small outages throughout the year related to storms.

# 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 # 0402**

**1. SUBSTATION NAME AND NUMBER**

Knob Lick (4)

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

Metcalfe County - Hwy 70 (Sulphur Well Knob Lick Rd) - Knob Lick

**3. CIRCUIT NAME AND NUMBER**

Edmonton (2)

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

Knob Lick & Edmonton - Hwy 1243 (Knob Lick Rd), Toby Hill Rd, & Beechville Rd

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

49.523

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

318

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

2019

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

Tree Related - Off R/W	77.53%
Equipment Failure	6.63%
Tree Related - On R/W	6.47%
Weather	5.06%
Other	2.41%
Planned Outage	1.37%
Animal	0.40%
Public	0.13%

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

68.502

**10. REPORTING YEAR (SAIDI)**

157.7

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

0.57

**12. REPORTING YEAR (SAIFI)**

1.48

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

None taken or to be taken. The largest SAIDI contributing cause was off R/W tree related outages. SAIFI was impacted by planned outages for maintenance and several storms.

# 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 # 0403**

**1. SUBSTATION NAME AND NUMBER**

Knob Lick (4)

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

Metcalfe County - Hwy 70 (Sulphur Well Knob Lick Rd) - Knob Lick

**3. CIRCUIT NAME AND NUMBER**

Hiseville (3)

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

Knob Lick & Hiseville - Hwy 70 (Hiseville Rd) & Knob Lick Blue Springs Rd

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

22.309

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

175

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

2019

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

Tree Related - Off R/W	94.18%
Planned Outage	3.42%
Weather	0.90%
Public	0.83%
Equipment Failure	0.67%

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

74.626

**10. REPORTING YEAR (SAIDI)**

156.77

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

0.51

**12. REPORTING YEAR (SAIFI)**

1.75

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

None taken or to be taken. The largest SAIDI contributors were related to two off R/W tree outages during storm events. SAIFI was impacted by several planned outages for maintenance and storms.

# 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 # 0404**

**1. SUBSTATION NAME AND NUMBER**

Knob Lick (4)

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

Metcalfe County - Hwy 70 (Sulphur Well Knob Lick Rd) - Knob Lick

**3. CIRCUIT NAME AND NUMBER**

Center (4)

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

Knob Lick & Center - Pleasant Valley Church Rd, Ratliff Mitchell Rd, & Center Peggyville Rd

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

110.71

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

695

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

2019

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

Equipment Failure	76.57%
Tree Related - Off R/W	11.83%
Weather	5.92%
Public	3.99%
Other	1.33%
Planned Outage	0.36%

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

68.638

**10. REPORTING YEAR (SAIDI)**

172.02

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

0.606

**12. REPORTING YEAR (SAIFI)**

1.34

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

None taken or to be taken. The largest SAIDI contributors were two equipment related outages on the same day for a single issue before final repairs could be completed. SAIFI was impacted by several small outages related to storms and public caused.

# 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 # 0501**

**1. SUBSTATION NAME AND NUMBER**

Beckton (5)

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

Barren County - Hwy 1297 (Old Bowling Green Rd) - Beckton

**3. CIRCUIT NAME AND NUMBER**

Glasgow (1)

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

Beckton to Glasgow - Hwy 1297 (Old Munfordville Rd) & Siddens Rd

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

18.458

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

186

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

2020

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

Tree Related - Off R/W	96.40%
Weather	2.55%
Planned Outage	0.74%
Animal	0.32%

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

112.31

**10. REPORTING YEAR (SAIDI)**

222.16

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

0.8206

**12. REPORTING YEAR (SAIFI)**

0.83

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

None taken or to be taken. The largest SAIDI contributors were related to two off R/W tree outages during a storm event. SAIFI was impacted by several small outages related to storms and planned outages for maintenance.

# KENTUCKY PUBLIC SERVICE COMMISSION

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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 # 0502**

**1. SUBSTATION NAME AND NUMBER**

Beckton (5)

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

Barren County - Hwy 1297 (Old Bowling Green Rd) - Beckton

**3. CIRCUIT NAME AND NUMBER**

Rocky Hill (2)

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

Beckton, Rocky Hill, & Finney - Beckton Rocky Hill Rd, Hwy 252 (Finney Rd), Happy Landing Rd, &

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

109.91

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

1248

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

2015 (Sch 2026)

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

Planned Outage	29.92%
Tree Related - Off R/W	28.94%
Weather	12.15%
Public	8.49%
Other	7.56%
Tree Related - On R/W	5.19%
Animal	4.92%
Equipment Failure	2.83%

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

177.3

**10. REPORTING YEAR (SAIDI)**

179.77

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

1.764

**12. REPORTING YEAR (SAIFI)**

2.63

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

None taken or to be taken. The largest SAIDI contributors were a planned outage for system upgrade and off R/W tree related outages during storms. SAIFI was impacted by several tree related outages. The cycle trim for this feeder is presently under way.

# KENTUCKY PUBLIC SERVICE COMMISSION

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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 # 0504**

**1. SUBSTATION NAME AND NUMBER**

Beckton (5)

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

Barren County - Hwy 1297 (Old Bowling Green Rd) - Beckton

**3. CIRCUIT NAME AND NUMBER**

Merry Oaks (4)

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

Beckton - Hwy 685 (Beckton Rd), Bishop Rd, & S Gassaway Rd

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

10.576

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

101

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

2020

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

Equipment Failure	50.88%
Tree Related - Off R/W	45.32%
Weather	3.80%

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

106.22

**10. REPORTING YEAR (SAIDI)**

71.15

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

0.598

**12. REPORTING YEAR (SAIFI)**

1.15

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

None taken or to be taken. SAIFI was impacted by only 4 outages total: three were storm related and one due to a damaged fuse cutout.

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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 # 0603**

**1. SUBSTATION NAME AND NUMBER**

Cave City (6)

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

Barren County - Hwy 90 (Happy Valley Rd) - Cave City

**3. CIRCUIT NAME AND NUMBER**

Northtown (3)

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

Cave City & Northtown - Griderville Rd, N Toohey Ridge Rd, & Eudora Rd

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

31.678

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

386

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

2023

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

Other	74.76% (Unkown)
Tree Related - Off R/W	13.48%
Equipment Failure	9.19%
Weather	2.33%
Planned Outage	0.24%

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

133.89

**10. REPORTING YEAR (SAIDI)**

172.8

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

0.938

**12. REPORTING YEAR (SAIFI)**

1.49

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

None taken or to be taken. The largest SAIDI contributor was related to an unknown outage during a winter storm event. Crews completed a follow-up inspection that found no cause. SAIFI was impacted by several small storm related outages.

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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 # 0605**

**1. SUBSTATION NAME AND NUMBER**

Cave City (6)

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

Barren County - Hwy 90 (Happy Valley Rd) - Cave City

**3. CIRCUIT NAME AND NUMBER**

Park City (5)

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

Cave City - Hwy 31W (Louisville Rd), Old Happy Valley Rd, & Hwy 90 (Happy Valley Rd)

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

23.577

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

432

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

2021

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

Tree Related - Off R/W	81.14%
Weather	14.05%
Planned Outage	1.82%
Animal	1.29%
Other	0.94%
Equipment Failure	0.76%

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

97.384

**10. REPORTING YEAR (SAIDI)**

104.34

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

0.532

**12. REPORTING YEAR (SAIFI)**

0.72

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

None taken or to be taken. The largest SAIDI contributors were outages related to an off R/W tree and storm events. SAIFI was impacted by several planned outages for maintenance and small storm related outages.

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## 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 # 0606**

**1. SUBSTATION NAME AND NUMBER**

Cave City (6)

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

Barren County - Hwy 90 (Happy Valley Rd) - Cave City

**3. CIRCUIT NAME AND NUMBER**

Bearwallow (6)

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

Cave City, Horse Cave & Bearwallow - Hwy 70 (Griderville Rd), Old Lexington Rd, & Hwy 218

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

59.817

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

555

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

2023

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

Weather	84.42%
Tree Related - Off R/W	4.23%
Public	3.04%
Other	2.87%
Planned Outage	2.27%
Tree Related - On R/W	1.77%
Equipment Failure	1.09%
Animal	0.31%

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

82.848

**10. REPORTING YEAR (SAIDI)**

137.09

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

0.4475

**12. REPORTING YEAR (SAIFI)**

1.44

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

None taken or to be taken. SAIDI was driven by one lightning related storm event damaging an insulator. This affected a large number of accounts and the outage time was lengthy due to pole needing to be climbed for repairs. SAIFI was impacted by several planned outages for maintenance and small storms.

# 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 # 0801**

**1. SUBSTATION NAME AND NUMBER**

Galloway (8)

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

Metcalfe County - Hwy 68-80 (Glasgow Rd) - Cave Ridge

**3. CIRCUIT NAME AND NUMBER**

Edmonton (1)

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

Cave Ridge, Edmonton, Gascon, & Mosby Ridge - Hwy 68-80 (Glasgow Rd), Hwy 68 (Greensburg)

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

171.73

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

1440

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

2018

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

Tree Related - Off R/W	56.78%
Weather	26.73%
Tree Related - On R/W	6.31%
Other	4.60%
Equipment Failure	4.04%
Planned Outage	1.17%
Animal	0.37%

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

184.86

**10. REPORTING YEAR (SAIDI)**

258.4

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

1.472

**12. REPORTING YEAR (SAIFI)**

1.7

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

None taken or to be taken. The largest SAIDI contributing causes were off R/W trees during storm events. SAIFI was impacted by several small planned outages for maintenance and storm related events. No systemic feeder issue was identified.

# 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 # 0802**

**1. SUBSTATION NAME AND NUMBER**

Galloway (8)

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

Metcalfe County - Hwy 68-80 (Glasgow Rd) - Cave Ridge

**3. CIRCUIT NAME AND NUMBER**

Randolph (2)

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

Cave Ridge, Wisdom, Slick Rock, Randolph - Hwy 68-80 (Edmonton Rd), Hwy 640 (Wisdom Rd),

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

114.95

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

890

**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	60.29%
Equipment Failure	20.91%
Public	6.88%
Planned Outage	6.09%
Tree Related - Off R/W	3.27%
Tree Related - On R/W	1.17%
Other	0.93%
Animal	0.46%

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

137.02

**10. REPORTING YEAR (SAIDI)**

188.06

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

1.726

**12. REPORTING YEAR (SAIFI)**

2.27

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

None taken or to be taken. The largest SAIDI contributing causes were storm events and equipment failure. SAIFI was primarily impacted by several small planned outages for maintenance and storm related events. No systemic feeder issue was identified.

# 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 # 0901**

**1. SUBSTATION NAME AND NUMBER**

Bonnieville (9)

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

Hart County - Hwy 31W (N Dixie Hwy) - Bonnieville

**3. CIRCUIT NAME AND NUMBER**

Priceville (1)

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

Bonnieville to Upton - Hwy 728 (Priceville Rd), Copelin Rd, Pleasant Hill Rd, & Falling Springs Church

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

44.479

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

368

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

2025/2026

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

Tree Related - On R/W	42.52%
Equipment Failure	28.31%
Weather	18.31%
Public	4.28%
Planned Outage	2.59%
Tree Related - Off R/W	2.10%
Other	1.89%

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

156.19

**10. REPORTING YEAR (SAIDI)**

119.78

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

1.1

**12. REPORTING YEAR (SAIFI)**

1.23

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

None taken or to be taken. SAIFI was primarily impacted by small outages related to storms and planned outages for maintenance.

# 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 # 0902**

**1. SUBSTATION NAME AND NUMBER**

Bonnieville (9)

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

Hart County - Hwy 31W (N Dixie Hwy) - Bonnieville

**3. CIRCUIT NAME AND NUMBER**

Mundfordville (2)

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

Bonnieville & Munfordville - Hwy 31W (N Dixie Hwy), Concord Church Rd, Frenchmans Knob Rd, &

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

50.353

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

389

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

2015 (Sch 2026)

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

Tree Related - On R/W	70.46%
Public	19.17%
Tree Related - Off R/W	4.19%
Weather	3.31%
Animal	1.45%
Equipment Failure	0.78%
Planned Outage	0.32%
Other	0.32%

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

229.06

**10. REPORTING YEAR (SAIDI)**

300.86

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

2.24

**12. REPORTING YEAR (SAIFI)**

2.92

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

The largest SAIDI contributing outages causes were tree related and public. This feeder is currently being cycle trimmed.

# 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 # 1203**

**1. SUBSTATION NAME AND NUMBER**

Fox Hollow (12)

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

Barren County - Hwy 63 (Temple Hill Rd) - Glasgow

**3. CIRCUIT NAME AND NUMBER**

Lecta (3)

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

Glasgow & Lecta - Hwy 90 (Burkesville Rd), Hwy 68-80 (Edmonton Rd), Lecta-Kino Rd, & Garnett

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

75.038

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

1099

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

2020

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

Tree Related - Off R/W	59.16%
Public	21.32%
Tree Related - On R/W	10.37%
Planned Outage	4.92%
Other	2.11%
Animal	0.97%
Weather	0.80%
Equipment Failure	0.35%

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

82.272

**10. REPORTING YEAR (SAIDI)**

127.27

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

0.772

**12. REPORTING YEAR (SAIFI)**

1.1

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

None taken or to be taken. The largest SAIDI contributors were outages related to off R/W trees and public. SAIFI was impacted by a large quantity of planned outages for maintenance.

# 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 # 1204**

**1. SUBSTATION NAME AND NUMBER**

Fox Hollow (12)

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

Barren County - Hwy 63 (Temple Hill Rd) - Glasgow

**3. CIRCUIT NAME AND NUMBER**

Green Valley (4)

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

Glasgow & Green Valley - Hwy 90 (Burkesville Rd), Green Valley Rd, and Hollow Rd

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

24.443

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

426

**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	86.98%
Tree Related - On R/W	5.23%
Planned Outage	4.03%
Animal	1.33%
Other	0.91%
Tree Related - Off R/W	0.88%
Equipment Failure	0.46%
Public	0.18%

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

34.72

**10. REPORTING YEAR (SAIDI)**

158.47

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

0.422

**12. REPORTING YEAR (SAIFI)**

1.42

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

None taken or to be taken. The largest SAIDI contributor was a broken pole due to high winds in a storm event. No systemic issues were identified. SAIDI was impacted by several planned outages for maintenance.

# 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 # 1601**

**1. SUBSTATION NAME AND NUMBER**

Bon Ayr (16)

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

Barren County - Hwy 68-80 (Bowling Green Rd) - Bon Ayr

**3. CIRCUIT NAME AND NUMBER**

Dripping Springs Rd (1)

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

Bon Ayr & Dripping Springs - Hwy 685 (Stovall Rd), Dripping Springs Rd, & Hwy 2189 (Park City)

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

21.048

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

341

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

2021

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

Equipment Failure	90.84%
Planned Outage	6.14%
Public	3.02%

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

49.61

**10. REPORTING YEAR (SAIDI)**

58.59

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

0.692

**12. REPORTING YEAR (SAIFI)**

1.04

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

None taken or to be taken. The largest SAIDI contributor was a feeder outage due to a damaged lightning arrester. SAIFI was impacted by several planned outages for maintenance.

# 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 # 1604**

**1. SUBSTATION NAME AND NUMBER**

Bon Ayr (16)

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

Barren County - Hwy 68-80 (Bowling Green Rd) - Bon Ayr

**3. CIRCUIT NAME AND NUMBER**

Merry Oaks (4)

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

Bon Ayr & Merry Oaks - Hwy 68-80 (Bowling Green Rd) & Denton Rd

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

24.421

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

314

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

2021

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

Tree Related - Off R/W	93.98%
Weather	2.85%
Planned Outage	2.35%
Public	0.65%
Other	0.17%

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

39.65

**10. REPORTING YEAR (SAIDI)**

72.78

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

0.616

**12. REPORTING YEAR (SAIFI)**

0.29

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

None taken or to be taken. The largest SAIDI contributing cause was related to off R/W trees.

# 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 # 1702**

**1. SUBSTATION NAME AND NUMBER**

Jonesville (17)

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

Hart County - Hwy 357 (Hammons ville Rd) - Munfordville

**3. CIRCUIT NAME AND NUMBER**

Jonesville (2)

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

Jonesville, Magnolia, & Powder Mill - Hwy 357 (Hammons ville Rd), Hwy 31E (N Jackson Hwy), and

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

47.264

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

671

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

2014 (Sch 2026)

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

Tree Related - Off R/W	45.07%
Weather	29.51%
Tree Related - On R/W	18.90%
Animal	2.29%
Other	1.61%
Public	1.43%
Equipment Failure	1.15%
Planned Outage	0.04%

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

182.12

**10. REPORTING YEAR (SAIDI)**

390.1

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

1.872

**12. REPORTING YEAR (SAIFI)**

2.62

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

The largest SAIDI contributing causes were tree and storm related. SAIFI was impacted by a large number of tree and storm related issues. This feeder is currently being cycle trimmed.

# 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 # 1703

**1. SUBSTATION NAME AND NUMBER**

Jonesville (17)

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

Hart County - Hwy 357 (Hammonsville Rd) - Munfordville

**3. CIRCUIT NAME AND NUMBER**

Seymour (3)

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

Hardyville, Canmer, & Defries - Hwy 357 (Hammonsville Rd), Hwy 88 (Hardyville Rd) & Hwy 677

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

13.263

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

717

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

2025/2026

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

Weather	66.36%
Tree Related - On R/W	21.29%
Equipment Failure	7.31%
Tree Related - Off R/W	3.40%
Planned Outage	1.04%
Public	0.50%
Animal	0.08%
Other	0.02%

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

249.14

**10. REPORTING YEAR (SAIDI)**

370.28

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

1.77

**12. REPORTING YEAR (SAIFI)**

3.58

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

None taken or to be taken. The largest SAIDI contributing causes were tree and storm related. SAIFI was impacted by a large number of tree and storm related outages. This feeder is currently being cycle trimmed.

# 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 # 1801**

**1. SUBSTATION NAME AND NUMBER**

Roseville (18)

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

Barren County - Roseville Rd - Roseville

**3. CIRCUIT NAME AND NUMBER**

Etoile (1)

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

Roseville & Etoile - Hwy 249 (Roseville Rd), Payne Mill Rd, & Peter Creek Rd

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

112.02

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

612

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

2018

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

Equipment Failure	29.91%
Tree Related - Off R/W	27.08%
Tree Related - On R/W	21.20%
Weather	11.26%
Planned Outage	4.10%
Public	4.03%
Animal	1.57%
Other	0.85%

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

139.83

**10. REPORTING YEAR (SAIDI)**

157.54

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

1.278

**12. REPORTING YEAR (SAIFI)**

1.56

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

The largest SAIDI contributors were due to equipment failure and off R/W trees. There were several on R/W trees as well indicating the need for trimming. This feeder is tentatively scheduled to be cycle trimmed in 2027.

# 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 # 1802**

**1. SUBSTATION NAME AND NUMBER**

Roseville (18)

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

Barren County - Roseville Rd - Roseville

**3. CIRCUIT NAME AND NUMBER**

State Park (2)

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

Roseville & Lucas - Tobacco Rd, Hwy 31E (Scottsville Rd), & S Lucas Rd

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

47.659

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

444

**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	41.80%
Other	26.93%
Tree Related - Off R/W	23.46%
Equipment Failure	3.82%
Tree Related - On R/W	3.28%
Animal	0.71%

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

112.16

**10. REPORTING YEAR (SAIDI)**

118.97

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

1.216

**12. REPORTING YEAR (SAIFI)**

1.78

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

None taken or to be taken. The largest SAIDI contributors were related to storms and off R/W trees. There were a few unknown outages which were never identified after a follow-up inspection. SAIFI was impacted by several storm and tree related outages.

# 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 # 1804**

**1. SUBSTATION NAME AND NUMBER**

Roseville (18)

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

Barren County - Roseville Rd - Roseville

**3. CIRCUIT NAME AND NUMBER**

Temple Hill (4)

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

Roseville - Roseville Rd, Matthews Mill Rd, Mt Pleasant Rd, & Woods Store Etoile Rd

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

33.323

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

236

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

2018

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

Tree Related - Off R/W	62.88%
Animal	30.24%
Planned Outage	5.30%
Equipment Failure	0.65%
Weather	0.50%
Other	0.43%

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

97.482

**10. REPORTING YEAR (SAIDI)**

147.6

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

1.05

**12. REPORTING YEAR (SAIFI)**

0.96

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

None taken or to be taken. The largest SAIDI contributing outage causes were due to off R/W trees and animals.

# Electric Distribution Utility Annual Reliability Report

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## **SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW**

**In 2026, Farmers RECC will work to clear the circuits listed below. We have contracts with Townsend Tree Service, WA Kendall to perform all work, and Steel Rock Services.**

Right-of-way clearing planned:	252 miles
0901 Bonnieville (9)-Priceville (1)	43 miles
0902 Bonnieville (9)-Munfordville (2)	52 miles
1702 Jonesville (17)-Jonesville (2)	98 miles
1703 Jonesville (17)-Seymour (3)	59 miles

**In 2026, Farmers RECC will work to spray with herbicide the following circuits. We have contracts with Sage and Protec-Terra for herbicide spraying.**

Right-of-way herbicide spraying (6289 miles)	454 miles
0203 Munfordville (2)-Priceville (3)	96 miles
0204 Munfordville (2)-Anderson (4)	1 miles
0207 Munfordville (2)-Munf. Industrial Park (7)	1 miles
0501 Beckton (5)-Glasgow (1)	18 miles
0503 Beckton (5)-Railton (3)	76 miles
0504 Beckton (5)-Merry Oaks (4)	11 miles
0601 Cave City (6)-Mammoth Cave (1)	34 miles
0602 Cave City (6)-Cave City (2)	4 miles
0603 Cave City (6)-Northtown (3)	33 miles
0604 Cave City (6)-Goodnight (4)	9 miles
0605 Cave City (6)-Park City (5)	23 miles
1001 West Glasgow 1 (10)-B.G. Road (1)	31 miles
1002 West Glasgow 1 (10)-Donnelly Drive (2)	8 miles
1501 West Glasgow 2 (15)-Akebono (1)	1 miles
1601 Bon Ayr (16)-Dripping Springs Rd (1)	23 miles
1602 Bon Ayr (16)-Beckton (2)	9 miles
1603 Bon Ayr (16)-Park City (3)	51 miles
1604 Bon Ayr (16)-Merry Oaks (4)	25 miles

**In 2026, Farmers RECC will continue to perform hot spot clearing, trimming yard trees, and clearing for new work orders with the contractors listed above.**

# Electric Distribution Utility Annual Reliability Report

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## SECTION 7: UTILITY COMMENTS