

KENTUCKY PUBLIC SERVICE COMMISSION
ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 1: CONTACT INFORMATION

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	2024
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SECTION 3: MAJOR EVENT DAYS (MED)

T_{MED}	3.312
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2019
LAST DATE USED TO DETERMINE T_{MED}	12/31/2023
NUMBER OF MED IN REPORTING YEAR	8

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

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

TOTAL CUSTOMERS	<u>449,149</u>	TOTAL CIRCUITS	<u>630</u>
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Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>74.50</u>	SAIDI	<u>82.43</u>
SAIFI	<u>0.796</u>	SAIFI	<u>0.822</u>

Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>393.22</u>	SAIDI	<u>433.31</u>
SAIFI	<u>1.123</u>	SAIFI	<u>1.274</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}

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** 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** 1,242
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2020
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 2.1%

Construction- 0.0%

Lightning- 6.4%

Non-Company- 0.0%

Other/Unknown- 0.1%

Overload- 0.0%

Planned Work- 45.5%

Trees- 46.1%

Utility Equipment- 0.0%

Vehicle- 0.0%

- | | |
|--|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 82.26 |
| 10.) 2024 SAIDI | 85.22 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.90 |
| 12.) 2024 SAIFI | 1.36 |

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

Reliability Improvements Scheduled for 2025

- 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** 2,219
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2020

8.) **2024 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- 86.3%

Trees- 12.4%

Utility Equipment- 0.6%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.77
- 10.) **2024 SAIDI** 83.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2024 SAIFI** 0.37

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** AB1206

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Valley Station Rd & 3rd St - E of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,416

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 5.7%

Non-Company- 0.0%

Other/Unknown- 3.5%

Overload- 0.0%

Planned Work- 50.8%

Trees- 36.7%

Utility Equipment- 2.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.51

10.) **2024 SAIDI** 136.03

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

12.) **2024 SAIFI** 0.87

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

Tree Trim Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1207
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Torrington Rd & Derring Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,658
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 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- 92.8%

Trees- 0.8%

Utility Equipment- 6.3%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.92
- 10.) **2024 SAIDI** 118.43
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2024 SAIFI** 0.56

- 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** AK1289
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville rd & Upton Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,858
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/16/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 2.5%

Construction- 0.2%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 4.8%

Overload- 0.0%

Planned Work- 16.1%

Trees- 30.9%

Utility Equipment- 45.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.53

10.) **2024 SAIDI** 67.57

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

12.) **2024 SAIFI** 1.74

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** AK1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & Bellewood Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,765
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.2%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.5%

Overload- 0.0%

Planned Work- 92.8%

Trees- 0.1%

Utility Equipment- 6.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.74

10.) **2024 SAIDI** 68.34

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51

12.) **2024 SAIFI** 1.36

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** AK1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - New English Station Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 156
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.1%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 92.8%

Trees- 0.0%

Utility Equipment- 6.8%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.42
- 10.) **2024 SAIDI** 103.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.32
- 12.) **2024 SAIFI** 1.08

- 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** 496
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 4.9%

Construction- 0.1%

Lightning- 17.6%

Non-Company- 0.0%

Other/Unknown- 0.9%

Overload- 0.0%

Planned Work- 37.6%

Trees- 38.0%

Utility Equipment- 0.8%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.86
- 10.) **2024 SAIDI** 140.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2024 SAIFI** 0.60

- 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** 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** 1,154
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 55.5%

Overload- 0.0%

Planned Work- 0.2%

Trees- 41.6%

Utility Equipment- 2.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 108.72

10.) **2024 SAIDI** 171.97

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.09

12.) **2024 SAIFI** 2.56

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** 49
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 3.7%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 42.8%

Overload- 0.0%

Planned Work- 0.0%

Trees- 53.6%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.85
- 10.) **2024 SAIDI** 100.31
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61
- 12.) **2024 SAIFI** 1.27

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** AL1442
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 4th St & S 3rd St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,276
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023

8.) **2024 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- 0.1%

Trees- 0.2%

Utility Equipment- 97.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.97

10.) **2024 SAIDI** 150.93

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

12.) **2024 SAIFI** 2.01

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** AL1444
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 15th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 33
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023
- 8.) **2024 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- 31.4%

Utility Equipment- 68.6%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.00

- 10.) **2024 SAIDI** 18.70

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

- 12.) **2024 SAIFI** 0.12

- 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)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** AS1414
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Burley Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 7
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground
- 8.) **2024 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)** 16.16

10.) **2024 SAIDI** 64.63

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

12.) **2024 SAIFI** 1.00

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** 25
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 39.9%

Other/Unknown- 26.8%

Overload- 0.0%

Planned Work- 0.0%

Trees- 33.3%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.64

10.) **2024 SAIDI** 112.70

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

12.) **2024 SAIFI** 1.04

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** AS1419
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop & National Turnpike - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2021
- 8.) **2024 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)** 8.15

10.) **2024 SAIDI** 32.58

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

12.) **2024 SAIFI** 1.00

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	BI1218
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Bishop Ln - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	3.0
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	136
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/08/2021

8.) 2024 OUTAGES BY CAUSE

Animal- 0.9%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 7.4%

Overload- 0.0%

Planned Work- 0.0%

Trees- 15.8%

Utility Equipment- 75.9%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 9.15

10.) 2024 SAIDI	23.56
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.03
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12.) 2024 SAIFI	0.06
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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** 65

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

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 83.9%

Trees- 0.0%

Utility Equipment- 15.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.84

10.) **2024 SAIDI** 305.45

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

12.) **2024 SAIFI** 1.08

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** BK0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 2nd St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 141
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 4.8%

Overload- 0.0%

Planned Work- 26.1%

Trees- 69.1%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.80
10.) 2024 SAIDI	231.14
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.27
12.) 2024 SAIFI	1.09

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

Tree Trim Scheduled for 2025

- 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** 549
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2020

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.8%

Overload- 0.0%

Planned Work- 16.7%

Trees- 71.3%

Utility Equipment- 9.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 111.63

10.) **2024 SAIDI** 127.60

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.21

12.) **2024 SAIFI** 1.28

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

Tree Trim Scheduled for 2025

1.) SUBSTATION NAME AND NUMBER	BRECKENRIDGE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 3920 Dutchmans Ln. - Louisville
3.) CIRCUIT NAME AND NUMBER	BR1182
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - I - 264 East - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	6.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	226
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/01/2020
8.) 2024 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- 3.3%
	Trees- 22.8%
	Utility Equipment- 73.9%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	105.89
10.) 2024 SAIDI	82.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.06
12.) 2024 SAIFI	1.51
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)	13.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,676
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/19/2020

8.) 2024 OUTAGES BY CAUSE

Animal-	5.5%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	3.0%
Overload-	0.0%
Planned Work-	46.7%
Trees-	43.7%
Utility Equipment-	1.1%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	86.02
10.) 2024 SAIDI	138.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.09
12.) 2024 SAIFI	0.78

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** BR1354

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.3

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 37

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2024 OUTAGES BY CAUSE**

Animal- 8.0%

Construction- 0.0%

Lightning- 7.5%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 1.9%

Trees- 66.5%

Utility Equipment- 16.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 106.46

10.) **2024 SAIDI** 277.77

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.51

12.) **2024 SAIFI** 2.95

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

Tree Trim Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1276
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Commonwealth Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 145
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.4%

Overload- 0.0%

Planned Work- 91.7%

Trees- 0.0%

Utility Equipment- 5.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.02

10.) **2024 SAIDI** 67.42

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

12.) **2024 SAIFI** 2.02

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	BLUEGRASS PARKWAY
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 11240 Bluegrass Parkway - Louisville
3.) CIRCUIT NAME AND NUMBER	BY1277
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Blankenship Rd & Plantside Dr. - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	116
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/23/2021

8.) 2024 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)	2.10
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10.) 2024 SAIDI	3.87
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.01
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12.) 2024 SAIFI	0.03
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13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1278
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ellingsworth Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,964
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.1%

Other/Unknown- 4.5%

Overload- 0.0%

Planned Work- 26.1%

Trees- 68.9%

Utility Equipment- 0.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.88

10.) **2024 SAIDI** 173.03

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

12.) **2024 SAIFI** 1.78

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	BLUEGRASS PARKWAY
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 11240 Bluegrass Parkway - Louisville
3.) CIRCUIT NAME AND NUMBER	BY1281
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Bluegrass Parkway - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	10.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	175
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/23/2021

8.) 2024 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-	97.2%
Trees-	0.0%
Utility Equipment-	2.8%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	81.14
10.) 2024 SAIDI	68.52
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.32
12.) 2024 SAIFI	2.01

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	BLUEGRASS PARKWAY
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 11240 Bluegrass Parkway - Louisville
3.) CIRCUIT NAME AND NUMBER	BY1283
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Blankenbaker Rd - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	8.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	451
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/23/2021

8.) 2024 OUTAGES BY CAUSE

Animal-	1.8%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	2.2%
Overload-	0.0%
Planned Work-	93.5%
Trees-	0.8%
Utility Equipment-	1.8%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	99.27
10.) 2024 SAIDI	73.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.26
12.) 2024 SAIFI	2.04

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	BLUEGRASS PARKWAY
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 11240 Bluegrass Parkway - Louisville
3.) CIRCUIT NAME AND NUMBER	BY1284
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Watterson Trail - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	7.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	328
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/23/2021

8.) 2024 OUTAGES BY CAUSE

Animal-	0.1%
Construction-	0.0%
Lightning-	20.6%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	12.7%
Trees-	66.5%
Utility Equipment-	0.0%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	66.07
10.) 2024 SAIDI	65.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.86
12.) 2024 SAIFI	2.01

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Moser Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 627
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2021

8.) **2024 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- 84.8%

Trees- 3.9%

Utility Equipment- 11.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.31

10.) **2024 SAIDI** 85.88

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88

12.) **2024 SAIFI** 2.14

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** 1,322
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2023
- 8.) **2024 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- 0.4%

Trees- 77.6%

Utility Equipment- 22.0%

Vehicle- 0.0%

- | | |
|--|------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 4.48 |
| 10.) 2024 SAIDI | 8.58 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.50 |
| 12.) 2024 SAIFI | 1.01 |

- 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** CA1342
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,138
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 3.4%

Non-Company- 0.0%

Other/Unknown- 0.1%

Overload- 0.0%

Planned Work- 5.9%

Trees- 86.1%

Utility Equipment- 4.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.03

10.) **2024 SAIDI** 44.94

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

12.) **2024 SAIFI** 0.50

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** CA1346
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Northwestern PKY & W Market St - W fo Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,184
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 71.4%

Overload- 0.0%

Planned Work- 2.7%

Trees- 0.0%

Utility Equipment- 26.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.03

10.) **2024 SAIDI** 81.66

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.86

12.) **2024 SAIFI** 1.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CROP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 116 N 26th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CB0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 26th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 398
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/24/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 1.2%

Lightning- 0.0%

Non-Company- 8.3%

Other/Unknown- 23.7%

Overload- 0.0%

Planned Work- 43.8%

Trees- 13.9%

Utility Equipment- 9.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.66

10.) **2024 SAIDI** 74.47

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

12.) **2024 SAIFI** 0.58

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	CENTERFIELD
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Oldham - 4210 Hwy 393 - Centerfield
3.) CIRCUIT NAME AND NUMBER	CF1201
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Centerfield - Dawkins Rd - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	53.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	562
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/19/2022

8.) 2024 OUTAGES BY CAUSE

Animal-	1.2%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	8.3%
Overload-	0.0%
Planned Work-	40.3%
Trees-	46.2%
Utility Equipment-	4.0%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	212.92
10.) 2024 SAIDI	252.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.19
12.) 2024 SAIFI	1.32

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 4210 Hwy 393 - Centerfield

3.) **CIRCUIT NAME AND NUMBER** CF1202

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - W HWY 22 & Payton Way - SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 57.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,012

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.1%

Other/Unknown- 72.7%

Overload- 0.0%

Planned Work- 6.0%

Trees- 13.6%

Utility Equipment- 6.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 178.19

10.) **2024 SAIDI** 518.89

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

12.) **2024 SAIFI** 1.88

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTERFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 4210 Hwy 393 - Centerfield
- 3.) **CIRCUIT NAME AND NUMBER** CF1203
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - S Camedn Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 63.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,229
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 6.8%

Construction- 0.0%

Lightning- 0.2%

Non-Company- 0.0%

Other/Unknown- 11.2%

Overload- 0.0%

Planned Work- 5.3%

Trees- 65.6%

Utility Equipment- 10.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.08

10.) **2024 SAIDI** 62.07

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49

12.) **2024 SAIFI** 0.54

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

Trees Trimmed in 2024

- 1.) **SUBSTATION NAME AND NUMBER** CENTERFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 4210 Hwy 393 - Centerfield
- 3.) **CIRCUIT NAME AND NUMBER** CF1204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - S Hwy 393 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 77.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,041
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.7%

Construction- 0.0%

Lightning- 64.6%

Non-Company- 0.1%

Other/Unknown- 0.9%

Overload- 0.0%

Planned Work- 11.7%

Trees- 5.0%

Utility Equipment- 16.1%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.44
- 10.) **2024 SAIDI** 81.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.41
- 12.) **2024 SAIFI** 1.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMPGROUND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4300 Campground Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CG1438
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Campground Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/31/2021
- 8.) **2024 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) | 10.46 |
| 10.) 2024 SAIDI | 41.85 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.25 |
| 12.) 2024 SAIFI | 1.00 |

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

Continue to Monitor

- 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)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 151
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023
- 8.) **2024 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)** 131.05

- 10.) **2024 SAIDI** 151.03

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

- 12.) **2024 SAIFI** 1.00

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

Continue to Monitor

- 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)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 702
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 8.0%

Overload- 0.0%

Planned Work- 92.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.69

10.) **2024 SAIDI** 51.02

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

12.) **2024 SAIFI** 0.39

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLARKS LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 934 Clarks Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CK0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Eastern PKY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 221
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2023
- 8.) **2024 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- 99.6%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.38

10.) **2024 SAIDI** 140.32

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

12.) **2024 SAIFI** 0.99

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** 2,695
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 2.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.3%

Other/Unknown- 4.3%

Overload- 0.0%

Planned Work- 26.3%

Trees- 18.7%

Utility Equipment- 47.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.67

10.) **2024 SAIDI** 134.02

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

12.) **2024 SAIFI** 0.82

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)** 16.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,118
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 69.3%

Trees- 9.9%

Utility Equipment- 20.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.92

10.) **2024 SAIDI** 170.07

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.01

12.) **2024 SAIFI** 1.35

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

Reliability Improvements Scheduled for 2025

- 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** 673
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.9%

Construction- 0.2%

Lightning- 0.0%

Non-Company- 0.2%

Other/Unknown- 18.5%

Overload- 0.0%

Planned Work- 69.0%

Trees- 0.3%

Utility Equipment- 11.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.16

10.) **2024 SAIDI** 125.79

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

12.) **2024 SAIFI** 2.19

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)** 13.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,932
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 3.5%

Other/Unknown- 1.4%

Overload- 0.0%

Planned Work- 2.4%

Trees- 80.6%

Utility Equipment- 11.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.44

10.) **2024 SAIDI** 56.06

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.75

12.) **2024 SAIFI** 1.40

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)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 12
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 20.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 77.9%

Trees- 0.0%

Utility Equipment- 2.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.19

10.) **2024 SAIDI** 51.38

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

12.) **2024 SAIFI** 0.50

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.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 100.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 426.48
- 10.) **2024 SAIDI** 11.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
- 12.) **2024 SAIFI** 0.50

- 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.) **2024 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)** 68.82
- 10.) **2024 SAIDI** 46.20
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 12.) **2024 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)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 88
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2022
- 8.) **2024 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- 87.5%

Utility Equipment- 12.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 263.78

10.) **2024 SAIDI** 699.12

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.04

12.) **2024 SAIFI** 5.10

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 Collins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1192
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Winchester Acres Rd & La Grange Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,115
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 4.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 75.6%

Trees- 17.4%

Utility Equipment- 2.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.43

10.) **2024 SAIDI** 182.05

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

12.) **2024 SAIFI** 1.08

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 Collins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1193
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Rollington Rd, Collins Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 296
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 70.4%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.8%

Overload- 0.0%

Planned Work- 21.7%

Trees- 0.0%

Utility Equipment- 7.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.51

10.) **2024 SAIDI** 4.92

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.01

12.) **2024 SAIFI** 0.03

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 Collins 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** 1,156
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2020

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.5%

Non-Company- 0.0%

Other/Unknown- 1.0%

Overload- 0.0%

Planned Work- 87.3%

Trees- 8.0%

Utility Equipment- 3.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 114.77
- 10.) **2024 SAIDI** 167.20
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.26
- 12.) **2024 SAIFI** 1.67

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** CS1260
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Buckman St & N Preston Hwy - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 249
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/15/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 4.8%

Trees- 0.2%

Utility Equipment- 93.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.25

10.) **2024 SAIDI** 58.03

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

12.) **2024 SAIFI** 0.53

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	369
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/07/2023

8.) 2024 OUTAGES BY CAUSE

Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	16.1%
Overload-	0.0%
Planned Work-	66.9%
Trees-	12.5%
Utility Equipment-	4.6%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	35.15
10.) 2024 SAIDI	34.74
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.27
12.) 2024 SAIFI	0.33

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** CT0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave, Bank St, & N 28th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 471
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.1%

Other/Unknown- 30.2%

Overload- 0.0%

Planned Work- 20.1%

Trees- 0.3%

Utility Equipment- 49.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.45

10.) **2024 SAIDI** 92.86

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

12.) **2024 SAIFI** 0.62

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)** 49.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,970
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 18.5%

Construction- 0.0%

Lightning- 0.1%

Non-Company- 0.0%

Other/Unknown- 0.5%

Overload- 0.0%

Planned Work- 61.7%

Trees- 11.3%

Utility Equipment- 7.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.40

10.) **2024 SAIDI** 107.29

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

12.) **2024 SAIFI** 1.60

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)** 35.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,534
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.4%

Construction- 0.0%

Lightning- 4.5%

Non-Company- 1.1%

Other/Unknown- 19.1%

Overload- 0.0%

Planned Work- 36.3%

Trees- 37.3%

Utility Equipment- 1.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.68

10.) **2024 SAIDI** 129.60

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.17

12.) **2024 SAIFI** 1.60

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

Reliability Improvements Scheduled for 2025

1.)	SUBSTATION NAME AND NUMBER	CRESTWOOD
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Oldham - Floydsburg Rd. - Crestwood
3.)	CIRCUIT NAME AND NUMBER	CW1227
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Crestwood - HWY 22, Carriage Hill Dr, & Mary Clayton Ln - NE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	31.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	990
7.)	DATE OF LAST CIRCUIT TRIM (VM)	12/17/2022
8.)	2024 OUTAGES BY CAUSE	
	Animal-	2.8%
	Construction-	0.0%
	Lightning-	6.3%
	Non-Company-	0.0%
	Other/Unknown-	1.3%
	Overload-	0.0%
	Planned Work-	54.6%
	Trees-	33.2%
	Utility Equipment-	1.9%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.97
10.)	2024 SAIDI	21.12
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.)	2024 SAIFI	0.27
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** CW1228
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - HWY 329, I 71, Covered Bridge Rd, & Halls Hill Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 78.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,511
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 7.7%

Non-Company- 0.0%

Other/Unknown- 26.4%

Overload- 0.0%

Planned Work- 6.1%

Trees- 51.6%

Utility Equipment- 7.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.03

10.) **2024 SAIDI** 207.63

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94

12.) **2024 SAIFI** 2.07

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	CLAY LGE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 908 Clay St. - Louisville	
3.) CIRCUIT NAME AND NUMBER	CY1481	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - S Preston St, S Floyd St, E KY St, & 3rd St - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	801	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/17/2022	
8.) 2024 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-	25.0%
	Trees-	75.0%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		89.29
10.) 2024 SAIDI		60.73
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.20
12.) 2024 SAIFI		1.79
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) SUBSTATION NAME AND NUMBER	CLAY LGE
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)	4.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	129
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/17/2022

8.) 2024 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-	72.0%
Trees-	0.0%
Utility Equipment-	28.0%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.33
10.) 2024 SAIDI	12.20
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) 2024 SAIFI	0.26

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** DA1237
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Landor Ave, & Wood Creek Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 952
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.5%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 8.2%

Overload- 0.0%

Planned Work- 60.9%

Trees- 29.9%

Utility Equipment- 0.6%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.05

- 10.) **2024 SAIDI** 102.09

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

- 12.) **2024 SAIFI** 0.79

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

Trees Trimmed in 2024

- 1.) **SUBSTATION NAME AND NUMBER** DAHLIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1238
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Gold Smith Ln, & Peabody Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,779
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 2.0%

Construction- 0.0%

Lightning- 9.3%

Non-Company- 0.0%

Other/Unknown- 2.6%

Overload- 0.0%

Planned Work- 28.9%

Trees- 46.6%

Utility Equipment- 10.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.79

10.) **2024 SAIDI** 40.91

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

12.) **2024 SAIFI** 1.16

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** DA1239

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gardiner Ln, I 265 E, & Newburg Rd - SW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,421

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.5%

Overload- 0.0%

Planned Work- 50.8%

Trees- 42.9%

Utility Equipment- 4.1%

Vehicle- 0.0%

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

10.) **2024 SAIDI** 122.34

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

12.) **2024 SAIFI** 0.88

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

Reliability Improvements Completed in 2024

- 1.) **SUBSTATION NAME AND NUMBER** DAHLIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, & Village Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,397
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 83.5%

Trees- 13.9%

Utility Equipment- 1.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.92
- 10.) **2024 SAIDI** 52.55
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2024 SAIFI** 0.52

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** DA1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Doup Ave, Taylorsville Rd, & Millvale Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,285
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 1.0%

Construction- 0.0%

Lightning- 4.3%

Non-Company- 0.0%

Other/Unknown- 0.2%

Overload- 0.0%

Planned Work- 47.8%

Trees- 34.2%

Utility Equipment- 12.5%

Vehicle- 0.0%

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

10.) **2024 SAIDI** 152.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.05

12.) **2024 SAIFI** 1.67

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

Trees Trimmed in 2024

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1309 Dumesnil St - Louisville

3.) **CIRCUIT NAME AND NUMBER** DU0003

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 15th St, Wilson Ave, & W Kentucky St - W & N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 387

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 3.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 33.1%

Overload- 11.5%

Planned Work- 11.6%

Trees- 37.9%

Utility Equipment- 2.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.32

10.) **2024 SAIDI** 29.64

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21

12.) **2024 SAIFI** 0.32

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)	20.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	3,136
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/19/2023
8.) 2024 OUTAGES BY CAUSE	
	Animal- 4.6%
	Construction- 0.0%
	Lightning- 0.0%
	Non-Company- 0.0%
	Other/Unknown- 14.0%
	Overload- 0.0%
	Planned Work- 49.5%
	Trees- 27.7%
	Utility Equipment- 4.1%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	73.71
10.) 2024 SAIDI	112.56
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.79
12.) 2024 SAIFI	0.51
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Reliability Improvements Scheduled for 2025

1.) SUBSTATION NAME AND NUMBER	DIXIE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 1706 Bernheim Ln. - Louisville
3.) CIRCUIT NAME AND NUMBER	DX1223
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Dixie Hwy, S 2nd St, & Hale Ave - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	17.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,708
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/14/2023

8.) 2024 OUTAGES BY CAUSE

Animal-	1.7%
Construction-	0.0%
Lightning-	0.9%
Non-Company-	0.0%
Other/Unknown-	5.2%
Overload-	0.0%
Planned Work-	28.0%
Trees-	56.3%
Utility Equipment-	7.9%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	42.62
10.) 2024 SAIDI	73.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.41
12.) 2024 SAIFI	0.30

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	ET1169
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Hikes Ln, Champ Trace Ln, & Bashford Manor Ln - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	5.6
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	700
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/30/2020

8.) 2024 OUTAGES BY CAUSE

Animal-	3.0%
Construction-	0.0%
Lightning-	3.5%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	62.7%
Trees-	30.2%
Utility Equipment-	0.5%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	143.26
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10.)	2024 SAIDI	56.03
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.63
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12.)	2024 SAIFI	0.69
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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	ET1171
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Newburg Rd, E Indian Trl, & Poplar Level Rd - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	18.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,574
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/30/2020
8.) 2024 OUTAGES BY CAUSE	
	Animal- 1.6%
	Construction- 0.0%
	Lightning- 0.0%
	Non-Company- 0.0%
	Other/Unknown- 15.6%
	Overload- 0.0%
	Planned Work- 69.1%
	Trees- 6.1%
	Utility Equipment- 7.7%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.34
10.) 2024 SAIDI	52.53
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) 2024 SAIFI	0.28
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	2,030
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/11/2020

8.) 2024 OUTAGES BY CAUSE

Animal- 1.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 2.2%

Other/Unknown- 1.8%

Overload- 0.0%

Planned Work- 35.8%

Trees- 47.6%

Utility Equipment- 11.2%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	53.90
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10.) 2024 SAIDI	88.38
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11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.39
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12.) 2024 SAIFI	0.65
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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	ET1422
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Bardstown Rd, Goldsmith Ln, & Shepherdsville Rd - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	6.2
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	280
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/02/2020

8.) 2024 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 2.6%

Lightning- 85.4%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 6.7%

Trees- 0.0%

Utility Equipment- 5.2%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	56.50
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10.) 2024 SAIDI	208.37
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11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46
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12.)	2024 SAIFI	1.68
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13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD WEST
- 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)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 368
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/22/2020

8.) **2024 OUTAGES BY CAUSE**

Animal- 4.5%

Construction- 0.3%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 90.5%

Overload- 0.0%

Planned Work- 0.7%

Trees- 2.0%

Utility Equipment- 2.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.13

10.) **2024 SAIDI** 207.65

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

12.) **2024 SAIFI** 1.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 100 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EW1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gilliland Rd, Shelbyville Rd, & Long Run Rd - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 83.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,262
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2020

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 4.1%

Overload- 0.0%

Planned Work- 62.9%

Trees- 14.7%

Utility Equipment- 16.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.75

10.) **2024 SAIDI** 126.30

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

12.) **2024 SAIFI** 0.73

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	FARNSLEY	
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)	19.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	918	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/30/2021	
8.) 2024 OUTAGES BY CAUSE		
	Animal- 1.3%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 6.1%	
	Overload- 0.0%	
	Planned Work- 11.9%	
	Trees- 80.6%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		179.18
10.) 2024 SAIDI		168.74
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.88
12.) 2024 SAIFI		1.29
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** FA1215
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Orchard Way, S Crums Ln, Dover Rd, & Burrell Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,685
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/16/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 4.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 9.0%

Trees- 86.6%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.79

10.) **2024 SAIDI** 69.06

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

12.) **2024 SAIFI** 1.20

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** FA1216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crums Ln, Hillview Ave, & Garrs Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,335
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 9.2%

Other/Unknown- 3.7%

Overload- 0.0%

Planned Work- 3.5%

Trees- 60.6%

Utility Equipment- 23.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.48
- 10.) **2024 SAIDI** 105.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.43
- 12.) **2024 SAIFI** 1.78

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

Trees Trimmed in 2024

1.) **SUBSTATION NAME AND NUMBER** FALLS CITY

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1048 S 43rd St - Louisville

3.) **CIRCUIT NAME AND NUMBER** FC0001

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenwood Ave & Cecil Ave - E of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 491

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 26.2%

Overload- 0.0%

Planned Work- 22.1%

Trees- 51.7%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.05

10.) **2024 SAIDI** 59.67

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

12.) **2024 SAIFI** 0.22

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	FC0004	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Greenwood Ave, S 45th St, & Garland Ave - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	416	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/10/2023	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	16.5%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	1.5%
	Planned Work-	11.2%
	Trees-	70.4%
	Utility Equipment-	0.3%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		103.47
10.) 2024 SAIDI		99.09
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.54
12.) 2024 SAIFI		0.70
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** 1,586
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 7.9%

Overload- 0.0%

Planned Work- 51.2%

Trees- 17.7%

Utility Equipment- 23.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.67

10.) **2024 SAIDI** 73.48

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

12.) **2024 SAIFI** 0.80

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)** 29.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,396
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.5%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.1%

Overload- 0.0%

Planned Work- 51.2%

Trees- 9.2%

Utility Equipment- 36.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.38

10.) **2024 SAIDI** 98.65

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

12.) **2024 SAIFI** 2.03

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** FH1214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Freys Hill Rd, Evergreen Rd, & Park Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 727
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 3.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 5.7%

Overload- 0.0%

Planned Work- 83.9%

Trees- 7.2%

Utility Equipment- 0.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 147.22

10.) **2024 SAIDI** 280.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.10

12.) **2024 SAIFI** 2.39

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	FH1215	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Springhurst Blvd, Fischer Pard Dr, & I 265 S - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	4.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	81	
7.) DATE OF LAST CIRCUIT TRIM (VM)	Underground	
8.) 2024 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)		51.42
10.) 2024 SAIDI		7.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.52
12.) 2024 SAIFI		0.98
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	1,070	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/10/2019	
8.) 2024 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)		60.79
10.) 2024 SAIDI		6.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.77
12.) 2024 SAIFI		1.01
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** FH1217
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd & Chamberlain Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 556
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.1%

Overload- 0.0%

Planned Work- 1.5%

Trees- 34.7%

Utility Equipment- 62.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 231.61

10.) **2024 SAIDI** 563.35

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

12.) **2024 SAIFI** 6.52

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

Trees Trimmed in 2024

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1495
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Floyd St, Burnett Ave, & Shelby St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,056
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 97.6%

Overload- 0.0%

Planned Work- 2.4%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.82

10.) **2024 SAIDI** 55.25

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

12.) **2024 SAIFI** 1.01

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** FL1497

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Floyd St & Crittenden Dr - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 428

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2019

8.) **2024 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)** 35.20

10.) **2024 SAIDI** 90.22

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

12.) **2024 SAIFI** 0.86

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** FM1256
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Lands Ln, & HWY 44 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 38.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,068
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/16/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.1%

Other/Unknown- 0.9%

Overload- 0.0%

Planned Work- 8.4%

Trees- 80.2%

Utility Equipment- 10.2%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.60
- 10.) **2024 SAIDI** 60.48
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
- 12.) **2024 SAIFI** 0.32

- 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)** 47.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,832
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.3%

Overload- 0.0%

Planned Work- 87.6%

Trees- 5.9%

Utility Equipment- 4.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.25

10.) **2024 SAIDI** 21.01

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08

12.) **2024 SAIFI** 0.17

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** FM1261
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fairmount Rd, Back Run Rd, & Dawson Hill Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 866
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/20/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 5.8%

Construction- 0.2%

Lightning- 1.1%

Non-Company- 0.0%

Other/Unknown- 2.9%

Overload- 0.0%

Planned Work- 8.7%

Trees- 81.2%

Utility Equipment- 0.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 138.42

10.) **2024 SAIDI** 231.91

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.23

12.) **2024 SAIFI** 1.81

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)	33.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,226	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/28/2021	
8.) 2024 OUTAGES BY CAUSE		
	Animal- 0.1%	
	Construction- 0.0%	
	Lightning- 4.8%	
	Non-Company- 0.0%	
	Other/Unknown- 3.2%	
	Overload- 0.0%	
	Planned Work- 0.7%	
	Trees- 17.4%	
	Utility Equipment- 73.8%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		31.39
10.) 2024 SAIDI		27.79
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.39
12.) 2024 SAIFI		0.59
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH STREET
- 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** 359
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023
- 8.) **2024 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- 12.6%

Trees- 54.1%

Utility Equipment- 33.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 123.32

10.) **2024 SAIDI** 182.46

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

12.) **2024 SAIFI** 1.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 128 N 44th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FO0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Duncan St & N Longworth Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 248
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 3.7%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 50.7%

Trees- 16.4%

Utility Equipment- 29.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 70.49

10.) **2024 SAIDI** 207.93

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

12.) **2024 SAIFI** 0.74

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** 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** 1,841
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.5%

Construction- 0.0%

Lightning- 2.7%

Non-Company- 0.0%

Other/Unknown- 23.7%

Overload- 0.0%

Planned Work- 69.6%

Trees- 2.1%

Utility Equipment- 1.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.40

10.) **2024 SAIDI** 105.31

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

12.) **2024 SAIFI** 0.99

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** FV1138

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fern Valley Rd & Shepherdsville Rd - E of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,565

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/01/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 10.1%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 21.7%

Trees- 16.6%

Utility Equipment- 51.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.04

10.) **2024 SAIDI** 18.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.07

12.) **2024 SAIFI** 0.11

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** FV1139
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Industrial Blvd, Grade Ln, & Knopp Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 219
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 82.6%

Overload- 0.0%

Planned Work- 1.7%

Trees- 5.4%

Utility Equipment- 9.5%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.34
- 10.) **2024 SAIDI** 151.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67
- 12.) **2024 SAIFI** 0.52

- 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** FV1140
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Minor Ln, & Rossmoor Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,341
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/01/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 4.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 93.8%

Overload- 0.0%

Planned Work- 0.8%

Trees- 0.4%

Utility Equipment- 0.7%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 165.43
- 10.) **2024 SAIDI** 296.05
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03
- 12.) **2024 SAIFI** 0.97

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** FV1141
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hanes Dr, Poplar Level Rd, & Rangeland Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,437
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.4%

Construction- 0.0%

Lightning- 1.2%

Non-Company- 7.3%

Other/Unknown- 54.5%

Overload- 0.0%

Planned Work- 4.7%

Trees- 1.8%

Utility Equipment- 30.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.26

10.) **2024 SAIDI** 266.90

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.05

12.) **2024 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** 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.) **2024 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- 22.7%

Trees- 0.0%

Utility Equipment- 77.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.13

10.) **2024 SAIDI** 87.78

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23

12.) **2024 SAIFI** 0.87

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** 29

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 28.7%

Non-Company- 0.0%

Other/Unknown- 1.2%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 70.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 251.87

10.) **2024 SAIDI** 443.22

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88

12.) **2024 SAIFI** 1.14

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)** 7.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 117

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 99.5%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.1%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 165.47

10.) **2024 SAIDI** 559.34

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

12.) **2024 SAIFI** 1.88

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	GRAND
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 1038 S 34th St - Louisville
3.) CIRCUIT NAME AND NUMBER	GD0002
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Louis Coleman Jr Dr, Virginia Ave, & Kirby Ave - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	585
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/13/2023
8.) 2024 OUTAGES BY CAUSE	
	Animal- 0.0%
	Construction- 0.0%
	Lightning- 0.0%
	Non-Company- 4.6%
	Other/Unknown- 76.8%
	Overload- 0.0%
	Planned Work- 7.0%
	Trees- 0.2%
	Utility Equipment- 11.4%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	64.76
10.) 2024 SAIDI	108.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2024 SAIFI	0.42
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1038 S 34th St - Louisville

3.) **CIRCUIT NAME AND NUMBER** GD0003

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Louisville Coleman Jr Dr - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 156

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 88.9%

Other/Unknown- 11.1%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.90

10.) **2024 SAIDI** 7.82

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06

12.) **2024 SAIFI** 0.07

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1038 S 34th St - Louisville

3.) **CIRCUIT NAME AND NUMBER** GD0004

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenwood Ave & S 38th St - W of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 230

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 45.9%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.5%

Overload- 0.0%

Planned Work- 32.3%

Trees- 21.2%

Utility Equipment- 0.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.54

10.) **2024 SAIDI** 64.65

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

12.) **2024 SAIFI** 0.51

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GILLIGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 35th Street & Gilligan Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GI0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bank ST, 33rd St, Portland Ave, & Rudd Ave - N & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 674
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/10/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 95.4%

Overload- 0.0%

Planned Work- 4.6%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 133.19

10.) **2024 SAIDI** 201.19

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

12.) **2024 SAIFI** 1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GILLIGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 35th Street & Gilligan Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 32nd St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 173
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/10/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 83.3%

Overload- 0.0%

Planned Work- 0.7%

Trees- 0.0%

Utility Equipment- 16.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 147.85
- 10.) **2024 SAIDI** 354.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
- 12.) **2024 SAIFI** 1.86

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GILLIGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 35th Street & Gilligan Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bank St, N 39th St, & S 38th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 480
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/10/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 46.6%

Overload- 0.0%

Planned Work- 50.2%

Trees- 0.5%

Utility Equipment- 2.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 223.73

10.) **2024 SAIDI** 688.98

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22

12.) **2024 SAIFI** 3.08

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** GO0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Goss Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 42
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2022

8.) **2024 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- 85.2%

Trees- 0.0%

Utility Equipment- 14.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.27

10.) **2024 SAIDI** 87.18

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23

12.) **2024 SAIFI** 0.38

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** GO0002
- 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** 704
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2022

8.) **2024 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- 17.9%

Trees- 6.3%

Utility Equipment- 75.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.54

10.) **2024 SAIDI** 47.68

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

12.) **2024 SAIFI** 0.62

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** GO0003

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** 411

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2022

8.) **2024 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- 90.3%

Trees- 1.3%

Utility Equipment- 8.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.09

10.) **2024 SAIDI** 32.03

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

12.) **2024 SAIFI** 0.15

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	HB1141
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Embassy Square Blvd, Doral Ct, & Bunsen Pky - NW of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	7.1
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	932
7.)	DATE OF LAST CIRCUIT TRIM (VM)	09/09/2023

8.) 2024 OUTAGES BY CAUSE

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.1%

Utility Equipment- 99.6%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	140.88
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10.) 2024 SAIDI	556.86
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11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.51
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12.) 2024 SAIFI	2.01
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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 Subsation
5.) TOTAL CIRCUIT LENGTH (MILES)	9.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	404
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/18/2023

8.) 2024 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- 5.7%

Trees- 0.0%

Utility Equipment- 94.3%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	64.83
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10.) 2024 SAIDI	149.28
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.58
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12.)	2024 SAIFI	1.68
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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	HB1147
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - I 64 W, Linn Station Rd, & Timberwood Cir - NNW of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	15.5
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	528
7.)	DATE OF LAST CIRCUIT TRIM (VM)	01/01/2024

8.) 2024 OUTAGES BY CAUSE

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.2%

Overload- 0.0%

Planned Work- 89.5%

Trees- 3.1%

Utility Equipment- 6.9%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	107.95
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10.) 2024 SAIDI	285.05
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11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.17
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12.)	2024 SAIFI	2.79
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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	327
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/18/2023

8.) 2024 OUTAGES BY CAUSE

Animal-	1.6%
Construction-	0.0%
Lightning-	2.5%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	83.6%
Trees-	0.0%
Utility Equipment-	12.3%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	136.67
10.) 2024 SAIDI	49.95
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
12.) 2024 SAIFI	0.27

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** HC1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Birchwood Ave, & Brownsboro Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,549
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 2.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.3%

Overload- 0.0%

Planned Work- 41.7%

Trees- 53.8%

Utility Equipment- 1.7%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.46
- 10.) **2024 SAIDI** 62.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2024 SAIFI** 0.42

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

Trees Trimmed in 2024

- 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** 855
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 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- 42.7%

Trees- 32.1%

Utility Equipment- 25.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 152.49

10.) **2024 SAIDI** 192.56

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

12.) **2024 SAIFI** 1.06

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

Trees Trimmed in 2024

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)	19.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,324	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/01/2024	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.1%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	61.3%
	Trees-	5.7%
	Utility Equipment-	32.8%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		72.51
10.) 2024 SAIDI		60.19
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.30
12.) 2024 SAIFI		0.31
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** 1,135
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.2%

Construction- 0.0%

Lightning- 13.4%

Non-Company- 0.0%

Other/Unknown- 9.3%

Overload- 0.0%

Planned Work- 52.3%

Trees- 21.4%

Utility Equipment- 3.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 183.32

10.) **2024 SAIDI** 239.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.10

12.) **2024 SAIFI** 1.42

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.) 2024 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- 69.0%
	Trees- 31.0%
	Utility Equipment- 0.0%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	74.89
10.) 2024 SAIDI	83.54
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.21
12.) 2024 SAIFI	1.14
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Tree Trim Scheduled for 2025

- 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.) **2024 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- 50.4%

Trees- 49.6%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.20

10.) **2024 SAIDI** 138.82

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.75

12.) **2024 SAIFI** 0.98

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	683	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/17/2023	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	93.6%
	Overload-	0.0%
	Planned Work-	2.0%
	Trees-	4.4%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		124.88
10.) 2024 SAIDI		92.41
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.74
12.) 2024 SAIFI		1.06
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** HE0003

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 38th St, Amy Ave, & W Muhammad Ali Blvd - N & SW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 669

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/17/2023

8.) **2024 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- 1.3%

Trees- 1.9%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.17

10.) **2024 SAIDI** 123.05

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

12.) **2024 SAIFI** 0.81

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stevens Ave, Baxter Ave, Barret Ave & Winter Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,704
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 10.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.1%

Overload- 0.0%

Planned Work- 45.4%

Trees- 3.6%

Utility Equipment- 38.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.06

10.) **2024 SAIDI** 93.25

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88

12.) **2024 SAIFI** 1.77

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

Reliability Improvements Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Grinstead Dr, Baxter Ave, & Payne St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 350
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2021
- 8.) **2024 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- 99.9%

Utility Equipment- 0.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.48

10.) **2024 SAIDI** 131.97

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

12.) **2024 SAIFI** 1.38

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

Tree Trim Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1475
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cherokee Pky, Bardstown Rd, & Richmond Dr - N & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 21
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 7.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 8.4%

Utility Equipment- 84.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.38

10.) **2024 SAIDI** 133.39

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70

12.) **2024 SAIFI** 2.10

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** HK1233

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 42, Hunting Creek Dr, & Westover Dr - NE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,222

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 36.4%

Overload- 0.0%

Planned Work- 54.5%

Trees- 7.4%

Utility Equipment- 1.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.30

10.) **2024 SAIDI** 173.45

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

12.) **2024 SAIFI** 0.92

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	HK1234
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - HWY 42, Wolf Pen Branch Rd, & Barbour Ln - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	54.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,334
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/01/2024

8.) 2024 OUTAGES BY CAUSE

Animal-	1.2%
Construction-	0.0%
Lightning-	3.1%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	33.1%
Trees-	53.7%
Utility Equipment-	8.9%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	75.85
10.) 2024 SAIDI	98.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.72
12.) 2024 SAIFI	0.68

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

Trees Trimmed in 2024

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)** 23.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,471

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.9%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 31.3%

Trees- 43.4%

Utility Equipment- 24.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.98

10.) **2024 SAIDI** 73.62

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

12.) **2024 SAIFI** 0.58

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

Trees Trimmed in 2024

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)	19.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	541	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/28/2023	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	0.2%
	Construction-	0.0%
	Lightning-	2.3%
	Non-Company-	0.0%
	Other/Unknown-	1.3%
	Overload-	0.0%
	Planned Work-	94.1%
	Trees-	1.6%
	Utility Equipment-	0.6%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		135.95
10.) 2024 SAIDI		135.49
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.56
12.) 2024 SAIFI		2.00
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** HK1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Rd, Shirley Ave, & Duroc Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 583
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 1.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 20.0%

Overload- 0.0%

Planned Work- 64.8%

Trees- 14.3%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.07

10.) **2024 SAIDI** 38.79

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

12.) **2024 SAIFI** 0.30

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	HK1243	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - US 42, Covered Bridge Rd, Rose Island Rd, & River Bluff Rd - NNE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	53.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,524	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/18/2022	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	0.1%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	37.3%
	Overload-	0.0%
	Planned Work-	39.2%
	Trees-	21.4%
	Utility Equipment-	2.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		140.73
10.) 2024 SAIDI		90.40
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.12
12.) 2024 SAIFI		1.29
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** 389

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/24/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.9%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.5%

Overload- 0.0%

Planned Work- 26.2%

Trees- 71.5%

Utility Equipment- 0.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.72

10.) **2024 SAIDI** 203.76

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

12.) **2024 SAIFI** 0.81

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** HL1156
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - US 42, Harmony Landing Rd, & Hwy 1793 - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 51.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,292
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 7.1%

Overload- 0.0%

Planned Work- 22.3%

Trees- 68.8%

Utility Equipment- 1.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.85

10.) **2024 SAIDI** 67.47

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

12.) **2024 SAIFI** 0.79

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** HL1157
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - Meadowridge Trl, Hwy 1793, & Rose Island Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,345
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.5%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 19.1%

Overload- 0.0%

Planned Work- 65.5%

Trees- 13.0%

Utility Equipment- 0.9%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 259.63
- 10.) **2024 SAIDI** 477.96
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.00
- 12.) **2024 SAIFI** 5.31

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

Reliability Improvements Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** HANCOCK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 630 E Caldwell St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HN1200
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelby St, E Broadway, Baxter Ave, & Cherokee Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,913
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 57.1%

Construction- 0.0%

Lightning- 32.2%

Non-Company- 0.2%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 8.0%

Trees- 1.0%

Utility Equipment- 1.4%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 112.42
- 10.) **2024 SAIDI** 121.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18
- 12.) **2024 SAIFI** 0.93

- 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** 918
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 38.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.2%

Overload- 0.0%

Planned Work- 47.1%

Trees- 2.7%

Utility Equipment- 12.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.93

10.) **2024 SAIDI** 144.87

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67

12.) **2024 SAIFI** 1.37

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** 1,246
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.6%

Construction- 0.2%

Lightning- 4.1%

Non-Company- 0.0%

Other/Unknown- 6.9%

Overload- 0.0%

Planned Work- 14.3%

Trees- 73.8%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.48

10.) **2024 SAIDI** 113.40

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

12.) **2024 SAIFI** 1.20

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** IN1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd, Greenbelt Hwy, & Rockaway Dr - ENE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,164
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/20/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 1.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 37.8%

Overload- 0.0%

Planned Work- 56.4%

Trees- 0.6%

Utility Equipment- 3.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.38

10.) **2024 SAIDI** 50.06

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

12.) **2024 SAIFI** 0.60

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** IN1296
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenwood Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 640
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.9%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 14.8%

Trees- 70.6%

Utility Equipment- 13.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.85

10.) **2024 SAIDI** 137.41

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

12.) **2024 SAIFI** 1.19

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	JEFFERSONTOWN
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 11412 Taylorsville Rd. - Louisville
3.) CIRCUIT NAME AND NUMBER	JT1121
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Taylorsville Rd, Neal Dr, & Watterson Trl - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	14.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,559
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/23/2022

8.) 2024 OUTAGES BY CAUSE

Animal-	0.5%
Construction-	0.0%
Lightning-	1.9%
Non-Company-	0.0%
Other/Unknown-	1.5%
Overload-	0.0%
Planned Work-	39.4%
Trees-	52.9%
Utility Equipment-	3.8%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	22.20
10.) 2024 SAIDI	24.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.16
12.) 2024 SAIFI	0.13

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

Continue to Monitor

Animal-	0.0%
Construction-	0.0%
Lightning-	0.1%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	93.4%
Trees-	3.6%
Utility Equipment-	2.9%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.53
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10.) 2024 SAIDI	47.89
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
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12.) 2024 SAIFI	0.10
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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** KE1155

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southside Dr, 3rd St, & W Southland Blvd - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,264

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 7.3%

Construction- 0.0%

Lightning- 41.9%

Non-Company- 0.0%

Other/Unknown- 7.1%

Overload- 0.0%

Planned Work- 29.4%

Trees- 8.4%

Utility Equipment- 5.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.34

10.) **2024 SAIDI** 76.03

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

12.) **2024 SAIFI** 0.52

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** KE1156

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Strawberry Ln, Southside Dr, & National TPke - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,268

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 44.5%

Other/Unknown- 16.7%

Overload- 0.0%

Planned Work- 0.9%

Trees- 37.9%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.25

10.) **2024 SAIDI** 178.72

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.16

12.) **2024 SAIFI** 1.48

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

Tree Trim Scheduled for 2025

- 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** 2,433
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/10/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 1.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 11.8%

Other/Unknown- 2.6%

Overload- 0.0%

Planned Work- 13.8%

Trees- 66.4%

Utility Equipment- 4.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.14

10.) **2024 SAIDI** 127.24

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70

12.) **2024 SAIFI** 1.93

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)	12.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,452	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/01/2024	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	1.5%
	Construction-	0.0%
	Lightning-	4.5%
	Non-Company-	0.0%
	Other/Unknown-	0.7%
	Overload-	0.0%
	Planned Work-	58.1%
	Trees-	30.3%
	Utility Equipment-	5.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		109.33
10.) 2024 SAIDI		87.03
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.02
12.) 2024 SAIFI		1.23
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 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)** 6.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 740

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2021

8.) **2024 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- 39.0%

Trees- 46.5%

Utility Equipment- 14.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.16

10.) **2024 SAIDI** 75.88

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

12.) **2024 SAIFI** 0.93

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 1130 Logan St, St Catherine St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LG0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Logan St, E Kentucky St, & Swan St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 293
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2022

8.) **2024 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- 24.9%

Trees- 63.0%

Utility Equipment- 12.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.34

10.) **2024 SAIDI** 49.08

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

12.) **2024 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 1130 Logan St, St Catherine St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LG0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Logan St, Goss Ave, & Charles St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 740
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2022

8.) **2024 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- 37.4%

Trees- 59.8%

Utility Equipment- 2.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.68

10.) **2024 SAIDI** 55.48

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22

12.) **2024 SAIFI** 0.39

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	LN0001
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Shelby St - NE & SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	3.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	585
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/15/2022

8.) 2024 OUTAGES BY CAUSE

Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	23.1%
Overload-	1.5%
Planned Work-	0.9%
Trees-	52.1%
Utility Equipment-	22.5%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.98
10.) 2024 SAIDI	13.28
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.) 2024 SAIFI	0.06

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** LN0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Barbee Ave, Crittenden Dr, Warnock St, & Floyd St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 451
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2022
- 8.) **2024 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- 15.4%

Trees- 23.6%

Utility Equipment- 61.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.65
- 10.) **2024 SAIDI** 44.93
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2024 SAIFI** 0.39

- 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)** 18.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,902
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.5%

Construction- 0.0%

Lightning- 0.1%

Non-Company- 0.0%

Other/Unknown- 12.6%

Overload- 0.0%

Planned Work- 74.7%

Trees- 5.1%

Utility Equipment- 5.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 97.02

10.) **2024 SAIDI** 158.22

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

12.) **2024 SAIFI** 0.79

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

Reliability Improvements Completed in 2024

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	534	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/01/2024	
8.) 2024 OUTAGES BY CAUSE		
	Animal- 5.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 1.2%	
	Overload- 0.0%	
	Planned Work- 53.5%	
	Trees- 39.6%	
	Utility Equipment- 0.8%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		111.78
10.) 2024 SAIDI		88.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.25
12.) 2024 SAIFI		2.10
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2024	

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Bellemeade
- 3.) **CIRCUIT NAME AND NUMBER** LS1244
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lyndon - New La Grange Rd, La Grange Rd, Whipps Mill Rd - N & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,910
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 3.0%

Overload- 0.1%

Planned Work- 7.5%

Trees- 64.0%

Utility Equipment- 24.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.17

10.) **2024 SAIDI** 160.04

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

12.) **2024 SAIFI** 1.28

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** 1,931
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/26/2020
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 8.9%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 7.9%

Overload- 0.0%

Planned Work- 28.6%

Trees- 45.1%

Utility Equipment- 9.5%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.59
- 10.) **2024 SAIDI** 27.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2024 SAIFI** 0.16

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MILL CREEK SWITCHING
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 14660 Dixie Hwy - Louisville
3.) CIRCUIT NAME AND NUMBER	MC1261
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Dixie Hwy, Pendleton Rd, & Blevins Gap Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	67.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	3,042
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/13/2024

8.) 2024 OUTAGES BY CAUSE

Animal-	0.3%
Construction-	4.0%
Lightning-	2.1%
Non-Company-	0.0%
Other/Unknown-	1.7%
Overload-	0.0%
Planned Work-	82.0%
Trees-	6.8%
Utility Equipment-	3.2%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	56.51
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10.) 2024 SAIDI	75.41
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.71
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12.) 2024 SAIFI	1.36
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13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MILL CREEK SWITCHING	
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)	19.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,304	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/13/2024	
8.) 2024 OUTAGES BY CAUSE		
	Animal- 1.3%	
	Construction- 0.0%	
	Lightning- 35.9%	
	Non-Company- 0.0%	
	Other/Unknown- 0.5%	
	Overload- 0.0%	
	Planned Work- 18.4%	
	Trees- 40.5%	
	Utility Equipment- 3.4%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		68.58
10.) 2024 SAIDI		48.51
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.05
12.) 2024 SAIFI		1.16
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2024	

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	25
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/03/2022

8.) 2024 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)	47.95
10.) 2024 SAIDI	35.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.) 2024 SAIFI	0.80

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** MD1452

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, E Main St, & River Rd - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 537

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 13.7%

Lightning- 33.5%

Non-Company- 0.0%

Other/Unknown- 21.1%

Overload- 0.0%

Planned Work- 0.7%

Trees- 9.3%

Utility Equipment- 21.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 172.04

10.) **2024 SAIDI** 301.91

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.57

12.) **2024 SAIFI** 3.01

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** MG0407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chestnut St, Quest Dr, & Muhammad Ali Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 661
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023
- 8.) **2024 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- 51.6%

Utility Equipment- 48.4%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 196.99
- 10.) **2024 SAIDI** 190.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.35
- 12.) **2024 SAIFI** 1.91

- 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** 387
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.7%

Overload- 0.0%

Planned Work- 0.4%

Trees- 0.4%

Utility Equipment- 98.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 168.41

10.) **2024 SAIDI** 564.89

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

12.) **2024 SAIFI** 1.13

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** MG0451

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 33

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 55.4%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 44.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.61

10.) **2024 SAIDI** 50.92

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

12.) **2024 SAIFI** 0.70

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	MG0454
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - W Broadway & S 9th St - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	0.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	4
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/17/2023

8.) 2024 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-	35.2%
Trees-	0.0%
Utility Equipment-	64.8%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	59.66
10.) 2024 SAIDI	44.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.50
12.) 2024 SAIFI	1.00

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** 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** 1,288
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.2%

Overload- 0.0%

Planned Work- 0.4%

Trees- 13.6%

Utility Equipment- 83.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.52

10.) **2024 SAIDI** 60.39

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.29

12.) **2024 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** MK1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop & National Tpke - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,389
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.3%

Other/Unknown- 41.6%

Overload- 0.0%

Planned Work- 0.7%

Trees- 45.5%

Utility Equipment- 11.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.42

10.) **2024 SAIDI** 115.95

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

12.) **2024 SAIFI** 1.05

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)** 20.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,646

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/06/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.9%

Construction- 0.0%

Lightning- 1.5%

Non-Company- 0.0%

Other/Unknown- 0.9%

Overload- 0.0%

Planned Work- 79.4%

Trees- 16.6%

Utility Equipment- 0.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.37

10.) **2024 SAIDI** 214.24

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

12.) **2024 SAIFI** 1.76

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** MK1295
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop, New Cut Rd, & Scottsdale Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,802
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 41.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.1%

Overload- 0.0%

Planned Work- 6.0%

Trees- 28.3%

Utility Equipment- 24.2%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.43
- 10.) **2024 SAIDI** 89.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56
- 12.) **2024 SAIFI** 0.72

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** MK1297
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop & National Tpke - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 622
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.3%

Overload- 0.0%

Planned Work- 1.9%

Trees- 81.8%

Utility Equipment- 13.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.48

10.) **2024 SAIDI** 142.64

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

12.) **2024 SAIFI** 1.04

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** MK1299
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Arnold Town Rd, Timber Hills Rd, & St Andrews Church Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 788
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 27.0%

Construction- 1.4%

Lightning- 0.0%

Non-Company- 5.6%

Other/Unknown- 0.2%

Overload- 0.0%

Planned Work- 32.7%

Trees- 18.9%

Utility Equipment- 14.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.35

10.) **2024 SAIDI** 104.02

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63

12.) **2024 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** ML1282
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mud Ln, Blue Lick Rd, Vanguard Dr & Caven Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,623
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2019
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 13.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.5%

Overload- 0.0%

Planned Work- 22.1%

Trees- 16.2%

Utility Equipment- 45.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.99

10.) **2024 SAIDI** 111.38

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94

12.) **2024 SAIFI** 1.84

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** ML1284
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Christman Dr, Mount Washington Rd, & Cedar Creek Rd- E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 58.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,110
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/24/2019

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 3.2%

Overload- 0.0%

Planned Work- 9.4%

Trees- 54.1%

Utility Equipment- 31.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.22

10.) **2024 SAIDI** 89.61

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70

12.) **2024 SAIFI** 1.49

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	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	2,652
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/07/2023
8.) 2024 OUTAGES BY CAUSE	
	Animal- 2.9%
	Construction- 0.0%
	Lightning- 16.9%
	Non-Company- 0.0%
	Other/Unknown- 31.4%
	Overload- 0.0%
	Planned Work- 0.8%
	Trees- 46.7%
	Utility Equipment- 1.3%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	40.93
10.) 2024 SAIDI	54.56
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.77
12.) 2024 SAIFI	0.45
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)** 39.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,682
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2019
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 42.3%

Non-Company- 0.0%

Other/Unknown- 0.1%

Overload- 0.0%

Planned Work- 19.3%

Trees- 7.3%

Utility Equipment- 30.3%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 97.65
- 10.) **2024 SAIDI** 103.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.29
- 12.) **2024 SAIFI** 0.93

- 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** ML1289
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Holgate Dr, 1st, 2nd, & 3rd St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 803
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 16.1%

Construction- 0.0%

Lightning- 56.4%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.2%

Trees- 26.4%

Utility Equipment- 0.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.88

10.) **2024 SAIDI** 191.46

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

12.) **2024 SAIFI** 1.16

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** NA1264

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Six Mile Ln & Klondike Ln - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,225

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 2.4%

Other/Unknown- 49.1%

Overload- 1.9%

Planned Work- 34.9%

Trees- 0.0%

Utility Equipment- 11.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.32

10.) **2024 SAIDI** 46.41

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

12.) **2024 SAIFI** 0.57

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** NA1267
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln & Bardstown Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,419
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/11/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 2.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 84.1%

Overload- 0.0%

Planned Work- 8.1%

Trees- 2.0%

Utility Equipment- 3.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 119.50

10.) **2024 SAIDI** 322.98

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91

12.) **2024 SAIFI** 1.95

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** NA1268
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln, Manner Dale Dr, & Klondike Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,947
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.2%

Lightning- 0.3%

Non-Company- 0.0%

Other/Unknown- 3.0%

Overload- 0.0%

Planned Work- 76.2%

Trees- 13.6%

Utility Equipment- 6.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.08

10.) **2024 SAIDI** 114.76

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

12.) **2024 SAIFI** 0.65

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

Reliability Improvements Scheduled for 2025

1.) SUBSTATION NAME AND NUMBER	NACHAND
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 7201 Verona Way - Louisville
3.) CIRCUIT NAME AND NUMBER	NA1269
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Wisteria Landing Cir, Beargrass Ave, Bardstown Rd & Fegenbush Ln - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	22.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,815
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/01/2024
8.) 2024 OUTAGES BY CAUSE	
	Animal- 0.7%
	Construction- 0.0%
	Lightning- 0.1%
	Non-Company- 0.0%
	Other/Unknown- 16.0%
	Overload- 0.0%
	Planned Work- 26.6%
	Trees- 48.2%
	Utility Equipment- 8.5%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.21
10.) 2024 SAIDI	75.58
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.79
12.) 2024 SAIFI	0.51
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Trees Trimmed in 2024

- 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)** 21.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,569
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/14/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 23.3%

Construction- 0.0%

Lightning- 3.3%

Non-Company- 0.0%

Other/Unknown- 2.8%

Overload- 0.0%

Planned Work- 1.5%

Trees- 58.6%

Utility Equipment- 10.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.09

10.) **2024 SAIDI** 14.54

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

12.) **2024 SAIFI** 0.23

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** NA1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Six Mile Ln, Raintree Dr, & Stony Brook dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,393
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 7.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 80.6%

Overload- 0.0%

Planned Work- 2.3%

Trees- 6.8%

Utility Equipment- 3.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.67

10.) **2024 SAIDI** 29.88

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.10

12.) **2024 SAIFI** 0.17

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.) **2024 OUTAGES BY CAUSE**

Animal- 1.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 6.2%

Overload- 0.0%

Planned Work- 0.3%

Trees- 23.5%

Utility Equipment- 68.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 163.09

10.) **2024 SAIDI** 280.51

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

12.) **2024 SAIFI** 1.09

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)** 45.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,696

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.4%

Construction- 0.0%

Lightning- 4.8%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 35.0%

Trees- 59.2%

Utility Equipment- 0.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.74

10.) **2024 SAIDI** 44.34

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

12.) **2024 SAIFI** 0.22

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** 1,690
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 8.9%

Construction- 0.0%

Lightning- 14.3%

Non-Company- 19.1%

Other/Unknown- 0.7%

Overload- 0.0%

Planned Work- 3.0%

Trees- 20.0%

Utility Equipment- 33.9%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.24
- 10.) **2024 SAIDI** 44.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2024 SAIFI** 0.91

- 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** OK1274
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Miles Ln, & Cooper Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,546
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/11/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.5%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 16.7%

Other/Unknown- 19.7%

Overload- 0.0%

Planned Work- 3.3%

Trees- 59.1%

Utility Equipment- 0.6%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.77
- 10.) **2024 SAIDI** 90.29
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2024 SAIFI** 0.59

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

Continue to Monitor

- 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** OR0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jackson St, Oak St, & Preston St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 589
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 1.1%

Lightning- 22.2%

Non-Company- 0.0%

Other/Unknown- 52.4%

Overload- 0.0%

Planned Work- 0.7%

Trees- 23.7%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.39

10.) **2024 SAIDI** 70.79

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

12.) **2024 SAIFI** 0.24

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

Continue to Monitor

- 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** OR0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - E Ormsby Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 137
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2024 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)** 4.62

10.) **2024 SAIDI** 18.49

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.07

12.) **2024 SAIFI** 0.28

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** 1,981
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 20.1%

Construction- 0.0%

Lightning- 17.3%

Non-Company- 0.0%

Other/Unknown- 0.6%

Overload- 0.0%

Planned Work- 16.7%

Trees- 5.7%

Utility Equipment- 39.6%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.79
- 10.) **2024 SAIDI** 26.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31
- 12.) **2024 SAIFI** 0.38
- 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	560	
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/24/2023	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	8.2%
	Overload-	0.0%
	Planned Work-	76.2%
	Trees-	15.6%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		76.13
10.) 2024 SAIDI		48.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.38
12.) 2024 SAIFI		0.42
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** 1,896
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 3.8%

Construction- 0.0%

Lightning- 0.9%

Non-Company- 0.0%

Other/Unknown- 20.2%

Overload- 0.0%

Planned Work- 44.4%

Trees- 23.7%

Utility Equipment- 7.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.12

10.) **2024 SAIDI** 68.94

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

12.) **2024 SAIFI** 0.42

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** 723
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2023
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 14.7%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.1%

Overload- 0.0%

Planned Work- 50.0%

Trees- 34.3%

Utility Equipment- 1.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.65

10.) **2024 SAIDI** 202.57

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

12.) **2024 SAIFI** 1.58

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** PR1380
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - Bells Ln & Algonquin Pky - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2021

8.) **2024 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)** 83.08

10.) **2024 SAIDI** 183.69

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.13

12.) **2024 SAIFI** 1.50

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** 7

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 5.7%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 94.3%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 147.92

10.) **2024 SAIDI** 319.82

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.21

12.) **2024 SAIFI** 1.86

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** PV1254
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky & Whittington Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 931
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 4.5%

Construction- 0.0%

Lightning- 89.5%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.4%

Trees- 1.6%

Utility Equipment- 4.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.32

10.) **2024 SAIDI** 15.98

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

12.) **2024 SAIFI** 0.17

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)** 1.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,341

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2020

8.) **2024 OUTAGES BY CAUSE**

Animal- 4.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 2.3%

Other/Unknown- 14.7%

Overload- 0.0%

Planned Work- 10.6%

Trees- 9.9%

Utility Equipment- 58.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.84

10.) **2024 SAIDI** 32.10

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

12.) **2024 SAIFI** 0.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH STREET
- 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** 409
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 1.0%

Construction- 0.0%

Lightning- 0.3%

Non-Company- 0.0%

Other/Unknown- 0.5%

Overload- 0.0%

Planned Work- 23.8%

Trees- 31.3%

Utility Equipment- 43.1%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.98
- 10.) **2024 SAIDI** 76.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48
- 12.) **2024 SAIFI** 0.38

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

Tree Trim Scheduled for 2025

1.) **SUBSTATION NAME AND NUMBER** SEVENTH STREET

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** 559

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.3%

Overload- 0.0%

Planned Work- 41.8%

Trees- 55.9%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 100.85

10.) **2024 SAIDI** 140.52

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

12.) **2024 SAIFI** 0.52

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

Tree Trim Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1282
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Berry Blvd, Powell Ave, Wheeler Ave & Southgate Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,108
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.9%

Construction- 1.2%

Lightning- 0.0%

Non-Company- 0.2%

Other/Unknown- 3.3%

Overload- 0.0%

Planned Work- 74.7%

Trees- 15.1%

Utility Equipment- 4.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.07

10.) **2024 SAIDI** 116.12

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

12.) **2024 SAIFI** 2.26

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

Reliability Improvements Completed in 2024

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1284
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,538
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 58.4%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.2%

Overload- 0.0%

Planned Work- 12.7%

Trees- 0.3%

Utility Equipment- 27.4%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.31
- 10.) **2024 SAIDI** 60.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2024 SAIFI** 0.77

- 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** SH1456
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Ralph Ave, & Fitzgerald Rd - N of Substation of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 23
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 1.9%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 33.6%

Overload- 0.0%

Planned Work- 4.6%

Trees- 54.6%

Utility Equipment- 5.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.44

10.) **2024 SAIDI** 115.83

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

12.) **2024 SAIFI** 0.61

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** SH1458
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th Street Rd, Arcade Ave, Taylor Blvd, & Berry Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 15
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2021
- 8.) **2024 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- 22.3%

Trees- 65.2%

Utility Equipment- 12.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.69

10.) **2024 SAIDI** 70.56

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

12.) **2024 SAIFI** 0.20

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** 1,483
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/14/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 16.8%

Construction- 0.0%

Lightning- 2.4%

Non-Company- 0.0%

Other/Unknown- 0.3%

Overload- 0.0%

Planned Work- 42.3%

Trees- 37.7%

Utility Equipment- 0.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.76

10.) **2024 SAIDI** 117.63

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

12.) **2024 SAIFI** 1.02

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	SM1234	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Whitney Ave, Taylor Blvd, & Ashland Ave - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	13.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,325	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/04/2022	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	0.9%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	2.9%
	Overload-	0.0%
	Planned Work-	87.2%
	Trees-	8.6%
	Utility Equipment-	0.3%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		37.47
10.) 2024 SAIDI		37.01
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.56
12.) 2024 SAIFI		0.92
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Reliability Improvements Completed in 2024	

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1235
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fairmont Ave, 3rd St, 5th St, & 4th St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,267
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 6.9%

Construction- 0.0%

Lightning- 2.4%

Non-Company- 0.5%

Other/Unknown- 3.3%

Overload- 0.0%

Planned Work- 19.8%

Trees- 55.2%

Utility Equipment- 11.8%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.02
- 10.) **2024 SAIDI** 52.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.58
- 12.) **2024 SAIFI** 0.46

- 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.) 2024 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)	325.05
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10.) 2024 SAIDI	851.28
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.00
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12.) 2024 SAIFI	1.00
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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.) **2024 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)** 383.79

10.) **2024 SAIDI** 852.23

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

12.) **2024 SAIFI** 1.00

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.) **2024 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)** 622.14

10.) **2024 SAIDI** 940.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.50

12.) **2024 SAIFI** 1.00

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** 541

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 36.5%

Overload- 0.0%

Planned Work- 24.7%

Trees- 38.7%

Utility Equipment- 0.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.86

10.) **2024 SAIDI** 27.85

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

12.) **2024 SAIFI** 0.24

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** SQ0405

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** 681

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2024 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- 58.6%

Trees- 4.5%

Utility Equipment- 36.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.43

10.) **2024 SAIDI** 94.47

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

12.) **2024 SAIFI** 0.57

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	177
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/31/2019
8.) 2024 OUTAGES BY CAUSE	
	Animal- 0.0%
	Construction- 0.0%
	Lightning- 0.0%
	Non-Company- 0.0%
	Other/Unknown- 2.6%
	Overload- 26.5%
	Planned Work- 0.0%
	Trees- 2.7%
	Utility Equipment- 68.3%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.42
10.) 2024 SAIDI	14.46
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11
12.) 2024 SAIFI	0.18
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** SQ0451

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St & Lee St - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 540

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 11.6%

Overload- 0.0%

Planned Work- 0.0%

Trees- 26.9%

Utility Equipment- 61.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.41

10.) **2024 SAIDI** 80.04

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21

12.) **2024 SAIFI** 0.40

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

Tree Trim Scheduled for 2025

- 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)** 22.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,527
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2019

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.0%

Construction- 0.3%

Lightning- 0.2%

Non-Company- 22.7%

Other/Unknown- 7.7%

Overload- 0.0%

Planned Work- 21.2%

Trees- 41.6%

Utility Equipment- 5.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.60

10.) **2024 SAIDI** 79.61

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

12.) **2024 SAIFI** 0.50

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

Tree Trim Scheduled for 2025

1.) SUBSTATION NAME AND NUMBER	SOUTH PARK
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 1412 Fairdale Rd. - Louisville
3.) CIRCUIT NAME AND NUMBER	SP1117
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - South Park Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	8.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	602
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/12/2019

8.) 2024 OUTAGES BY CAUSE

Animal-	2.7%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	5.2%
Overload-	0.0%
Planned Work-	19.5%
Trees-	0.0%
Utility Equipment-	72.6%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.77
10.) 2024 SAIDI	24.48
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.34
12.) 2024 SAIFI	0.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN BAPTIST SEMINARY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2845 Seminary Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SS0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Seminary Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 6
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Trimming Required
- 8.) **2024 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)** 19.78

- 10.) **2024 SAIDI** 79.10

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

- 12.) **2024 SAIFI** 1.00

- 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** SV1122
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - HWY 44, Preston Hwy, & Old Preston Hwy - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 935
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/15/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.1%

Other/Unknown- 5.5%

Overload- 0.9%

Planned Work- 8.9%

Trees- 83.3%

Utility Equipment- 1.0%

Vehicle- 0.0%

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

10.) **2024 SAIDI** 43.62

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34

12.) **2024 SAIFI** 0.57

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

Tree Trim Scheduled for 2025

1.) SUBSTATION NAME AND NUMBER	STEWART
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 4701 Stewart Ln. - Louisville
3.) CIRCUIT NAME AND NUMBER	SW1184
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Romania Dr, Meyers Ln, & Blanton Ln - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	16.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,450
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/02/2022
8.) 2024 OUTAGES BY CAUSE	
	Animal- 2.0%
	Construction- 0.0%
	Lightning- 0.1%
	Non-Company- 0.0%
	Other/Unknown- 0.3%
	Overload- 0.0%
	Planned Work- 82.2%
	Trees- 15.2%
	Utility Equipment- 0.2%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.43
10.) 2024 SAIDI	49.74
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.56
12.) 2024 SAIFI	0.40
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** SW1186
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Hazelwood Ave, Bluegrass Ave, & Lonsdale Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,082
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 5.1%

Overload- 0.0%

Planned Work- 79.2%

Trees- 10.3%

Utility Equipment- 4.5%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.40
- 10.) **2024 SAIDI** 53.88
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2024 SAIFI** 1.20

- 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** 1,533
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.5%

Overload- 0.0%

Planned Work- 7.3%

Trees- 2.6%

Utility Equipment- 88.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.81

10.) **2024 SAIDI** 237.42

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88

12.) **2024 SAIFI** 1.80

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** SW1190
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Upper Hunters Trace, & Graston Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,596
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/08/2022
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 4.5%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.3%

Other/Unknown- 17.7%

Overload- 0.0%

Planned Work- 68.4%

Trees- 4.3%

Utility Equipment- 4.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.52

10.) **2024 SAIDI** 111.06

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

12.) **2024 SAIFI** 2.22

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

Reliability Improvements Scheduled for 2025

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville

3.) **CIRCUIT NAME AND NUMBER** SW1191

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Manslick Rd, & Parkwood Rd - SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.5

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,362

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/08/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.9%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.1%

Other/Unknown- 29.9%

Overload- 0.0%

Planned Work- 36.1%

Trees- 30.1%

Utility Equipment- 3.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.42

10.) **2024 SAIDI** 184.76

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63

12.) **2024 SAIFI** 1.41

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

Reliability Improvements Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1130
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hubbards Ln, Shelbyville Rd, & Browns Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,729
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 1.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.7%

Overload- 0.1%

Planned Work- 83.3%

Trees- 11.9%

Utility Equipment- 3.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.58

10.) **2024 SAIDI** 127.89

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

12.) **2024 SAIFI** 0.82

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

Reliability Improvements Scheduled for 2025

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)	28.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,295
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/01/2024

8.) 2024 OUTAGES BY CAUSE

Animal-	0.1%
Construction-	0.1%
Lightning-	0.6%
Non-Company-	0.0%
Other/Unknown-	1.8%
Overload-	0.0%
Planned Work-	23.7%
Trees-	59.3%
Utility Equipment-	14.5%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	154.27
10.) 2024 SAIDI	87.94
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.19
12.) 2024 SAIFI	3.91

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

Trees Trimmed in 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)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 574
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.6%

Non-Company- 0.0%

Other/Unknown- 7.1%

Overload- 0.0%

Planned Work- 54.3%

Trees- 37.4%

Utility Equipment- 0.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 174.78

10.) **2024 SAIDI** 186.58

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.21

12.) **2024 SAIFI** 1.19

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

Trees Trimmed in 2024

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1172
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chenoweth Ln, Cherrywood Rd, & Washington Sq - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,126
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 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- 92.8%

Trees- 4.2%

Utility Equipment- 2.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.70

10.) **2024 SAIDI** 107.27

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

12.) **2024 SAIFI** 1.34

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

Reliability Improvements Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1173
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hubbards Ln, Rudy Ln, Massie Ave, & Westport Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,041
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.3%

Overload- 0.0%

Planned Work- 93.8%

Trees- 3.4%

Utility Equipment- 2.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.33

10.) **2024 SAIDI** 89.57

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67

12.) **2024 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** TE1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Terry Rd, Greenwood Rd, & Westbrook Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,799
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2020
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 12.5%

Construction- 0.0%

Lightning- 4.3%

Non-Company- 5.0%

Other/Unknown- 1.8%

Overload- 0.1%

Planned Work- 50.3%

Trees- 5.1%

Utility Equipment- 20.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 91.37

10.) **2024 SAIDI** 178.03

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

12.) **2024 SAIFI** 1.04

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** 2,374
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2020
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 2.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 11.9%

Overload- 0.0%

Planned Work- 9.5%

Trees- 6.9%

Utility Equipment- 69.7%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.21
- 10.) **2024 SAIDI** 51.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.92
- 12.) **2024 SAIFI** 0.64

- 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** TE1246
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Trade Port Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 28
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2024 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)** 46.34

10.) **2024 SAIDI** 101.48

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

12.) **2024 SAIFI** 1.07

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.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 44.4%

Overload- 0.0%

Planned Work- 55.6%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 219.58
- 10.) **2024 SAIDI** 217.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.38
- 12.) **2024 SAIFI** 2.00

- 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** VE0001

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southwestern Pky - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 264

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 12.2%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 81.0%

Utility Equipment- 6.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.34

10.) **2024 SAIDI** 42.49

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

12.) **2024 SAIFI** 0.32

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** VE0002

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, 44th, 43rd, & 42nd St - SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 314

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2023

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 65.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 35.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.68

10.) **2024 SAIDI** 102.64

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15

12.) **2024 SAIFI** 0.39

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** 893
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/04/2022

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 71.0%

Other/Unknown- 7.6%

Overload- 0.4%

Planned Work- 17.2%

Trees- 0.2%

Utility Equipment- 3.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.66

10.) **2024 SAIDI** 76.29

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

12.) **2024 SAIFI** 0.78

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	429	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/04/2022	
8.) 2024 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.1%
	Non-Company-	0.0%
	Other/Unknown-	83.1%
	Overload-	0.0%
	Planned Work-	5.3%
	Trees-	11.5%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		210.35
10.) 2024 SAIDI		139.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.92
12.) 2024 SAIFI		0.94
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** WORTHINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1177
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ballardsville Rd, Murphy Ln, & Tazwell Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,393
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/28/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 11.6%

Construction- 0.9%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.1%

Overload- 49.1%

Planned Work- 14.8%

Trees- 0.1%

Utility Equipment- 23.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.06

10.) **2024 SAIDI** 78.56

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

12.) **2024 SAIFI** 0.82

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WORTHINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1178
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chamberlain Rd, Sweet Water Dr, & Shenandoa Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 713
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 18.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 3.6%

Trees- 78.3%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.26

10.) **2024 SAIDI** 65.99

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

12.) **2024 SAIFI** 1.26

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

Trees Trimmed in 2024

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** WO1180

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Norton Health Care Blvd, & Summit Plaza Dr - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 179

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.5%

Non-Company- 0.0%

Other/Unknown- 35.4%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 64.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.65

10.) **2024 SAIDI** 18.56

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

12.) **2024 SAIFI** 1.20

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

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	WORTHINGTON
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 10300 Ballardsville Rd. - Louisville
3.)	CIRCUIT NAME AND NUMBER	WO1181
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Chamberlain Ln - S of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	8.0
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	989
7.)	DATE OF LAST CIRCUIT TRIM (VM)	08/28/2021

8.) 2024 OUTAGES BY CAUSE

Animal- 93.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 3.8%

Overload- 0.0%

Planned Work- 2.5%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	49.99
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10.) 2024 SAIDI	64.04
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.51
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12.) 2024 SAIFI	0.53
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13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WORTHINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** W01182
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Park Plaza Ave, & Ten Broeck Way - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,024
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.1%

Non-Company- 0.0%

Other/Unknown- 42.0%

Overload- 0.0%

Planned Work- 24.3%

Trees- 33.5%

Utility Equipment- 0.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.01

10.) **2024 SAIDI** 107.10

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63

12.) **2024 SAIFI** 1.94

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

Trees Trimmed in 2024

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** WO1183

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ballardsville Rd, Haunz Ln, & Hitt Ln - NE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.3

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,409

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 5.3%

Construction- 0.1%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 65.4%

Trees- 16.5%

Utility Equipment- 12.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.10

10.) **2024 SAIDI** 89.62

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

12.) **2024 SAIFI** 0.33

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** WO1184

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd & Worthington Ln - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,947

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 1.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 9.4%

Overload- 0.0%

Planned Work- 20.5%

Trees- 24.8%

Utility Equipment- 44.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.62

10.) **2024 SAIDI** 88.91

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

12.) **2024 SAIFI** 0.32

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** 700
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.6%

Non-Company- 0.6%

Other/Unknown- 7.3%

Overload- 0.0%

Planned Work- 64.4%

Trees- 26.9%

Utility Equipment- 0.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 126.11

10.) **2024 SAIDI** 186.67

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.43

12.) **2024 SAIFI** 3.07

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

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	WATERSIDE WEST
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 221 North Third St. - Louisville
3.)	CIRCUIT NAME AND NUMBER	WS1319
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - 3rd St, Jefferson St, 8th St, & Broadway - SW of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	2.4
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	18
7.)	DATE OF LAST CIRCUIT TRIM (VM)	03/24/2023

8.) 2024 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 5.6%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 94.4%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	76.65
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10.) 2024 SAIDI	254.76
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.32
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12.) 2024 SAIFI	1.06
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13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	WATERSIDE WEST
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 221 North Third St. - Louisville
3.)	CIRCUIT NAME AND NUMBER	WS1322
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Main St, 13th St, Market St, 10th St, & Portland Ave - W of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	5.7
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	181
7.)	DATE OF LAST CIRCUIT TRIM (VM)	03/24/2023

8.) 2024 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.2%

Overload- 0.0%

Planned Work- 0.0%

Trees- 92.4%

Utility Equipment- 6.3%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.10
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10.) 2024 SAIDI	135.69
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.67
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12.) 2024 SAIFI	1.44
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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** 2,628
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 0.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 6.7%

Overload- 0.0%

Planned Work- 36.9%

Trees- 16.9%

Utility Equipment- 38.6%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.82
- 10.) **2024 SAIDI** 70.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.14
- 12.) **2024 SAIFI** 1.48

- 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** WT1153
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Watterson Trl, & Woodhaven Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,099
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.4%

Construction- 0.0%

Lightning- 4.4%

Non-Company- 0.0%

Other/Unknown- 3.7%

Overload- 0.0%

Planned Work- 24.7%

Trees- 63.2%

Utility Equipment- 3.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.14

10.) **2024 SAIDI** 46.02

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

12.) **2024 SAIFI** 0.38

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

Reliability Improvements Scheduled for 2025

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1154
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Walt Lee Rd, Fairground Rd, Billtown Rd, & Easum Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,891
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/25/2021

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.5%

Construction- 0.0%

Lightning- 0.6%

Non-Company- 0.0%

Other/Unknown- 0.6%

Overload- 0.0%

Planned Work- 33.5%

Trees- 16.9%

Utility Equipment- 47.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.93

10.) **2024 SAIDI** 87.68

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

12.) **2024 SAIFI** 1.14

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** WT1210
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Hudson Ln, Fairground Rd & Janet Lee Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,971
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2024

8.) **2024 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.4%

Non-Company- 0.0%

Other/Unknown- 1.3%

Overload- 0.0%

Planned Work- 94.0%

Trees- 3.0%

Utility Equipment- 1.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.32

10.) **2024 SAIDI** 129.39

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

12.) **2024 SAIFI** 0.80

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

Reliability Improvements Scheduled for 2025

- 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)** 25.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,439
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/25/2021
- 8.) **2024 OUTAGES BY CAUSE**

Animal- 1.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 9.5%

Overload- 0.0%

Planned Work- 0.6%

Trees- 2.5%

Utility Equipment- 86.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.23

10.) **2024 SAIDI** 36.71

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

12.) **2024 SAIFI** 0.33

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 went into effect January 1, 2024 and is reflected in this reporting period (see attached). 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 – 5.03 years

LGE Tree SAIDI – 22.24 minutes

LGE Tree SAIFI – 0.172

LGE Tree CAIDI – 128.9 minutes

The hazard tree program, mid cycle, herbicide, and worst performing circuits were completed as planned.

Adjustments made to the tree plan in 2024 included

Our vegetation management approach leverages unit-based, target pricing, and time-and-expense models to drive efficiency and accountability in contractor operations. The target price strategy deploys prescriptive tree management techniques. Maintenance work is prescribed ensuring that each work segment is clearly defined, mapped, and costed in advance. All work areas are inspected post-completion to verify standards have been met. Contractor performance is systematically evaluated on a quarterly and annual basis, with a focus on safety, productivity, quality, and customer satisfaction. Compliance with OSHA and internal safety standards is mandatory, and contractors are held to the highest operational standards.

Changes to be implemented in 2025

The routine trimming cycle plan is a proactive plan to trim work areas based on time since trim and clearance thresholds. Danger trees are prioritized and mitigated based on reliability disruption potential.

SECTION 7: UTILITY COMMENTS

Rolling average SAIDI and SAIFI improved in 2024 compared to the previous 5 year average excluding major events. 251 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2024.