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APR 30 2020

PUBLIC SERVICE
COMMISSION



Kent A. Chandler, Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601

**Louisville Gas and Electric
Company**
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
www.lge-ku.com

April 30, 2020

Rick E. Lovekamp
Manager - Regulatory
Strategy/Policy
T 502-627-3780
rick.lovekamp@lge-ku.com

**RE: An Investigation of the Reliability Measures of Kentucky's
Jurisdictional Electric Distribution Utilities
Administrative Case No. 2011-00450**

Dear Mr. Chandler:

Enclosed please find Louisville Gas and Electric Company's ("LG&E") 2019 Annual Reliability Report pursuant to the Commission's Order dated April 1, 2014 in the above referenced matter. Also enclosed is a CD which includes the 2019 Annual Reliability Report for LG&E in Excel format.

In accordance with the Commission's March 16, 2020 Order in Case No. 2020-00085, the original of this filing in paper medium will be delivered to the Commission within 30 days of the lifting of the state of emergency.

Should you have any questions concerning the enclosed, please contact me at your convenience.

Sincerely,

A handwritten signature in blue ink that reads 'Rick E. Lovekamp'. The signature is written in a cursive, flowing style.

Rick E. Lovekamp

KENTUCKY PUBLIC SERVICE COMMISSION
ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 1: CONTACT INFORMATION

UTILITY NAME	LOUISVILLE GAS AND ELECTRIC
REPORT PREPARED BY	Denise Simon (Dir. Dist Reliability, Analytics, & Admin)
E-MAIL ADDRESS OF PREPARER	denise.simon@lge-ku.com
PHONE NUMBER OF PREPARER	(502) 627-3035

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2019
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SECTION 3: MAJOR EVENT DAYS (MED)

	3.249
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2014
LAST DATE USED TO DETERMINE T_{MED}	12/31/2018
NUMBER OF MED IN REPORTING YEAR	5

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>420,963</u>	TOTAL CIRCUITS <u>619</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>75.63</u>	SAIDI	<u>84.70</u>
SAIFI	<u>0.875</u>	SAIFI	<u>1.153</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>189.21</u>	SAIDI	<u>151.32</u>
SAIFI	<u>1.114</u>	SAIFI	<u>1.406</u>

Notes:

- 1) All duration indices (SAIDI) are to be reported in units of minutes.
 - 2) Reports are due on the first business day of May of each year
 - 3) Reports cover the calendar year ending in the December before the reports are due.
 - 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, and T_{MED}
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SECTION 5: CIRCUIT REPORTING

BEGIN ON NEXT PAGE

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1203
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ashby Ln & Bethany Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,211
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/19/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 15.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 45.4%
- Overload- 0.0%
- Planned Work- 19.8%
- Trees- 18.9%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.63

10.) **2019 SAIDI** 37.24

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

12.) **2019 SAIFI** 1.23

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.9%
- Other/Unknown- 26.3%
- Overload- 0.0%
- Planned Work- 17.9%
- Trees- 18.0%
- Utility Equipment- 7.0%
- Vehicle- 25.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 111.77

10.) **2019 SAIDI** 62.48

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

12.) **2019 SAIFI** 1.70

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Valley Station Rd & Dodge Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,116
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/23/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 8.0%
- Construction- 0.6%
- Lightning- 0.4%
- Non-Company- 0.1%
- Other/Unknown- 8.0%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 41.5%
- Utility Equipment- 23.0%
- Vehicle- 11.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.30

10.) **2019 SAIDI** 139.27

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

12.) **2019 SAIFI** 2.48

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,371
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 13.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.0%
- Overload- 0.0%
- Planned Work- 8.4%
- Trees- 27.5%
- Utility Equipment- 6.1%
- Vehicle- 19.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.54

10.) **2019 SAIDI** 130.29

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

12.) **2019 SAIFI** 0.95

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Shelbyville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 490
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 16.2%
- Trees- 2.5%
- Utility Equipment- 80.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.19

10.) **2019 SAIDI** 59.90

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

12.) **2019 SAIFI** 0.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1296
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - ShelbyvilleRd & N Beckley Station - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,581
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 73.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.4%
- Utility Equipment- 18.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.81

10.) **2019 SAIDI** 13.99

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

12.) **2019 SAIFI** 0.13

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** AL1372
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Shipp Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,959
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2019 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)	7.56
10.) 2019 SAIDI	37.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2019 SAIFI	1.00

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)** 7.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 929
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 99.7%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.99

10.) **2019 SAIDI** 84.25

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

12.) **2019 SAIFI** 1.00

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** AL1443
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 13th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 511
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 46.7%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 53.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.04

10.) **2019 SAIDI** 34.01

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

12.) **2019 SAIFI** 1.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1444
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 15th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 26
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 51.7%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 0.0%
- Utility Equipment- 47.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 229.82

10.) **2019 SAIDI** 627.81

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.73

12.) **2019 SAIFI** 4.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBOTTOM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** AS1416
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 55
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 62.0%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 0.0%
- Utility Equipment- 36.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 153.09

10.) **2019 SAIDI** 537.19

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.83

12.) **2019 SAIFI** 6.79

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBOTTOM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8113 Grade Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AS1417
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 26
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015

8.) **2019 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)** 106.56

10.) **2019 SAIDI** 266.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.33

12.) **2019 SAIFI** 2.35

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** BI1219
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pinewood Rd & Produce Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 956
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 55.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 7.8%
- Trees- 7.0%
- Utility Equipment- 28.8%
- Vehicle- 0.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.72

10.) **2019 SAIDI**

42.20

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

0.59

12.) **2019 SAIFI**

0.40

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** 1,102

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2019 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 4.9%

Lightning- 4.0%

Non-Company- 4.8%

Other/Unknown- 25.0%

Overload- 0.0%

Planned Work- 7.3%

Trees- 34.4%

Utility Equipment- 8.0%

Vehicle- 11.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.10

10.) **2019 SAIDI** 56.12

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

12.) **2019 SAIFI** 1.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1221
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Robards Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 62
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 6.9%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 93.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5.45
10.) 2019 SAIDI	17.80
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07
12.) 2019 SAIFI	0.24

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)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 65
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.5%
- Overload- 0.0%
- Planned Work- 10.1%
- Trees- 38.4%
- Utility Equipment- 6.2%
- Vehicle- 21.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.75

10.) **2019 SAIDI** 25.02

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

12.) **2019 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BROOK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 913 S 1st Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BK0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 1st St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 157
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2010

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.7%
- Planned Work- 61.9%
- Trees- 0.0%
- Utility Equipment- 34.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.05
10.) 2019 SAIDI	148.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	0.69

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1179
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,114
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.9%
- Construction- 0.0%
- Lightning- 6.1%
- Non-Company- 0.0%
- Other/Unknown- 57.3%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 1.7%
- Utility Equipment- 25.8%
- Vehicle- 2.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.19

10.) **2019 SAIDI** 126.69

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

12.) **2019 SAIFI** 2.93

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** 543
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/04/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.7%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.3%
- Other/Unknown- 7.9%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 10.5%
- Utility Equipment- 72.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	76.60
10.) 2019 SAIDI	97.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.12
12.) 2019 SAIFI	2.72

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)** 23.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,051
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.5%
- Construction- 0.2%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 10.9%
- Overload- 0.0%
- Planned Work- 46.2%
- Trees- 15.3%
- Utility Equipment- 20.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.54

10.) **2019 SAIDI** 163.53

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.69

12.) **2019 SAIFI** 2.97

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1185
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,826
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.8%
- Overload- 0.0%
- Planned Work- 11.7%
- Trees- 50.2%
- Utility Equipment- 23.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.40

10.) **2019 SAIDI** 135.44

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

12.) **2019 SAIFI** 0.86

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

Tree Trim Scheduled for 2020

- 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** 1,678
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 13.1%
- Non-Company- 0.0%
- Other/Unknown- 16.6%
- Overload- 0.0%
- Planned Work- 5.7%
- Trees- 62.8%
- Utility Equipment- 1.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 116.04

10.) **2019 SAIDI** 123.46

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

12.) **2019 SAIFI** 0.36

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

Tree Trim Scheduled for 2020

- 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 - Breckenridge Ln & Shelbyville Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 288
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.3%
- Overload- 0.0%
- Planned Work- 18.8%
- Trees- 0.0%
- Utility Equipment- 66.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.96

10.) **2019 SAIDI** 66.47

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

12.) **2019 SAIFI** 2.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1354
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 30
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2008

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 40.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 55.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	164.95
10.) 2019 SAIDI	396.93
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.08
12.) 2019 SAIFI	3.03

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** BR1356
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Sherburn Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 137
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 28.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 57.9%
- Overload- 0.0%
- Planned Work- 14.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.84

10.) **2019 SAIDI**

263.09

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

12.) **2019 SAIFI**

2.16

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** BY1276
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Commonwealth Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 163
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/27/2017

8.) **2019 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- 79.3%
- Trees- 0.0%
- Utility Equipment- 20.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.14

10.) **2019 SAIDI** 18.28

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

12.) **2019 SAIFI** 0.07

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** BY1279
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Watterson Way - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 861
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/23/2017

8.) **2019 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- 84.9%
- Trees- 0.1%
- Utility Equipment- 10.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.16

10.) **2019 SAIDI** 61.68

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

12.) **2019 SAIFI** 0.26

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** 316
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.4%
- Non-Company- 0.0%
- Other/Unknown- 46.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 50.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.74

10.) **2019 SAIDI** 125.26

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

12.) **2019 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1304
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave & S 20th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,360
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 67.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 32.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 99.55

10.) **2019 SAIDI** 121.17

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.23

12.) **2019 SAIFI** 5.95

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1306
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,260
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 25.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.0%
- Utility Equipment- 74.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	54.47
10.) 2019 SAIDI	204.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.67
12.) 2019 SAIFI	5.71

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** 88
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 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- 2.2%
- Trees- 1.6%
- Utility Equipment- 0.7%
- Vehicle- 95.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	14.88
10.) 2019 SAIDI	74.11
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) 2019 SAIFI	1.01

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1342
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,041
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 60.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 39.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	184.06
10.) 2019 SAIDI	227.66
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.64
12.) 2019 SAIFI	0.35

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** CA1345
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Broadway - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 985
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.28

10.) **2019 SAIDI**

23.77

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

12.) **2019 SAIFI**

1.33

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)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,074
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 7.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 22.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 69.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.83

10.) **2019 SAIDI** 6.84

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

12.) **2019 SAIFI** 3.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTERFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 4210 Hwy 393 - Centerfield
- 3.) **CIRCUIT NAME AND NUMBER** CF1202
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - W HWY 22 & Payton Way - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 57.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 987
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 0.0%
- Other/Unknown- 20.7%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 64.6%
- Utility Equipment- 10.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 173.33

10.) **2019 SAIDI** 320.39

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.86

12.) **2019 SAIFI** 2.89

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CENTERFIELD
2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 4210 Hwy 393 - Centerfield
3.) **CIRCUIT NAME AND NUMBER** CF1203
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - S Camedn Ln - S of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 61.5
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,165
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2016

8.) **2019 OUTAGES BY CAUSE**

Animal- 0.8%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 0.8%
Overload- 0.0%
Planned Work- 3.9%
Trees- 91.9%
Utility Equipment- 2.6%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.77

10.) **2019 SAIDI**

253.82

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

12.) **2019 SAIFI**

2.90

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

Tree Trim Scheduled for 2020

- 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)** 64.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,605
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.1%
- Other/Unknown- 19.7%
- Overload- 4.2%
- Planned Work- 0.8%
- Trees- 27.4%
- Utility Equipment- 47.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	183.22
10.) 2019 SAIDI	136.55
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.10
12.) 2019 SAIFI	2.12

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

Tree Trim Scheduled for 2020

- 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** 143
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/11/2016

8.) **2019 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- 79.9%
- Trees- 20.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.20
10.) 2019 SAIDI	33.55
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.08
12.) 2019 SAIFI	0.15

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)** 12.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,437
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 1.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 78.0%
- Overload- 0.0%
- Planned Work- 3.7%
- Trees- 0.0%
- Utility Equipment- 16.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.95

10.) **2019 SAIDI** 127.88

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

12.) **2019 SAIFI** 1.88

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1402
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave & Zorn Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2010

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 40.6%
- Trees- 0.0%
- Utility Equipment- 51.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	59.06
10.) 2019 SAIDI	223.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) 2019 SAIFI	1.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1403
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Payne St, Spring St, & Story Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2010

8.) **2019 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)** 22.58

10.) **2019 SAIDI** 41.14

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

12.) **2019 SAIFI** 1.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1405
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave, River Rd, & River Green Cir - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 78
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2010

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 27.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 66.0%
- Utility Equipment- 0.0%
- Vehicle- 6.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.47

10.) **2019 SAIDI** 50.16

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

12.) **2019 SAIFI** 0.53

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** 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)** 12/12/2010

8.) **2019 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)** 37.83

10.) **2019 SAIDI** 56.55

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

12.) **2019 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** 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** 1,056
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 11.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 49.9%
- Trees- 29.3%
- Utility Equipment- 9.2%
- Vehicle- 0.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.84

10.) **2019 SAIDI** 21.12

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

12.) **2019 SAIFI** 0.38

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

Tree Trim Scheduled for 2020

- 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** 339
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 4.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.8%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 0.0%
- Utility Equipment- 4.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.56

10.) **2019 SAIDI** 8.82

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

12.) **2019 SAIFI** 0.14

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)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 258
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 96.6%
- Trees- 0.0%
- Utility Equipment- 3.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.01

10.) **2019 SAIDI** 53.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16

12.) **2019 SAIFI** 0.56

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)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 361
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 7.2%
- Trees- 0.0%
- Utility Equipment- 92.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	52.17
10.) 2019 SAIDI	80.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2019 SAIFI	1.16

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** CW1226
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - Floydsburg Rd, Hawley Gibson Rd, & Ash Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 574
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/20/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 31.3%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 63.5%
- Utility Equipment- 0.9%
- Vehicle- 0.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 114.33

10.) **2019 SAIDI** 98.38

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

12.) **2019 SAIFI** 1.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRESTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - HWY 22, Carriage Hill Dr, & Mary Clayton Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 952
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.1%
- Lightning- 9.4%
- Non-Company- 0.0%
- Other/Unknown- 86.4%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 1.2%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	67.25
10.) 2019 SAIDI	94.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) 2019 SAIFI	0.53

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** 746
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 10.2%
- Non-Company- 0.0%
- Other/Unknown- 11.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 63.3%
- Utility Equipment- 14.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.74

10.) **2019 SAIDI** 40.30

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

12.) **2019 SAIFI** 1.28

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** 13
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2019 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)** 19.15

10.) **2019 SAIDI** 18.11

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

12.) **2019 SAIFI** 0.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAHLIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1237
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Landor Ave, & Wood Creek Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 941
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) 2019 OUTAGES BY CAUSE

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.1%
- Overload- 0.0%
- Planned Work- 21.2%
- Trees- 12.0%
- Utility Equipment- 36.5%
- Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	92.87
10.)	2019 SAIDI	278.69
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.65
12.)	2019 SAIFI	1.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAHLIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1239
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gardiner Ln, I 265 E, & Newburg Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,411
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2018

- 8.) **2019 OUTAGES BY CAUSE**
 - Animal- 4.0%
 - Construction- 1.5%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 38.9%
 - Overload- 0.3%
 - Planned Work- 4.8%
 - Trees- 45.3%
 - Utility Equipment- 5.1%
 - Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.51

10.) **2019 SAIDI** 120.24

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

12.) **2019 SAIFI** 0.74

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

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	DAHLIA
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 2135 Dahlia Ave. - Louisville
3.)	CIRCUIT NAME AND NUMBER	DA1242
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Bardstown Rd, Doup Ave, Taylorsville Rd, & Millvale Rd - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	10.8
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,278
7.)	DATE OF LAST CIRCUIT TRIM (VM)	06/30/2015

- 8.) **2019 OUTAGES BY CAUSE**
- Animal- 3.8%
 - Construction- 2.7%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 7.6%
 - Overload- 0.0%
 - Planned Work- 8.5%
 - Trees- 49.5%
 - Utility Equipment- 27.9%
 - Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	126.42
10.)	2019 SAIDI	136.27
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.36
12.)	2019 SAIFI	1.05
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Reliability Improvements Scheduled for 2020

- 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** 1,996
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2019 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)** 48.49

10.) **2019 SAIDI** 187.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.80

12.) **2019 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** DE1408
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Magazine St, S 28th St, W KY St, & Grand Ave - E & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 76
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2019 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)** 213.96

10.) **2019 SAIDI** 251.46

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.96

12.) **2019 SAIFI** 1.00

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)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,576
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 95.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.70

10.) **2019 SAIDI** 264.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.24

12.) **2019 SAIFI** 4.00

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

Tree Trim Scheduled for 2020

- 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** 114
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 5.3%
- Planned Work- 48.0%
- Trees- 0.0%
- Utility Equipment- 45.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.59

10.) **2019 SAIDI** 38.79

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

12.) **2019 SAIFI** 0.36

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** DU0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 15th St, Wilson Ave, & W Kentucky St - W & N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 349
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 75.4%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 2.8%
- Utility Equipment- 9.2%
- Vehicle- 11.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.31

10.) **2019 SAIDI** 368.33

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

12.) **2019 SAIFI** 1.77

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DIXIE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1706 Bernheim Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DX1220
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bernheim Ln, 7th Street Rd, & Taylor Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,012
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 11.4%
- Non-Company- 0.0%
- Other/Unknown- 13.1%
- Overload- 0.0%
- Planned Work- 3.5%
- Trees- 39.6%
- Utility Equipment- 30.8%
- Vehicle- 0.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.33

10.) **2019 SAIDI** 83.03

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

12.) **2019 SAIFI** 3.19

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** DX1221
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Ralph Ave, & Fitzgerald Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,529
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 39.2%
- Other/Unknown- 29.7%
- Overload- 0.0%
- Planned Work- 22.9%
- Trees- 0.1%
- Utility Equipment- 3.3%
- Vehicle- 3.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	61.96
10.) 2019 SAIDI	104.81
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.70
12.) 2019 SAIFI	1.29

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** 2,406
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.1%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 1.7%
- Utility Equipment- 33.2%
- Vehicle- 33.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 170.27

10.) **2019 SAIDI** 242.31

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.86

12.) **2019 SAIFI** 4.83

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

Reliability Improvements Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** DIXIE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1706 Bernheim Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DX1223
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, S 2nd St, & Hale Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,579
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/11/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 4.1%
- Overload- 0.1%
- Planned Work- 0.5%
- Trees- 82.4%
- Utility Equipment- 9.8%
- Vehicle- 0.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	97.78
10.) 2019 SAIDI	104.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.62
12.) 2019 SAIFI	2.35

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

Reliability Improvements Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** EIGHTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 841 S 8th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EI0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 8th St, York St, S 6th St, & S 5th St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 121
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 52.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 46.8%
- Trees- 0.0%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.71

10.) **2019 SAIDI** 56.76

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

12.) **2019 SAIFI** 0.21

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** 37
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 49.7%
- Overload- 0.0%
- Planned Work- 25.5%
- Trees- 24.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.67

10.) **2019 SAIDI** 16.15

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.04

12.) **2019 SAIFI** 0.10

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** ET1170
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Newburg Rd & Goldsmith Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,012
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2017

- 8.) **2019 OUTAGES BY CAUSE**
 - Animal- 7.7%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 13.1%
 - Overload- 0.0%
 - Planned Work- 0.3%
 - Trees- 51.3%
 - Utility Equipment- 26.7%
 - Vehicle- 1.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	77.52
10.) 2019 SAIDI	77.81
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.83
12.) 2019 SAIFI	0.76
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1171
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Newburg Rd, E Indian Trl, & Poplar Level Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,536
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2017

- 8.) **2019 OUTAGES BY CAUSE**
 - Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 1.8%
 - Other/Unknown- 13.1%
 - Overload- 0.0%
 - Planned Work- 6.7%
 - Trees- 65.9%
 - Utility Equipment- 12.5%
 - Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	35.30
10.) 2019 SAIDI	84.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.58
12.) 2019 SAIFI	0.39

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)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,691
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 7.0%
- Other/Unknown- 28.1%
- Overload- 0.0%
- Planned Work- 3.7%
- Trees- 11.9%
- Utility Equipment- 11.7%
- Vehicle- 36.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	76.46
10.) 2019 SAIDI	158.29
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.71
12.) 2019 SAIFI	1.20

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** EW1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gilliland Rd, Shelbyville Rd, & Long Run Rd - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 71.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,816
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/11/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 12.2%
- Construction- 0.1%
- Lightning- 71.9%
- Non-Company- 0.0%
- Other/Unknown- 5.4%
- Overload- 0.8%
- Planned Work- 0.4%
- Trees- 4.2%
- Utility Equipment- 4.4%
- Vehicle- 0.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.80

10.) **2019 SAIDI** 92.64

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

12.) **2019 SAIFI** 0.53

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 16000 Shelbyville Rd - Middletown
- 3.) **CIRCUIT NAME AND NUMBER** EW1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Liberty Ave, Johnson Rd, & Aiken Rd- N & NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 673
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/28/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.1%
- Overload- 8.8%
- Planned Work- 0.4%
- Trees- 77.0%
- Utility Equipment- 1.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.56

10.) **2019 SAIDI** 59.81

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

12.) **2019 SAIFI** 0.51

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 16000 Shelbyville Rd - Middletown
- 3.) **CIRCUIT NAME AND NUMBER** EW1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Eastwood Fisherville Rd & Shakes Creek Rd - SSE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 303
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/28/2016

8.) **2019 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)** 10.99

10.) **2019 SAIDI** 28.12

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

12.) **2019 SAIFI** 1.00

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)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 902
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 11.2%
- Trees- 43.3%
- Utility Equipment- 2.5%
- Vehicle- 40.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.58

10.) **2019 SAIDI** 163.37

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

12.) **2019 SAIFI** 1.43

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** 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** 2,469
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.7%
- Construction- 0.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 6.2%
- Trees- 17.7%
- Utility Equipment- 0.5%
- Vehicle- 68.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.71

10.) **2019 SAIDI** 142.11

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

12.) **2019 SAIFI** 1.32

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** 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** 1,017
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 74.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 4.7%
- Trees- 2.9%
- Utility Equipment- 11.6%
- Vehicle- 1.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.85

10.) **2019 SAIDI** 86.28

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

12.) **2019 SAIFI** 1.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1215
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Orchard Way, S Crums Ln, Dover Rd, & Burrell Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,669
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.1%
- Construction- 0.0%
- Lightning- 1.3%
- Non-Company- 0.2%
- Other/Unknown- 15.8%
- Overload- 0.0%
- Planned Work- 5.5%
- Trees- 62.0%
- Utility Equipment- 1.8%
- Vehicle- 11.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.77

10.) **2019 SAIDI** 71.46

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

12.) **2019 SAIFI** 1.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crums Ln, Hillview Ave, & Garrs Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,311
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.3%
- Construction- 2.2%
- Lightning- 5.2%
- Non-Company- 0.0%
- Other/Unknown- 29.6%
- Overload- 0.0%
- Planned Work- 6.7%
- Trees- 13.1%
- Utility Equipment- 38.5%
- Vehicle- 0.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.22

10.) **2019 SAIDI** 110.53

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.52

12.) **2019 SAIFI** 1.42

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** FC0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenwood Ave & Cecil Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 472
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.2%
- Utility Equipment- 94.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.29

10.) **2019 SAIDI** 166.92

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

12.) **2019 SAIFI** 1.02

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** 405
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.4%
- Overload- 0.0%
- Planned Work- 20.0%
- Trees- 75.4%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.24

10.) **2019 SAIDI** 162.70

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

12.) **2019 SAIFI** 0.68

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** 720
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.2%
- Lightning- 36.1%
- Non-Company- 0.0%
- Other/Unknown- 9.3%
- Overload- 0.0%
- Planned Work- 16.4%
- Trees- 37.0%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.15

10.) **2019 SAIDI** 61.83

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

12.) **2019 SAIFI** 1.40

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** 1,105
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 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)** 30.34

10.) **2019 SAIDI** 27.83

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

12.) **2019 SAIFI** 1.22

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** 137
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.97

10.) **2019 SAIDI** 12.34

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

12.) **2019 SAIFI** 1.07

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** 7
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 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)** 37.61

10.) **2019 SAIDI** 107.88

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

12.) **2019 SAIFI** 0.54

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)** 92.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,993
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/02/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.3%
- Construction- 2.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.2%
- Overload- 0.0%
- Planned Work- 16.6%
- Trees- 42.7%
- Utility Equipment- 11.6%
- Vehicle- 0.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.06

10.) **2019 SAIDI** 62.69

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

12.) **2019 SAIFI** 0.71

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)** 25.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 871
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/25/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 1.8%
- Non-Company- 0.0%
- Other/Unknown- 3.6%
- Overload- 0.0%
- Planned Work- 28.2%
- Trees- 50.0%
- Utility Equipment- 16.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.67

10.) **2019 SAIDI** 54.11

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

12.) **2019 SAIFI** 0.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FM1260
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Thixton Ln & Independence School Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,517
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/17/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.2%
- Construction- 0.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.6%
- Overload- 0.0%
- Planned Work- 39.3%
- Trees- 2.1%
- Utility Equipment- 29.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.73

10.) **2019 SAIDI** 24.65

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

12.) **2019 SAIFI** 1.45

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)** 33.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 805
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/17/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 8.7%
- Trees- 81.7%
- Utility Equipment- 7.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.41

10.) **2019 SAIDI** 30.61

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

12.) **2019 SAIFI** 0.10

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** 212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 99.7%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.81

10.) **2019 SAIDI** 20.46

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

12.) **2019 SAIFI** 0.17

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** 348
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2016

8.) **2019 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- 23.8%
- Trees- 8.9%
- Utility Equipment- 67.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.83

10.) **2019 SAIDI** 42.41

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

12.) **2019 SAIFI** 0.44

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)** 04/01/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.6%
- Trees- 0.0%
- Utility Equipment- 3.2%
- Vehicle- 94.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.00

10.) **2019 SAIDI** 121.57

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

12.) **2019 SAIFI** 1.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fern Valley Rd & Shepherdsville Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,552
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2019 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- 2.2%
- Utility Equipment- 10.8%
- Vehicle- 87.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.30

10.) **2019 SAIDI**

35.39

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

12.) **2019 SAIFI**

0.72

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1139
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Industrial Blvd, Grade Ln, & Knopp Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 208
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 6.1%
- Non-Company- 0.6%
- Other/Unknown- 16.9%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 0.0%
- Utility Equipment- 73.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.51

10.) **2019 SAIDI** 121.55

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

12.) **2019 SAIFI** 1.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1141
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hanes Dr, Poplar Level Rd, & Rangeland Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,416
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 31.5%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 24.8%
- Utility Equipment- 0.6%
- Vehicle- 40.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 114.54

10.) **2019 SAIDI** 138.27

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

12.) **2019 SAIFI** 1.03

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** FV1142
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mile of Sunshine Dr, Whispering Hills Blvd, & Yellow Sands Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,167
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 11.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 6.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 71.2%
- Utility Equipment- 6.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.02

10.) **2019 SAIDI** 21.87

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

12.) **2019 SAIFI** 0.76

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)** 18.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,501
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.1%
- Lightning- 0.4%
- Non-Company- 0.1%
- Other/Unknown- 61.9%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.0%
- Utility Equipment- 35.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.02

10.) **2019 SAIDI** 264.75

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.19

12.) **2019 SAIFI** 3.70

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln & Lotus Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2013

8.) **2019 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)** 37.10

10.) **2019 SAIDI** 185.52

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

12.) **2019 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1475
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old/Fern Valley Rd, & Industrial Blvd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2013

8.) **2019 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)** 88.54

10.) **2019 SAIDI** 153.69

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

12.) **2019 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1476
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Forest Dr, E Indian Trail, Poplar Level Rd, & Taylor Ave - NNW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 94
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 46.1%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 0.0%
- Utility Equipment- 32.6%
- Vehicle- 19.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 169.21

10.) **2019 SAIDI** 153.38

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.30

12.) **2019 SAIFI** 4.46

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1477
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy & Outer Loop - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 95.4%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 0.0%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.61

10.) **2019 SAIDI** 120.79

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

12.) **2019 SAIFI** 1.70

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** 698
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 37.3%
- Overload- 0.0%
- Planned Work- 9.2%
- Trees- 0.4%
- Utility Equipment- 11.6%
- Vehicle- 41.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.78

10.) **2019 SAIDI** 75.72

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

12.) **2019 SAIFI** 0.63

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** 559
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.6%
- Construction- 0.0%
- Lightning- 1.7%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 17.8%
- Trees- 69.2%
- Utility Equipment- 3.8%
- Vehicle- 1.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.42

10.) **2019 SAIDI** 43.59

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

12.) **2019 SAIFI** 0.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1038 S 34th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GD0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Louisville Coleman Jr Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 148
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2015

8.) **2019 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- 34.2%
- Utility Equipment- 0.0%
- Vehicle- 65.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.44

10.) **2019 SAIDI** 48.06

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

12.) **2019 SAIFI** 0.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1038 S 34th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GD0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenwood Ave & S 38th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 222
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 58.6%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 41.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.23

10.) **2019 SAIDI** 40.14

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

12.) **2019 SAIFI** 0.36

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** 633
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/04/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 22.3%
- Overload- 56.9%
- Planned Work- 3.2%
- Trees- 0.0%
- Utility Equipment- 17.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.89

10.) **2019 SAIDI** 101.20

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

12.) **2019 SAIFI** 1.21

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)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 169
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/04/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 54.4%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 42.1%
- Utility Equipment- 0.0%
- Vehicle- 1.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.81

10.) **2019 SAIDI** 88.25

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

12.) **2019 SAIFI** 1.28

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

Tree Trim Scheduled for 2020

- 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** 252
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2019 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)** 2.40

10.) **2019 SAIDI**

7.35

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05

12.) **2019 SAIFI**

0.18

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** GR1462
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bells Ln, Wilson Ave, & Millers Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,165
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 99.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 239.01

10.) **2019 SAIDI** 764.81

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.64

12.) **2019 SAIFI** 3.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1463
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stratton Ave, Louis Coleman Jr Dr, & Grand Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,675
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 97.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 3.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.02

10.) **2019 SAIDI** 9.06

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

12.) **2019 SAIFI** 1.04

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** 747
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2019 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)** 1.91

10.) **2019 SAIDI** 1.00

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

12.) **2019 SAIFI** 1.00

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** 550
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/18/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 74.6%
- Overload- 0.0%
- Planned Work- 22.3%
- Trees- 0.7%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.08

10.) **2019 SAIDI** 24.43

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

12.) **2019 SAIFI** 0.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1143
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky & Stone Creek Pky - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 988
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 4.4%
- Non-Company- 0.1%
- Other/Unknown- 72.0%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 0.3%
- Utility Equipment- 22.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.23

10.) **2019 SAIDI** 98.34

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

12.) **2019 SAIFI** 1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Hickory Rd, Waterson Trl, & Blankenbaker Access Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 279
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 7.1%
- Planned Work- 0.3%
- Trees- 81.2%
- Utility Equipment- 11.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.85

10.) **2019 SAIDI** 109.20

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

12.) **2019 SAIFI** 2.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1145
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gateway Dr, Taylorsville Rd, & Greene Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,871
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 31.1%
- Overload- 0.0%
- Planned Work- 3.7%
- Trees- 39.5%
- Utility Equipment- 18.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.30

10.) **2019 SAIDI** 101.87

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

12.) **2019 SAIFI** 1.61

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1146
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Plantside Dr, Carton Dr, & Bunsen Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 161
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 0.0%
- Utility Equipment- 99.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.23

10.) **2019 SAIDI** 78.01

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

12.) **2019 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1147
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I 64 W, Linn Station Rd, & Timberwood Cir - NNW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,306
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/06/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 35.3%
- Construction- 0.8%
- Lightning- 5.9%
- Non-Company- 0.0%
- Other/Unknown- 14.1%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 25.5%
- Utility Equipment- 16.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 125.31

10.) **2019 SAIDI** 159.11

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

12.) **2019 SAIFI** 3.38

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1150
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bunsen Way & Production Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 321
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 93.5%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 4.0%
- Trees- 0.0%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.03

10.) **2019 SAIDI** 30.23

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

12.) **2019 SAIFI** 0.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Birchwood Ave, & Brownsboro Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,538
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.5%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 46.0%
- Utility Equipment- 50.4%
- Vehicle- 0.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.83

10.) **2019 SAIDI** 50.93

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

12.) **2019 SAIFI** 0.42

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grinstead Dr, Lexington Rd, & Alta Vista Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 843
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 42.2%
- Utility Equipment- 48.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.29

10.) **2019 SAIDI** 67.71

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

12.) **2019 SAIFI** 0.25

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)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 55
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2009

8.) **2019 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)** 10.50

10.) **2019 SAIDI** 5.29

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

12.) **2019 SAIFI** 0.45

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** 288
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 2.8%
- Utility Equipment- 2.2%
- Vehicle- 93.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.17

10.) **2019 SAIDI** 236.64

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

12.) **2019 SAIFI** 1.14

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** 1,891
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/26/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 22.3%
- Trees- 41.8%
- Utility Equipment- 34.0%
- Vehicle- 1.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.35

10.) **2019 SAIDI** 141.91

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

12.) **2019 SAIFI** 1.43

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** HI1104
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fernwood Ave, Norris Pl, Dundee Rd, & Newburg Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,252
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2016

- 8.) **2019 OUTAGES BY CAUSE**
- Animal- 48.5%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 1.0%
 - Overload- 0.0%
 - Planned Work- 20.5%
 - Trees- 11.5%
 - Utility Equipment- 18.2%
 - Vehicle- 0.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.52
10.) 2019 SAIDI	76.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.12
12.) 2019 SAIFI	0.39
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stevens Ave, Baxter Ave, Barret Ave & Winter Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,666
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.7%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 4.8%
- Trees- 47.0%
- Utility Equipment- 12.1%
- Vehicle- 29.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	79.15
10.) 2019 SAIDI	138.44
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.91
12.) 2019 SAIFI	1.61

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

Tree Trim Scheduled for 2020

- 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** 347
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2008

8.) **2019 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- 26.1%
- Trees- 0.0%
- Utility Equipment- 28.5%
- Vehicle- 45.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.37

10.) **2019 SAIDI** 59.17

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

12.) **2019 SAIFI** 1.17

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** HI1475
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cherokee Pky, Bardstown Rd, & Richmond Dr - N & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 21
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2008

8.) **2019 OUTAGES BY CAUSE**

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

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

10.) **2019 SAIDI** 101.90

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

12.) **2019 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1234
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - HWY 42, Wolf Pen Branch Rd, & Barbour Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 52.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,989
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.8%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 37.5%
- Utility Equipment- 52.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 232.91

10.) **2019 SAIDI** 312.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.83

12.) **2019 SAIFI** 4.09

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1235
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 42, Marina Dr, & Seminary Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,417
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.1%
- Overload- 0.0%
- Planned Work- 24.6%
- Trees- 50.9%
- Utility Equipment- 20.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 196.59

10.) **2019 SAIDI** 153.69

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

12.) **2019 SAIFI** 1.93

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** 426
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2018

8.) **2019 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- 0.0%
- Trees- 3.0%
- Utility Equipment- 95.8%
- Vehicle- 0.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.05

10.) **2019 SAIDI** 119.28

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

12.) **2019 SAIFI** 0.31

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)** 11.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 588
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 97.0%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.15

10.) **2019 SAIDI** 8.71

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

12.) **2019 SAIFI** 0.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 42, Covered Bridge Rd, Rose Island Rd, & River Bluff Rd - NNE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 53.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,489
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 2.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 68.1%
- Utility Equipment- 28.5%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 159.31

10.) **2019 SAIDI** 420.56

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.78

12.) **2019 SAIFI** 3.46

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1156
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - US 42, Harmony Landing Rd, & Hwy 1793 - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 51.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,273
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 11.0%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 62.0%
- Utility Equipment- 22.7%
- Vehicle- 2.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.65

10.) **2019 SAIDI** 103.77

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

12.) **2019 SAIFI** 0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1157
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - Meadowridge Trl, Hwy 1793, & Rose Island Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,261
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 8.1%
- Overload- 0.0%
- Planned Work- 34.6%
- Trees- 48.5%
- Utility Equipment- 7.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 219.50

10.) **2019 SAIDI** 277.12

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.53

12.) **2019 SAIFI** 2.77

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HANCOCK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 630 E Caldwell St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HN1200
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelby St, E Broadway, Baxter Ave, & Cherokee Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,848
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 7.0%
- Non-Company- 0.0%
- Other/Unknown- 60.5%
- Overload- 1.2%
- Planned Work- 19.5%
- Trees- 6.0%
- Utility Equipment- 5.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.77

10.) **2019 SAIDI** 101.38

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

12.) **2019 SAIFI** 1.39

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** IN1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Logistics Dr, International Dr, & Riberport Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 41
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 0.0%
- Utility Equipment- 96.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.03

10.) **2019 SAIDI** 170.51

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

12.) **2019 SAIFI** 1.34

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11412 Taylorsville Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** JT1122

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chenoweth Run Rd, St Rene Rd, & Billtown Rd - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,461

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/30/2015

8.) **2019 OUTAGES BY CAUSE**

Animal- 10.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 42.8%

Overload- 0.0%

Planned Work- 6.6%

Trees- 0.0%

Utility Equipment- 40.4%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.45
10.) 2019 SAIDI	53.06
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) 2019 SAIFI	0.79

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11412 Taylorsville Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** JT1127

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd, Old Routt Rd, & Taylorsville Lake Rd - SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 374

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/22/2016

8.) **2019 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.2%

Lightning- 0.8%

Non-Company- 0.0%

Other/Unknown- 5.3%

Overload- 0.0%

Planned Work- 0.4%

Trees- 86.6%

Utility Equipment- 6.6%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	73.33
10.) 2019 SAIDI	144.17
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.53
12.) 2019 SAIFI	0.74

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

Tree Trim Scheduled for 2020

- 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** 1,425
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 23.4%
- Trees- 60.5%
- Utility Equipment- 7.9%
- Vehicle- 3.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.94

10.) **2019 SAIDI** 87.48

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

12.) **2019 SAIFI** 0.68

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** LG0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - E Oak St, Reutlinger Ave, & Ellison Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 356
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 41.4%
- Overload- 31.8%
- Planned Work- 5.8%
- Trees- 1.3%
- Utility Equipment- 17.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.08

10.) **2019 SAIDI** 130.56

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

12.) **2019 SAIFI** 2.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOCUST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1190
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hess Ln, Poplar Level Rd, & Sheridan Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,239
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2011

8.) **2019 OUTAGES BY CAUSE**

- Animal- 23.9%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 16.8%
- Overload- 0.0%
- Planned Work- 8.0%
- Trees- 43.3%
- Utility Equipment- 7.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 132.34

10.) **2019 SAIDI** 261.75

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.25

12.) **2019 SAIFI** 2.41

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** LO1192
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Crittenden Dr, & Boxley Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,272
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/07/2010

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.0%
- Construction- 16.6%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 56.5%
- Overload- 0.0%
- Planned Work- 6.6%
- Trees- 11.5%
- Utility Equipment- 3.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 126.15

10.) **2019 SAIDI** 74.22

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

12.) **2019 SAIFI** 1.40

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)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,273
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/07/2010

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.5%
- Construction- 0.1%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.2%
- Planned Work- 16.6%
- Trees- 5.2%
- Utility Equipment- 51.1%
- Vehicle- 18.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.33

10.) **2019 SAIDI** 167.79

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

12.) **2019 SAIFI** 2.93

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ln & LaGrange Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 804
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 38.2%
- Overload- 0.0%
- Planned Work- 10.1%
- Trees- 5.8%
- Utility Equipment- 41.6%
- Vehicle- 4.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.28
10.) 2019 SAIDI	79.57
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) 2019 SAIFI	1.01

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1245
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ln, Westport Rd, & Colonel Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,904
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/24/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 39.9%
- Overload- 0.0%
- Planned Work- 7.7%
- Trees- 20.7%
- Utility Equipment- 29.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.54

10.) **2019 SAIDI** 88.96

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

12.) **2019 SAIFI** 1.26

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1248
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Whipps Mill Rd, Ormsby Station Rd, & Shelbyville Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 533
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.7%
- Non-Company- 0.0%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 67.4%
- Trees- 6.5%
- Utility Equipment- 17.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 97.28

10.) **2019 SAIDI** 155.70

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

12.) **2019 SAIFI** 1.55

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)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 423
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 90.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 9.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.84

10.) **2019 SAIDI** 118.86

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

12.) **2019 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 31
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 94.9%
- Overload- 0.0%
- Planned Work- 5.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.54

10.) **2019 SAIDI** 23.20

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

12.) **2019 SAIFI** 0.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0454
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway & S 9th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 37.5%
- Trees- 0.0%
- Utility Equipment- 62.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.85

10.) **2019 SAIDI** 134.73

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

12.) **2019 SAIFI** 1.25

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** MG1326
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway, Dixie Hwy, & Dr W J Hodge St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 116
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 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)	35.91
10.) 2019 SAIDI	51.23
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) 2019 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG1327
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Magazine St, Dr W J Hodge St, & 28th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 13
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 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)** 0.76

10.) **2019 SAIDI**

2.27

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02

12.) **2019 SAIFI**

0.07

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** 51
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 22.5%
- Overload- 0.0%
- Planned Work- 46.2%
- Trees- 0.0%
- Utility Equipment- 31.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.58

10.) **2019 SAIDI** 114.29

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

12.) **2019 SAIFI** 4.94

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)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 130
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 96.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 81.91

10.) **2019 SAIDI** 122.55

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

12.) **2019 SAIFI** 1.96

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1281
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mud Ln, Brookley Dr, & Elda Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 373
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.0%
- Overload- 0.0%
- Planned Work- 28.4%
- Trees- 0.0%
- Utility Equipment- 46.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.04

10.) **2019 SAIDI** 56.92

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

12.) **2019 SAIFI** 0.66

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** ML1283
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Cooper Chapel Rd, & Charleswood Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,764
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.2%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 42.5%
- Utility Equipment- 24.4%
- Vehicle- 28.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.34

10.) **2019 SAIDI** 137.92

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

12.) **2019 SAIFI** 1.14

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)** 26.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,532
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 12.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 39.8%
- Other/Unknown- 8.8%
- Overload- 0.0%
- Planned Work- 4.0%
- Trees- 0.9%
- Utility Equipment- 33.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	19.36
10.) 2019 SAIDI	46.88
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.37
12.) 2019 SAIFI	1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1289
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Holgate Dr, 1st, 2nd, & 3rd St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 814
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 3.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.2%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 0.0%
- Utility Equipment- 71.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 97.44

10.) **2019 SAIDI** 141.17

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

12.) **2019 SAIFI** 1.96

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)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 545
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.6%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 83.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.07

10.) **2019 SAIDI** 38.42

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

12.) **2019 SAIFI** 1.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1265
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hunsinger Ln - NNE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,341
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/13/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.3%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 0.0%
- Utility Equipment- 96.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.16

10.) **2019 SAIDI** 42.70

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

12.) **2019 SAIFI** 0.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1268
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln, Manner Dale Dr, & Klondike Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,930
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 3.1%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 11.3%
- Overload- 0.0%
- Planned Work- 8.4%
- Trees- 65.2%
- Utility Equipment- 9.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.25

10.) **2019 SAIDI** 77.44

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

12.) **2019 SAIFI** 0.93

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** NA1271
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Nachand Ln, Watterson Trl, & Hurstbourne Pky - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,556
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/31/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.7%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 92.1%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.07

10.) **2019 SAIDI** 17.01

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

12.) **2019 SAIFI** 0.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Six Mile Ln, Raintree Dr, & Stony Brook dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,388
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 0.0%
- Utility Equipment- 82.2%
- Vehicle- 5.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.29

10.) **2019 SAIDI** 93.31

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

12.) **2019 SAIFI** 1.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OLD HENRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 13601 Terra View Trail - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OH1173
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Henry Rd and Factory Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 38.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,600
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/24/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 8.6%
- Utility Equipment- 86.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.40

10.) **2019 SAIDI** 189.07

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

12.) **2019 SAIFI** 2.13

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)** 19.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 863
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/17/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 38.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 12.8%
- Planned Work- 2.1%
- Trees- 0.0%
- Utility Equipment- 47.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.64

10.) **2019 SAIDI** 52.65

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

12.) **2019 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop, Shepherdsville Rd, & Applegate Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,659
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.3%
- Construction- 2.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 40.7%
- Utility Equipment- 8.8%
- Vehicle- 36.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.99

10.) **2019 SAIDI** 59.74

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

12.) **2019 SAIFI** 0.55

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, St. Rita Dr, & High School Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 788
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 0.0%
- Lightning- 4.5%
- Non-Company- 0.0%
- Other/Unknown- 21.9%
- Overload- 0.0%
- Planned Work- 25.0%
- Trees- 0.5%
- Utility Equipment- 44.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.19

10.) **2019 SAIDI** 118.98

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

12.) **2019 SAIFI** 2.39

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** 1,339
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 3.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.7%
- Overload- 0.0%
- Planned Work- 8.5%
- Trees- 51.3%
- Utility Equipment- 25.7%
- Vehicle- 1.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.04

10.) **2019 SAIDI** 76.89

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

12.) **2019 SAIFI** 0.52

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1275
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blue Lick Rd & Freedom Way - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,082
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 16.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 3.9%
- Trees- 0.0%
- Utility Equipment- 77.2%
- Vehicle- 1.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.58

10.) **2019 SAIDI** 47.98

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

12.) **2019 SAIFI** 1.27

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** 567
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/24/2010

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.2%
- Overload- 16.9%
- Planned Work- 37.6%
- Trees- 0.0%
- Utility Equipment- 1.7%
- Vehicle- 18.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.79

10.) **2019 SAIDI**

82.27

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

12.) **2019 SAIFI**

0.55

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ORMSBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 436 E Ormsby Jackson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OR0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - E Ormsby Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 115
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2010

8.) **2019 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)** 12.82

10.) **2019 SAIDI** 5.22

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

12.) **2019 SAIFI** 0.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Lyndon Rd, & Hurstbourne Club Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,968
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/18/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.6%
- Construction- 2.1%
- Lightning- 2.7%
- Non-Company- 0.0%
- Other/Unknown- 13.2%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 4.2%
- Utility Equipment- 69.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 105.51

10.) **2019 SAIDI** 50.34

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

12.) **2019 SAIFI** 1.99

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)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,313
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 18.0%
- Non-Company- 0.0%
- Other/Unknown- 12.7%
- Overload- 0.0%
- Planned Work- 7.0%
- Trees- 25.7%
- Utility Equipment- 35.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 139.80

10.) **2019 SAIDI** 124.28

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.79

12.) **2019 SAIFI** 2.35

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** 93
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2012

8.) **2019 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)** 88.61

10.) **2019 SAIDI** 443.07

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

12.) **2019 SAIFI** 1.02

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)** 1.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2012

8.) **2019 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- 62.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 157.88

10.) **2019 SAIDI** 789.38

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

12.) **2019 SAIFI** 2.00

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** PI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Main St, 15th St, Rowan St, & Portland Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 514
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 40.9%
- Other/Unknown- 29.3%
- Overload- 1.4%
- Planned Work- 17.9%
- Trees- 0.0%
- Utility Equipment- 9.9%
- Vehicle- 0.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 133.35

10.) **2019 SAIDI** 50.90

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

12.) **2019 SAIFI** 1.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1270
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - St. Andrews Church Rd & St. Anthonys Church Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,454
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/13/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.3%
- Lightning- 11.2%
- Non-Company- 0.0%
- Other/Unknown- 29.0%
- Overload- 5.8%
- Planned Work- 7.0%
- Trees- 33.5%
- Utility Equipment- 12.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.33

10.) **2019 SAIDI** 48.96

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

12.) **2019 SAIFI** 0.47

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** PL1271
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Pages Ln, & Maryman Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,069
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 4.3%
- Trees- 40.2%
- Utility Equipment- 53.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	84.91
10.) 2019 SAIDI	97.41
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.12
12.) 2019 SAIFI	1.30

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)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,674
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/06/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.0%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 24.1%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 46.1%
- Trees- 5.7%
- Utility Equipment- 18.5%
- Vehicle- 1.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.34

10.) **2019 SAIDI** 182.98

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

12.) **2019 SAIFI** 1.81

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Atlas Power Rd, Greenwood Rd & St. Pauls Church Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 85
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/06/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 13.7%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 0.0%
- Utility Equipment- 62.2%
- Vehicle- 20.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.20

10.) **2019 SAIDI** 173.30

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

12.) **2019 SAIFI** 1.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1274
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Lower Hunters Trace, & Flintlock Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,345
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/06/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 52.0%
- Overload- 0.0%
- Planned Work- 7.3%
- Trees- 0.0%
- Utility Equipment- 37.3%
- Vehicle- 1.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	66.56
10.) 2019 SAIDI	152.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.87
12.) 2019 SAIFI	1.47

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** PR1389
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - Campground Rd & Senn Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 6
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2019 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)** 105.16

10.) **2019 SAIDI** 185.29

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

12.) **2019 SAIFI** 0.33

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** 12
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2019 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)	24.82
10.) 2019 SAIDI	25.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46
12.) 2019 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1251
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dorsey Way & Cambridge Station Rd - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,405
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 27.4%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 60.4%
- Utility Equipment- 5.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.44

10.) **2019 SAIDI** 111.04

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

12.) **2019 SAIFI** 2.43

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** PV1253
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Hurstbourne Pky, & Whittington Pky - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 227
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 29.9%
- Overload- 0.0%
- Planned Work- 23.7%
- Trees- 0.0%
- Utility Equipment- 41.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.52

10.) **2019 SAIDI** 43.11

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

12.) **2019 SAIFI** 0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1254
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky & Whittington Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 811
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 14.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 71.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 14.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.80

10.) **2019 SAIDI** 27.21

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

12.) **2019 SAIFI** 1.12

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** SE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th St, oak St, & 8th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 324
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 27.0%
- Trees- 0.0%
- Utility Equipment- 66.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.97

10.) **2019 SAIDI** 20.19

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

12.) **2019 SAIFI** 0.31

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** 417
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.2%
- Overload- 0.0%
- Planned Work- 27.0%
- Trees- 34.4%
- Utility Equipment- 27.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.08

10.) **2019 SAIDI** 56.40

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

12.) **2019 SAIFI** 0.43

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** SH1282
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Berry Blvd, Powell Ave, Wheeler Ave & Southgate Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,998
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.0%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 34.0%
- Utility Equipment- 45.0%
- Vehicle- 4.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.26

10.) **2019 SAIDI** 159.88

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

12.) **2019 SAIFI** 2.63

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** 1,302
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.7%
- Construction- 0.0%
- Lightning- 68.7%
- Non-Company- 0.0%
- Other/Unknown- 22.5%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 0.0%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.15

10.) **2019 SAIDI** 158.48

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

12.) **2019 SAIFI** 1.55

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1459
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Bluegrass Ave, & Taylor Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 15
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 20.5%
- Non-Company- 0.0%
- Other/Unknown- 79.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.34

10.) **2019 SAIDI** 78.60

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

12.) **2019 SAIFI** 1.75

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)** 26.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 265
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/21/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 15.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 75.8%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 129.64

10.) **2019 SAIDI** 132.79

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

12.) **2019 SAIFI** 0.58

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** SM1231
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Phillips Ln, & Park Blvd - N & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 132
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 2.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 81.5%
- Trees- 0.0%
- Utility Equipment- 11.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.79

10.) **2019 SAIDI** 71.67

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

12.) **2019 SAIFI** 0.49

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1232
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Tug Rd, Crittenden Dr, Woodlawn Ave, & 1st St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,451
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.6%
- Overload- 0.0%
- Planned Work- 62.3%
- Trees- 0.1%
- Utility Equipment- 23.8%
- Vehicle- 2.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.40
10.) 2019 SAIDI	66.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2019 SAIFI	0.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1234
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Whitney Ave, Taylor Blvd, & Ashland Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,223
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.4%
- Planned Work- 19.3%
- Trees- 76.4%
- Utility Equipment- 1.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.07

10.) **2019 SAIDI** 91.79

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

12.) **2019 SAIFI** 0.73

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** SM1364
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Park Blvd, Farmington Ave, & Floyd St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 47
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013

8.) **2019 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- 75.4%
- Trees- 0.0%
- Utility Equipment- 24.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.71

10.) **2019 SAIDI** 31.32

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

12.) **2019 SAIFI** 1.15

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** SM1366
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Woodlawn Ave, Phillips Ln, & Preston Hwy - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 34
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 61.9%
- Vehicle- 12.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 128.30

10.) **2019 SAIDI** 268.14

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.94

12.) **2019 SAIFI** 4.49

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** SM1394
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Park Blvd & Floyd St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013

8.) **2019 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)** 40.47

10.) **2019 SAIDI** 49.44

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

12.) **2019 SAIFI** 0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1397
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Strawberry Ln, & Mclean Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 6.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 82.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 10.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 116.02

10.) **2019 SAIDI** 243.38

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.72

12.) **2019 SAIFI** 1.90

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** SN0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 39th St, River Park Dr, & Louis Coleman Jr Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 638
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 49.1%
- Overload- 0.2%
- Planned Work- 5.0%
- Trees- 18.6%
- Utility Equipment- 27.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.54

10.) **2019 SAIDI** 145.04

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

12.) **2019 SAIFI** 3.26

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** 502
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 21.4%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 75.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.88

10.) **2019 SAIDI** 41.05

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

12.) **2019 SAIFI** 3.07

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

Tree Trim Scheduled for 2020

- 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** 259
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2019 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.18

10.) **2019 SAIDI** 19.19

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

12.) **2019 SAIFI** 0.25

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** 606
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.4%
- Overload- 0.0%
- Planned Work- 12.4%
- Trees- 46.9%
- Utility Equipment- 21.4%
- Vehicle- 0.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.52

10.) **2019 SAIDI** 45.57

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

12.) **2019 SAIFI** 0.36

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

Tree Trim Scheduled for 2020

- 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** 172
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016

8.) **2019 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)	32.01
10.) 2019 SAIDI	50.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.53
12.) 2019 SAIFI	0.78

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 4th St & Hill St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 698
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.2%
- Overload- 0.0%
- Planned Work- 78.7%
- Trees- 0.0%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

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

10.) **2019 SAIDI** 34.94

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

12.) **2019 SAIFI** 0.38

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** 499
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.6%
- Overload- 12.2%
- Planned Work- 47.0%
- Trees- 14.1%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.22

10.) **2019 SAIDI** 158.43

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

12.) **2019 SAIFI** 1.72

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** SO0422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 2nd St & 3rd St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 768
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 69.4%
- Trees- 3.5%
- Utility Equipment- 27.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.44

10.) **2019 SAIDI** 88.30

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

12.) **2019 SAIFI** 0.53

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** SO0451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St & Lee St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 535
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 28.8%
- Overload- 0.0%
- Planned Work- 15.6%
- Trees- 0.0%
- Utility Equipment- 55.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.84

10.) **2019 SAIDI** 168.03

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

12.) **2019 SAIFI** 0.76

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** 623
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.8%
- Overload- 0.0%
- Planned Work- 16.7%
- Trees- 3.6%
- Utility Equipment- 73.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.69

10.) **2019 SAIDI** 50.52

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

12.) **2019 SAIFI** 0.30

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** 522
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 21.7%
- Overload- 0.0%
- Planned Work- 38.1%
- Trees- 2.0%
- Utility Equipment- 0.1%
- Vehicle- 37.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 156.85

10.) **2019 SAIDI** 305.11

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

12.) **2019 SAIFI** 1.96

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHEPHERDSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bullitt - 1706 4th St. - Shepardsville
- 3.) **CIRCUIT NAME AND NUMBER** SV1122
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - HWY 44, Preston Hwy, & Old Preston Hwy - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 928
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/04/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 7.3%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 12.2%
- Overload- 0.0%
- Planned Work- 22.0%
- Trees- 1.5%
- Utility Equipment- 7.9%
- Vehicle- 44.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 122.57

10.) **2019 SAIDI** 271.43

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

12.) **2019 SAIFI** 2.05

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** 1,830
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.2%
- Construction- 2.4%
- Lightning- 0.0%
- Non-Company- 3.0%
- Other/Unknown- 6.5%
- Overload- 0.0%
- Planned Work- 24.3%
- Trees- 31.7%
- Utility Equipment- 5.6%
- Vehicle- 19.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.03

10.) **2019 SAIDI** 50.11

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

12.) **2019 SAIFI** 0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1252
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cooper Chapel Rd, McNeely Lake Dr, & Beulah Church Rd - SW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,334
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/19/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 36.5%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 23.7%
- Utility Equipment- 26.5%
- Vehicle- 9.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.34
10.) 2019 SAIDI	49.20
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2019 SAIFI	0.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1106
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blankenbaker Ln, Riviera Dr, & Woodside Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,208
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 21.6%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 13.6%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 55.3%
- Utility Equipment- 2.6%
- Vehicle- 0.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 215.86

10.) **2019 SAIDI** 229.29

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.45

12.) **2019 SAIFI** 2.29

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

Tree Trim Scheduled for 2020

- 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)** 32.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,153
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/17/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 11.5%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 81.7%
- Utility Equipment- 4.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 143.48

10.) **2019 SAIDI** 137.83

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

12.) **2019 SAIFI** 1.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Winding Bluff Trce, I264, & Blankenbaker Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,129
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/22/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.8%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 72.6%
- Utility Equipment- 13.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 140.42

10.) **2019 SAIDI** 165.42

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

12.) **2019 SAIFI** 0.72

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** TA1172
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chenoweth Ln, Cherrywood Rd, & Washington Sq - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,115
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.3%
- Overload- 0.0%
- Planned Work- 7.0%
- Trees- 83.7%
- Utility Equipment- 4.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.17

10.) **2019 SAIDI** 299.20

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

12.) **2019 SAIFI** 1.41

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** TA1173
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hubbards Ln, Rudy Ln, Massie Ave, & Westport Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,955
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/11/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.3%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 4.3%
- Trees- 69.9%
- Utility Equipment- 19.2%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 103.03

10.) **2019 SAIDI** 92.88

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

12.) **2019 SAIFI** 1.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1244
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Terry Rd, Johnstontown Rd, & Dixie Hwy - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,672
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.5%
- Other/Unknown- 7.3%
- Overload- 0.0%
- Planned Work- 7.1%
- Trees- 80.8%
- Utility Equipment- 4.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.30

10.) **2019 SAIDI** 42.67

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

12.) **2019 SAIFI** 0.37

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1245
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pages Ln, Poinsettia Dr, Greenwood Rd, & Feyhurst Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,312
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 18.7%
- Construction- 0.0%
- Lightning- 3.1%
- Non-Company- 0.0%
- Other/Unknown- 7.4%
- Overload- 0.0%
- Planned Work- 4.3%
- Trees- 64.5%
- Utility Equipment- 2.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.32

10.) **2019 SAIDI** 25.45

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

12.) **2019 SAIFI** 0.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 25
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 27.3%
- Overload- 72.7%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.19

10.) **2019 SAIDI** 1.25

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

12.) **2019 SAIFI** 0.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1247
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 361
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.2%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 8.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.59

10.) **2019 SAIDI** 5.72

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

12.) **2019 SAIFI** 1.01

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Tip Top
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - US 60 - Tip Top
- 3.) **CIRCUIT NAME AND NUMBER** TT3313
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - US 60, Baker Rd, & Eisenhower Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/29/2014

8.) **2019 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)** 40.59

10.) **2019 SAIDI** 202.97

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

12.) **2019 SAIFI** 3.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Tip Top
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - US 60 - Tip Top
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 11/29/2014

8.) **2019 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 2.45

10.) **2019 SAIDI** 12.25

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

12.) **2019 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Tip Top
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - US 60 - Tip Top
- 3.) **CIRCUIT NAME AND NUMBER** TT3316
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - Chaffee Ave, Bullion Blvd, & Black Horse Regiment Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/29/2014

8.) **2019 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)** 30.42

10.) **2019 SAIDI** 152.09

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

12.) **2019 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERMONT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 529 Southwestern Pkwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** VE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southwestern Pky - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 255
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 94.6%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.50
- 10.) **2019 SAIDI** 45.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45
- 12.) **2019 SAIFI** 0.58

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** VERMONT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 529 Southwestern Pkwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** VE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southwestern Pky & Broadway - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 253
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2016

8.) **2019 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- 41.5%
- Trees- 1.5%
- Utility Equipment- 54.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.74

10.) **2019 SAIDI** 95.68

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

12.) **2019 SAIFI** 1.18

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)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 763
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 16.0%
- Non-Company- 0.3%
- Other/Unknown- 37.8%
- Overload- 0.0%
- Planned Work- 11.3%
- Trees- 6.6%
- Utility Equipment- 20.8%
- Vehicle- 7.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.65

10.) **2019 SAIDI** 23.42

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

12.) **2019 SAIFI** 0.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Garland Ave, 26th St, & Dr W J Hodge St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 543
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 9.9%
- Trees- 0.2%
- Utility Equipment- 7.8%
- Vehicle- 79.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 114.62

10.) **2019 SAIDI** 134.50

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

12.) **2019 SAIFI** 1.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0005
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Magazine St, & 30th St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2016

8.) **2019 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)	2.33
10.) 2019 SAIDI	11.65
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.02
12.) 2019 SAIFI	0.11

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** WH1116
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Flat Rock Rd, Long Run Rd, & Aiken Rd - NW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,107
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/19/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.4%
- Other/Unknown- 83.7%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 5.2%
- Utility Equipment- 7.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.67

10.) **2019 SAIDI** 26.99

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

12.) **2019 SAIFI** 0.27

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)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 662
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/26/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 93.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.46

10.) **2019 SAIDI**

32.36

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

0.29

12.) **2019 SAIFI**

1.08

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** WO1183
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ballardsville Rd, Haunz Ln, & Hitt Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 36.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,660
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/31/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 67.4%
- Utility Equipment- 9.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 192.37

10.) **2019 SAIDI** 245.57

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.77

12.) **2019 SAIFI** 1.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEST POINT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - Crop St and I-C Railroad - West Point
- 3.) **CIRCUIT NAME AND NUMBER** WP1104
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** West Point - Main St, Dixie Hwy, 16th St, & Private Rd - W, SW & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 701
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 65.9%
- Overload- 0.0%
- Planned Work- 25.0%
- Trees- 7.5%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 158.45

10.) **2019 SAIDI** 139.98

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

12.) **2019 SAIFI** 2.15

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)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 53
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 15.8%
- Trees- 0.0%
- Utility Equipment- 84.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.48
10.) 2019 SAIDI	63.77
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.56
12.) 2019 SAIFI	1.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1153
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Watterson Trl, & Woodhaven Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,092
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/26/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 12.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.3%
- Overload- 0.0%
- Planned Work- 42.4%
- Trees- 25.8%
- Utility Equipment- 15.9%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.02

10.) **2019 SAIDI** 107.19

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

12.) **2019 SAIFI** 1.10

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** WT1154
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Walt Lee Rd, Fairground Rd, Billtown Rd, & Easum Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 42.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,738
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 1.6%
- Other/Unknown- 3.4%
- Overload- 0.0%
- Planned Work- 18.8%
- Trees- 23.4%
- Utility Equipment- 22.5%
- Vehicle- 29.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.85

10.) **2019 SAIDI** 41.77

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

12.) **2019 SAIFI** 0.35

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** WT1155
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky, Watterson Trl, & Glaser Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,730
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/26/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 6.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 62.7%
- Overload- 0.0%
- Planned Work- 6.1%
- Trees- 4.7%
- Utility Equipment- 14.6%
- Vehicle- 5.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.86

10.) **2019 SAIDI** 92.80

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

12.) **2019 SAIFI** 0.61

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1210
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Hudson Ln, Fairground Rd & Janet Lee Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,968
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/17/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.1%
- Construction- 0.0%
- Lightning- 2.0%
- Non-Company- 0.0%
- Other/Unknown- 7.6%
- Overload- 4.6%
- Planned Work- 9.5%
- Trees- 1.5%
- Utility Equipment- 68.3%
- Vehicle- 3.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.37

10.) **2019 SAIDI** 117.46

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.69

12.) **2019 SAIFI** 1.72

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

Reliability Improvements Scheduled for 2020

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 – 4.93 years

LGE Tree SAIDI – 17.23 minutes

LGE Tree SAIFI – 0.143

LGE Tree CAIDI – 120.5 minutes

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

Adjustments made to the tree plan in 2019 included

No changes made to plan.

Changes to be implemented in 2020

No changes made to plan. Continue targeted hazard tree and mid-cycle trim work.

SECTION 7: UTILITY COMMENTS

SAIDI and CAIDI improved in 2019 compared to the previous 5 year average including major events. Electric reliability metrics in 2019 were on similar levels to the 5-year averages excluding Major Event Days. 251 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2019.