

KENTUCKY PUBLIC SERVICE COMMISSION
ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 1: CONTACT INFORMATION

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| UTILITY NAME | LOUISVILLE GAS AND ELECTRIC |
| REPORT PREPARED BY | Karmen Powell (Mgr Investment Strategy & Reliability) |
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SECTION 2: REPORTING YEAR

| | |
|-------------------------|------|
| CALENDAR YEAR OF REPORT | 2023 |
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SECTION 3: MAJOR EVENT DAYS (MED)

| | |
|--|------------|
| | T_{MED} |
| FIRST DATE USED TO DETERMINE T_{MED} | 3.328 |
| LAST DATE USED TO DETERMINE T_{MED} | 1/1/2018 |
| NUMBER OF MED IN REPORTING YEAR | 12/31/2022 |
| | 14 |

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

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

| | |
|--------------------------------|---------------------------|
| TOTAL CUSTOMERS <u>445,693</u> | TOTAL CIRCUITS <u>630</u> |
|--------------------------------|---------------------------|

Excluding MED

| | 5 YEAR AVERAGE | | REPORTING YEAR |
|-------|-----------------------|-------|-----------------------|
| SAIDI | <u>74.95</u> | SAIDI | <u>68.13</u> |
| SAIFI | <u>0.863</u> | SAIFI | <u>0.675</u> |

Including MED

| | 5 YEAR AVERAGE | | REPORTING YEAR |
|-------|-----------------------|-------|-----------------------|
| SAIDI | <u>336.83</u> | SAIDI | <u>1,161.04</u> |
| SAIFI | <u>1.149</u> | SAIFI | <u>1.430</u> |

Notes:

- 1) All duration indices (SAIDI) 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, and T_{MED}
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SECTION 5: CIRCUIT REPORTING

BEGIN ON NEXT PAGE

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1202
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greentree Ln & Dixie Hwy - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,905
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 3.5%
- Non-Company- 0.1%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 76.4%
- Trees- 13.9%
- Utility Equipment- 5.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.00

10.) **2023 SAIDI** 42.28

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61

12.) **2023 SAIFI** 0.84

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,238
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.1%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 9.8%
- Trees- 87.5%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.07

10.) **2023 SAIDI** 163.25

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.87

12.) **2023 SAIFI** 1.73

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Valley Station Rd & Dodge Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,216
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 71.7%
- Trees- 22.1%
- Utility Equipment- 3.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.04

10.) **2023 SAIDI** 121.30

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.32

12.) **2023 SAIFI** 1.68

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

Reliability Improvements Completed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1206
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Valley Station Rd & 3rd St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,411
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 70.4%
- Trees- 7.2%
- Utility Equipment- 18.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.08

10.) **2023 SAIDI** 89.29

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.77

12.) **2023 SAIFI** 0.94

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,628
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/24/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.5%
- Overload- 0.0%
- Planned Work- 26.2%
- Trees- 65.9%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.56

10.) **2023 SAIDI** 59.28

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2023 SAIFI** 0.79

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,383
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 86.6%
- Trees- 9.0%
- Utility Equipment- 4.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.24

10.) **2023 SAIDI** 90.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.53

12.) **2023 SAIFI** 0.57

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Shelbyville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 489
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 87.5%
- Trees- 11.9%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.63

10.) **2023 SAIDI** 155.96

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66

12.) **2023 SAIFI** 0.70

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1295
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N English Station Rd & Avoca Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 954
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/29/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 91.5%
- Trees- 5.8%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.28

10.) **2023 SAIDI** 161.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66

12.) **2023 SAIFI** 1.99

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1296
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - ShelbyvilleRd & N Beckley Station - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 36.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,599
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/08/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 26.1%
- Utility Equipment- 69.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.69

10.) **2023 SAIDI** 80.24

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31

12.) **2023 SAIFI** 0.41

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

Tree Trim Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1373
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 12 St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 983
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 99.9%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 140.36

10.) **2023 SAIDI** 225.64

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00

12.) **2023 SAIFI** 1.94

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1441
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bernheim Ln & 7th St Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 46
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.18

10.) **2023 SAIDI** 46.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50

12.) **2023 SAIFI** 0.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBOTTOM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8113 Grade Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AS1417
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 23
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 95.9%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.54

10.) **2023 SAIDI** 163.66

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRANDENBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - Weldon Church Rd. - Brandenburg
- 3.) **CIRCUIT NAME AND NUMBER** BB1102
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Brandenburg - E Broadway St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 841
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 28.9%
- Overload- 0.0%
- Planned Work- 58.6%
- Trees- 1.8%
- Utility Equipment- 10.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.11

10.) **2023 SAIDI** 148.08

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.30

12.) **2023 SAIFI** 1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1217
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Robarus Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 68
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.4%
- Overload- 0.0%
- Planned Work- 17.1%
- Trees- 13.2%
- Utility Equipment- 66.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.47

10.) **2023 SAIDI** 45.82

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29

12.) **2023 SAIFI** 0.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1220
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Popular Level Rd. & Gilmore Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,107
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 36.2%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 23.8%
- Trees- 6.1%
- Utility Equipment- 27.9%
- Vehicle- 0.0%

| | |
|--|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 48.94 |
| 10.) 2023 SAIDI | 67.48 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.60 |
| 12.) 2023 SAIFI | 0.67 |

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1221
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Robards Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 64
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 24.0%
- Trees- 46.7%
- Utility Equipment- 26.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.20

10.) **2023 SAIDI** 45.21

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18

12.) **2023 SAIFI** 0.22

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** BISHOP
2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
3.) **CIRCUIT NAME AND NUMBER** BI1223
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bishop Ln & Gilmore Ln - SW of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.8
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 67
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

8.) **2023 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 3.9%
Overload- 0.0%
Planned Work- 35.2%
Trees- 0.0%
Utility Equipment- 60.9%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 70.06

10.) **2023 SAIDI** 241.50

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45

12.) **2023 SAIFI** 1.19

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** BISHOP

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville

3.) **CIRCUIT NAME AND NUMBER** BI1224

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Popular Level Rd & Preston Hwy - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,219

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

8.) **2023 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.2%

Non-Company- 0.2%

Other/Unknown- 1.2%

Overload- 0.0%

Planned Work- 50.9%

Trees- 41.2%

Utility Equipment- 6.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.02

10.) **2023 SAIDI** 58.94

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73

12.) **2023 SAIFI** 0.32

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** BROOK

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 913 S 1st Street - Louisville

3.) **CIRCUIT NAME AND NUMBER** BK0001

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 1st St - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 172

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2023 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 4.7%

Overload- 0.0%

Planned Work- 24.1%

Trees- 0.0%

Utility Equipment- 71.2%

Vehicle- 0.0%

| | |
|--|--------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 94.30 |
| 10.) 2023 SAIDI | 248.93 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.81 |
| 12.) 2023 SAIFI | 2.39 |

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BROOK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 913 S 1st Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BK0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Brook St & S Floyd St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 195
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.5%
- Utility Equipment- 99.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.89

10.) **2023 SAIDI** **39.60**

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43

12.) **2023 SAIFI** **1.06**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1179
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,110
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/14/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 47.2%
- Trees- 47.5%
- Utility Equipment- 4.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.42

10.) **2023 SAIDI** 76.62

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.96

12.) **2023 SAIFI** 0.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1180
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dutchmans Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 545
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 4.4%
- Non-Company- 0.0%
- Other/Unknown- 4.4%
- Overload- 0.0%
- Planned Work- 57.1%
- Trees- 31.8%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.14

10.) **2023 SAIDI** 116.54

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.08

12.) **2023 SAIFI** 1.43

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1186
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Richland Dr & Hunsinger Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,670
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 32.6%
- Overload- 0.0%
- Planned Work- 30.0%
- Trees- 29.4%
- Utility Equipment- 8.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 70.94

10.) **2023 SAIDI** 73.06

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83

12.) **2023 SAIFI** 0.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1352
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brekenridge Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 106
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 5.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 55.3%
- Trees- 0.0%
- Utility Equipment- 39.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.03

10.) **2023 SAIDI** 154.17

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82

12.) **2023 SAIFI** 1.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1304
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave & S 20th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,539
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 19.4%
- Other/Unknown- 58.4%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 9.3%
- Utility Equipment- 12.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 137.65

10.) **2023 SAIDI** 358.21

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.68

12.) **2023 SAIFI** 2.67

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1306
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,337
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.7%
- Utility Equipment- 99.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 106.28

10.) **2023 SAIDI** 114.13

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.26

12.) **2023 SAIFI** 1.78

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1341
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Market St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,069
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 6.7%
- Non-Company- 0.0%
- Other/Unknown- 66.9%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 25.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 235.87

10.) **2023 SAIDI** 309.49

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.50

12.) **2023 SAIFI** 3.63

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1343
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Chestnut St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 13
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 100.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.32

10.) **2023 SAIDI** 53.13

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62

12.) **2023 SAIFI** 1.00

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** CLARKS LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 934 Clarks Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CK0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clarks Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 150
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 56.1%
- Trees- 41.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.93

10.) **2023 SAIDI** 305.81

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55

12.) **2023 SAIFI** 1.91

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** CLARKS LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 934 Clarks Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CK0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pindell Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 246
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 68.0%
- Trees- 30.9%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.27

10.) **2023 SAIDI** 260.61

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62

12.) **2023 SAIFI** 1.97

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Clifton Ave, & Ewing Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 648
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.8%
- Overload- 0.0%
- Planned Work- 17.3%
- Trees- 0.0%
- Utility Equipment- 73.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.58

10.) **2023 SAIDI** 79.26

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68

12.) **2023 SAIFI** 1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1229
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Hite Ave, Birchwood Ave, & Cleveland Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,678
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/17/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 27.1%
- Non-Company- 0.0%
- Other/Unknown- 3.9%
- Overload- 0.0%
- Planned Work- 56.1%
- Trees- 12.5%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.30

10.) **2023 SAIDI** 20.03

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29

12.) **2023 SAIFI** 0.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1230
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave, Shiloh Ave, & River Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,094
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 2.8%
- Non-Company- 2.0%
- Other/Unknown- 9.9%
- Overload- 0.0%
- Planned Work- 58.7%
- Trees- 23.7%
- Utility Equipment- 2.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.83

10.) **2023 SAIDI** 139.55

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81

12.) **2023 SAIFI** 1.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1231
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Payne St, Grinstead Dr, & Lexington Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 671
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 8.5%
- Construction- 0.0%
- Lightning- 19.3%
- Non-Company- 4.5%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 34.1%
- Trees- 27.8%
- Utility Equipment- 5.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.60

10.) **2023 SAIDI** 44.40

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26

12.) **2023 SAIFI** 0.41

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1232
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Story Ave, & E Main St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,907
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 3.2%
- Non-Company- 0.0%
- Other/Unknown- 51.9%
- Overload- 1.4%
- Planned Work- 12.1%
- Trees- 29.5%
- Utility Equipment- 1.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.29

10.) **2023 SAIDI** 44.84

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69

12.) **2023 SAIFI** 0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1402
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave & Zorn Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 10
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 16.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 42.1%
- Trees- 37.5%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.28

10.) **2023 SAIDI** 89.77

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54

12.) **2023 SAIFI** 0.95

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1403
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Payne St, Spring St, & Story Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 25.3%
- Utility Equipment- 74.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 380.45

10.) **2023 SAIDI** 1694.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1404
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - None - In Sub
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.82

10.) **2023 SAIDI** 120.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1405
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave, River Rd, & River Green Cir - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 86
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 3.0%
- Lightning- 53.2%
- Non-Company- 6.2%
- Other/Unknown- 5.6%
- Overload- 0.0%
- Planned Work- 4.8%
- Trees- 23.7%
- Utility Equipment- 3.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 213.47

10.) **2023 SAIDI** 342.36

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.55

12.) **2023 SAIFI** 2.83

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1195
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Collins Ln, Westport Rd, & Northumberland Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,135
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.9%
- Non-Company- 0.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 30.5%
- Trees- 54.4%
- Utility Equipment- 10.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.27

10.) **2023 SAIDI** 122.50

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.79

12.) **2023 SAIFI** 1.23

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANE RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5252 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CR1420
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd - At Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 30
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 79.9%
- Overload- 0.0%
- Planned Work- 12.0%
- Trees- 6.7%
- Utility Equipment- 1.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.51

10.) **2023 SAIDI** 341.57

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.74

12.) **2023 SAIFI** 1.92

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANE RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5252 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CR1421
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Elmwood St, Lees Ln, & Campground Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 13.5%
- Utility Equipment- 86.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.00

10.) **2023 SAIDI** 115.78

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20

12.) **2023 SAIFI** 0.67

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANE RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5252 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CR1422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - No Road - At Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 6
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.56

10.) **2023 SAIDI** 79.27

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.47

12.) **2023 SAIFI** 0.67

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

Continue to Monitor

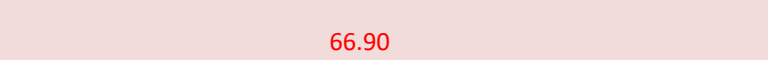
| | |
|--|---|
| 1.) SUBSTATION NAME AND NUMBER | CONESTOGA |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) | Bullitt - 1365 N Buckman St. - Shepherdsville |
| 3.) CIRCUIT NAME AND NUMBER | CS1261 |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) | Shepherdsville - I 65 S, HWY 44, & Joe B Hall Ave - S of Substation |
| 5.) TOTAL CIRCUIT LENGTH (MILES) | 6.5 |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT | 232 |
| 7.) DATE OF LAST CIRCUIT TRIM (VM) | 05/15/2021 |

8.) 2023 OUTAGES BY CAUSE

| | |
|--------------------|-------|
| Animal- | 1.3% |
| Construction- | 2.2% |
| Lightning- | 0.0% |
| Non-Company- | 0.0% |
| Other/Unknown- | 0.0% |
| Overload- | 0.0% |
| Planned Work- | 0.0% |
| Trees- | 9.4% |
| Utility Equipment- | 87.1% |
| Vehicle- | 0.0% |

| | |
|------------------------------------|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 31.70 |
|------------------------------------|-------|

10.) 2023 SAIDI



11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.33

12.) 2023 SAIFI

0.30

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CARTER

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville

3.) **CIRCUIT NAME AND NUMBER** CT0001

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 22nd St & Griffiths Ave - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 354

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2023

8.) **2023 OUTAGES BY CAUSE**

Animal- 1.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 81.9%

Trees- 16.8%

Utility Equipment- 0.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.21

10.) **2023 SAIDI** 5.53

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14

12.) **2023 SAIFI** 0.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CT0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave & N 20th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 43
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2023
- 8.) **2023 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 100.0%

Vehicle- 0.0%

| | |
|--|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 8.06 |
| 10.) 2023 SAIDI | 20.97 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.19 |
| 12.) 2023 SAIFI | 0.26 |

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRESTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1223
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - Floydsburg Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 46
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 99.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

| | |
|--|--------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 46.30 |
| 10.) 2023 SAIDI | 171.76 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.39 |
| 12.) 2023 SAIFI | 1.02 |

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRESTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1224
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - W HWY 146, Glenarm Rd, & Fox Run Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,962
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 88.2%
- Trees- 1.1%
- Utility Equipment- 10.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.43

10.) **2023 SAIDI** 25.10

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46

12.) **2023 SAIFI** 1.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRESTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1225
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - Hwy 146, Muirs Ln, Elm Ave, & Hwy 362 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,529
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 2.4%
- Non-Company- 0.0%
- Other/Unknown- 12.2%
- Overload- 0.0%
- Planned Work- 81.3%
- Trees- 2.5%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.28

10.) **2023 SAIDI** 66.07

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71

12.) **2023 SAIFI** 1.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1482
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, E Broadway, Logan St, Chestnut St, & Preston St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 34
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/17/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 29.6%
- Overload- 0.0%
- Planned Work- 13.7%
- Trees- 56.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.06

10.) **2023 SAIDI** 147.78

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39

12.) **2023 SAIFI** 1.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1484
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jackson St, Jacob St, Floyd St, & 1st St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 59
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/17/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 4.6%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 68.4%
- Trees- 26.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 103.15

10.) **2023 SAIDI** 173.84

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00

12.) **2023 SAIFI** 1.89

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1486
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Caldwell St, Logan St, Jackson St, Goss Ave, & Ash St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,593
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/17/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 33.1%
- Other/Unknown- 33.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 0.0%
- Utility Equipment- 33.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.90

10.) **2023 SAIDI** 64.40

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60

12.) **2023 SAIFI** 1.05

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

Continue to Monitor

| | |
|--|---|
| 1.) SUBSTATION NAME AND NUMBER | DAHLIA |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) | Jefferson - 2135 Dahlia Ave. - Louisville |
| 3.) CIRCUIT NAME AND NUMBER | DA1243 |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) | Louisville - Bon Air Ave, Gardiner Ln, & Goldsmith Ln - E of Substation |
| 5.) TOTAL CIRCUIT LENGTH (MILES) | 13.9 |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT | 1,639 |
| 7.) DATE OF LAST CIRCUIT TRIM (VM) | 02/18/2024 |

8.) 2023 OUTAGES BY CAUSE

| | |
|--------------------|-------|
| Animal- | 0.1% |
| Construction- | 0.0% |
| Lightning- | 0.0% |
| Non-Company- | 0.0% |
| Other/Unknown- | 34.2% |
| Overload- | 0.0% |
| Planned Work- | 11.1% |
| Trees- | 43.5% |
| Utility Equipment- | 11.0% |
| Vehicle- | 0.0% |

| | |
|------------------------------------|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 83.74 |
|------------------------------------|-------|

| | |
|-----------------|-------|
| 10.) 2023 SAIDI | 88.28 |
|-----------------|-------|

| | |
|-------------------------------------|------|
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.89 |
|-------------------------------------|------|

| | |
|-----------------|------|
| 12.) 2023 SAIFI | 0.69 |
|-----------------|------|

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

Reliability Improvements Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** DEL PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1409
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Magazine St, S 30th St, & W Broadway - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 6
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.60

10.) **2023 SAIDI** 130.23

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66

12.) **2023 SAIFI** 1.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DIXIE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1706 Bernheim Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DX1220
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bernheim Ln, 7th Street Rd, & Taylor Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,109
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/19/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.3%
- Other/Unknown- 3.6%
- Overload- 0.0%
- Planned Work- 32.4%
- Trees- 51.1%
- Utility Equipment- 11.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.06

10.) **2023 SAIDI** 48.21

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.26

12.) **2023 SAIFI** 1.47

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

Reliability Improvements Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1166
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Shephardsville Rd, Bardstownd Rd, & Bray Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 630
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020
- 8.) **2023 OUTAGES BY CAUSE**

Animal- 2.1%

Construction- 0.0%

Lightning- 2.3%

Non-Company- 0.0%

Other/Unknown- 10.4%

Overload- 0.0%

Planned Work- 50.5%

Trees- 29.9%

Utility Equipment- 4.9%

Vehicle- 0.0%

| | | |
|--|---------------|--|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 95.05 | |
| 10.) 2023 SAIDI | 158.43 | |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 1.03 | |
| 12.) 2023 SAIFI | 1.85 | |

- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1172
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hikes Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,027
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/11/2020
- 8.) **2023 OUTAGES BY CAUSE**

Animal- 0.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.8%

Overload- 0.0%

Planned Work- 84.7%

Trees- 9.6%

Utility Equipment- 4.7%

Vehicle- 0.0%

| | | |
|--|--|--|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 42.29 | |
| 10.) 2023 SAIDI | 69.06 | |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.30 | |
| 12.) 2023 SAIFI | 0.52 | |

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1421
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ethel Ave, Bardstown Rd, Buechel Bank Rd, & Progress Blvd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2020
- 8.) **2023 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 89.5%

Utility Equipment- 10.5%

Vehicle- 0.0%

| | | |
|---|--------|--|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 565.00 | |
| 10.) 2023 SAIDI | 609.96 | |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 1.71 | |
| 12.) 2023 SAIFI | 1.00 | |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN | | |

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1423
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jennings Ln, Bishop Ln, & Robards Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 49
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2020
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 15.2%
- Non-Company- 0.0%
- Other/Unknown- 13.4%
- Overload- 0.0%
- Planned Work- 7.1%
- Trees- 64.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

| | | |
|--|--------|--|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 168.71 | |
| 10.) 2023 SAIDI | 651.97 | |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.71 | |
| 12.) 2023 SAIFI | 0.84 | |

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 100 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EW1240
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & Beckley Creek PKWY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 367
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/22/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 4.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 91.7%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 1.6%
- Utility Equipment- 1.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.13

10.) **2023 SAIDI** 124.02

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28

12.) **2023 SAIFI** 0.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 16000 Shelbyville Rd - Middletown
- 3.) **CIRCUIT NAME AND NUMBER** EW1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Liberty Ave, Johnson Rd, & Aiken Rd- N & NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 956
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/20/2024

8.) **2023 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 12.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 78.8%
- Trees- 2.4%
- Utility Equipment- 4.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.30

10.) **2023 SAIDI** 108.68

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62

12.) **2023 SAIFI** 1.60

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1123
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Kramers Ln, Campground Rd, & Lees Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 897
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 6.3%
- Construction- 0.0%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 80.9%
- Trees- 8.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 161.42

10.) **2023 SAIDI** 134.11

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.99

12.) **2023 SAIFI** 1.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FALLS CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1048 S 43rd St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FC0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 43rd St, Virginia Ave, Southwestern PKY - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 319
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 18.6%
- Trees- 81.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.05

10.) **2023 SAIDI** 163.78

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35

12.) **2023 SAIFI** 1.17

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** FALLS CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1048 S 43rd St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FC0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 43rd St, Fordson Way, & Cecil Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 282
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 60.6%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 22.9%
- Trees- 0.8%
- Utility Equipment- 15.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.17

10.) **2023 SAIDI** 114.22

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37

12.) **2023 SAIFI** 1.59

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Langdon Dr, & Tiverton Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,535
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/10/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 82.7%
- Trees- 14.1%
- Utility Equipment- 3.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.96

10.) **2023 SAIDI** 96.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.67

12.) **2023 SAIFI** 1.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1210
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N Hurstbourne PKY, Whipps Mill Rd, & La Grange Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,579
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 2.1%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 72.6%
- Trees- 23.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.97

10.) **2023 SAIDI** 82.40

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2023 SAIFI** 1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1213
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Blossom Ln, Goose Creek Rd & Brownsboro Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,993
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 17.9%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 61.1%
- Trees- 12.2%
- Utility Equipment- 7.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 91.60

10.) **2023 SAIDI** 150.87

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.06

12.) **2023 SAIFI** 1.77

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Springhurst Blvd & N Hurstbourne PKY - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,069
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/10/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.63

10.) **2023 SAIDI** 116.37

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1496
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Floyd St, Warnock St, & Crittenden Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,106
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 4.2%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 29.6%
- Trees- 39.3%
- Utility Equipment- 27.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 129.24

10.) **2023 SAIDI** 267.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18

12.) **2023 SAIFI** 1.98

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FM1260
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Thixton Ln & Independence School Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,772
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 40.8%
- Utility Equipment- 56.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.79

10.) **2023 SAIDI** 16.40

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33

12.) **2023 SAIFI** 0.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FM1262
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd & Stone Breaker Rd - NNW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,142
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/28/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 41.1%
- Overload- 0.0%
- Planned Work- 43.4%
- Trees- 3.2%
- Utility Equipment- 10.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.73

10.) **2023 SAIDI** 31.68

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.24

12.) **2023 SAIFI** 0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 128 N 44th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FO0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 44th St & Bank St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 211
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.8%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 97.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.01

10.) **2023 SAIDI** 105.19

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2023 SAIFI** 0.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 128 N 44th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FO0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 44th St, W Market St, & Fontaine Landing Ct - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 353
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 13.1%
- Non-Company- 0.0%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 55.9%
- Trees- 27.2%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 81.64

10.) **2023 SAIDI** 234.93

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62

12.) **2023 SAIFI** 0.36

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Loretta St, & Ulrich Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,832
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.1%
- Lightning- 5.1%
- Non-Company- 0.0%
- Other/Unknown- 69.0%
- Overload- 0.0%
- Planned Work- 21.6%
- Trees- 1.1%
- Utility Equipment- 2.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.01

10.) **2023 SAIDI** 71.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41

12.) **2023 SAIFI** 0.60

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy & Oaklawn Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 31
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/01/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 5.6%
- Trees- 6.5%
- Utility Equipment- 87.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.76

10.) **2023 SAIDI** 20.73

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28

12.) **2023 SAIFI** 0.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln & Lotus Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 100.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.69

10.) **2023 SAIDI** 42.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1475
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old/Fern Valley Rd, & Industrial Blvd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.1%
- Overload- 0.0%
- Planned Work- 69.9%
- Trees- 0.0%
- Utility Equipment- 12.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 140.45

10.) **2023 SAIDI** 221.67

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.24

12.) **2023 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1477
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy & Outer Loop - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 28
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 84.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 16.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 159.44

10.) **2023 SAIDI** 341.12

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.95

12.) **2023 SAIFI** 1.91

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1478
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, & Standiford Ave/Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 115
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.4%
- Utility Equipment- 99.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.44

10.) **2023 SAIDI** 30.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2023 SAIFI** 0.46

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GAULBERT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2950 Wilson Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GA0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Catalpa St, Woodland Ave, & Hemlock St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 448
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/20/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 61.6%
- Overload- 0.0%
- Planned Work- 31.6%
- Trees- 6.5%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.30

10.) **2023 SAIDI** 78.70

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33

12.) **2023 SAIFI** 0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1333
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 34.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 65.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 402.42

10.) **2023 SAIDI** 916.53

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00

12.) **2023 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1334
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 34.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 65.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 402.22

10.) **2023 SAIDI** 916.53

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00

12.) **2023 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1335
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln & Midfield Access Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 34.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 65.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 241.27

10.) **2023 SAIDI** 916.83

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60

12.) **2023 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GOSS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1260 Goss Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** G00002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Reasor Ave, E Burnett Ave, & Texas Avenue - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 700
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2022
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 99.3%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.60

10.) **2023 SAIDI** 24.58

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.24

12.) **2023 SAIFI** 0.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GOSS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1260 Goss Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** G00003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ash St & Hickory St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 409
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 5.0%
- Planned Work- 0.0%
- Trees- 93.3%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.42

10.) **2023 SAIDI** 21.46

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11

12.) **2023 SAIFI** 0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1466
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 41st St & Bells Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/14/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.25

10.) **2023 SAIDI** 37.23

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17

12.) **2023 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HALE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 185 Hale Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HA0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Hale Ave, Dumesnil St, & St Louis Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 589
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 3.6%
- Overload- 0.2%
- Planned Work- 95.7%
- Trees- 0.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.22

10.) **2023 SAIDI** 194.01

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32

12.) **2023 SAIFI** 0.56

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1143
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky & Stone Creek Pky - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 403
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 12.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 9.2%
- Utility Equipment- 76.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.17

10.) **2023 SAIDI** 52.52

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2023 SAIFI** 0.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Hickory Rd, Waterson Trl, & Blankenbaker Access Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 279
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 71.1%
- Overload- 0.0%
- Planned Work- 23.9%
- Trees- 4.1%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.92

10.) **2023 SAIDI** 104.54

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81

12.) **2023 SAIFI** 1.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1145
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gateway Dr, Taylorsville Rd, & Greene Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,896
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.3%
- Overload- 0.0%
- Planned Work- 74.6%
- Trees- 11.6%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.39

10.) **2023 SAIDI** 146.67

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.89

12.) **2023 SAIFI** 2.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1146
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Plantside Dr, Carton Dr, & Bunsen Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 164
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 36.5%
- Non-Company- 0.0%
- Other/Unknown- 51.6%
- Overload- 0.0%
- Planned Work- 11.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.88

10.) **2023 SAIDI** 21.52

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66

12.) **2023 SAIFI** 1.05

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Plantside Dr, Production Dr, & Research Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 32
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 73.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 27.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.10

10.) **2023 SAIDI** 174.40

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26

12.) **2023 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1150
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bunsen Way & Production Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 326
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.4%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 95.6%
- Trees- 0.1%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.00

10.) **2023 SAIDI** 480.70

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20

12.) **2023 SAIFI** 0.47

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Fenley Ave, & Breckenridge Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,673
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/15/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 2.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 63.2%
- Trees- 30.8%
- Utility Equipment- 2.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.94

10.) **2023 SAIDI** 54.12

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2023 SAIFI** 0.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grinstead Dr, Lexington Rd, & Alta Vista Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 854
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 64.5%
- Trees- 30.5%
- Utility Equipment- 3.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 112.70

10.) **2023 SAIDI** 291.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.78

12.) **2023 SAIFI** 2.04

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Lexington Rd, Cannons Ln, & Old Cannons Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,317
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 78.9%
- Trees- 18.3%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.64

10.) **2023 SAIDI** 113.08

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27

12.) **2023 SAIFI** 0.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hillcrest Ave, Zorn Ave, & River Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,128
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/19/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 7.0%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 74.4%
- Trees- 15.5%
- Utility Equipment- 2.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.25

10.) **2023 SAIDI** 182.91

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.87

12.) **2023 SAIFI** 0.89

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1434
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stilz Ave, Lexington Rd, & Alta Vista Rd - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 7
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 95.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.58

10.) **2023 SAIDI** 127.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.98

12.) **2023 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1435
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hillcrest Ave, Zorn Ave, & Frankfort Ave - N & W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 40
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/19/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 98.1%
- Trees- 1.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.08

10.) **2023 SAIDI** 112.63

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80

12.) **2023 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HERMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 3619 Jefferson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, 37th, 36th, 35th & 34th St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 674
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 15.0%
- Trees- 78.1%
- Utility Equipment- 6.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.24

10.) **2023 SAIDI** 12.98

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13

12.) **2023 SAIFI** 0.15

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** HERMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 3619 Jefferson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Amy Ave, W Market St, 39th, 40th, 41st, & 42nd St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 588
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.6%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 92.7%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.59

10.) **2023 SAIDI** 51.54

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27

12.) **2023 SAIFI** 0.83

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** HERMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 3619 Jefferson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HE0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, S 43rd St, & Herman St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 297
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 42.8%
- Other/Unknown- 55.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.78

10.) **2023 SAIDI** 147.63

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61

12.) **2023 SAIFI** 1.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1235
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 42, Marina Dr, & Seminary Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,467
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/14/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 37.2%
- Trees- 61.6%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.35

10.) **2023 SAIDI** 85.08

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.72

12.) **2023 SAIFI** 0.90

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1238
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Timber Bridge Dr & Fox Harbor Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 428
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 91.3%
- Trees- 1.3%
- Utility Equipment- 7.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 370.44

10.) **2023 SAIDI** 1132.19

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.03

12.) **2023 SAIFI** 4.76

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Rd, Avish Ln, & Rockledge Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 538
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/28/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 72.6%
- Overload- 0.0%
- Planned Work- 17.1%
- Trees- 7.8%
- Utility Equipment- 2.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 142.69

10.) **2023 SAIDI** 131.57

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.28

12.) **2023 SAIFI** 2.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1155
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - Goshen Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 386
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/24/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 8.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 83.9%
- Trees- 4.5%
- Utility Equipment- 3.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.38

10.) **2023 SAIDI** 75.04

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36

12.) **2023 SAIFI** 0.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1158
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - US 42 & Buckeye Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 540
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.2%
- Overload- 0.0%
- Planned Work- 80.6%
- Trees- 7.1%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 188.66

10.) **2023 SAIDI** 218.41

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18

12.) **2023 SAIFI** 0.99

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HANCOCK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 630 E Caldwell St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HN1201
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelby St, Logan St, & Barrett Ave - E & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 906
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.5%
- Other/Unknown- 80.8%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 3.9%
- Utility Equipment- 10.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.42

10.) **2023 SAIDI** 48.66

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64

12.) **2023 SAIFI** 0.89

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HANCOCK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 630 E Caldwell St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HN1204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Preston St, E Broadway, S Shelby St, & E Madison St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,227
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.2%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 45.6%
- Trees- 51.5%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.27

10.) **2023 SAIDI** 147.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44

12.) **2023 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Lower Hunters Trace, Terry Rd, & Mt Everest Dr - ESE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,043
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/20/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 93.1%
- Overload- 0.0%
- Planned Work- 2.6%
- Trees- 2.0%
- Utility Equipment- 2.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.71

10.) **2023 SAIDI** 110.61

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.12

12.) **2023 SAIFI** 1.05

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1157
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 3rd St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 299
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 98.3%
- Trees- 0.0%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.67

10.) **2023 SAIDI** 39.94

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26

12.) **2023 SAIFI** 0.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1158
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Inverness Ave, New Cut Rd, & Palatka Rd - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,422
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/10/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 2.9%
- Lightning- 1.3%
- Non-Company- 0.0%
- Other/Unknown- 18.7%
- Overload- 0.0%
- Planned Work- 53.1%
- Trees- 20.4%
- Utility Equipment- 2.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.46

10.) **2023 SAIDI** 48.16

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26

12.) **2023 SAIFI** 0.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1159
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Kenwood Dr, Homestead Dr, & Southside Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,440
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.9%
- Overload- 0.0%
- Planned Work- 51.1%
- Trees- 33.0%
- Utility Equipment- 2.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.02

10.) **2023 SAIDI** 229.21

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.14

12.) **2023 SAIFI** 0.69

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

Tree Trim Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1161
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southside Dr, 3rd St, & W Kenwood Way - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 737
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.1%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 69.5%
- Trees- 25.4%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.98

10.) **2023 SAIDI** 81.45

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52

12.) **2023 SAIFI** 0.47

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St & Gernert Ct - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 483
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.6%
- Overload- 0.0%
- Planned Work- 92.2%
- Trees- 0.0%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.46

10.) **2023 SAIDI** 217.78

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25

12.) **2023 SAIFI** 0.53

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOCUST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1190
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hess Ln, Poplar Level Rd, & Sheridan Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,272
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/02/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 81.8%
- Trees- 16.2%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 122.36

10.) **2023 SAIDI** 127.94

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00

12.) **2023 SAIFI** 0.40

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

Reliability Improvements Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** LOCUST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1192
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Crittenden Dr, & Boxley Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,124
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2023
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.3%
- Overload- 0.0%
- Planned Work- 32.1%
- Trees- 11.6%
- Utility Equipment- 47.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.95

10.) **2023 SAIDI** 86.67

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83

12.) **2023 SAIFI** 0.83

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Bellemeade
- 3.) **CIRCUIT NAME AND NUMBER** LS1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bellemeade - Old Whipps Mill Rd, Dorchester Rd, & Shelbyville Rd - S & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 529
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/26/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 41.1%
- Trees- 44.1%
- Utility Equipment- 14.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 122.02

10.) **2023 SAIDI** 260.28

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.99

12.) **2023 SAIFI** 2.36

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

Tree Trim Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ln & LaGrange Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 815
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/05/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.4%
- Overload- 0.0%
- Planned Work- 83.6%
- Trees- 6.0%
- Utility Equipment- 6.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.74

10.) **2023 SAIDI** 115.34

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.93

12.) **2023 SAIFI** 1.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1245
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ln, Westport Rd, & Colonel Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,929
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/26/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 88.1%
- Trees- 9.8%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.17

10.) **2023 SAIDI** 37.70

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.58

12.) **2023 SAIFI** 1.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1248
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Whipps Mill Rd, Ormsby Station Rd, & Shelbyville Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 529
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/22/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.9%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 31.9%
- Overload- 0.0%
- Planned Work- 65.8%
- Trees- 1.0%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 150.28

10.) **2023 SAIDI** 162.91

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.41

12.) **2023 SAIFI** 2.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8407 LaGrange Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LY1111
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ln, Herr Ln, & Graymoor Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,182
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 35.7%
- Non-Company- 0.0%
- Other/Unknown- 7.2%
- Overload- 0.0%
- Planned Work- 37.0%
- Trees- 17.7%
- Utility Equipment- 2.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.40

10.) **2023 SAIDI** 118.63

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.89

12.) **2023 SAIFI** 2.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8407 LaGrange Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LY1163
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Railroad Ave, Lyndon Ln, & Westport Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,187
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 13.4%
- Non-Company- 0.4%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 49.7%
- Trees- 20.3%
- Utility Equipment- 15.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.29

10.) **2023 SAIDI** 132.00

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.02

12.) **2023 SAIFI** 1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - LGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 14660 Dixie Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MC1262
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Watson Ln, Galston Blvd, & Dixie Hwy - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,293
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2024

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 19.1%
- Lightning- 34.9%
- Non-Company- 0.0%
- Other/Unknown- 3.6%
- Overload- 0.0%
- Planned Work- 39.1%
- Trees- 1.2%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.13

10.) **2023 SAIDI** 157.53

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.65

12.) **2023 SAIFI** 1.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MADISON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 635 E Madison - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MD1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Madison St, Wenzel St, Baxter Ave, & Lexington Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 19
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 7.6%
- Trees- 92.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.91

10.) **2023 SAIDI** 27.54

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11

12.) **2023 SAIFI** 0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway, 15th St, Garland Ave, & 16th St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 371
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 7.6%
- Trees- 90.6%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.02

10.) **2023 SAIDI** 78.45

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.72

12.) **2023 SAIFI** 1.11

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0417
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 15th St, Cedar St, Chestnut St, 18th & 19th St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 769
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 14.3%
- Non-Company- 25.4%
- Other/Unknown- 3.5%
- Overload- 0.3%
- Planned Work- 1.6%
- Trees- 20.5%
- Utility Equipment- 34.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.85

10.) **2023 SAIDI** 103.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.20

12.) **2023 SAIFI** 1.81

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0452
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 12th St, W Kentucky St, & W Oak St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 65
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 99.8%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 153.67

10.) **2023 SAIDI** 173.81

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.11

12.) **2023 SAIFI** 1.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG1314
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Magazine St, W Chestnut St - W and E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 46.7%
- Trees- 53.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.88

10.) **2023 SAIDI** 125.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36

12.) **2023 SAIFI** 1.20

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG1328
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 15th St, 13th St, 12th St, 11th St & W Kentucky St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,255
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 3.6%
- Utility Equipment- 95.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 137.03

10.) **2023 SAIDI** 175.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.25

12.) **2023 SAIFI** 4.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG1329
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway, 9th St, 8th St, 7th St, & 5th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 468
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 55.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 23.7%
- Utility Equipment- 20.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 190.47

10.) **2023 SAIDI** 149.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.13

12.) **2023 SAIFI** 3.62

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd Street Rd, Chistland Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 493
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 92.3%
- Overload- 0.0%
- Planned Work- 6.1%
- Trees- 0.5%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.40

10.) **2023 SAIDI** 82.13

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29

12.) **2023 SAIFI** 0.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Saint Anthonys Church Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 147
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 70.1%
- Trees- 29.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 135.70

10.) **2023 SAIDI** 287.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76

12.) **2023 SAIFI** 1.01

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

Tree Trim Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop & National Tpike - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,364
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.4%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 68.0%
- Utility Equipment- 13.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.31

10.) **2023 SAIDI** 77.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46

12.) **2023 SAIFI** 1.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd and Brown Austin Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,456
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/06/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 93.6%
- Trees- 2.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.37

10.) **2023 SAIDI** 43.42

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.24

12.) **2023 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greyling Dr and Blevins Gap Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 416
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/19/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 83.8%
- Trees- 14.9%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 549.31

10.) **2023 SAIDI** 827.05

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.86

12.) **2023 SAIFI** 3.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1296
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St Rd, Christland Rd, & Manslick Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,738
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 42.0%
- Overload- 0.1%
- Planned Work- 53.5%
- Trees- 4.1%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.90

10.) **2023 SAIDI** 191.69

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52

12.) **2023 SAIFI** 0.97

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1281
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mud Ln, Brookley Dr, & Elda Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 377
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/07/2023
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 94.8%
- Trees- 0.0%
- Utility Equipment- 5.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.46

10.) **2023 SAIDI** 56.83

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19

12.) **2023 SAIFI** 0.05

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Lees Ln, Rogers Ave, & Zoneton Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,820
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 2.3%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 33.5%
- Utility Equipment- 62.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.52

10.) **2023 SAIDI** 50.51

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41

12.) **2023 SAIFI** 0.32

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1286
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Overdale Dr, Blossom Rd, Summers Dr, & Summit Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,649
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/07/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 48.3%
- Non-Company- 0.3%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 24.0%
- Trees- 24.4%
- Utility Equipment- 1.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.66

10.) **2023 SAIDI** 16.17

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85

12.) **2023 SAIFI** 1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1288
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Hebron Ln, & Bells Mill Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,664
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 40.2%
- Trees- 32.2%
- Utility Equipment- 25.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.91

10.) **2023 SAIDI** 203.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.04

12.) **2023 SAIFI** 1.91

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1265
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hunsinger Ln - NNE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,344
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 94.4%
- Trees- 3.5%
- Utility Equipment- 2.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.32

10.) **2023 SAIDI** 165.90

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48

12.) **2023 SAIFI** 1.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1266
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Six Mile Ln, Stony Brook Dr, & Hampton Ridge Ct - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,680
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/26/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 42.4%
- Overload- 0.0%
- Planned Work- 17.5%
- Trees- 37.5%
- Utility Equipment- 2.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.75

10.) **2023 SAIDI** 69.15

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57

12.) **2023 SAIFI** 0.59

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

Reliability Improvements Completed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1271
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Nachand Ln, Watterson Trl, & Hurstbourne Pky - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,559
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/14/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 51.6%
- Trees- 45.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.34

10.) **2023 SAIDI** 18.08

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20

12.) **2023 SAIFI** 0.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OLD HENRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 13601 Terra View Trail - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OH1170
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Henry Rd, Nelson Miller Pky, & Stanley Gault Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 149
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/14/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 12.6%
- Trees- 23.0%
- Utility Equipment- 63.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.23

10.) **2023 SAIDI** 354.70

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.24

12.) **2023 SAIFI** 1.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OLD HENRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 13601 Terra View Trail - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OH1173
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Henry Rd and Factory Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,256
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 94.4%
- Trees- 0.0%
- Utility Equipment- 5.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.40

10.) **2023 SAIDI** 113.25

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60

12.) **2023 SAIFI** 0.55

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1271
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop, Robbs Ln, & Monaco Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 952
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 0.0%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 70.9%
- Trees- 23.3%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.77

10.) **2023 SAIDI** 103.87

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35

12.) **2023 SAIFI** 0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop, Shepherdsville Rd, & Applegate Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,686
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 87.1%
- Trees- 10.9%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.48

10.) **2023 SAIDI** 65.14

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68

12.) **2023 SAIFI** 0.49

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1275
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blue Lick Rd & Freedom Way - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,233
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/11/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 35.2%
- Trees- 63.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.12

10.) **2023 SAIDI** 58.61

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56

12.) **2023 SAIFI** 0.43

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** ORMSBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 436 E Ormsby Jackson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OR0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St, Woodbine St, Floyd St, & Burnett Ave- SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 607
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.1%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 3.9%
- Utility Equipment- 90.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.50

10.) **2023 SAIDI** 79.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36

12.) **2023 SAIFI** 0.60

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Lyndon Rd, & Hurstbourne Club Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,964
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 0.2%
- Other/Unknown- 11.7%
- Overload- 0.0%
- Planned Work- 63.2%
- Trees- 22.4%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.42

10.) **2023 SAIDI** 42.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73

12.) **2023 SAIFI** 0.39

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1279
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, New La Grange Rd, & Wood Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,495
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/25/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 1.6%
- Non-Company- 11.5%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 59.8%
- Trees- 23.0%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.09

10.) **2023 SAIDI** 56.40

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69

12.) **2023 SAIFI** 0.84

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PIRTLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 1506 W Main St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Main St, 15th St, Rowan St, & Portland Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 536
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.7%
- Non-Company- 0.0%
- Other/Unknown- 44.9%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 3.5%
- Utility Equipment- 48.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.57

10.) **2023 SAIDI** 79.50

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59

12.) **2023 SAIFI** 0.43

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1270
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - St. Andrews Church Rd & St. Anthonys Church Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,512
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 2.8%
- Non-Company- 0.1%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 29.8%
- Trees- 50.4%
- Utility Equipment- 13.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.03

10.) **2023 SAIDI** 143.81

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59

12.) **2023 SAIFI** 1.23

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Greenwood Rd, Sky Blue Ave, & Galaxie Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,434
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.3%
- Lightning- 0.3%
- Non-Company- 7.8%
- Other/Unknown- 38.4%
- Overload- 0.0%
- Planned Work- 42.1%
- Trees- 10.0%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 81.23

10.) **2023 SAIDI** 40.37

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.15

12.) **2023 SAIFI** 1.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Atlas Power Rd, Greenwood Rd & St. Pauls Church Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 934
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 96.8%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 2.9%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.78

10.) **2023 SAIDI** 75.67

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82

12.) **2023 SAIFI** 1.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1274
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Lower Hunters Trace, & Flintlock Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,044
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2023
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 54.5%
- Overload- 0.0%
- Planned Work- 19.3%
- Trees- 3.2%
- Utility Equipment- 22.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.58

10.) **2023 SAIDI** 106.06

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81

12.) **2023 SAIFI** 0.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1276
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Cofer Ave, and Fury Way - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,652
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 74.6%
- Trees- 22.4%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.75

10.) **2023 SAIDI** 45.41

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2023 SAIFI** 0.51

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1277
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Lower Hunters Trace, & Upper Hunters Trace - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 405
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 1.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 86.2%
- Trees- 10.5%
- Utility Equipment- 2.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.07

10.) **2023 SAIDI** 98.50

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32

12.) **2023 SAIFI** 0.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** PR1389
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - Campground Rd & Senn Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 6
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 24.7%
- Trees- 75.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 124.95

10.) **2023 SAIDI** 127.91

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56

12.) **2023 SAIFI** 0.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** PR1392
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New - Albany - No Road - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 4.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 95.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.65

10.) **2023 SAIDI** 28.27

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1251
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dorsey Way & Cambridge Station Rd - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,424
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2024

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 6.6%
- Overload- 0.0%
- Planned Work- 57.6%
- Trees- 29.5%
- Utility Equipment- 6.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.18

10.) **2023 SAIDI** 263.92

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.97

12.) **2023 SAIFI** 1.45

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

Trees Trimmed in 2024

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1253
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Hurstbourne Pky, & Whittington Pky - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 394
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 37.5%
- Trees- 53.3%
- Utility Equipment- 9.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.11

10.) **2023 SAIDI** 55.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45

12.) **2023 SAIFI** 1.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1255
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky & Vieux Carre Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 330
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2024

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 90.1%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 9.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.41

10.) **2023 SAIDI** 186.50

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1256
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky, Timberwood Cir, & Vieux Carre Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,094
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 45.1%
- Non-Company- 0.0%
- Other/Unknown- 2.2%
- Overload- 0.0%
- Planned Work- 6.1%
- Trees- 3.2%
- Utility Equipment- 43.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 165.84

10.) **2023 SAIDI** 454.34

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18

12.) **2023 SAIFI** 3.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1257
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 60 and Moser Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,331
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 0/00/00

8.) **2023 OUTAGES BY CAUSE**

- Animal- 4.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 17.3%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 40.1%
- Utility Equipment- 38.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.28

10.) **2023 SAIDI** 10.88

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15

12.) **2023 SAIFI** 0.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Louisville - 1231 S 7th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th St, Hill St, 6th St, & Shipp Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 406
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.7%
- Overload- 0.0%
- Planned Work- 35.8%
- Trees- 37.8%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.30

10.) **2023 SAIDI** 84.34

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31

12.) **2023 SAIFI** 0.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Louisville - 1231 S 7th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SE0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Oak St, Garvin Pl, & 4th St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 556
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 4.6%
- Lightning- 0.0%
- Non-Company- 14.1%
- Other/Unknown- 6.6%
- Overload- 0.0%
- Planned Work- 74.5%
- Trees- 0.0%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.23

10.) **2023 SAIDI** 92.11

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54

12.) **2023 SAIFI** 0.65

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1281
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th Street Rd, Arcade Ave, Taylor Blvd, & Clara Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,688
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/25/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.1%
- Other/Unknown- 9.8%
- Overload- 0.0%
- Planned Work- 24.0%
- Trees- 64.6%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.81

10.) **2023 SAIDI** 51.80

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41

12.) **2023 SAIFI** 0.90

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1457
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crums Ln & San Jose Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.13

10.) **2023 SAIDI** 4.35

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.01

12.) **2023 SAIFI** 0.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1459
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Bluegrass Ave, & Taylor Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 16
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 13.4%
- Trees- 81.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.14

10.) **2023 SAIDI** 136.81

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83

12.) **2023 SAIFI** 1.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1232
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Tug Rd, Crittenden Dr, Woodlawn Ave, & 1st St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,470
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/14/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 21.3%
- Overload- 0.0%
- Planned Work- 8.6%
- Trees- 1.7%
- Utility Equipment- 68.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.72

10.) **2023 SAIDI** 25.88

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37

12.) **2023 SAIFI** 0.70

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1360
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Allmond Ave, Strawberry Ln, & Crittenden Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 104
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 51.7%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 39.2%
- Utility Equipment- 8.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 156.80

10.) **2023 SAIDI** 246.58

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.08

12.) **2023 SAIFI** 1.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1380
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dakota St & Crittenden Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1637.47

10.) **2023 SAIDI** 323.00

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.33

12.) **2023 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1381
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dakota St & Crittenden Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 2187.71

10.) **2023 SAIDI** 557.12

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.33

12.) **2023 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1382
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dakota St & Crittenden Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 98.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1996.66

10.) **2023 SAIDI** 562.25

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.00

12.) **2023 SAIFI** 3.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1397
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Strawberry Ln, & Mclean Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2021
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 52.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 40.7%
- Utility Equipment- 6.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 238.40

10.) **2023 SAIDI** 386.69

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.65

12.) **2023 SAIFI** 1.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 3908 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SN0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Broadway, 37th St, & Lindell Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 528
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 33.5%
- Overload- 0.0%
- Planned Work- 17.7%
- Trees- 21.7%
- Utility Equipment- 27.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.20

10.) **2023 SAIDI** 37.39

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73

12.) **2023 SAIFI** 0.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 3908 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SN0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 40th St & Garland Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 272
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 1.3%
- Planned Work- 84.4%
- Trees- 13.5%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.49

10.) **2023 SAIDI** 18.90

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17

12.) **2023 SAIFI** 0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0405
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St & Ormsby Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 672
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 33.5%
- Overload- 0.5%
- Planned Work- 62.5%
- Trees- 2.1%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.83

10.) **2023 SAIDI** 39.26

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26

12.) **2023 SAIFI** 0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0409
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 174
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 96.1%
- Trees- 0.0%
- Utility Equipment- 3.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.51

10.) **2023 SAIDI** 24.64

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42

12.) **2023 SAIFI** 0.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 4th St & Hill St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 696
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 5.3%
- Trees- 0.1%
- Utility Equipment- 94.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 133.71

10.) **2023 SAIDI** 411.27

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.89

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1412 Fairdale Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SP1114
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farmers Ln, South Park Rd, & Minor Ln - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 531
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/12/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 8.8%
- Non-Company- 0.0%
- Other/Unknown- 8.0%
- Overload- 0.0%
- Planned Work- 52.3%
- Trees- 22.6%
- Utility Equipment- 6.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 278.02

10.) **2023 SAIDI** 272.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.79

12.) **2023 SAIFI** 3.39

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1412 Fairdale Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SP1115
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - National Tpke, Glengarry Dr, & Grange Rd - NW & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,518
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.8%
- Overload- 0.0%
- Planned Work- 90.6%
- Trees- 4.2%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.31

10.) **2023 SAIDI** 185.04

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45

12.) **2023 SAIFI** 0.73

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHEPHERDSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bullitt - 1706 4th St. - Shepardsville
- 3.) **CIRCUIT NAME AND NUMBER** SV1121
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Hwy 44, Blue Lick Rd, & Buckman St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 959
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/15/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 28.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.6%
- Other/Unknown- 4.1%
- Overload- 0.0%
- Planned Work- 44.9%
- Trees- 0.0%
- Utility Equipment- 21.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.82

10.) **2023 SAIDI** 69.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23

12.) **2023 SAIFI** 0.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1187
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - San Jose Ave, Dixie Hwy, Sadie Ln, & Estate Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,528
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2022
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 12.7%
- Other/Unknown- 42.2%
- Overload- 0.0%
- Planned Work- 35.5%
- Trees- 5.6%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

| | |
|---|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 52.53 |
| 10.) 2023 SAIDI | 76.85 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.58 |
| 12.) 2023 SAIFI | 0.99 |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN | |

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1188
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Rockford Ln, Imperial Ter, & Dover Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,899
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/08/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.2%
- Lightning- 0.6%
- Non-Company- 0.1%
- Other/Unknown- 7.1%
- Overload- 0.0%
- Planned Work- 4.9%
- Trees- 82.4%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

| | |
|--|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 57.54 |
| 10.) 2023 SAIDI | 64.70 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.85 |
| 12.) 2023 SAIFI | 0.88 |

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

Reliability Improvements Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Hazelwood Ave, Manslick Rd, & Brick Kiln Ln - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 17.7%
- Planned Work- 5.9%
- Trees- 76.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 365.12

10.) **2023 SAIDI** 526.48

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.01

12.) **2023 SAIFI** 6.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1251
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Smyrna Pky, Michael Ray Dr, & Lantana Dr - NW & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,556
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 75.4%
- Trees- 20.2%
- Utility Equipment- 2.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.57

10.) **2023 SAIDI** 49.30

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32

12.) **2023 SAIFI** 0.47

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1252
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cooper Chapel Rd, McNeely Lake Dr, & Beulah Church Rd - SW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 37.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,405
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 66.2%
- Trees- 29.2%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.07

10.) **2023 SAIDI** 34.26

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.93

12.) **2023 SAIFI** 1.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1254
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Vaughn Mill Rd, Outer Loop & Smyrna Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,211
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 4.9%
- Non-Company- 0.0%
- Other/Unknown- 7.5%
- Overload- 0.0%
- Planned Work- 79.2%
- Trees- 6.2%
- Utility Equipment- 2.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.77

10.) **2023 SAIDI** 163.72

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52

12.) **2023 SAIFI** 0.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1255
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Beulah Church Rd, & Fegenbush Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,964
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/06/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 83.8%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 10.9%
- Utility Equipment- 2.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.11

10.) **2023 SAIDI** 73.69

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46

12.) **2023 SAIFI** 0.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd & Springcrest Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,478
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 36.4%
- Overload- 0.0%
- Planned Work- 53.0%
- Trees- 7.6%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 108.14

10.) **2023 SAIDI** 139.96

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68

12.) **2023 SAIFI** 0.39

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1106
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blankenbaker Ln, Riviera Dr, & Woodside Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,221
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.1%
- Overload- 0.0%
- Planned Work- 56.4%
- Trees- 39.5%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 173.73

10.) **2023 SAIDI** 276.54

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.68

12.) **2023 SAIFI** 1.53

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

Tree Trim Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1132
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Country Ln, & Country Club Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 536
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/25/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.4%
- Overload- 0.0%
- Planned Work- 60.7%
- Trees- 26.0%
- Utility Equipment- 3.7%
- Vehicle- 0.0%

| | |
|--|--------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 242.90 |
| 10.) 2023 SAIDI | 567.20 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 1.49 |
| 12.) 2023 SAIFI | 2.20 |

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

Tree Trim Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1133
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 42 & Lime Kiln Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,168
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 47.0%
- Overload- 0.0%
- Planned Work- 46.7%
- Trees- 5.3%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 170.54

10.) **2023 SAIDI** 228.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.40

12.) **2023 SAIFI** 3.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Winding Bluff Trce, I264, & Blankenbaker Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,123
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2022
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 17.4%
- Overload- 0.0%
- Planned Work- 49.8%
- Trees- 26.3%
- Utility Equipment- 6.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 232.20

10.) **2023 SAIDI** 325.02

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.61

12.) **2023 SAIFI** 1.14

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

Tree Trim Scheduled for 2024

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Chenoweth Ln, Canoe Ln, & Wampum Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 571
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.4%
- Overload- 0.0%
- Planned Work- 82.3%
- Trees- 2.7%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 179.07

10.) **2023 SAIDI** 180.08

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22

12.) **2023 SAIFI** 1.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1244
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Terry Rd, Johnstontown Rd, & Dixie Hwy - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,227
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 39.7%
- Overload- 0.0%
- Planned Work- 51.4%
- Trees- 7.7%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.25

10.) **2023 SAIDI** 100.41

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2023 SAIFI** 0.73

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1245
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pages Ln, Poinsettia Dr, Greenwood Rd, & Feyhurst Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,516
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2020
- 8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.3%
- Overload- 0.0%
- Planned Work- 75.2%
- Trees- 5.8%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.97

10.) **2023 SAIDI** 63.75

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85

12.) **2023 SAIFI** 0.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1247
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 419
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.9%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 49.1%
- Utility Equipment- 46.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.09

10.) **2023 SAIDI** 176.75

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84

12.) **2023 SAIFI** 1.01

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Tip Top
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - US 60 - Tip Top
- 3.) **CIRCUIT NAME AND NUMBER** TT3311
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - Hwy 1638, Railroad Trestle Rd, & Katherine Station Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,239
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 22.3%
- Non-Company- 0.0%
- Other/Unknown- 20.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 57.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.54

10.) **2023 SAIDI** 28.03

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67

12.) **2023 SAIFI** 2.79

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Tip Top
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - US 60 - Tip Top
- 3.) **CIRCUIT NAME AND NUMBER** TT3313
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - US 60, Baker Rd, & Eisenhower Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 176.49

10.) **2023 SAIDI** 295.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.50

12.) **2023 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Tip Top
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - US 60 - Tip Top
- 3.) **CIRCUIT NAME AND NUMBER** TT3316
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - Chaffee Ave, Bullion Blvd, & Black Horse Regiment Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 45.1%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 54.9%
- Vehicle- 0.0%

| | |
|--|--------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 61.25 |
| 10.) 2023 SAIDI | 154.18 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.40 |
| 12.) 2023 SAIFI | 1.00 |

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERMONT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 529 Southwestern Pkwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** VE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southwestern Pky & Broadway - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 259
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.6%
- Overload- 0.0%
- Planned Work- 76.6%
- Trees- 0.0%
- Utility Equipment- 3.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.12

10.) **2023 SAIDI** 95.88

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70

12.) **2023 SAIFI** 1.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Chestnut St, 26th St, & Muhammad Ali Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 867
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.1%
- Overload- 0.0%
- Planned Work- 17.1%
- Trees- 49.3%
- Utility Equipment- 13.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.26

10.) **2023 SAIDI** 67.17

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35

12.) **2023 SAIFI** 0.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Broadway, Louis Coleman Jr Dr, & 35th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 424
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 18.2%
- Trees- 29.6%
- Utility Equipment- 52.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 140.10

10.) **2023 SAIDI** 57.22

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69

12.) **2023 SAIFI** 0.89

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Garland Ave, 26th St, & Dr W J Hodge St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 572
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 87.7%
- Overload- 4.5%
- Planned Work- 0.9%
- Trees- 2.0%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.89

10.) **2023 SAIDI** 242.54

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62

12.) **2023 SAIFI** 0.74

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Broadway, 24th, 234d, 22nd, & Dr W J Hodge St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 412
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.8%
- Overload- 0.0%
- Planned Work- 10.2%
- Trees- 0.6%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.86

10.) **2023 SAIDI** 110.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36

12.) **2023 SAIFI** 0.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0005
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Magazine St, & 30th St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2022

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 24.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 75.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 207.22

10.) **2023 SAIDI** 1024.45

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69

12.) **2023 SAIFI** 3.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WHAS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1310 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WH1115
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Flat Rock Rd, Polo Fields Ln, & Glen Lakes Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,106
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/17/2020

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.7%
- Non-Company- 3.9%
- Other/Unknown- 92.3%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.0%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.89

10.) **2023 SAIDI** 109.58

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80

12.) **2023 SAIFI** 1.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEST POINT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - Crop St and I-C Railroad - West Point
- 3.) **CIRCUIT NAME AND NUMBER** WP1104
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** West Point - Main St, Dixie Hwy, 16th St, & Private Rd - W, SW & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 691
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 80.9%
- Trees- 14.8%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.57

10.) **2023 SAIDI** 155.05

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22

12.) **2023 SAIFI** 1.67

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATERSIDE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 221 North Third St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WS1305
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Main St, 1st St, Floyd St, & Bingham Way - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 58.1%
- Utility Equipment- 41.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.32

10.) **2023 SAIDI** 278.80

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44

12.) **2023 SAIFI** 1.00

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

Trees Trimmed in 2023

- 1.) **SUBSTATION NAME AND NUMBER** WATERSIDE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 150 North 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WS1310
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 3rd St, E Main St, S 1st St, & E Muhammad Ali Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2023

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

| | |
|--|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 13.41 |
| 10.) 2023 SAIDI | 67.03 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.20 |
| 12.) 2023 SAIFI | 1.00 |

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1152
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Seatonville Rd, & Fern Creek Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,622
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 2.7%
- Non-Company- 0.0%
- Other/Unknown- 39.5%
- Overload- 6.3%
- Planned Work- 9.0%
- Trees- 9.0%
- Utility Equipment- 33.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.64

10.) **2023 SAIDI** 148.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67

12.) **2023 SAIFI** 1.94

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1212
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stony Brook Dr, Guttenberg Rd, & Billtown Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,436
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/25/2021

8.) **2023 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 6.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 2.3%
- Utility Equipment- 68.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.29

10.) **2023 SAIDI** 33.69

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44

12.) **2023 SAIFI** 0.46

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

Continue to Monitor

KENTUCKY PUBLIC SERVICE COMMISSION

ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

The Companies' Vegetation Management Plan was submitted December 19, 2007. The Distribution Vegetation Management Program encompasses right of way maintenance for Louisville Gas and Electric Company and Kentucky Utilities Company (referred to as the "Companies"). The program is centralized and managed by a Forestry Manager and eight company Utility Arborists. All are certified arborists by the International Society of Arboriculture.

The Companies' plan is to maintain a proactive trim cycle while balancing the reactive needs of worst performing circuits. The Companies' goal is to maintain an average trim cycle of five years or less. The effectiveness of the plan is evaluated by the cycle and system performance as measured by system SAIDI, SAIFI, and CAIDI.

Effectiveness of the program

KU/LG&E Tree Cycle – 4.91 years

LGE Tree SAIDI – 20.80 minutes

LGE Tree SAIFI – 0.118

LGE Tree CAIDI – 176.2 minutes

The hazard tree program, mid cycle, herbicide, and worst performing circuits were completed as planned.

Adjustments made to the tree plan in 2023 included

No changes made to plan.

Changes to be implemented in 2024

The routine trimming cycle plan is a proactive plan to trim work areas based on clearance thresholds and risk mitigation. Danger trees are prioritized and mitigated based on reliability disruption potential.

SECTION 7: UTILITY COMMENTS

SAIDI and SAIFI improved in 2023 compared to the previous 5 year average excluding major events. 238 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2023.