

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

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### SECTION 1: CONTACT INFORMATION

UTILITY NAME	<u>Grayson Rural Electric Coop. Corp.</u>
REPORT PREPARED BY	<u>Kyle Clevenger/Mark Hutchinson/Robert Brown</u>
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PHONE NUMBER OF PREPARER	<u>606-474-5136</u>

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### SECTION 2: REPORTING YEAR

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

T <sub>MED</sub>	<u>44.27</u>
FIRST DATE USED TO DETERMINE T <sub>MED</sub>	<u>1/1/2025</u>
LAST DATE USED TO DETERMINE T <sub>MED</sub>	<u>12/31/2025</u>
NUMBER OF MED IN REPORT YEAR	<u>0</u>

NOTE: Per IEEE T<sub>med</sub> 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: 15,683 TOTAL CIRCUITS 43

#### Excluding MED

	<b>5 YEAR AVERAGE</b>		<b>REPORTING YEAR</b>
SAIDI	<u>746.4</u>	SAIDI	<u>371.6</u>
SAIFI	<u>6.00</u>	SAIFI	<u>2.40</u>

#### Including MED

	<b>5 YEAR AVERAGE</b>		<b>REPORTING YEAR</b>
SAIDI	<u>607.1</u>	SAIDI	<u>371.6</u>
SAIFI	<u>8.20</u>	SAIFI	<u>2.42</u>

#### NOTES:

- 1) All durations indices (SAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year.
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) issued to define SAIDI, SAIFI and T<sub>MED</sub>

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Airport Road (Sub #12)
2. Located approximately 0.2 miles off Rt. 7 on Rt. 986
3. Feeder 3
4. North along Rt. 7 toward Grayson Lake
5. There are approximately 14.77 miles of primary line.
6. 79 active consumers.
7. Circuit was cut in 2014
8. Causes of last years outages:

100 Construction	1	7%
110 Maintenance	3	20%
410 Corrosion/abrasion of material/equipment	3	20%
430 Tree failure from overhang or dead tree without ice/snow	1	7%
431 Tree Failure-off ROW	5	33%
500 Lightning	1	7%
800 Other	1	7%
9. The 5 year average SAIDI is 621.46
10. The SAIDI for 2025 was 5.05
11. The 5 year average SAIFI is 2.83
12. The SAIFI for 2025 was 5.05
13. Outages on this circuit was due to trees and weather. We plan on utilizing our hot spot ROW crews to clear out any critical trees along the circuit. Animal guards are being installed on new construction and pole changes.

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Airport Road (Sub #12)
2. Located approximately 0.2 miles off Rt. 7 on Rt. 986
3. Feeder 2
4. Airport Road (Rt 986)
5. There are approximately 70 miles of primary line.
6. 521 active consumers.
7. Circuit was cut in 2015
8. Causes of last years outages:

100 Construction	3	4%
110 Maintenance	8	12%
300 Material or equipment fault/failure	7	10%
400 Decay/age of material/equipment	1	1%
420 Tree growth	2	3%
430 Tree failure from overhang or dead tree without ice/snow	4	6%
431 Tree Failure-off ROW	22	32%
500 Lightning	3	4%
590 Weather, other	5	7%
600 Small animal/bird	8	12%
730 Fire	1	1%
770 Consumer's Problem	1	1%
790 Public, other	1	1%
800 Other	1	1%
999 Cause unknown	2	3%
9. The 5 year average SAIDI is 305.16
10. The SAIDI for 2025 was 280.47
11. The 5 year average SAIFI is 2.2
12. The SAIFI for 2025 was 2.81
13. Off Right of way trees were the main cause of outages on this circuit. We plan on using a hot circuit cutting crew to cut hot spot vegetation areas.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Airport Road (Sub #12)
2. Located approximately 0.2 miles off Rt. 7 on Rt. 986
3. Feeder 1
4. South along Rt. 7 toward Elliott County
5. There are approximately 77.25 miles of primary line.
6. 523 active consumers.
7. Circuit was cut in 2015
8. Causes of last years outages:

000 Power supply	1	1%
100 Construction	1	1%
110 Maintenance	3	4%
300 Material or equipment fault/failure	31	38%
400 Decay/age of material/equipment	1	1%
420 Tree growth	1	1%
430 Tree failure from overhang or dead tree without ice/snow	1	1%
431 Tree Failure-off ROW	17	21%
500 Lightning	2	2%
590 Weather, other	6	7%
600 Small animal/bird	9	11%
610 Large animal	1	1%
790 Public, other	1	1%
800 Other	3	4%
999 Cause unknown	4	5%
9. The 5 year average SAIDI is 750.03
10. The SAIDI for 2025 was 479.04
11. The 5 year average SAIFI is 2.66
12. The SAIFI for 2025 was 3.95
13. Circuit had outages with weather and tree off ROW. A hot spot crew has cut from the sub out 1 mile on this circuit so far in 2025. The crew also is looking for dead trees off the ROW on the circuit as well. We are utilizing animal guards on all new construction and pole changes.

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Argentum (Sub #1)
2. Located on Rt. 7, 0.6 miles north of the junction of AA Highway.
3. Feeder 3
4. East Tygart Road
5. There are approximately 23.34 miles of primary line.
6. 245 active consumers.
7. Circuit was cut in 2020
8. Causes of last years outages:

100 Construction	1	8%
110 Maintenance	2	15%
300 Material or equipment fault/failure	2	15%
431 Tree Failure-off ROW	2	15%
600 Small animal/bird	5	38%
770 Consumer's Problem	1	8%
9. The 5 year average SAIDI is 288.06
10. The SAIDI for 2025 was 600.00
11. The 5 year average SAIFI is 2.00
12. The SAIFI for 2025 was 3.72
13. Small animal guards are added on all new construction or pole change outs. We plan on adding more animal guards in critical places along the circuit. This circuit will be sprayed by circuit crew in 2026.

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Sandy Hook (Sub #9)
2. Located on Bank Street in Sandy Hook
3. Feeder 3
4. Rt. 32 toward Isonville
5. There are approximately 33.54 miles of primary line.
6. 224 active consumers.
7. Circuit was cut in 2018
8. Causes of last years outages:

100 Construction	1	4%
110 Maintenance	4	15%
300 Material or equipment fault/failure	1	4%
431 Tree Failure-off ROW	9	35%
500 Lightning	5	19%
590 Weather, other	1	4%
600 Small animal/bird	2	8%
770 Consumer's Problem	1	4%
999 Cause unknown	2	8%
9. The 5 year average SAIDI is 278.45
10. The SAIDI for 2025 was 381.41
11. The 5 year average SAIFI is 2.13
12. The SAIFI for 2025 was 2.57
13. Pole replacements and some breakers has caused some outages on this circuit. Animal guards are being installed on new construction and pole replacements. In 2025 we have upgraded this circuit from the substation out 1 mile. A ROW crew has cut the circuit out in the first mile as well.

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Carter City (Sub #10)
2. Located approx 0.2 miles north of Jct of 474 on Rt. 2 & 7
3. Feeder 1
4. Sand Ridge to Adkins Loop
5. There are approximately 37.75 miles of primary line.
6. 226 active consumers.
7. Circuit was cut in 2025
8. Causes of last years outages:

100 Construction	2	5%
110 Maintenance	1	3%
300 Material or equipment fault/failure	15	38%
431 Tree Failure-off ROW	5	13%
470 Borrower crew cuts tree	7	18%
590 Weather, other	2	5%
600 Small animal/bird	6	15%
999 Cause unknown	1	3%
9. The 5 year average SAIDI is 293.41
10. The SAIDI for 2025 was 407.15
11. The 5 year average SAIFI is 1.85
12. The SAIFI for 2025 was 2.60
13. In late 2025 we strated cutting this circuit and plan of finishing in 2026. Animal guards are installed on new construction and pole change outs. Additional animal guards installed at critical locations along the circuit.

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Carter City (Sub #10)
2. Located approx 0.2 miles north of Jct of 474 on Rt. 2 & 7
3. Feeder 3
4. Smith Creek
5. There are approximately 24.6 miles of primary line.
6. 137 active consumers.
7. Circuit was cut in 2015
8. Causes of last years outages:

100 Construction	3	6%
110 Maintenance	1	2%
300 Material or equipment fault/failure	12	23%
400 Decay/age of material/equipment	2	4%
430 Tree failure from overhang or dead tree without ice/snow	1	2%
431 Tree Failure-off ROW	8	15%
470 Borrower crew cuts tree	15	29%
500 Lightning	2	4%
590 Weather, other	2	4%
600 Small animal/bird	6	12%
9. The 5 year average SAIDI is 361.40
10. The SAIDI for 2025 was 328.78
11. The 5 year average SAIFI is 2.10
12. The SAIFI for 2025 was 3.11
13. This circuit will be circuit cut in 2026. We had a hot spot crew working this circuit and took several outages due them cutting the trees. Dead off right way trees will be addressed as we go thru the circuit.

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Carter City (Sub #10)
2. Located approx 0.2 miles north of Jct of 474 on Rt. 2 & 7
3. Feeder 4
4. Rt. 2 & 7 North
5. There are approximately 68.46 miles of primary line.
6. 441 active consumers.
7. Circuit was cut in 2024
8. Causes of last years outages:

110 Maintenance	3	12%
300 Material or equipment fault/failure	2	8%
400 Decay/age of material/equipment	1	4%
431 Tree Failure-off ROW	10	38%
500 Lightning	2	8%
510 Wind, not trees	1	4%
600 Small animal/bird	6	23%
730 Fire	1	4%
9. The 5 year average SAIDI is 357.22
10. The SAIDI for 2025 was 316.27
11. The 5 year average SAIFI is 2.33
12. The SAIFI for 2025 was 2.40
13. This circuit was cut in 2024 and finished in 2025. Dead threes out of the right of way were cut if they posed a danger to the circuit. We install animal guards on new construction.

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Elliottville (Sub #7)
2. Located at the end of Fouch Rd of Rt. 32 near Elliottville
3. Feeder 1
4. Rt. 32 toward Elliott Co/ Wagoner Corner
5. There are approximately 62.9 miles of primary line.
6. 451 active consumers.
7. Circuit was cut in Spot cut only
8. Causes of last years outages:

110 Maintenance	8	20%
400 Decay/age of material/equipment	4	10%
430 Tree failure from overhang or dead tree without ice/snow	3	7%
431 Tree Failure-off ROW	5	12%
500 Lightning	4	10%
600 Small animal/bird	11	27%
700 Customer-caused	1	2%
710 Motor vehicle	2	5%
770 Consumer's Problem	1	2%
999 Cause unknown	2	5%
9. The 5 year average SAIDI is 94.48
10. The SAIDI for 2025 was 122.11
11. The 5 year average SAIFI is 0.86
12. The SAIFI for 2025 was 0.78
13. Small Animal Bird and Maintenance was the cause of most of the outages on this circuit. This entire substation was pole tested in 2024. We changed several poles on a work plan job on this circuit in 2025. Animal guards are being installed on all pole changes and new construction. We have also installed animal guards on poles with OCR's and Switches.

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Sandy Hook (Sub #9)
2. Located on Bank Street in Sandy Hook
3. Feeder 2
4. City of Sandy Hook
5. There are approximately 5.91 miles of primary line.
6. 294 active consumers.
7. Circuit was cut in 2020
8. Causes of last years outages:

110 Maintenance	6	30%
430 Tree failure from overhang or dead tree without ice/snow	1	5%
431 Tree Failure-off ROW	7	35%
470 Borrower crew cuts tree	1	5%
600 Small animal/bird	3	15%
9. The 5 year average SAIDI is 100.27
10. The SAIDI for 2025 was 385.62
11. The 5 year average SAIFI is 0.95
12. The SAIFI for 2025 was 2.78
13. Pole changes and Small animal bird were the cause of most of the outages on this circuit. . The pole changes are due to the testing results found by the pole testers. Animal guards are being installed on pole changes and new construction. We continue to install animal guards on poles with OCR's and Switches.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

Continued

1. Elliottville (Sub #7)
2. Located at the end of Fouch Rd of Rt. 32 near Elliottville
3. Feeder 3
4. CCC Trail to Bangor
5. There are approximately 96.63 miles of primary line.
6. 776 active consumers.
7. Circuit was cut in 2019
8. Causes of last years outages:

100 Construction	7	6%
110 Maintenance	26	22%
400 Decay/age of material/equipment	7	6%
420 Tree growth	1	1%
430 Tree failure from overhang or dead tree without ice/snow	3	3%
431 Tree Failure-off ROW	24	21%
500 Lightning	10	9%
510 Wind, not trees	2	2%
600 Small animal/bird	22	19%
690 Animal, other	1	1%
730 Fire	2	2%
770 Consumer's Problem	1	1%
790 Public, other	3	3%
800 Other	3	3%
999 Cause unknown	5	4%
9. The 5 year average SAIDI is 430.41
10. The SAIDI for 2025 was 959.00
11. The 5 year average SAIFI is 2.98
12. The SAIFI for 2025 was 6.40
13. Pole changes were the cause of most of the outages on this circuit. Also in 2024 and 2025, we have rebuilt and reconductored 4 miles of three phase line starting at the substation. This circuit is one of the longest circuits on our system with 45.2 miles of primary overhead running through the Daniel Boone National Forest.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Elliottville (Sub #7)
2. Located at the end of Fouch Rd of Rt. 32 near Elliottville
3. Feeder 4
4. Rt. 504
5. There are approximately 72.28 miles of primary line.
6. 441 active consumers.
7. Circuit was cut in 2019
8. Causes of last years outages:

000 Power supply	1	1%
100 Construction	1	1%
110 Maintenance	11	16%
190 Other planned	1	1%
400 Decay/age of material/equipment	12	18%
420 Tree growth	1	1%
431 Tree Failure-off ROW	16	24%
500 Lightning	4	6%
600 Small animal/bird	16	24%
690 Animal, other	1	1%
800 Other	2	3%
999 Cause unknown	2	3%
9. The 5 year average SAIDI is 182.93
10. The SAIDI for 2025 was 585.97
11. The 5 year average SAIFI is 1.19
12. The SAIFI for 2025 was 4.85
13. Pole changes were the cause of most of the outages on this circuit. This entire substation was pole tested in 2024. The pole changes are due to the testing results on each circuit. Animal guards are being installed on pole changes and new construction. We continue to put animal guards on critical assets as well as new construction and pole changes.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Leon (Sub #2)
2. The sub is located on Rt. 1661 approximately 1.8 miles from Jct Rt. 7
3. Feeder 1
4. North Rt. 7 toward Grayson
5. There are approximately 13.3 miles of primary line.
6. 176 active consumers.
7. Circuit was cut in 2025
8. Causes of last years outages:

100 Construction	1	6%
110 Maintenance	2	12%
300 Material or equipment fault/failure	1	6%
431 Tree Failure-off ROW	1	6%
470 Borrower crew cuts tree	7	41%
600 Small animal/bird	3	18%
770 Consumer's Problem	1	6%
800 Other	1	6%
9. The 5 year average SAIDI is 194.80
10. The SAIDI for 2025 was 124.37
11. The 5 year average SAIFI is 1.89
12. The SAIFI for 2025 was 2.06
13. This circuit was cut in 2025 . Small animal guards placed on poles for new construction and pole changes.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Leon (Sub #2)
2. The sub is located on Rt. 1661 approximately 1.8 miles from Jct Rt. 7
3. Feeder 2
4. Four Mile toward Adkins Loop
5. There are approximately 32.1 miles of primary line.
6. 224 active consumers.
7. Circuit was cut in 2015
8. Causes of last years outages:

100 Construction	1	2%
110 Maintenance	7	14%
300 Material or equipment fault/failure	3	6%
400 Decay/age of material/equipment	2	4%
420 Tree growth	2	4%
431 Tree Failure-off ROW	10	20%
470 Borrower crew cuts tree	3	6%
500 Lightning	2	4%
590 Weather, other	1	2%
600 Small animal/bird	15	31%
800 Other	1	2%
999 Cause unknown	2	4%
9. The 5 year average SAIDI is 510.90
10. The SAIDI for 2025 was 347.33
11. The 5 year average SAIFI is 2.76
12. The SAIFI for 2025 was 4.50
13. Circuit was out for weather twice and a tree off ROW. We continue to utilize our hot spot circuit crew to cut the ROW in needed areas. This circuit is on the list to start circuit cutting in late 2026 into 2027. We have installed animal guards on critical assets along the circuit.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Leon (Sub #2)
2. The sub is located on Rt. 1661 approximately 1.8 miles from Jct Rt. 7
3. Feeder 3
4. South Rt. 7 toward Lake
5. There are approximately 25.17 miles of primary line.
6. 261 active consumers.
7. Circuit was cut in 2025
8. Causes of last years outages:

100 Construction	2	3%
110 Maintenance	13	21%
420 Tree growth	2	3%
431 Tree Failure-off ROW	7	11%
500 Lightning	4	6%
590 Weather, other	13	21%
600 Small animal/bird	17	27%
610 Large animal	1	2%
700 Customer-caused	1	2%
999 Cause unknown	3	5%
9. The 5 year average SAIDI is 270.87
10. The SAIDI for 2025 was 343.98
11. The 5 year average SAIFI is 2.65
12. The SAIFI for 2025 was 4.15
13. Circuit has several outages from trees off the ROW. We started this circuit in 2025 and will finish early 2026. Animal guards are being installed on new construction and pole changes.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Low Gap (Sub #11)
2. Located just off Rt. 2 approximately 1 mile from the junction of Rt. 1459
3. Feeder 1
4. Rt. 2 toward North Fork/Warnock Sub
5. There are approximately 6.87 miles of primary line.
6. 88 active consumers.
7. Circuit was cut in 2014
8. Causes of last years outages:

420 Tree growth	1	7%
430 Tree failure from overhang or dead tree without ice/snow	1	7%
431 Tree Failure-off ROW	4	29%
470 Borrower crew cuts tree	1	7%
500 Lightning	3	21%
600 Small animal/bird	4	29%
9. The 5 year average SAIDI is 33.69
10. The SAIDI for 2025 was 126.97
11. The 5 year average SAIFI is 0.71
12. The SAIFI for 2025 was 1.36
13. Circuit had several outages due to off ROW trees. We have a Hot Circuit ROW crew on this circuit cutting out overgrown vegetation. We plan to circuit cut this substation this circuit in 2026. We continue to use animal guards on new construction and pole changes.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

Continued

1. Low Gap (Sub #11)
2. Located just off Rt. 2 approximately 1 mile from the junction of Rt. 1459
3. Feeder 2
4. Rt. 2 toward Whetstone/River Park
5. There are approximately 45.22 miles of primary line.
6. 686 active consumers.
7. Circuit was cut in 2010
8. Causes of last years outages:

100 Construction	1	1%
110 Maintenance	10	11%
300 Material or equipment fault/failure	5	5%
420 Tree growth	4	4%
430 Tree failure from overhang or dead tree without ice/snow	1	1%
431 Tree Failure-off ROW	39	41%
470 Borrower crew cuts tree	2	2%
500 Lightning	14	15%
590 Weather, other	1	1%
600 Small animal/bird	11	12%
700 Customer-caused	2	2%
710 Motor vehicle	2	2%
800 Other	1	1%
999 Cause unknown	1	1%
9. The 5 year average SAIDI is 305.41
10. The SAIDI for 2025 was 408.05
11. The 5 year average SAIFI is 2.29
12. The SAIFI for 2025 was 2.22
13. Tree failure off ROW and Weather was the highest cause of outages on this circuit. We will utilize a Circuit ROW crew for clearing out all the vegetation on the circuit. Animal guards are being used on pole changes and new construction. We are currently rebuilding a mile and a half of line on this circuit. We plan on cutting this circuit in the summer of 2026.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Mazie (Sub #4)
2. Located approximately 11.5 miles east of Sandy Hook on Rt. 32.
3. Feeder 1
4. Rt. 32 toward Isonville
5. There are approximately 60.56 miles of primary line.
6. 411 active consumers.
7. Circuit was cut in 2018
8. Causes of last years outages:

100 Construction	2	4%
110 Maintenance	7	13%
300 Material or equipment fault/failure	1	2%
400 Decay/age of material/equipment	1	2%
420 Tree growth	4	7%
430 Tree failure from overhang or dead tree without ice/snow	3	6%
431 Tree Failure-off ROW	23	43%
470 Borrower crew cuts tree	2	4%
500 Lightning	1	2%
590 Weather, other	5	9%
600 Small animal/bird	3	6%
790 Public, other	1	2%
800 Other	1	2%
9. The 5 year average SAIDI is 716.78
10. The SAIDI for 2025 was 1046.85
11. The 5 year average SAIFI is 4.09
12. The SAIFI for 2025 was 6.37
13. We plan on cutting this circuit in 2026. Currently there are hot spot crews working this circuit to prevent trees off ROW and high vegetation areas. We plan on pole testing this circuit in 2026.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Mazie (Sub #4)
2. Located approximately 11.5 miles east of Sandy Hook on Rt. 32.
3. Feeder 2
4. Rt. 32 toward Blaine
5. There are approximately 92.22 miles of primary line.
6. 584 active consumers.
7. Circuit was cut in 2014
8. Causes of last years outages:

100 Construction	1	1%
110 Maintenance	6	5%
300 Material or equipment fault/failure	13	11%
420 Tree growth	1	1%
430 Tree failure from overhang or dead tree without ice/snow	1	1%
431 Tree Failure-off ROW	30	25%
470 Borrower crew cuts tree	1	1%
500 Lightning	5	4%
590 Weather, other	38	31%
600 Small animal/bird	9	7%
770 Consumer's Problem	1	1%
790 Public, other	2	2%
800 Other	6	5%
999 Cause unknown	8	7%
9. The 5 year average SAIDI is 546.41
10. The SAIDI for 2025 was 1219.12
11. The 5 year average SAIFI is 3.29
12. The SAIFI for 2025 was 6.62
13. Off rightof way trees are the main cause of outages. Squirrell guards are installed on construction. We have a hot spot ROW crew working this circuit as well.

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## SECTION 5: CIRCUIT REPORTING

### Continued

1. Mazie (Sub #4)
2. Located approximately 11.5 miles east of Sandy Hook on Rt. 32.
3. Feeder 3
4. Across hill toward Terryville
5. There are approximately 21.27 miles of primary line.
6. 124 active consumers.
7. Circuit was cut in 2019
8. Causes of last years outages:

110 Maintenance	3	19%
431 Tree Failure-off ROW	2	13%
590 Weather, other	6	38%
600 Small animal/bird	2	13%
9. The 5 year average SAIDI is 490.69
10. The SAIDI for 2025 was 1085.1
11. The 5 year average SAIFI is 2.86
12. The SAIFI for 2025 was 2.84
13. Weather was the main cause of outages. Hot spot ROW crews are working the area to keep vegetation from overgrown areas.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Pactolus (Sub #8)
2. Located on Subsation Road about 0.4 miles south of Jct of Rt. 9 and 1959
3. Feeder 4
4. Rt. 1 toward Oldtown
5. There are approximately 68.18 miles of primary line.
6. 618 active consumers.
7. Circuit was cut in 2015
8. Causes of last years outages:

100 Construction	3	6%
110 Maintenance	6	12%
300 Material or equipment fault/failure	1	2%
400 Decay/age of material/equipment	1	2%
420 Tree growth	1	2%
431 Tree Failure-off ROW	14	27%
440 Trees with ice/snow	1	2%
490 Maintenance, other	1	2%
500 Lightning	3	6%
600 Small animal/bird	13	25%
740 Public cuts tree	1	2%
770 Consumer's Problem	1	2%
790 Public, other	2	4%
800 Other	1	2%
999 Cause unknown	2	4%
9. The 5 year average SAIDI is 174.24
10. The SAIDI for 2025 was 538.97
11. The 5 year average SAIFI is 1.61
12. The SAIFI for 2025 was 1.55
13. Small animal bird and off ROW trees were the highest outage cause on this circuit. We continue to put animal guards on critical assets, and placing them on new construction and pole changes. A hot spot crew will be used to cut out the high vegetation areas.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

Continued

1. Pactolus (Sub #8)
2. Located on Subsation Road about 0.4 miles south of Jct of Rt. 9 and 1959
3. Feeder 2
4. Along 1947/Sunset Hill/Radio Station
5. There are approximately 14.8 miles of primary line.
6. 279 active consumers.
7. Circuit was cut in 2009
8. Causes of last years outages:

100 Construction	1	4%
110 Maintenance	1	4%
300 Material or equipment fault/failure	2	7%
400 Decay/age of material/equipment	1	4%
420 Tree growth	1	4%
431 Tree Failure-off ROW	2	7%
470 Borrower crew cuts tree	1	4%
500 Lightning	4	15%
510 Wind, not trees	1	4%
590 Weather, other	2	7%
600 Small animal/bird	10	37%
999 Cause unknown	1	4%
9. The 5 year average SAIDI is 114.37
10. The SAIDI for 2025 was 200.04
11. The 5 year average SAIFI is 1.36
12. The SAIFI for 2025 was 3.50
13. Small animal and weather was the most caused outages on this circuit. We started using a hot spot ROW crew in December 2025 to cut out the longer single phase taps and any high vegetation areas. Animal guards are being installed on new construction'pole changes and under critical assets like OCR's and Switches.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

Continued

1. Newfoundland (Sub #3)
2. Located on Rt. 32 just south of the Junction of Rt. 7
3. Feeder 3
4. follows Rt. 32 to Sandy Hook
5. There are approximately 16.9 miles of primary line.
6. 230 active consumers.
7. Circuit was cut in 2016
8. Causes of last years outages:

000 Power supply	1	2%
100 Construction	2	3%
110 Maintenance	9	15%
300 Material or equipment fault/failure	1	2%
400 Decay/age of material/equipment	3	5%
420 Tree growth	6	10%
430 Tree failure from overhang or dead tree without ice/snow	1	2%
431 Tree Failure-off ROW	14	23%
500 Lightning	7	11%
520 Ice, sleet, frost, not trees	1	2%
590 Weather, other	5	8%
600 Small animal/bird	3	5%
790 Public, other	1	2%
800 Other	1	2%
999 Cause unknown	7	11%
9. The 5 year average SAIDI is 182.27
10. The SAIDI for 2025 was 289.63
11. The 5 year average SAIFI is 1.75
12. The SAIFI for 2025 was 1.97
13. Off Right of Way trees caused most outages on this circuit. We plan on having Hot Spot ROW crew cut out the high vegetation areas.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Newfoundland (Sub #3)
2. Located on Rt. 32 just south of the Junction of Rt. 7
3. Feeder 3
4. follows Rt. 32 to Sandy Hook
5. There are approximately 16.9 miles of primary line.
6. 230 active consumers.
7. Circuit was cut in 2016
8. Causes of last years outages:

410 Corrosion/abrasion of material/equipment	1	9%
420 Tree growth	1	9%
431 Tree Failure-off ROW	2	18%
500 Lightning	1	9%
600 Small animal/bird	3	27%
790 Public, other	1	9%
999 Cause unknown	2	18%
9. The 5 year average SAIDI is 73.55
10. The SAIDI for 2025 was 44.81
11. The 5 year average SAIFI is .61
12. The SAIFI for 2025 was .31
13. Small animal bird and Weather was the most outages for this circuit. We are currently installing animal guards on poles where we have had outages related to small animal bird. We are also installing animal guards on new construction and pole changes.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Sandy Hook (Sub #9)
2. Located on Bank Street in Sandy Hook
3. Feeder 1
4. Rt. 7 South/Rt 173
5. There are approximately 72.24 miles of primary line.
6. 586 active consumers.
7. Circuit was cut in 2016
8. Causes of last years outages:

100 Construction	1	3%
110 Maintenance	4	14%
300 Material or equipment fault/failure	1	3%
400 Decay/age of material/equipment	1	3%
420 Tree growth	2	7%
431 Tree Failure-off ROW	7	24%
500 Lightning	1	3%
520 Ice, sleet, frost, not trees	1	3%
600 Small animal/bird	8	28%
700 Customer-caused	1	3%
770 Consumer's Problem	1	3%
999 Cause unknown	1	3%
9. The 5 year average SAIDI is 134.36
10. The SAIDI for 2025 was 155.65
11. The 5 year average SAIFI is .67
12. The SAIFI for 2025 was .81
13. Squirrel guards are installed to protect from causing outages on all new construction and OCR's and Switches. We have a hot spot crew working the circuit to keep down overgrown vegetation.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

Continued

1. Warnock (Sub #6)
2. Located on Hoods Run Road located 1.7 miles from Jct of Rt. 7 & 2 off Rt. 2
3. Feeder 1
4. North to gas plant
5. There are approximately 65.09 miles of primary line.
6. 446 active consumers.
7. Circuit was cut in 2023
8. Causes of last years outages:

000 Power supply	1	2%
100 Construction	1	2%
110 Maintenance	5	11%
300 Material or equipment fault/failure	1	2%
320 Conductor sag or inadequate clearance	1	2%
400 Decay/age of material/equipment	1	2%
420 Tree growth	1	2%
430 Tree failure from overhang or dead tree without ice/snow	2	4%
431 Tree Failure-off ROW	16	35%
500 Lightning	2	4%
600 Small animal/bird	10	22%
610 Large animal	3	7%
770 Consumer's Problem	1	2%
800 Other	1	2%
9. The 5 year average SAIDI is 189.07
10. The SAIDI for 2025 was 285.39
11. The 5 year average SAIFI is 1.32
12. The SAIFI for 2025 was 2.26
13. Off Right of Way trees were the main cause of outages. In 2026 a spary crew will spray the entire circuit.

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

Continued

1. Warnock (Sub #6)
2. Located on Hoods Run Road located 1.7 miles from Jct of Rt. 7 & 2 off Rt. 2
3. Feeder 2
4. Rt. 2 to Greenbo
5. There are approximately 7.36 miles of primary line.
6. 51 active consumers.
7. Circuit was cut in 2024
8. Causes of last years outages:

110 Maintenance	1	8%
400 Decay/age of material/equipment	1	8%
431 Tree Failure-off ROW	5	42%
500 Lightning	1	8%
590 Weather, other	2	17%
600 Small animal/bird	2	17%
9. The 5 year average SAIDI is 290.10
10. The SAIDI for 2025 was 388.10
11. The 5 year average SAIFI is 2.66
12. The SAIFI for 2025 was 3.51
13. The circuit was cut completely by December of 2024. The dead trees off of the ROW were cut along the circuit also. We still had some tress out of the right of way fall and cause outages. We plan on spraying the entire circuit this year.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

Continued

1. Warnock (Sub #6)
2. Located on Hoods Run Road located 1.7 miles from Jct of Rt. 7 & 2 off Rt. 2
3. Feeder 3
4. North Fork to Rt. 207
5. There are approximately 45.9 miles of primary line.
6. 355 active consumers.
7. Circuit was cut in 2022
8. Causes of last years outages:

100 Construction	1	1%
110 Maintenance	3	4%
300 Material or equipment fault/failure	3	4%
360 Other equipment installation/design	1	1%
400 Decay/age of material/equipment	5	6%
430 Tree failure from overhang or dead tree without ice/snow	15	18%
431 Tree Failure-off ROW	23	27%
500 Lightning	1	1%
600 Small animal/bird	15	18%
610 Large animal	2	2%
730 Fire	1	1%
790 Public, other	1	1%
999 Cause unknown	13	15%
9. The 5 year average SAIDI is 479.86
10. The SAIDI for 2025 was 876.21
11. The 5 year average SAIFI is 3.41
12. The SAIFI for 2025 was 6.32
13. Circuit had the most outages with tree off ROW. We are utilizing a hot spot crew to cut the areas that vegetation is causing the issues, and are replacing or have replaced the aging poles and equipment along the circuit. We will have a spray crew working the entire circuit this year.

## SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

### INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional pages may be attached as needed.

In 2025 our circuit crew cut 25 miles of line on Leon 3. We also finished cutting 68.5 miles of line on Carter City Feeder 4 early in 2025, and 24 miles on Carter City Feeder 3. We plan on cutting Mazie circuit 1, Lowgap circuits 2 and 3, Leon circuit 3 for 2026. Grayson has 5 tree crews that work hot spots and new construction were needed. We also plan to spray 191 miles of line on all the Warnock circuits and 161 miles of line on all the Argentum circuits.

## SECTION 7: UTILITY COMMENTS

We continue to battle the small animals and birds along with off right of way trees. We continue to address both issues and continue to look for solutions that will reduce the number of outages that are caused by these issues. We plan on using the animal guards on new construction and on any pole with vital assets. Grayson has also invested in new technology off our outage management system. This will allow the service men to see a map of our service territory and the ability to see the consumers that have called in to dispatch with an outage in an effort to cut down on outage times.