

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

### SECTION 1: CONTACT INFORMATION

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

### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2024
-------------------------	------

### SECTION 3: MAJOR EVENT DAYS

$T_{MED}$	10.27
FIRST DATE USED TO DETERMINE $T_{MED}$	1/1/2019
LAST DATE USED TO DETERMINE $T_{MED}$	12/31/2024
NUMBER OF MED IN REPORT YEAR	8

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	26452	TOTAL CIRCUITS	67
-----------------	-------	----------------	----

#### Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	174.93	SAIDI	539.24
SAIFI	1.28	SAIFI	1.79

#### Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	547.94	SAIDI	2509.85
SAIFI	1.80	SAIFI	3.69

#### 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

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0101**

**1. SUBSTATION NAME AND NUMBER**

Goodnight (1)

Goodnight1

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

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

**3. CIRCUIT NAME AND NUMBER**

Hiseville (1)

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

Hiseville (1)

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

76.59

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

482

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

2022

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

Tree Related On R/W	92.57%
Weather	6.64%
Planned	0.68%
Unknown	0.11%

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

119.04

**10. REPORTING YEAR (SAIDI)**

175.98

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

1.644

**12. REPORTING YEAR (SAIFI)**

1.33

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

None taken or to be taken. The largest SAIDI and SAIFI contributor was On R/W trees during storm events.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0105**

**1. SUBSTATION NAME AND NUMBER**

Goodnight (1)

Goodnight1

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

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

**3. CIRCUIT NAME AND NUMBER**

Cave City (5)

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

Cave City (5)

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

11.09

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

88

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

2022

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

Tree Related Off R/W	57.83%
Tree Related On R/W	18.62%
Public	15.51%
Animal	8.04%

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

10.07

**10. REPORTING YEAR (SAIDI)**

41.26

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

0.126

**12. REPORTING YEAR (SAIFI)**

0.45

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

None taken or to be taken. The largest SAIDI contributor was a single Off R/W tree related outage and a single On R/W tree related outage. Both were during storm events.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0202**

**1. SUBSTATION NAME AND NUMBER**

Munfordville (2)

Munfordville2

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

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

**3. CIRCUIT NAME AND NUMBER**

Northtown (2)

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

Northtown (2)

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

79.34

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

466

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

2024

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

Unknown	25.17%
Tree Related On R/W	21.40%
Public	21.27%
Weather	13.94%
Planned	10.64%
Animal	7.58%

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

104.48

**10. REPORTING YEAR (SAIDI)**

264.69

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

0.94

**12. REPORTING YEAR (SAIFI)**

2.1

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

None taken or to be taken. This circuit had very few outages with very little outage time.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Munfordville2

**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)**

Jonesville (5)

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

10.48

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

53

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

2024

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

Unknown	25.17%
Tree Related On R/W	21.40%
Public	21.27%
Weather	13.94%
Planned	10.64%
Animal	7.58%

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

66.242

**10. REPORTING YEAR (SAIDI)**

186.25

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

0.844

**12. REPORTING YEAR (SAIFI)**

2.68

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

None taken or to be taken. This circuit had very few outages with very little outage time.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0206**

**1. SUBSTATION NAME AND NUMBER**

Munfordville (2)

Munfordville2

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

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

**3. CIRCUIT NAME AND NUMBER**

Cub Run (6)

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

Cub Run (6)

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

177.68

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

1837

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

2021

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

Public	47.18%
Tree Related On R/W	24.58%
Tree Related Off R/W	11.91%
Equipment Failure	6.96%
Animal	3.07%
Weather	2.81%
Planned	2.79%
Unknown	0.69%

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

168.3

**10. REPORTING YEAR (SAIDI)**

279.82

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

1.746

**12. REPORTING YEAR (SAIFI)**

2.92

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

The largest SAIDI and SAIFI contributors were due to Public, On R/W trees, and Off R/W trees. Many of the tree-related outages were during storm events. Due to this circuit's large number of miles, large member count, and resulting poor reliability, a substation is being constructed by the end of 2026.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0302**

**1. SUBSTATION NAME AND NUMBER**

Temple Hill (3)

TempleHill3

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

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

**3. CIRCUIT NAME AND NUMBER**

Morrison Park (2)

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

Morrison Park (2)

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

19.92

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

179

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

2017

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

Tree Related Off R/W	53.58%
Weather	36.73%
Tree Related On R/W	5.78%
Public	2.88%
Animal	1.02%

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

50.12

**10. REPORTING YEAR (SAIDI)**

89.91

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

0.634

**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 and SAIFI contributors were due to Off R/W trees and lightning during extraordinary storm events.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0303**

**1. SUBSTATION NAME AND NUMBER**

Temple Hill (3)

TempleHill3

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

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

**3. CIRCUIT NAME AND NUMBER**

Glover Creek / 44 Mkt (3)

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

Glover Creek / 44 Mkt (3)

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

65.63

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

553

**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	39.06%
Unknown	21.82%
Tree Related On R/W	18.72%
Animal	13.61%
Equipment Failure	6.36%
Planned	0.43%

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

130.92

**10. REPORTING YEAR (SAIDI)**

236.55

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

1.706

**12. REPORTING YEAR (SAIFI)**

2.88

**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 due to lightning during extraordinary storm events and an Unknown outage. We investigate any Unknown outage searching for a cause and found none in this case.



# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0304**

**1. SUBSTATION NAME AND NUMBER**

Temple Hill (3)

TempleHill3

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

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

**3. CIRCUIT NAME AND NUMBER**

Etoile (4)

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

Etoile (4)

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

18.1

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

107

**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 98.47%

Animal 1.53%

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

160.45

**10. REPORTING YEAR (SAIDI)**

183.32

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

1.672

**12. REPORTING YEAR (SAIFI)**

1.02

**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 single Off R/W trees related outage during a storm event.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0306**

**1. SUBSTATION NAME AND NUMBER**

Temple Hill (3)

TempleHill3

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

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

**3. CIRCUIT NAME AND NUMBER**

Temple Hill (6)

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

Temple Hill (6)

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

34.95

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

269

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

2017

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

Planned	55.63%
Weather	22.03%
Public	14.29%
Animal	5.38%
Tree Related Off R/W	1.98%
Equipment Failure	0.36%
Unknown	0.32%

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

94.668

**10. REPORTING YEAR (SAIDI)**

88.25

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

0.998

**12. REPORTING YEAR (SAIFI)**

1.33

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

None taken or to be taken. The largest SAIFI contributors were Planned (safely change a pole), due to Weather (lightning), and a Public cause outage.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

KnobLick4

**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)**

Hiseville (3)

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

22.19

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

166

**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 On R/W	71.99%
Public	10.11%
Tree Related Off R/W	8.38%
Weather	5.68%
Animal	2.76%
Planned	1.08%

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

64.586

**10. REPORTING YEAR (SAIDI)**

94.56

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

0.486

**12. REPORTING YEAR (SAIFI)**

0.67

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

None taken or to be taken. The largest SAIDI contributors were due to On R/W trees and Public caused outages. We examined the circuit and found the issues to be isolated and not systemic. Specific conditions were related to storm events, yard trees with limited ability to trim, etc.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

KnobLick4

**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)**

Center (4)

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

110.01

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

701

**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	74.38%
Tree Related On R/W	10.07%
Tree Related Off R/W	8.62%
Animal	3.01%
Weather	1.98%
Planned	1.75%
Public	0.17%
Other	0.02%

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

45.252

**10. REPORTING YEAR (SAIDI)**

147.94

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

0.492

**12. REPORTING YEAR (SAIFI)**

0.97

**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 Equipment Failure (broken insulator). This coupled with lightning during extraordinary storm events were the largest SAIFI contributors.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0503**

**1. SUBSTATION NAME AND NUMBER**

Beckton (5)

Beckton5

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

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

**3. CIRCUIT NAME AND NUMBER**

Railton (3)

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

Railton (3)

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

75.5

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

670

**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	28.67%
Unknown	23.85%
Weather	16.98%
Tree Related On R/W	16.72%
Public	8.51%
Animal	4.33%
Planned	0.95%

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

66.252

**10. REPORTING YEAR (SAIDI)**

84.62

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

0.802

**12. REPORTING YEAR (SAIFI)**

0.81

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

None taken or to be taken. The largest SAIDI contributors were due to Equipment Failure and Unknown causes. We investigate any Unknown outage searching for a cause and found none in this case.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 0704**

**1. SUBSTATION NAME AND NUMBER**

Parkway 1 (7)

Parkway17

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

Barren County - Aberdeen Dr - Glasgow

**3. CIRCUIT NAME AND NUMBER**

Haywood (4)

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

Haywood (4)

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

47.73

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

891

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

2017

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

Tree Related On R/W	41.56%
Animal	31.35%
Weather	18.07%
Unknown	4.56%
Public	4.41%
Planned	0.06%

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

60.794

**10. REPORTING YEAR (SAIDI)**

65.17

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

0.702

**12. REPORTING YEAR (SAIFI)**

0.72

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

The largest SAIDI contributors were due to On R/W trees (mainly storm related) and Animal relate causes. No systemic issues were identified and the circuit is scheduled for clearing in 2026. This coupled with lightning during extraordinary storm events were the largest SAIFI contributors.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Galloway8

**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)**

Edmonton (1)

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

177.81

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

1406

**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 On R/W	45.44%
Tree Related Off R/W	22.20%
Equipment Failure	16.40%
Weather	6.41%
Unknown	4.32%
Animal	3.34%
Planned	0.82%
Public	0.69%
Other	0.38%

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

170.32

**10. REPORTING YEAR (SAIDI)**

208.84

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

1.386

**12. REPORTING YEAR (SAIFI)**

1.75

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

The largest SAIDI contributors were due to On R/W and Off R/W trees. Many of these were related to storm events. This circuit is scheduled for clearing in 2026. This coupled with lightning during extraordinary storm events were the largest SAIFI contributors.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Galloway8

**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)**

Randolph (2)

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

110.94

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

855

**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	39.13%
Equipment Failure	17.96%
Public	17.27%
Tree Related Off R/W	9.86%
Tree Related On R/W	5.39%
Animal	5.25%
Unknown	3.38%
Planned	1.76%

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

130.99

**10. REPORTING YEAR (SAIDI)**

123.67

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

1.596

**12. REPORTING YEAR (SAIFI)**

1.68

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

None taken or to be taken. The largest SAIDI and SAIFI contributor was due to lightning during extraordinary storm events.



# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Bonnieville9

**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)**

Priceville (1)

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

44.41

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

366

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

2016

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

Tree Related On R/W	75.60%
Unknown	14.50%
Equipment Failure	8.94%
Weather	0.63%
Planned	0.19%
Public	0.11%
Animal	0.04%

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

87.716

**10. REPORTING YEAR (SAIDI)**

408.08

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

0.532

**12. REPORTING YEAR (SAIFI)**

3.23

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

The largest SAIDI and SAIFI contributor was due to On R/W trees. This circuit is scheduled for clearing in 2025. We investigate any Unknown outage searching for a cause. For this circuit, we just had an abnormal amount that no cause was found.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Bonnieville9

**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)**

Mundfordville (2)

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

51.1

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

374

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

2015

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

Tree Related On R/W	53.14%
Tree Related Off R/W	26.74%
Unknown	7.24%
Other	6.12%
Animal	2.86%
Public	2.32%
Weather	0.79%
Planned	0.73%
Equipment Failure	0.06%

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

202.54

**10. REPORTING YEAR (SAIDI)**

230.41

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

1.748

**12. REPORTING YEAR (SAIFI)**

3.35

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

The largest SAIDI and SAIFI contributors were due to On R/W and Off R/W trees. This circuit is scheduled for clearing in 2025.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 1202**

**1. SUBSTATION NAME AND NUMBER**

Fox Hollow (12)

FoxHollow12

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

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

**3. CIRCUIT NAME AND NUMBER**

44 Market (2)

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

44 Market (2)

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

38.56

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

484

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

2020

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

Animal	90.38%
Equipment Failure	3.45%
Weather	2.54%
Tree Related On R/W	1.54%
Unknown	0.77%
Tree Related Off R/W	0.73%
Planned	0.57%
Public	0.02%

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

50.416

**10. REPORTING YEAR (SAIDI)**

307.2

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

0.54

**12. REPORTING YEAR (SAIFI)**

2.41

**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 Animal related outages. The largest SAIFI contributor was due to lightning during extraordinary storm events.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

FoxHollow12

**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)**

Lecta (3)

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

77.63

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

1051

**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 On R/W	49.91%
Tree Related Off R/W	38.11%
Weather	6.18%
Animal	2.63%
Public	2.16%
Unknown	0.79%
Planned	0.12%
Equipment Failure	0.10%

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

63.412

**10. REPORTING YEAR (SAIDI)**

109.91

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

0.684

**12. REPORTING YEAR (SAIFI)**

0.63

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

The largest SAIDI contributors were due to On R/W and Off R/W trees. We examined the circuit and found the issues to be isolated and not systemic. Specific conditions were related to storm events, yard trees with limited ability to trim, etc.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

BonAyr16

**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)**

Dripping Springs Rd (1)

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

22.83

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

331

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

2021

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

Weather	98.70%
Unknown	0.74%
Equipment Failure	0.29%
Tree Related On R/W	0.26%

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

35.312

**10. REPORTING YEAR (SAIDI)**

79.08

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

0.492

**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 and SAIFI contributor was due to lightning during extraordinary storm events.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: CIRCUIT REPORTING

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

#### **Circuit # 1603**

**1. SUBSTATION NAME AND NUMBER**

Bon Ayr (16)

BonAyr16

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

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

**3. CIRCUIT NAME AND NUMBER**

Park City (3)

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

Park City (3)

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

51.24

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

413

**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	57.33%
Equipment Failure	28.10%
Weather	13.44%
Unknown	0.80%
Tree Related On R/W	0.33%

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

107.88

**10. REPORTING YEAR (SAIDI)**

138.88

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

0.934

**12. REPORTING YEAR (SAIFI)**

1.24

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

None taken or to be taken. The largest SAIDI contributors were due to Off R/W trees and Equipment Failure. The largest SAIFI contributor was due to lightning during extraordinary storm events.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Jonesville17

**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 (2)

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

96.14

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

649

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

2014

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

Tree Related On R/W	60.36%
Weather	21.48%
Equipment Failure	6.09%
Animal	4.38%
Tree Related Off R/W	3.74%
Unknown	3.49%
Public	0.27%
Planned	0.18%

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

159.56

**10. REPORTING YEAR (SAIDI)**

272.13

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

1.684

**12. REPORTING YEAR (SAIFI)**

2.25

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

The largest SAIDI contributor was due to On R/W trees. A large portion of these outages occurred during storm events. This circuit's next cycle trim is scheduled for late 2025 or early 2026.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Roseville18

**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)**

Etoile (1)

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

111.97

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

609

**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	61.77%
Tree Related On R/W	31.33%
Unknown	2.82%
Weather	2.78%
Animal	0.95%
Equipment Failure	0.36%

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

113.48

**10. REPORTING YEAR (SAIDI)**

235.31

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

1.132

**12. REPORTING YEAR (SAIFI)**

1.83

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

None taken or to be taken. The largest contributors were due to Off R/W and On R/W trees. A large portion of these outages occurred during storm events. The largest SAIFI contributor was due to lightning during extraordinary storm events.



# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Roseville18

**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)**

State Park (2)

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

50.99

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

432

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

2018

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

Public	30.00%
Equipment Failure	24.56%
Weather	24.42%
Unknown	11.85%
Tree Related On R/W	6.44%
Planned	1.49%
Animal	1.24%

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

99.994

**10. REPORTING YEAR (SAIDI)**

103.61

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

1.01

**12. REPORTING YEAR (SAIFI)**

1.86

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

None taken or to be taken. The largest SAIDI contributors were Public caused and Equipment Failure related. The largest SAIFI contributor was due to lightning during extraordinary storm events.

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

---

### 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)

Roseville18

**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)**

Temple Hill (4)

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

34.21

**6. CUSTOMER COUNT FOR THIS CIRCUIT**

227

**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	34.77%
Tree Related On R/W	31.63%
Tree Related Off R/W	29.44%
Weather	4.15%

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

53.322

**10. REPORTING YEAR (SAIDI)**

224.33

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

0.57

**12. REPORTING YEAR (SAIFI)**

2.43

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

None taken or to be taken. The largest SAIDI contributors were Equipment Failure, On R/W trees, and Off R/W trees. A large portion of these outages occurred during storm events.

# Electric Distribution Utility Annual Reliability Report

---

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

**In 2025, 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 (392 miles)

- Munfordville (2) - Priceville (3)
- Munfordville (2) - Bonnieville (4)
- Munfordville (2) - Munfordville (7)
- Bonnieville (9) - Priceville (1)
- Bonnieville (9) -Munfordville (2)
- Jonesville (17) - Jonesville (2)
- Jonesville (17) - Seymour (3)
- Jonesville (17) - Munfordville (4)

**In 2025, Farmers RECC will work to spray with herbicide the following circuits.**

Right-of-way herbicide spraying (6289 miles)

- Munfordville (2) -Seymour (1)
- Munfordville (2) - Northtown (2)
- Munfordville (2) - Jonesville (5)
- Munfordville (2) - Cub Run (6)
- Jonesville (17) - Hammons ville (1)
- Seymour (11) - Uno (2)
- Seymour (11) - Bearwallow (3)
- Seymour (11) - Monroe (4)

**In 2025, 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

---

## SECTION 7: UTILITY COMMENTS