

KENTUCKY PUBLIC SERVICE COMMISSION
ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 1: CONTACT INFORMATION

UTILITY NAME	LOUISVILLE GAS AND ELECTRIC
REPORT PREPARED BY	Tiffany Koller (Dir. Substations & Asset Mgmt)
E-MAIL ADDRESS OF PREPARER	Tiffany.Koller@lge-ku.com
PHONE NUMBER OF PREPARER	(502) 364-8633

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2021
-------------------------	------

SECTION 3: MAJOR EVENT DAYS (MED)

	T_{MED}
FIRST DATE USED TO DETERMINE T_{MED}	3.291
LAST DATE USED TO DETERMINE T_{MED}	1/1/2016
NUMBER OF MED IN REPORTING YEAR	12/31/2020
	3

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>439,603</u>	TOTAL CIRCUITS <u>625</u>
--------------------------------	---------------------------

Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>77.22</u>	SAIDI	<u>74.38</u>
SAIFI	<u>0.888</u>	SAIFI	<u>0.828</u>

Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>185.31</u>	SAIDI	<u>97.81</u>
SAIFI	<u>1.112</u>	SAIFI	<u>0.891</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** AB1202
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greentree Ln & Dixie Hwy - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,889
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.9%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 93.1%
- Utility Equipment- 3.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.28

10.) **2021 SAIDI** 97.05

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

12.) **2021 SAIFI** 0.31

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)** 24.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,414
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 1.1%
- Lightning- 29.7%
- Non-Company- 0.3%
- Other/Unknown- 4.6%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 60.6%
- Utility Equipment- 1.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	79.61
10.) 2021 SAIDI	102.87
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.93
12.) 2021 SAIFI	1.59

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

Trees Trimmed in 2021

- 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)** 41.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,579
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.2%
- Overload- 0.0%
- Planned Work- 35.0%
- Trees- 3.4%
- Utility Equipment- 35.0%
- Vehicle- 19.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.74

10.) **2021 SAIDI** 67.66

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

12.) **2021 SAIFI** 0.43

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,627
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.5%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 90.0%
- Utility Equipment- 2.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.96
10.) 2021 SAIDI	38.14
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43
12.) 2021 SAIFI	0.60

- 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)** 22.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,443
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/07/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 7.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.4%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 39.5%
- Utility Equipment- 11.7%
- Vehicle- 31.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	65.97
10.) 2021 SAIDI	104.02
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.32
12.) 2021 SAIFI	0.50

- 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)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 146
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 66.7%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 0.0%
- Utility Equipment- 30.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.61

10.) **2021 SAIDI** 175.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.74

12.) **2021 SAIFI** 2.96

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1295
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N English Station Rd & Avoca Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 804
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 60.0%
- Utility Equipment- 13.6%
- Vehicle- 14.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.94

10.) **2021 SAIDI** 25.02

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

12.) **2021 SAIFI** 0.97

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)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 30
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 74.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	81.65
10.) 2021 SAIDI	403.47
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.65
12.) 2021 SAIFI	3.13

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** AL1377
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Hill St & S 10th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 79.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	187.75
10.) 2021 SAIDI	630.98
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.84
12.) 2021 SAIFI	2.40

- 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** 1,271
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 11.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	44.26
10.) 2021 SAIDI	51.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.74
12.) 2021 SAIFI	0.41

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRANDENBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - Weldon Church Rd. - Brandenburg
- 3.) **CIRCUIT NAME AND NUMBER** BB1102
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Brandenburg - E Broadway St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 851
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.3%
- Lightning- 58.7%
- Non-Company- 0.0%
- Other/Unknown- 10.2%
- Overload- 0.0%
- Planned Work- 23.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 5.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.50

10.) **2021 SAIDI** 99.82

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

12.) **2021 SAIFI** 1.60

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRANDENBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - Weldon Church Rd. - Brandenburg
- 3.) **CIRCUIT NAME AND NUMBER** BB1103
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Brandenburg - State Hwy 1638 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 47.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 581
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 1.8%
- Non-Company- 0.0%
- Other/Unknown- 34.3%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 21.3%
- Utility Equipment- 35.9%
- Vehicle- 0.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 392.29

10.) **2021 SAIDI** 438.20

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.81

12.) **2021 SAIFI** 8.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1217
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Robarus Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 67
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

- 8.) **2021 OUTAGES BY CAUSE**
 - Animal- 1.8%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 5.5%
 - Overload- 0.0%
 - Planned Work- 79.9%
 - Trees- 2.8%
 - Utility Equipment- 10.0%
 - Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.97
10.) 2021 SAIDI	39.89
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
12.) 2021 SAIFI	0.26

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

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1220
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Popular Level Rd. & Gilmore Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,111
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 7.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 44.7%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 17.0%
- Utility Equipment- 18.6%
- Vehicle- 6.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	49.22
10.) 2021 SAIDI	60.80
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.69
12.) 2021 SAIFI	0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1223
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bishop Ln & Gilmore Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 70
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 66.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 33.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.92
- 10.) **2021 SAIDI** 9.30
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36
- 12.) **2021 SAIFI** 1.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1224
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Popular Level Rd & Preston Hwy - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,211
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 29.0%
- Construction- 1.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.0%
- Overload- 0.0%
- Planned Work- 5.9%
- Trees- 8.2%
- Utility Equipment- 27.2%
- Vehicle- 2.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	67.20
10.) 2021 SAIDI	96.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.80
12.) 2021 SAIFI	1.63

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BROOK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 913 S 1st Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BK0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Brook St & S Floyd St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 187
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.1%
- Non-Company- 0.0%
- Other/Unknown- 9.4%
- Overload- 0.0%
- Planned Work- 20.3%
- Trees- 0.0%
- Utility Equipment- 68.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.87

10.) **2021 SAIDI** 82.68

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

12.) **2021 SAIFI** 0.54

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** BR1177
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,009
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.7%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 9.4%
- Utility Equipment- 49.0%
- Vehicle- 22.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 167.55

10.) **2021 SAIDI** 281.56

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.09

12.) **2021 SAIFI** 3.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1180
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dutchmans Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 547
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 16.1%
- Utility Equipment- 78.8%
- Vehicle- 2.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	106.52
10.) 2021 SAIDI	120.04
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.06
12.) 2021 SAIFI	1.46

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** BR1181
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Browns Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,079
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.9%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 5.0%
- Utility Equipment- 89.9%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 136.12

10.) **2021 SAIDI** 184.40

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.58

12.) **2021 SAIFI** 1.27

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** BR1182
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I - 264 East - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 226
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 41.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 58.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.55

10.) **2021 SAIDI** 227.27

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

12.) **2021 SAIFI** 1.62

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** BR1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I - 264 East - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 100.0%
- 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- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 153.72
- 10.) **2021 SAIDI** 24.29
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29
- 12.) **2021 SAIFI** 0.44

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** 1,679
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.7%
- Construction- 6.1%
- Lightning- 18.0%
- Non-Company- 0.1%
- Other/Unknown- 23.3%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 30.7%
- Utility Equipment- 12.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.72

10.) **2021 SAIDI** 72.78

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

12.) **2021 SAIFI** 1.08

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** BR1351
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brekenridge Ln & Shelbyville Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 354
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2019

8.) **2021 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- 74.0%
- Vehicle- 26.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 158.81

10.) **2021 SAIDI** 211.97

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

12.) **2021 SAIFI** 1.01

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** 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** 326
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 18.0%
- Overload- 0.0%
- Planned Work- 11.6%
- Trees- 0.0%
- Utility Equipment- 68.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.69

10.) **2021 SAIDI** 138.67

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

12.) **2021 SAIFI** 1.17

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** CA1340
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 22nd St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 89
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 32.8%
- Other/Unknown- 67.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.60

10.) **2021 SAIDI** 123.87

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

12.) **2021 SAIFI** 2.01

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** CA1341
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Market St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,069
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 54.4%
- Other/Unknown- 32.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 12.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 162.86

10.) **2021 SAIDI** 406.44

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.11

12.) **2021 SAIFI** 2.62

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** 1,168
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 5.9%
- Non-Company- 0.0%
- Other/Unknown- 3.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 90.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 235.94

10.) **2021 SAIDI** 266.57

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.72

12.) **2021 SAIFI** 3.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1343
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Chestnut St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 13
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 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)** 18.37

10.) **2021 SAIDI** 29.31

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

12.) **2021 SAIFI** 0.15

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)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,200
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.1%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 74.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 112.54

10.) **2021 SAIDI** 213.61

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.49

12.) **2021 SAIFI** 1.88

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** CB0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 26th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 678
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2021 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- 1.5%
- Trees- 97.8%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.45

10.) **2021 SAIDI** 355.61

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

12.) **2021 SAIFI** 1.15

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** 402
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 20.0%
- Non-Company- 0.0%
- Other/Unknown- 11.3%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 2.5%
- Utility Equipment- 64.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.47

10.) **2021 SAIDI** 95.51

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

12.) **2021 SAIFI** 0.44

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** CF1204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - S Hwy 393 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 71.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,809
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 49.9%
- Overload- 1.4%
- Planned Work- 2.3%
- Trees- 36.6%
- Utility Equipment- 7.5%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 128.98

10.) **2021 SAIDI** 118.13

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.82

12.) **2021 SAIFI** 2.54

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** CENTERFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 4210 Hwy 393 - Centerfield
- 3.) **CIRCUIT NAME AND NUMBER** CF1205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - Elder Park Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 790
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 71.0%
- Utility Equipment- 17.6%
- Vehicle- 5.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	123.93
10.) 2021 SAIDI	132.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.45
12.) 2021 SAIFI	0.44

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Reliability Improvements Completed in 2021

- 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)** 0.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 148
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 10.8%
- Other/Unknown- 10.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 78.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.74

10.) **2021 SAIDI** 19.41

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

12.) **2021 SAIFI** 0.13

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** CL1226
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Lexington Rd, E Jefferson St, & E Muhammad Ali Blvd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,510
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 1.2%
- Lightning- 5.3%
- Non-Company- 0.0%
- Other/Unknown- 14.7%
- Overload- 0.0%
- Planned Work- 13.8%
- Trees- 7.3%
- Utility Equipment- 56.4%
- Vehicle- 0.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.06
- 10.) **2021 SAIDI** 58.14
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18
- 12.) **2021 SAIFI** 1.78

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** CL1227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Clifton Ave, & Ewing Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 650
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/15/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 31.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 36.4%
- Planned Work- 25.0%
- Trees- 0.0%
- Utility Equipment- 7.1%
- Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.71
10.)	2021 SAIDI	31.16
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.40
12.)	2021 SAIFI	0.32
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1230
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave, Shiloh Ave, & River Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,101
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.6%
- Overload- 0.0%
- Planned Work- 27.4%
- Trees- 28.9%
- Utility Equipment- 24.9%
- Vehicle- 8.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.53

10.) **2021 SAIDI** 77.77

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

12.) **2021 SAIFI** 1.21

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

Tree Trim Scheduled for 2022

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1407
- 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** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2021 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)	65.82
10.)	2021 SAIDI	122.40
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.88
12.)	2021 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 950
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 16.7%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 12.9%
- Utility Equipment- 20.5%
- Vehicle- 48.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 112.21

10.) **2021 SAIDI** 82.04

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

12.) **2021 SAIFI** 1.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1194
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Collins Ln & La Grange Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 34
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 17.6%
- Other/Unknown- 19.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 6.7%
- Utility Equipment- 0.0%
- Vehicle- 56.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.93

10.) **2021 SAIDI** 64.65

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

12.) **2021 SAIFI** 1.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1195
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Collins Ln, Westport Rd, & Northumberland Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,116
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.9%
- Construction- 0.0%
- Lightning- 24.7%
- Non-Company- 0.0%
- Other/Unknown- 25.1%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.7%
- Utility Equipment- 13.0%
- Vehicle- 30.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.24

10.) **2021 SAIDI** 135.65

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

12.) **2021 SAIFI** 1.80

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1196
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd & Accomack Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 976
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.2%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 88.4%
- Utility Equipment- 3.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.56

10.) **2021 SAIDI** 33.98

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

12.) **2021 SAIFI** 1.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1197
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - La Grange Rd, Reamers Rd, & Chamberlain Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,838
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 4.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 13.5%
- Utility Equipment- 28.8%
- Vehicle- 48.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.65

10.) **2021 SAIDI** 79.20

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

12.) **2021 SAIFI** 2.10

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

Continue to Monitor

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

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 70.7%
- Overload- 0.0%
- Planned Work- 29.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	140.75
10.) 2021 SAIDI	524.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.) 2021 SAIFI	1.33

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) | 8.5 |
| 6.) | CUSTOMER COUNT FOR THIS CIRCUIT | 245 |
| 7.) | DATE OF LAST CIRCUIT TRIM (VM) | 05/15/2021 |

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.3%
- Utility Equipment- 94.3%
- Vehicle- 3.8%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	195.89
10.)	2021 SAIDI	489.57
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.38
12.)	2021 SAIFI	1.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CONESTOGA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bullitt - 1365 N Buckman St. - Shepherdsville
- 3.) **CIRCUIT NAME AND NUMBER** CS1261
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - I 65 S, HWY 44, & Joe B Hall Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 203
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/15/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 39.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.8%
- Vehicle- 56.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.04

10.) **2021 SAIDI** 71.91

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

12.) **2021 SAIFI** 0.36

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** 371
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 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- 0.0%
- Trees- 0.0%
- Utility Equipment- 18.1%
- Vehicle- 74.8%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.57
10.) 2021 SAIDI	80.76
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.19
12.) 2021 SAIFI	0.43

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** CT0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave, 24th St, & Northwestern Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 263
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.3%
- Overload- 0.0%
- Planned Work- 11.6%
- Trees- 0.0%
- Utility Equipment- 75.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.08

10.) **2021 SAIDI** 47.49

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

12.) **2021 SAIFI** 0.62

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)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 416
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 59.1%
- Overload- 0.0%
- Planned Work- 13.1%
- Trees- 0.0%
- Utility Equipment- 21.2%
- Vehicle- 6.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.53

10.) **2021 SAIDI** **79.19**

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

12.) **2021 SAIFI** 0.49

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** CW1222
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - W HWY 22, Clore Ln, & Lake Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 53.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,904
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 86.7%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 9.4%
- Utility Equipment- 2.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.09

10.) **2021 SAIDI** 165.04

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

12.) **2021 SAIFI** 1.43

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 786
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 63.3%
- Planned Work- 34.4%
- Trees- 0.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	48.70
10.) 2021 SAIDI	68.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.56
12.) 2021 SAIFI	0.84

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1482
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, E Broadway, Logan St, Chestnut St, & Preston St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 35
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2021 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- 43.5%
- Trees- 0.0%
- Utility Equipment- 56.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.56

10.) **2021 SAIDI** 95.07

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

12.) **2021 SAIFI** 0.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1483
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckinridge St, Vine St, Highland Ave, & Barrett Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 19
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2021 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)	17.78
10.) 2021 SAIDI	47.90
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46
12.) 2021 SAIFI	1.58

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1486
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Caldwell St, Logan St, Jackson St, Goss Ave, & Ash St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 258
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 88.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 11.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.15

10.) **2021 SAIDI** 10.66

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

12.) **2021 SAIFI** 1.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAHLIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bon Air Ave, Gardiner Ln, & Goldsmith Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,641
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 13.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 22.0%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 55.5%
- Utility Equipment- 6.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	116.55
10.) 2021 SAIDI	147.80
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.19
12.) 2021 SAIFI	2.29

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

Reliability Improvements Completed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** DEL PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1406
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, S 41st St, & W Broadway - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,140
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/21/2020

8.) **2021 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)** 124.89

10.) **2021 SAIDI** 268.10

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

12.) **2021 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DEL PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, Cecil Ave, Greenwood Ave, & Virginia Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,623
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/21/2020

8.) **2021 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- 18.4%
- Utility Equipment- 81.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	296.17
10.) 2021 SAIDI	679.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.41
12.) 2021 SAIFI	5.80

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

- 1.) **SUBSTATION NAME AND NUMBER** DUMESNIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1309 Dumesnil St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DU0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dumesnil St, W Magnolia Ave, & S 13th St - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 44
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 41.9%
- Other/Unknown- 53.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 4.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.47

10.) **2021 SAIDI** 201.98

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

12.) **2021 SAIFI** 1.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DUMESNIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1309 Dumesnil St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DU0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 13th St, W Hill St, & S 15th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 133
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 42.6%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 57.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.70

10.) **2021 SAIDI** 294.93

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

12.) **2021 SAIFI** 3.16

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** DX1222
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Millers Ln, Cane Run Rd, Bells Ln, & Algonquin PKY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,427
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 96.0%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 177.28

10.) **2021 SAIDI** 379.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.48

12.) **2021 SAIFI** 0.96

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

Reliability Improvements Completed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** EIGHTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 841 S 8th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Breckenridge St, S 6th St, & S 4th St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 165
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 44.2%
- Non-Company- 0.0%
- Other/Unknown- 38.1%
- Overload- 0.0%
- Planned Work- 8.3%
- Trees- 0.0%
- Utility Equipment- 9.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.24

10.) **2021 SAIDI** 90.45

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

12.) **2021 SAIFI** 0.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EIGHTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 841 S 8th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 9th St, W Kentucky St, & S 8th St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 34
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2021 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- 95.4%
- Vehicle- 4.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.56

10.) **2021 SAIDI** 188.34

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

12.) **2021 SAIFI** 0.85

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1173
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shepherdsville Rd, Rural Way, & Rangeland Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,751
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/11/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.5%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 5.6%
- Trees- 88.9%
- Utility Equipment- 2.1%
- Vehicle- 0.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	75.95
10.) 2021 SAIDI	104.96
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.76
12.) 2021 SAIFI	1.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1423
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jennings Ln, Bishop Ln, & Robards Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 51
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/13/2020

8.) **2021 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)** 41.28

10.) **2021 SAIDI** 96.71

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

12.) **2021 SAIFI** 1.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 100 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EW1240
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & Beckley Creek PKWY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 366
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 45.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.2%
- Overload- 0.0%
- Planned Work- 16.4%
- Trees- 0.0%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.10

10.) **2021 SAIDI** 24.39

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

12.) **2021 SAIFI** 0.20

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** FA1123
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Kramers Ln, Campground Rd, & Lees Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 920
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2021

- 8.) **2021 OUTAGES BY CAUSE**
 - Animal- 0.4%
 - Construction- 0.6%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 1.3%
 - Trees- 97.6%
 - Utility Equipment- 0.0%
 - Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	142.17
10.) 2021 SAIDI	337.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.19
12.) 2021 SAIFI	0.81

- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 - Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1148
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd & Lees Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,579
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/16/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 1.2%
- Lightning- 0.0%
- Non-Company- 2.9%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 6.5%
- Trees- 83.7%
- Utility Equipment- 1.4%
- Vehicle- 2.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.89

10.) **2021 SAIDI** 98.48

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

12.) **2021 SAIFI** 0.35

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farnsley Rd & Burrell Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,021
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/16/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 5.1%
- Construction- 0.0%
- Lightning- 2.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 11.7%
- Trees- 17.1%
- Utility Equipment- 63.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.45

10.) **2021 SAIDI** 72.28

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

12.) **2021 SAIFI** 1.31

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** FA1214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farnsley Rd, Cane Run Rd, Ralph Ave, & Campground Rd - N & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 982
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/16/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 2.2%
- Lightning- 2.2%
- Non-Company- 0.0%
- Other/Unknown- 9.9%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 67.4%
- Utility Equipment- 12.1%
- Vehicle- 2.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	71.39
10.) 2021 SAIDI	203.58
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.68
12.) 2021 SAIFI	2.24

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** FALLS CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1048 S 43rd St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FC0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 43rd St, Virginia Ave, Southwestern PKY - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 326
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2021 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- 45.4%
- Trees- 0.0%
- Utility Equipment- 54.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.74

10.) **2021 SAIDI** 49.10

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

12.) **2021 SAIFI** 0.26

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** FC0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 43rd St, Fordson Way, & Cecil Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 283
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2021 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- 2.9%
- Utility Equipment- 97.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 6.30

10.) **2021 SAIDI** 7.57

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

12.) **2021 SAIFI** 0.11

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** 411
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.5%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 91.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	89.45
10.) 2021 SAIDI	192.81
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) 2021 SAIFI	0.87

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1213
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Blossom Ln, Goose Creek Rd & Brownsboro Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,991
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/20/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 3.3%
- Lightning- 0.0%
- Non-Company- 0.7%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 20.7%
- Utility Equipment- 59.2%
- Vehicle- 10.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.44

10.) **2021 SAIDI** 57.48

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

12.) **2021 SAIFI** 0.65

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** 723
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 76.7%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 20.3%
- Utility Equipment- 1.6%
- Vehicle- 0.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.21

10.) **2021 SAIDI** 141.37

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84

12.) **2021 SAIFI** 0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1215
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Springhurst Blvd, Fischer Pard Dr, & I 265 S - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 80
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2021 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)	27.40
10.) 2021 SAIDI	28.86
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.) 2021 SAIFI	0.09

- 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)** 8.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 550
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/10/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 91.5%
- Overload- 0.0%
- Planned Work- 8.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.67

10.) **2021 SAIDI** 349.32

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

12.) **2021 SAIFI** 0.03

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** FL1495
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Floyd St, Burnett Ave, & Shelby St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,847
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2019

8.) **2021 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)** 41.19

10.) **2021 SAIDI** 93.75

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

12.) **2021 SAIFI** 0.99

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1496
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Floyd St, Warnock St, & Crittenden Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,121
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2019

8.) **2021 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- 20.6%
- Utility Equipment- 79.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.25

10.) **2021 SAIDI** 112.22

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

12.) **2021 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 427
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2019

8.) **2021 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- 99.9%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.20

10.) **2021 SAIDI** 202.96

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.40

12.) **2021 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1498
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Floyd St & Byrne Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 134
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2019

8.) **2021 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)	36.35
10.) 2021 SAIDI	139.03
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) 2021 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1499
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Floyd St, W Cardinal Blvd, & S Brook St - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 18.8%
- Trees- 0.0%
- Utility Equipment- 81.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.00

10.) **2021 SAIDI** 161.89

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

12.) **2021 SAIFI** 1.13

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)** 37.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,929
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 10.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 47.8%
- Overload- 0.0%
- Planned Work- 14.5%
- Trees- 4.1%
- Utility Equipment- 4.0%
- Vehicle- 19.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.47

10.) **2021 SAIDI** 19.26

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

12.) **2021 SAIFI** 1.13

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** FM1257
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brentlinger Ln, Seatonville Rd, Brush Run Rd, & Routt Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 94.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,048
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 5.0%
- Non-Company- 0.0%
- Other/Unknown- 7.6%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 71.0%
- Utility Equipment- 14.5%
- Vehicle- 1.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	82.30
10.) 2021 SAIDI	108.17
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.67
12.) 2021 SAIFI	1.19

- 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** FM1259
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fairmount Rd & Cedar Creek Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 942
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/28/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.8%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 0.4%
- Utility Equipment- 92.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.90

10.) **2021 SAIDI** 234.37

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

12.) **2021 SAIFI** 3.20

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)** 34.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 826
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/20/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 26.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.9%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 57.5%
- Utility Equipment- 6.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.01

10.) **2021 SAIDI** 76.23

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

12.) **2021 SAIFI** 1.64

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

Trees Trimmed in 2021

- 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)** 32.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,088
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/28/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 1.5%
- Utility Equipment- 95.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.86
- 10.) **2021 SAIDI** 57.92
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 12.) **2021 SAIFI** 0.61

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 128 N 44th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FO0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 44th St & Bank St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 213
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2020

8.) **2021 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- 16.0%
- Trees- 79.3%
- Utility Equipment- 4.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.26
- 10.) **2021 SAIDI** 107.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44
- 12.) **2021 SAIFI** 0.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 128 N 44th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FO0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 44th St, W Market St, & Fontaine Landing Ct - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 357
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 10.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 26.3%
- Trees- 35.9%
- Utility Equipment- 0.0%
- Vehicle- 27.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.12
- 10.) **2021 SAIDI** 36.06
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61
- 12.) **2021 SAIFI** 0.34

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** FV1135
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Forest Dr, E Indian Trl, & Poplar Level Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,112
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 5.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 10.7%
- Other/Unknown- 14.9%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 5.4%
- Utility Equipment- 30.8%
- Vehicle- 32.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.49

10.) **2021 SAIDI** 197.43

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

12.) **2021 SAIFI** 2.63

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** FV1137
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fern Valley Rd, Industrial Blvd, & Orange Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 427
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2021

8.) **2021 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- 2.1%
- Trees- 0.0%
- Utility Equipment- 97.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	48.67
10.) 2021 SAIDI	85.79
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) 2021 SAIFI	0.51

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)** 11.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,078
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/01/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 27.5%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.2%
- Utility Equipment- 4.1%
- Vehicle- 67.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.65

10.) **2021 SAIDI** 336.34

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

12.) **2021 SAIFI** 2.91

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** FV1143
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Clay Ave, Minor Ln, Foreman Ln, & Bonaventure Blvd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,504
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 26.1%
- Utility Equipment- 69.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 124.98

10.) **2021 SAIDI** 126.69

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

12.) **2021 SAIFI** 0.65

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** GAULBERT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2950 Wilson Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GA0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Catalpa St, Woodland Ave, & Hemlock St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 461
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 8.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 7.2%
- Planned Work- 5.1%
- Trees- 17.4%
- Utility Equipment- 19.6%
- Vehicle- 38.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.36

10.) **2021 SAIDI** 100.71

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

12.) **2021 SAIFI** 0.74

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** GD0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenwood Ave, S 28th St, Virginia Ave, & S 26th St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 739
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 26.0%
- Other/Unknown- 56.1%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 1.4%
- Utility Equipment- 6.1%
- Vehicle- 8.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	45.25
10.) 2021 SAIDI	94.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.34
12.) 2021 SAIFI	0.61

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** 583
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 4.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 15.9%
- Trees- 72.8%
- Utility Equipment- 3.2%
- Vehicle- 2.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.03

10.) **2021 SAIDI** 65.88

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

12.) **2021 SAIFI** 1.22

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** 672
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 50.6%
- Other/Unknown- 14.2%
- Overload- 0.3%
- Planned Work- 18.9%
- Trees- 8.4%
- Utility Equipment- 6.0%
- Vehicle- 1.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.63

10.) **2021 SAIDI** 169.41

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

12.) **2021 SAIFI** 1.46

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** 169
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 16.0%
- Overload- 0.0%
- Planned Work- 25.5%
- Trees- 55.6%
- Utility Equipment- 3.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	103.00
10.) 2021 SAIDI	140.86
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.29
12.) 2021 SAIFI	0.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1330
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021

8.) **2021 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)** 298.80
- 10.) **2021 SAIDI** 105.35
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 12.) **2021 SAIFI** 2.00

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

Continue to Monitor

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

8.) **2021 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)	456.22
10.) 2021 SAIDI	621.70
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.50
12.) 2021 SAIFI	2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1334
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2021

8.) **2021 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)** 456.08

10.) **2021 SAIDI** 622.05

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

12.) **2021 SAIFI** 2.00

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

Continue to Monitor

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

8.) **2021 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)	419.33
10.) 2021 SAIDI	622.13
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.80
12.) 2021 SAIFI	2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1336
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2021 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)** 453.87

10.) **2021 SAIDI** 619.35

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

12.) **2021 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GOSS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1260 Goss Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 702
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 12.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.6%
- Overload- 0.0%
- Planned Work- 21.7%
- Trees- 0.0%
- Utility Equipment- 13.1%
- Vehicle- 22.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.18

10.) **2021 SAIDI** 46.32

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

12.) **2021 SAIFI** 0.31

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** 410
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.8%
- Overload- 0.0%
- Planned Work- 69.6%
- Trees- 4.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.20

10.) **2021 SAIDI** 49.54

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

12.) **2021 SAIFI** 0.47

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1124
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I 264 East & Stratton Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 253
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 64.1%
- Construction- 26.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.69

10.) **2021 SAIDI** 65.77

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

12.) **2021 SAIFI** 1.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1463
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stratton Ave, Louis Coleman Jr Dr, & Grand Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,794
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 98.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	43.81
10.) 2021 SAIDI	52.40
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.70
12.) 2021 SAIFI	1.98

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1464
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Algonquin Pky, Virginia Ave, & S 43rd St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 783
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 99.4%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.0%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.78

10.) **2021 SAIDI** 199.57

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.63

12.) **2021 SAIFI** 3.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HALE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 185 Hale Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HA0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Hale Ave, Dumesnil St, & St Louis Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 595
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.1%
- Utility Equipment- 27.1%
- Vehicle- 69.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.40

10.) **2021 SAIDI** 118.24

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

12.) **2021 SAIFI** 2.14

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** HB1142
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky, Taylorsville Rd, & Stony Brook Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,028
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/14/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 8.1%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 16.6%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 22.7%
- Utility Equipment- 52.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.40

10.) **2021 SAIDI** 80.69

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

12.) **2021 SAIFI** 1.34

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** HB1148
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Hickory Rd, Taylorsville Rd, College Dr, & Rown Tree Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,278
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 11.9%
- Non-Company- 0.0%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 9.3%
- Trees- 64.7%
- Utility Equipment- 2.7%
- Vehicle- 3.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	45.95
10.) 2021 SAIDI	64.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.36
12.) 2021 SAIFI	0.65

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Plantside Dr, Production Dr, & Research Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 32
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2019

8.) **2021 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 69.7%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 30.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		27.00
10.) 2021 SAIDI		61.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.26
12.) 2021 SAIFI		0.45

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** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2021

8.) **2021 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)** 93.58
- 10.) **2021 SAIDI** 19.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2021 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HERMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 3619 Jefferson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, 37th, 36th, 35th & 34th St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 678
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 7.5%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 7.9%
- Trees- 0.0%
- Utility Equipment- 8.6%
- Vehicle- 75.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	88.54
10.) 2021 SAIDI	386.06
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43
12.) 2021 SAIFI	1.62

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** HE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Amy Ave, W Market St, 39th, 40th, 41st, & 42nd St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 592
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.8%
- Non-Company- 0.0%
- Other/Unknown- 9.3%
- Overload- 0.0%
- Planned Work- 7.7%
- Trees- 81.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.88
10.) 2021 SAIDI	91.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.39
12.) 2021 SAIFI	1.24

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** 664
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 18.4%
- Trees- 4.2%
- Utility Equipment- 74.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.34

10.) **2021 SAIDI** 13.15

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

12.) **2021 SAIFI** 0.15

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** HE0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, S 43rd St, & Herman St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 295
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 19.4%
- Planned Work- 0.0%
- Trees- 80.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.45

10.) **2021 SAIDI** 10.94

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

12.) **2021 SAIFI** 1.04

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** HI1101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Longest Ave, & Grinstead Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,887
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.0%
- Planned Work- 4.9%
- Trees- 39.8%
- Utility Equipment- 2.5%
- Vehicle- 47.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.77

10.) **2021 SAIDI** 118.17

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

12.) **2021 SAIFI** 0.66

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

Reliability Improvements Scheduled for 2022

- 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)** 5.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 350
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 34.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 40.9%
- Vehicle- 25.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.75

10.) **2021 SAIDI** 205.36

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

12.) **2021 SAIFI** 2.57

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** HK1238
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Timber Bridge Dr & Fox Harbor Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 429
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 98.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 169.06

10.) **2021 SAIDI** 381.53

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

12.) **2021 SAIFI** 0.67

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Rd, Avish Ln, & Rockledge Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 540
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 13.2%
- Non-Company- 0.0%
- Other/Unknown- 17.7%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 19.0%
- Utility Equipment- 46.0%
- Vehicle- 0.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 131.64

10.) **2021 SAIDI** 123.01

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

12.) **2021 SAIFI** 1.27

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)** 10.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 582
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 5.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 17.1%
- Utility Equipment- 77.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.55

10.) **2021 SAIDI** 19.55

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

12.) **2021 SAIFI** 1.20

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** 383
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/18/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 2.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.6%
- Overload- 0.7%
- Planned Work- 1.7%
- Trees- 38.6%
- Utility Equipment- 47.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.05

10.) **2021 SAIDI** 95.28

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

12.) **2021 SAIFI** 0.39

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

Trees Trimmed in 2021

- 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)** 46.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,250
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/25/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 1.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 34.9%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 60.6%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.87

10.) **2021 SAIDI** 76.30

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.92

12.) **2021 SAIFI** 1.49

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

Trees Trimmed in 2021

- 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** 1,223
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 36.0%
- Trees- 0.0%
- Utility Equipment- 14.9%
- Vehicle- 44.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.89

10.) **2021 SAIDI** 82.45

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

12.) **2021 SAIFI** 0.42

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** 1,146
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/27/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 32.8%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 34.7%
- Utility Equipment- 31.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	69.32
10.) 2021 SAIDI	103.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.84
12.) 2021 SAIFI	1.27

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Lower Hunters Trace, Terry Rd, & Mt Everest Dr - ESE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,004
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/27/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 4.2%
- Other/Unknown- 37.8%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 49.4%
- Utility Equipment- 7.4%
- Vehicle- 0.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.24

10.) **2021 SAIDI** 84.85

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

12.) **2021 SAIFI** 1.26

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Logistics Dr, International Dr, & Riberport Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 44
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2021

8.) **2021 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.76
- 10.) **2021 SAIDI** 86.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37
- 12.) **2021 SAIFI** 0.22

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** IN1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd, Port Rd, & Intermodal Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 254
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 78.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 12.2%
- Utility Equipment- 4.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.67

10.) **2021 SAIDI** 53.74

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

12.) **2021 SAIFI** 1.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1157
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 3rd St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 303
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 8.1%
- Trees- 2.0%
- Utility Equipment- 0.0%
- Vehicle- 89.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.07

10.) **2021 SAIDI** 113.18

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

12.) **2021 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1158
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Inverness Ave, New Cut Rd, & Palatka Rd - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,409
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.4%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.1%
- Overload- 0.0%
- Planned Work- 5.2%
- Trees- 34.7%
- Utility Equipment- 22.2%
- Vehicle- 29.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.50

10.) **2021 SAIDI** 31.21

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

12.) **2021 SAIFI** 0.22

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

Trees Trimmed in 2021

- 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)** 12.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,433
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 7.2%
- Construction- 3.9%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.3%
- Overload- 0.0%
- Planned Work- 14.9%
- Trees- 17.5%
- Utility Equipment- 18.1%
- Vehicle- 12.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.55

10.) **2021 SAIDI** 62.94

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

12.) **2021 SAIFI** 1.34

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** KE1160
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Steedly Dr, Enterprise Dr, & National TPke - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 126
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2021

8.) **2021 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- 6.6%
- Trees- 0.0%
- Utility Equipment- 93.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	59.16
10.) 2021 SAIDI	201.54
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.83
12.) 2021 SAIFI	2.06

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** KE1161
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southside Dr, 3rd St, & W Kenwood Way - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 738
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 43.6%
- Overload- 0.0%
- Planned Work- 4.7%
- Trees- 3.7%
- Utility Equipment- 4.2%
- Vehicle- 41.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.27

10.) **2021 SAIDI** 78.19

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

12.) **2021 SAIFI** 0.73

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** KE1162
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Strawberry Ln & Eiler Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 79
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2021 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- 28.3%
- Trees- 0.0%
- Utility Equipment- 71.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.89

10.) **2021 SAIDI** 40.71

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

12.) **2021 SAIFI** 0.25

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** 287
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 21.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 78.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.82
10.) 2021 SAIDI	28.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2021 SAIFI	0.23

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** LN0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St & Miller Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 482
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 43.5%
- Overload- 12.1%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 44.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.01

10.) **2021 SAIDI** 39.95

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

12.) **2021 SAIFI** 0.41

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St & Gernert Ct - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 497
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 45.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 0.0%
- Utility Equipment- 35.7%
- Vehicle- 11.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.59

10.) **2021 SAIDI** 27.17

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

12.) **2021 SAIFI** 0.30

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** LO1193
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Belmar Dr, & Phillips Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,291
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 8.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.1%
- Planned Work- 67.2%
- Trees- 12.3%
- Utility Equipment- 0.7%
- Vehicle- 7.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.68

10.) **2021 SAIDI** 92.20

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

12.) **2021 SAIFI** 1.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Bellemeade
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 16.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,906
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 21.4%
- Non-Company- 0.0%
- Other/Unknown- 31.9%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 32.1%
- Utility Equipment- 9.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	77.84
10.) 2021 SAIDI	86.96
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.53
12.) 2021 SAIFI	0.61

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8407 LaGrange Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LY1112
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - New La Grange Rd & Willow Springs Dr - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 176
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2021 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- 0.0%
- Vehicle- 100.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.79
- 10.) **2021 SAIDI** 65.29
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2021 SAIFI** 0.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - LGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 14660 Dixie Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MC1262
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Watson Ln, Galston Blvd, & Dixie Hwy - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,302
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/12/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 89.7%
- Utility Equipment- 4.7%
- Vehicle- 1.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.15

10.) **2021 SAIDI** 55.04

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

12.) **2021 SAIFI** 1.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MADISON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 635 E Madison - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MD1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Madison St, Wenzel St, Baxter Ave, & Lexington Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 17
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2021 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)	46.87
10.) 2021 SAIDI	104.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2021 SAIFI	1.00

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)** 8.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 457
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.3%
- Overload- 0.0%
- Planned Work- 11.2%
- Trees- 0.0%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 121.47
- 10.) **2021 SAIDI** 118.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31
- 12.) **2021 SAIFI** 2.03

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** MD1457
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, E Main St, Story Ave, & Buchanan St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 98
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2021 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- 1.6%
- Trees- 0.0%
- Utility Equipment- 98.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.27

10.) **2021 SAIDI** 36.44

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

12.) **2021 SAIFI** 1.01

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** MG0417
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 15th St, Cedar St, Chestnut St, 18th & 19th St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 748
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 2.0%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 37.5%
- Overload- 2.7%
- Planned Work- 1.9%
- Trees- 0.0%
- Utility Equipment- 51.2%
- Vehicle- 1.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 114.30

10.) **2021 SAIDI** 162.89

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

12.) **2021 SAIFI** 1.73

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)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 53
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 37.2%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 0.0%
- Utility Equipment- 62.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 153.26

10.) **2021 SAIDI** 217.45

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.29

12.) **2021 SAIFI** 8.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG1329
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway, 9th St, 8th St, 7th St, & 5th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 136
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 47.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.4%
- Utility Equipment- 52.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 126.90

10.) **2021 SAIDI** 117.76

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.56

12.) **2021 SAIFI** 2.01

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd Street Rd, Chistland Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 482
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 9.8%
- Vehicle- 89.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.54

10.) **2021 SAIDI** 421.26

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

12.) **2021 SAIFI** 1.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Saint Anthony's Church Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 144
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/06/2018

8.) **2021 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- 0.0%
- Trees- 86.5%
- Utility Equipment- 0.0%
- Vehicle- 9.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.85

10.) **2021 SAIDI** 86.31

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

12.) **2021 SAIFI** 0.37

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

Tree Trim Scheduled for 2022

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop & National Tpike - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,338
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 70.7%
- Non-Company- 0.0%
- Other/Unknown- 11.4%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 16.9%
- Vehicle- 0.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.91

10.) **2021 SAIDI** 55.28

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

12.) **2021 SAIFI** 0.36

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)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,299
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.9%
- Construction- 1.0%
- Lightning- 13.4%
- Non-Company- 0.0%
- Other/Unknown- 5.4%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 55.9%
- Utility Equipment- 18.5%
- Vehicle- 1.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.19
10.) 2021 SAIDI	47.17
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.28
12.) 2021 SAIFI	0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greyling Dr and Blevins Gap Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 421
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.1%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 86.7%
- Utility Equipment- 0.0%
- Vehicle- 2.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	503.55
10.) 2021 SAIDI	791.56
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	4.19
12.) 2021 SAIFI	5.91

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)** 19.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,779
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/07/2017

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 3.8%
- Other/Unknown- 7.7%
- Overload- 0.0%
- Planned Work- 13.6%
- Trees- 1.8%
- Utility Equipment- 59.4%
- Vehicle- 10.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.88

10.) **2021 SAIDI** 27.94

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

12.) **2021 SAIFI** 1.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1296
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St Rd, Christland Rd, & Manslick Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,740
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 8.0%
- Non-Company- 0.0%
- Other/Unknown- 24.2%
- Overload- 0.0%
- Planned Work- 8.2%
- Trees- 53.2%
- Utility Equipment- 5.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	46.06
10.) 2021 SAIDI	51.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) 2021 SAIFI	0.56

- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Tree Trim Scheduled for 2022

- 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)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 788
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2017

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.5%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 92.1%
- Utility Equipment- 0.2%
- Vehicle- 0.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	68.95
10.) 2021 SAIDI	85.53
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.28
12.) 2021 SAIFI	0.38

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

Tree Trim Scheduled for 2022

- 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)** 52.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,695
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/24/2019

- 8.) **2021 OUTAGES BY CAUSE**
 - Animal- 9.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.8%
 - Other/Unknown- 52.5%
 - Overload- 0.0%
 - Planned Work- 1.4%
 - Trees- 5.2%
 - Utility Equipment- 30.5%
 - Vehicle- 0.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	31.33
10.) 2021 SAIDI	45.51
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.49
12.) 2021 SAIFI	1.27

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

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Lees Ln, Rogers Ave, & Zoneton Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,713
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 48.2%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 0.3%
- Utility Equipment- 47.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.30
- 10.) **2021 SAIDI** 50.62
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45
- 12.) **2021 SAIFI** 0.89

- 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** 2,560
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 6.5%
- Construction- 0.4%
- Lightning- 15.9%
- Non-Company- 0.0%
- Other/Unknown- 16.6%
- Overload- 0.0%
- Planned Work- 8.5%
- Trees- 16.6%
- Utility Equipment- 35.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	31.70
10.) 2021 SAIDI	64.79
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.58
12.) 2021 SAIFI	1.04

- 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)** 37.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,610
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 16.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.2%
- Other/Unknown- 35.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 39.8%
- Utility Equipment- 8.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.25

10.) **2021 SAIDI** 26.93

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

12.) **2021 SAIFI** 1.24

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** ML1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southpoint Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2019

8.) **2021 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)** 2763.60

10.) **2021 SAIDI** 13627.37

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

12.) **2021 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MULDRAUGH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - 100 Carpenter Test Rd. - Muldraugh
- 3.) **CIRCUIT NAME AND NUMBER** MU1101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Muldraugh - Carpenter Test Rd, Main St, & Dixie Hwy - E & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 558
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/27/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 3.1%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 95.2%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.16

10.) **2021 SAIDI** 172.69

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.38

12.) **2021 SAIFI** 2.03

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1266
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Six Mile Ln, Stony Brook Dr, & Hampton Ridge Ct - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,678
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/26/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 2.2%
- Lightning- 13.8%
- Non-Company- 0.0%
- Other/Unknown- 7.8%
- Overload- 0.0%
- Planned Work- 12.4%
- Trees- 17.8%
- Utility Equipment- 44.7%
- Vehicle- 1.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.69
10.) 2021 SAIDI	43.18
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) 2021 SAIFI	1.12

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

Reliability Improvements Scheduled for 2022

- 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)** 12.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,418
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/11/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 6.2%
- Trees- 0.7%
- Utility Equipment- 14.0%
- Vehicle- 71.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.32

10.) **2021 SAIDI** 116.08

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

12.) **2021 SAIFI** 1.45

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** 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)** 22.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,622
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 57.7%
- Construction- 1.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 27.7%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 10.5%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.83

10.) **2021 SAIDI** 51.14

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

12.) **2021 SAIFI** 1.51

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** OH1174
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bush Farm Dr and Aiken Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 876
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 68.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 7.6%
- Trees- 0.0%
- Utility Equipment- 17.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.65

10.) **2021 SAIDI** 10.94

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

12.) **2021 SAIFI** 0.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1271
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop, Robbs Ln, & Monaco Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 952
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.3%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 71.1%
- Utility Equipment- 5.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.51

10.) **2021 SAIDI** 14.25

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12

12.) **2021 SAIFI** 0.15

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)** 12.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,342
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 9.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.9%
- Overload- 3.8%
- Planned Work- 3.7%
- Trees- 26.4%
- Utility Equipment- 14.6%
- Vehicle- 40.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.96

10.) **2021 SAIDI** 25.55

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

12.) **2021 SAIFI** 1.48

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** 586
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 46.9%
- Trees- 3.1%
- Utility Equipment- 48.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.02
- 10.) **2021 SAIDI** 38.11
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2021 SAIFI** 0.40

- 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** OX1274
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Oxmoore Ln, Bramton Rd, & Sherburn Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,630
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.0%
- Overload- 0.0%
- Planned Work- 3.9%
- Trees- 14.2%
- Utility Equipment- 56.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 137.74

10.) **2021 SAIDI** 250.21

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.53

12.) **2021 SAIFI** 2.28

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** OX1275
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Christian Way & Oxmoor Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 89
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2021 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)	224.79
10.) 2021 SAIDI	613.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60
12.) 2021 SAIFI	1.00

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** OX1278
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Christian Way & Oxmoor Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2021 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)** 301.96

10.) **2021 SAIDI** 614.08

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

12.) **2021 SAIFI** 1.00

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** PI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, 22nd St, 19th St, & Cedar St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 544
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 8.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.7%
- Overload- 0.0%
- Planned Work- 15.6%
- Trees- 0.0%
- Utility Equipment- 51.5%
- Vehicle- 18.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.23

10.) **2021 SAIDI** 109.50

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

12.) **2021 SAIFI** 0.55

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** 562
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 4.8%
- Other/Unknown- 5.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 2.2%
- Utility Equipment- 21.3%
- Vehicle- 66.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 135.65

10.) **2021 SAIDI** 153.13

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

12.) **2021 SAIFI** 0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Greenwood Rd, Sky Blue Ave, & Galaxie Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,436
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 0.3%
- Utility Equipment- 5.1%
- Vehicle- 83.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	94.77
10.) 2021 SAIDI	117.36
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.04
12.) 2021 SAIFI	1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1274
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Lower Hunters Trace, & Flintlock Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,247
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 2.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 2.8%
- Planned Work- 3.9%
- Trees- 1.4%
- Utility Equipment- 0.0%
- Vehicle- 88.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 81.73

10.) **2021 SAIDI** 93.88

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

12.) **2021 SAIFI** 0.45

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)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 255
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 86.1%
- 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- 13.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.63

10.) **2021 SAIDI** 26.91

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

12.) **2021 SAIFI** 0.46

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** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 20.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 61.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 17.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.40

10.) **2021 SAIDI** 228.02

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.60

12.) **2021 SAIFI** 4.00

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** PR1386
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - Campground Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2021

8.) **2021 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)	15.08
10.) 2021 SAIDI	75.38
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2021 SAIFI	1.00

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** PR1387
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - No Road - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2021

8.) **2021 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)** 72.86

10.) **2021 SAIDI** 108.63

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

12.) **2021 SAIFI** 1.00

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)** 12/04/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 72.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 27.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.12

10.) **2021 SAIDI** 27.10

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

12.) **2021 SAIFI** 1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** PR1390
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - Algonquin Pky & Gibson Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 14
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 45.6%
- Non-Company- 0.0%
- Other/Unknown- 54.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 166.64

10.) **2021 SAIDI** 350.72

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.46

12.) **2021 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** PR1392
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New - Albany - No Road - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2021

8.) **2021 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)** 42.23

10.) **2021 SAIDI** 211.15

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

12.) **2021 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1250
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Dorsey Ln, & Ward Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,842
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 18.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.2%
- Overload- 0.3%
- Planned Work- 4.7%
- Trees- 64.6%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	55.88
10.) 2021 SAIDI	95.34
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.) 2021 SAIFI	1.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Louisville - 1231 S 7th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ave, 6th St, & 4th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 432
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 10.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.8%
- Overload- 0.0%
- Planned Work- 28.1%
- Trees- 53.6%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.25

10.) **2021 SAIDI** 68.66

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

12.) **2021 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Louisville - 1231 S 7th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SE0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Oak St, Garvin Pl, & 4th St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 552
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 17.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 42.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 15.2%
- Utility Equipment- 24.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.55
10.) 2021 SAIDI	33.52
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.12
12.) 2021 SAIFI	0.25

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

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1281
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th Street Rd, Arcade Ave, Taylor Blvd, & Clara Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,638
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/25/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 4.3%
- Construction- 9.1%
- Lightning- 26.3%
- Non-Company- 4.4%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 24.6%
- Trees- 0.0%
- Utility Equipment- 7.8%
- Vehicle- 23.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.53

10.) **2021 SAIDI** 36.42

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

12.) **2021 SAIFI** 0.25

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** SH1283
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Elderwood Way & Crums Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/25/2021

8.) **2021 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)** 62.87

10.) **2021 SAIDI** 214.59

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

12.) **2021 SAIFI** 0.67

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** SH1284
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,319
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2022

8.) **2021 OUTAGES BY CAUSE**

- Animal- 12.1%
- Construction- 1.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 68.3%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 1.9%
- Utility Equipment- 14.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.77

10.) **2021 SAIDI** 84.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.97

12.) **2021 SAIFI** 0.46

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** SH1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Nobel Pl, Dixie Hwy, & Appleton Ln - NW & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,117
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/25/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 3.1%
- Other/Unknown- 17.4%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 4.2%
- Utility Equipment- 12.5%
- Vehicle- 60.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.28

10.) **2021 SAIDI** 297.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.27

12.) **2021 SAIFI** 3.62

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)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 22
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.6%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 25.3%
- Trees- 5.6%
- Utility Equipment- 0.0%
- Vehicle- 66.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 180.94

10.) **2021 SAIDI** 167.36

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

12.) **2021 SAIFI** 1.61

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** SH1457
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crums Ln & San Jose Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2021

8.) **2021 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)** 19.05

10.) **2021 SAIDI** 95.27

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

12.) **2021 SAIFI** 2.00

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)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2021

8.) **2021 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)	38.85
10.) 2021 SAIDI	68.98
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43
12.) 2021 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SKYLIGHT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 8617 W Hwy 42 - Skylight
- 3.) **CIRCUIT NAME AND NUMBER** SK1127
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Skylight - Hwy 42, Axton Ln, Shiloh Ln, & Hwy 1694 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 267
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/21/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.9%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 65.9%
- Utility Equipment- 24.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 128.48

10.) **2021 SAIDI** 244.37

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

12.) **2021 SAIFI** 2.65

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

Tree Trim Scheduled for 2022

- 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)** 11.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,481
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/19/2022

- 8.) **2021 OUTAGES BY CAUSE**
 - Animal- 6.0%
 - Construction- 1.5%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 9.5%
 - Overload- 0.0%
 - Planned Work- 0.7%
 - Trees- 39.7%
 - Utility Equipment- 20.3%
 - Vehicle- 22.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.66
- 10.) **2021 SAIDI** 24.92
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28
- 12.) **2021 SAIFI** 0.28

- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 - Trees Trimmed in 2022

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1233
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Whitney Ave, 5th St, Bluegrass Ave & Taylor Ave - SW of Substation of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,758
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2021 OUTAGES BY CAUSE**

- Animal- 26.5%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 10.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 4.8%
- Trees- 10.4%
- Utility Equipment- 38.9%
- Vehicle- 5.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	41.65
10.) 2021 SAIDI	46.65
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46
12.) 2021 SAIFI	0.78

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

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1360
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Allmond Ave, Strawberry Ln, & Crittenden Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 103
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 93.8%
- Overload- 0.0%
- Planned Work- 6.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.84

10.) **2021 SAIDI** 190.79

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

12.) **2021 SAIFI** 1.14

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** SM1362
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Phillips Ln, & Air Freight Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 17
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2021

8.) **2021 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- 41.9%
- Trees- 0.0%
- Utility Equipment- 58.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.19

10.) **2021 SAIDI** 74.24

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

12.) **2021 SAIFI** 2.00

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)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 539
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 37.4%
- Overload- 0.0%
- Planned Work- 8.1%
- Trees- 0.0%
- Utility Equipment- 54.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.79

10.) **2021 SAIDI** 35.62

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

12.) **2021 SAIFI** 0.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 3908 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SN0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 40th St & Garland Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 273
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 13.6%
- Trees- 0.0%
- Utility Equipment- 65.2%
- Vehicle- 17.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.09

10.) **2021 SAIDI** 45.20

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

12.) **2021 SAIFI** 0.42

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** SN0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Broadway, 40th, 41st, 42nd, 43rd, & 44th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 632
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 5.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 41.6%
- Overload- 0.0%
- Planned Work- 26.2%
- Trees- 27.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.20
- 10.) **2021 SAIDI** 98.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60
- 12.) **2021 SAIFI** 0.51

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** 176
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2021 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)	26.34
10.) 2021 SAIDI	35.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.45
12.) 2021 SAIFI	0.13

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** SO0421
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Burnett Ave, Brook St, & Lee St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 511
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 33.2%
- Non-Company- 0.0%
- Other/Unknown- 7.6%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 39.1%
- Utility Equipment- 20.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.95
- 10.) **2021 SAIDI** 91.11
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2021 SAIFI** 0.54

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** SO0453
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St, Oak St, & Brook St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 628
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 53.9%
- Utility Equipment- 31.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.50

10.) **2021 SAIDI** 37.45

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

12.) **2021 SAIFI** 0.42

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1412 Fairdale Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SP1114
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farmers Ln, South Park Rd, & Minor Ln - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 533
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/12/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 83.9%
- Utility Equipment- 12.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 242.02

10.) **2021 SAIDI** 37.27

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

12.) **2021 SAIFI** 1.81

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** South Park
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1412 Fairdale Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SP3302
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blue Lick Rd, Raymond Rd, & Hwy 44 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/12/2019

8.) **2021 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- 67.9%
- Utility Equipment- 32.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	231.60
10.) 2021 SAIDI	801.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.80
12.) 2021 SAIFI	5.00

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** SV1121
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Hwy 44, Blue Lick Rd, & Buckman St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 981
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/15/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 27.7%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 0.0%
- Utility Equipment- 0.1%
- Vehicle- 70.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.99

10.) **2021 SAIDI** 72.15

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

12.) **2021 SAIFI** 0.35

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** 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** 1,441
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 21.2%
- Construction- 1.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.5%
- Overload- 0.0%
- Planned Work- 17.7%
- Trees- 29.6%
- Utility Equipment- 0.2%
- Vehicle- 16.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.07

10.) **2021 SAIDI** 33.99

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

12.) **2021 SAIFI** **1.36**

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

Tree Trim Scheduled for 2022

- 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** 2,078
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2017

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.2%
- Overload- 0.0%
- Planned Work- 12.5%
- Trees- 22.0%
- Utility Equipment- 0.7%
- Vehicle- 57.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 130.51
- 10.) **2021 SAIDI** 116.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.13
- 12.) **2021 SAIFI** 1.82

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1188
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Rockford Ln, Imperial Ter, & Dover Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,900
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 10.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.7%
- Overload- 0.0%
- Planned Work- 4.3%
- Trees- 3.7%
- Utility Equipment- 0.1%
- Vehicle- 69.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.53
- 10.) **2021 SAIDI** 34.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2021 SAIFI** 0.88

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** 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** 1,357
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.1%
- Lightning- 12.5%
- Non-Company- 0.0%
- Other/Unknown- 13.4%
- Overload- 0.0%
- Planned Work- 11.0%
- Trees- 9.3%
- Utility Equipment- 51.7%
- Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		57.51
10.)	2021 SAIDI		49.46
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.35
12.)	2021 SAIFI		0.38

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** SW1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Hazelwood Ave, Manslick Rd, & Brick Kiln Ln - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 39
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2017

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 68.6%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	378.36	
10.) 2021 SAIDI	803.11	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.94	
12.) 2021 SAIFI	2.88	

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1250
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Vaughn Mill Rd, Outer Loop & Fegenbush Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,222
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 3.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.8%
- Overload- 0.0%
- Planned Work- 7.1%
- Trees- 38.1%
- Utility Equipment- 32.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.12

10.) **2021 SAIDI** 53.29

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

12.) **2021 SAIFI** 0.30

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

Tree Trim Scheduled for 2022

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1251
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Smyrna Pky, Michael Ray Dr, & Lantana Dr - NW & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,518
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/14/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 5.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 85.7%
- Utility Equipment- 8.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.14
- 10.) **2021 SAIDI** 56.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34
- 12.) **2021 SAIFI** 0.37

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

Tree Trim Scheduled for 2022

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1253
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Cinderella Ln, & Shepherdsville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,558
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/14/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 1.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 16.6%
- Utility Equipment- 2.1%
- Vehicle- 79.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.46

10.) **2021 SAIDI** 134.00

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

12.) **2021 SAIFI** 1.58

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1254
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Vaughn Mill Rd, Outer Loop & Smyrna Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,209
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/14/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 17.7%
- Construction- 9.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 29.8%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 30.4%
- Utility Equipment- 11.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.37

10.) **2021 SAIDI** 59.71

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

12.) **2021 SAIFI** 0.74

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

Tree Trim Scheduled for 2022

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1106
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blankenbaker Ln, Riviera Dr, & Woodside Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,214
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.9%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 54.1%
- Utility Equipment- 11.5%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 161.21

10.) **2021 SAIDI** 148.52

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.64

12.) **2021 SAIFI** 2.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1133
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 42 & Lime Kiln Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,165
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 8.5%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 82.8%
- Utility Equipment- 5.4%
- Vehicle- 0.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	169.92
10.) 2021 SAIDI	231.47
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.94
12.) 2021 SAIFI	1.33

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

Reliability Improvements Scheduled for 2022

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Winding Bluff Trce, I264, & Blankenbaker Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,128
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/22/2018

8.) **2021 OUTAGES BY CAUSE**

- Animal- 6.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 31.5%
- Overload- 0.0%
- Planned Work- 2.6%
- Trees- 33.0%
- Utility Equipment- 26.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	175.03
10.) 2021 SAIDI	268.06
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.11
12.) 2021 SAIFI	2.58

- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Tree Trim Scheduled for 2022

- 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)** 23.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,358
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.5%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 32.8%
- Utility Equipment- 61.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.99
10.) 2021 SAIDI	71.11
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) 2021 SAIFI	1.45

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** 26
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2021 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)** 22.26

10.) **2021 SAIDI** 77.38

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

12.) **2021 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1247
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 366
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2021 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- 0.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 99.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.70

10.) **2021 SAIDI** 358.88

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

12.) **2021 SAIFI** 0.80

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** TT3314
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - Chaffee Ave, Gold Vault Rd, & 5th Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 95.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 4.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5372.66
10.) 2021 SAIDI	18618.23
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60
12.) 2021 SAIFI	1.00

- 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** 894
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 13.3%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 66.7%
- Overload- 0.0%
- Planned Work- 5.5%
- Trees- 10.5%
- Utility Equipment- 3.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	28.38
10.) 2021 SAIDI	53.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.) 2021 SAIFI	0.45

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)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 376
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 45.9%
- Utility Equipment- 28.1%
- Vehicle- 21.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	156.59
10.) 2021 SAIDI	318.28
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.77
12.) 2021 SAIFI	0.75

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Broadway, 24th, 234d, 22nd, & Dr W J Hodge St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 429
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.9%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 0.0%
- Utility Equipment- 20.0%
- Vehicle- 69.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.92

10.) **2021 SAIDI** 140.31

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

12.) **2021 SAIFI** 0.32

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** WE0006
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Chestnut St, 30th St, & 31st St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 193
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 92.2%
- Trees- 6.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	150.92
10.) 2021 SAIDI	242.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2021 SAIFI	0.59

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WHAS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1310 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WH1115
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Flat Rock Rd, Polo Fields Ln, & Glen Lakes Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 984
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2020

8.) **2021 OUTAGES BY CAUSE**

- Animal- 9.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.4%
- Overload- 38.2%
- Planned Work- 0.7%
- Trees- 16.5%
- Utility Equipment- 5.6%
- Vehicle- 19.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.44

10.) **2021 SAIDI** 139.31

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

12.) **2021 SAIFI** 1.86

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** WO1179
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chamberlain Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,152
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.7%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 0.0%
- Utility Equipment- 91.4%
- Vehicle- 2.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		63.87	
10.) 2021 SAIDI		127.17	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.40	
12.) 2021 SAIFI		0.78	

- 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** 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)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 172
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2021

8.) **2021 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- 4.4%
- Trees- 0.0%
- Utility Equipment- 95.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	4.03
10.) 2021 SAIDI	16.74
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.02
12.) 2021 SAIFI	0.04

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** 752
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/11/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 11.5%
- Construction- 4.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 47.4%
- Overload- 0.0%
- Planned Work- 27.8%
- Trees- 0.0%
- Utility Equipment- 9.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	14.32
10.) 2021 SAIDI	30.23
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) 2021 SAIFI	0.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATERSIDE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 221 North Third St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WS1305
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Main St, 1st St, Floyd St, & Bingham Way - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2021 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)** 24.78

10.) **2021 SAIDI** 92.99

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

12.) **2021 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATERSIDE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 221 North Third St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WS1306
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Main St, 2nd St, & 3rd St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 38
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.6%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 0.0%
- Utility Equipment- 87.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	124.23
10.) 2021 SAIDI	620.36
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2021 SAIFI	2.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATERSIDE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 221 North Third St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 70
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.8%
- Overload- 0.0%
- Planned Work- 3.9%
- Trees- 0.0%
- Utility Equipment- 58.7%
- Vehicle- 11.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	84.33
10.) 2021 SAIDI	167.77
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.23
12.) 2021 SAIFI	1.59

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** WT1151
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky, Watterson Trl, Ferndale Rd, & Johnson School Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,655
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.0%
- Overload- 1.3%
- Planned Work- 0.6%
- Trees- 5.7%
- Utility Equipment- 86.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	80.49
10.) 2021 SAIDI	217.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.64
12.) 2021 SAIFI	1.50

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)** 12.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,372
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 18.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.6%
- Overload- 0.0%
- Planned Work- 5.1%
- Trees- 38.1%
- Utility Equipment- 32.4%
- Vehicle- 2.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.64

10.) **2021 SAIDI** 28.56

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

12.) **2021 SAIFI** 0.25

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

Trees Trimmed in 2021

- 1.) SUBSTATION NAME AND NUMBER WATTERSON
- 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) CIRCUIT NAME AND NUMBER WT1155
- 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Louisville - Hurstbourne Pky, Watterson Trl, & Glaser Ln - S of Substation
- 5.) TOTAL CIRCUIT LENGTH (MILES) 7.8
- 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,792
- 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/04/2021

8.) 2021 OUTAGES BY CAUSE

- Animal- 9.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 40.2%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 2.7%
- Utility Equipment- 31.3%
- Vehicle- 14.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 65.11

10.) 2021 SAIDI 54.39

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.56

12.) 2021 SAIFI 1.04

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** WT1209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Laverne Dr, Watterson Trl, & Dell Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,522
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/18/2021

8.) **2021 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.5%
- Overload- 0.0%
- Planned Work- 11.0%
- Trees- 25.1%
- Utility Equipment- 49.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.31

10.) **2021 SAIDI** 34.41

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

12.) **2021 SAIFI** 0.26

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

Trees Trimmed in 2021

- 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)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,962
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/08/2022

8.) **2021 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 0.3%
- Overload- 0.1%
- Planned Work- 0.3%
- Trees- 80.4%
- Utility Equipment- 4.6%
- Vehicle- 11.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	52.42
10.) 2021 SAIDI	63.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.85
12.) 2021 SAIFI	0.64

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

Trees Trimmed in 2022

KENTUCKY PUBLIC SERVICE COMMISSION

ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

The Companies' Vegetation Management Plan was submitted December 19, 2007. The Distribution Vegetation Management Program encompasses right of way maintenance for Louisville Gas and Electric Company and Kentucky Utilities Company (referred to as the "Companies"). The program is centralized and managed by a Forestry Manager and eight company Utility Arborists. All are certified arborists by the International Society of Arboriculture.

The Companies' plan is to maintain a proactive trim cycle while balancing the reactive needs of worst performing circuits. The Companies' goal is to maintain an average trim cycle of five years or less. The effectiveness of the plan is evaluated by the cycle and system performance as measured by system SAIDI, SAIFI, and CAIDI.

Effectiveness of the program

KU/LG&E Tree Cycle – 4.94 years

LGE Tree SAIDI – 19.38 minutes

LGE Tree SAIFI – 0.111

LGE Tree CAIDI – 175.2 minutes

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

Adjustments made to the tree plan in 2021 included

No changes made to plan.

Changes to be implemented in 2022

No changes made to plan. Continue targeted hazard tree and mid-cycle trim work.

SECTION 7: UTILITY COMMENTS

SAIDI and SAIFI improved in 2021 compared to the previous 5 year average including and excluding major events. 245 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2021.