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PUBLIC SERVICE
COMMISSION

Linda C. Bridwell
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601-8294

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

May 3, 2021

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 Ms. Bridwell:

Enclosed please find Louisville Gas and Electric Company's ("LG&E") 2020 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 2020 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,

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	Steve Woodworth (Dir. System Ops & Planning)
E-MAIL ADDRESS OF PREPARER	steve.woodworth@lge-ku.com
PHONE NUMBER OF PREPARER	(502) 627-3828

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2020
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SECTION 3: MAJOR EVENT DAYS (MED)

	T_{MED}
FIRST DATE USED TO DETERMINE T_{MED}	3.344
LAST DATE USED TO DETERMINE T_{MED}	1/1/2015
NUMBER OF MED IN REPORTING YEAR	12/31/2019
	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>434,471</u>	TOTAL CIRCUITS <u>619</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>77.82</u>	SAIDI	<u>71.44</u>
SAIFI	<u>0.926</u>	SAIFI	<u>0.736</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>187.75</u>	SAIDI	<u>106.88</u>
SAIFI	<u>1.164</u>	SAIFI	<u>0.866</u>

Notes:

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

BEGIN ON NEXT PAGE

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1202
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greentree Ln & Dixie Hwy - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,863
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.9%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 24.2%
- Trees- 0.2%
- Utility Equipment- 14.3%
- Vehicle- 55.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.75

10.) **2020 SAIDI** 101.96

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

12.) **2020 SAIFI** 1.13

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** 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** 1,212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.8%
- Construction- 0.0%
- Lightning- 34.3%
- Non-Company- 0.0%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 21.0%
- Trees- 15.4%
- Utility Equipment- 17.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.80

10.) **2020 SAIDI** 78.31

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

12.) **2020 SAIFI** 1.38

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** 2,199
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 12.9%
- Overload- 0.0%
- Planned Work- 8.1%
- Trees- 12.8%
- Utility Equipment- 9.9%
- Vehicle- 52.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.35

10.) **2020 SAIDI** 114.24

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31

12.) **2020 SAIFI** 1.79

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - New English Station Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 143
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 98.4%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.51

10.) **2020 SAIDI** 127.85

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

12.) **2020 SAIFI** 2.01

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** 491
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 17.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 41.0%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 39.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.57
- 10.) **2020 SAIDI** 64.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.79
- 12.) **2020 SAIFI** 1.45

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

Trees Trimmed in 2020

- 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)** 35.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,588
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 22.7%
- Trees- 0.5%
- Utility Equipment- 76.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.67

10.) **2020 SAIDI** 139.80

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

12.) **2020 SAIFI** 0.47

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** AL1374
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 7th St & Algonquin Pky - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 450
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 9.5%
- Other/Unknown- 21.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 58.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.81

10.) **2020 SAIDI** 149.06

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

12.) **2020 SAIFI** 1.88

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1377
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Hill St & S 10th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2020 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)** 61.55

10.) **2020 SAIDI** 297.37

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

12.) **2020 SAIFI** 1.40

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** 53
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 96.6%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 212.53

10.) **2020 SAIDI** 375.84

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

12.) **2020 SAIFI** 1.06

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** AS1418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 54
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 5.8%
- Non-Company- 0.0%
- Other/Unknown- 86.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 7.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.96

10.) **2020 SAIDI** 99.62

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
3.) **CIRCUIT NAME AND NUMBER** BI1218
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bishop Ln - N of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 131
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017
8.) **2020 OUTAGES BY CAUSE**

Animal- 11.6%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 67.0%
Overload- 0.0%
Planned Work- 0.0%
Trees- 0.0%
Utility Equipment- 21.4%
Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.47
10.) **2020 SAIDI** 11.28
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
12.) **2020 SAIFI** 0.18

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

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1221
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Robards Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 64
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.2%
- Overload- 0.0%
- Planned Work- 70.3%
- Trees- 0.0%
- Utility Equipment- 18.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.43

10.) **2020 SAIDI** 59.89

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

12.) **2020 SAIFI** 0.23

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BROOK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 913 S 1st Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BK0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Brook St & S Floyd St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 181
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2020

8.) **2020 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)** 20.63

10.) **2020 SAIDI** 17.90

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

12.) **2020 SAIFI** 0.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1181
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Browns Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,062
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 6.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 27.0%
- Overload- 0.0%
- Planned Work- 8.7%
- Trees- 48.2%
- Utility Equipment- 8.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	103.32
10.) 2020 SAIDI	148.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.41
12.) 2020 SAIFI	1.75

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

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1182
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I - 264 East - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 226
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 100.0%
- 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)	38.98
10.) 2020 SAIDI	43.10
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.52
12.) 2020 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I - 264 East - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2020

8.) **2020 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)** 171.19

10.) **2020 SAIDI** 744.33

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

12.) **2020 SAIFI** 1.00

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** 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** 1,827
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 5.4%
- Construction- 2.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.7%
- Overload- 0.0%
- Planned Work- 7.5%
- Trees- 38.8%
- Utility Equipment- 20.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 121.12

10.) **2020 SAIDI** 207.11

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

12.) **2020 SAIFI** 2.02

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1351
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brekenridge Ln & Shelbyville Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 353
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 55.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 44.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.87

10.) **2020 SAIDI** 406.84

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

12.) **2020 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1352
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brekenridge Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 107
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.6%
- 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- 91.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.33

10.) **2020 SAIDI** 54.84

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

12.) **2020 SAIFI** 1.62

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** 868
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/23/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 10.0%
- Trees- 0.0%
- Utility Equipment- 88.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.61

10.) **2020 SAIDI** 70.27

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

12.) **2020 SAIFI** 0.53

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1283
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blankenbaker Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 432
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 2.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 37.1%
- Overload- 0.5%
- Planned Work- 40.4%
- Trees- 10.6%
- Utility Equipment- 8.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.75

10.) **2020 SAIDI** 20.95

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

12.) **2020 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Moser Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 516
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.6%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.08

10.) **2020 SAIDI** 39.14

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

12.) **2020 SAIFI** 2.05

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

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1341
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Market St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,049
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.0%
- Other/Unknown- 96.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.57

10.) **2020 SAIDI** 45.69

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.84

12.) **2020 SAIFI** 1.61

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** 1,100
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 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)** 10.73

10.) **2020 SAIDI** 14.21

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

12.) **2020 SAIFI** 0.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 2,196
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 30.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 69.5%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.23

10.) **2020 SAIDI** 102.00

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.39

12.) **2020 SAIFI** 2.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTERFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 4210 Hwy 393 - Centerfield
- 3.) **CIRCUIT NAME AND NUMBER** CF1201
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - Dawkins Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 52.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 532
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 2.1%
- Non-Company- 0.0%
- Other/Unknown- 9.8%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 47.1%
- Utility Equipment- 40.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 232.67

10.) **2020 SAIDI** 305.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.44

12.) **2020 SAIFI** 2.07

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** 995
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.1%
- Lightning- 3.1%
- Non-Company- 0.0%
- Other/Unknown- 62.8%
- Overload- 0.0%
- Planned Work- 4.4%
- Trees- 25.6%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	214.27
10.) 2020 SAIDI	230.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.19
12.) 2020 SAIFI	1.89
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMPGROUND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4300 Campground Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CG1437
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Campground Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2017

8.) **2020 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)** 18.56

10.) **2020 SAIDI** 52.80

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMPGROUND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4300 Campground Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CG1438
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Campground Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2017

8.) **2020 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)	73.71
10.) 2020 SAIDI	294.83
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25
12.) 2020 SAIFI	1.00

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

- 1.) **SUBSTATION NAME AND NUMBER** CLARKS LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 934 Clarks Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CK0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pindell Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 453
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 4.3%
- Lightning- 6.9%
- Non-Company- 0.0%
- Other/Unknown- 37.6%
- Overload- 0.0%
- Planned Work- 16.9%
- Trees- 5.3%
- Utility Equipment- 29.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.65

10.) **2020 SAIDI** 55.09

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

12.) **2020 SAIFI** 0.42

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLARKS LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 934 Clarks Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CK0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Eastern PKY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 222
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 11.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 57.2%
- Utility Equipment- 17.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	43.90
10.) 2020 SAIDI	48.04
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.36
12.) 2020 SAIFI	0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Clifton Ave, & Ewing Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 647
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/15/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 17.4%
- Trees- 77.9%
- Utility Equipment- 3.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.44

10.) **2020 SAIDI** 34.36

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42

12.) **2020 SAIFI** 1.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1230
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave, Shiloh Ave, & River Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,092
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 56.0%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 24.4%
- Utility Equipment- 3.9%
- Vehicle- 7.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.36

10.) **2020 SAIDI** 40.24

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

12.) **2020 SAIFI** 1.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1232
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Story Ave, & E Main St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,777
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 6.1%
- Other/Unknown- 51.0%
- Overload- 0.0%
- Planned Work- 10.9%
- Trees- 25.0%
- Utility Equipment- 5.8%
- Vehicle- 0.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.35

10.) **2020 SAIDI** 59.85

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

12.) **2020 SAIFI** 0.54

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** 82
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 6.6%
- Trees- 92.3%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.44

10.) **2020 SAIDI** 269.09

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

12.) **2020 SAIFI** 1.05

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)** 07/28/2018

8.) **2020 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)** 52.34

10.) **2020 SAIDI** 72.53

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

12.) **2020 SAIFI** 0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1197
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - La Grange Rd, Reamers Rd, & Chamberlain Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,110
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 9.1%
- Utility Equipment- 11.4%
- Vehicle- 50.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.30

10.) **2020 SAIDI** 33.87

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

12.) **2020 SAIFI** 0.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANE RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5252 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CR1422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - No Road - At Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2020 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)** 7.54

10.) **2020 SAIDI** 11.72

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

12.) **2020 SAIFI** 0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CT0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 22nd St & Griffiths Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 354
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.3%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 12.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 86.8%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	15.44
10.) 2020 SAIDI	41.35
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.12
12.) 2020 SAIFI	0.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CT0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave, 24th St, & Northwestern Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 276
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 96.4%
- Trees- 1.4%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.34

10.) **2020 SAIDI** 34.70

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

12.) **2020 SAIFI** 0.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CT0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave & N 20th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 44
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 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- 67.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 32.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.03

10.) **2020 SAIDI** 10.83

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

12.) **2020 SAIFI** 0.56

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** 958
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 46.9%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 51.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	61.20
10.) 2020 SAIDI	112.81
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.41
12.) 2020 SAIFI	0.62

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRESTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1228
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - HWY 329, I 71, Covered Bridge Rd, & Halls Hill Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 71.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,214
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.1%
- Planned Work- 2.5%
- Trees- 38.3%
- Utility Equipment- 53.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 204.44

10.) **2020 SAIDI** 523.14

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.81

12.) **2020 SAIFI** 3.16

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** 14
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 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)** 23.73

10.) **2020 SAIDI** 22.89

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

12.) **2020 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1484
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jackson St, Jacob St, Floyd St, & 1st St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 66
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.9%
- Overload- 0.0%
- Planned Work- 4.6%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.17

10.) **2020 SAIDI** 63.20

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

12.) **2020 SAIFI** 1.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1486
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Caldwell St, Logan St, Jackson St, Goss Ave, & Ash St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 257
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.29

10.) **2020 SAIDI** 82.24

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

12.) **2020 SAIFI** 1.83

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** 1,409
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.4%
- Construction- 4.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.8%
- Overload- 0.0%
- Planned Work- 7.9%
- Trees- 46.7%
- Utility Equipment- 13.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.07

10.) **2020 SAIDI** 61.11

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

12.) **2020 SAIFI** 0.72

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DEL PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, Cecil Ave, Greenwood Ave, & Virginia Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,624
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/21/2020

8.) **2020 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)** 93.79

10.) **2020 SAIDI** 20.49

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.46

12.) **2020 SAIFI** 6.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DUMESNIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1309 Dumesnil St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DU0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 13th St, W Hill St, & S 15th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 120
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 14.4%
- Other/Unknown- 72.5%
- Overload- 0.0%
- Planned Work- 13.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.74

10.) **2020 SAIDI** 37.07

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

12.) **2020 SAIFI** 0.30

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)** 26.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,408
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.1%
- Other/Unknown- 5.3%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 44.9%
- Utility Equipment- 39.6%
- Vehicle- 4.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.79

10.) **2020 SAIDI** 129.44

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

12.) **2020 SAIFI** 0.94

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

Reliability Improvements Scheduled for 2021

- 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** 2,625
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 2.3%
- Other/Unknown- 10.3%
- Overload- 0.4%
- Planned Work- 39.2%
- Trees- 34.4%
- Utility Equipment- 8.8%
- Vehicle- 3.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.68

10.) **2020 SAIDI** 100.24

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

12.) **2020 SAIFI** 1.02

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

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** EIGHTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 841 S 8th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Breckenridge St, S 6th St, & S 4th St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 162
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 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- 21.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 78.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.32

10.) **2020 SAIDI** 43.23

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

12.) **2020 SAIFI** 0.23

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** 30
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 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)** 11.53

10.) **2020 SAIDI** 4.31

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

12.) **2020 SAIFI** 0.06

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** ET1168
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ethel Ave, Bardstown Rd, Buechel Bank Rd, & Bradford Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,459
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 75.9%
- Utility Equipment- 2.8%
- Vehicle- 17.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.21

10.) **2020 SAIDI**

130.33

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

1.10

12.) **2020 SAIFI**

1.25

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

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1169
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hikes Ln, Champ Trace Ln, & Bashford Manor Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 697
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 43.4%
- Utility Equipment- 40.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 133.79

10.) **2020 SAIDI** 136.15

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

12.) **2020 SAIFI** 0.59

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

Trees Trimmed in 2020

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville

3.) **CIRCUIT NAME AND NUMBER** ET1172

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hikes Ln - NE of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,026

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/11/2020

8.) **2020 OUTAGES BY CAUSE**

 Animal- 3.6%

 Construction- 0.0%

 Lightning- 20.8%

 Non-Company- 0.0%

 Other/Unknown- 0.0%

 Overload- 0.0%

 Planned Work- 7.3%

 Trees- 14.9%

 Utility Equipment- 15.2%

 Vehicle- 38.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.89

10.) **2020 SAIDI** 32.58

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

12.) **2020 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1423
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jennings Ln, Bishop Ln, & Robards Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 59
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/13/2020

8.) **2020 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)	37.80
10.) 2020 SAIDI	55.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.) 2020 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 100 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EW1240
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & Beckley Creek PKWY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 364
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 46.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 41.2%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 4.6%
- Utility Equipment- 6.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.87

10.) **2020 SAIDI** 22.21

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

12.) **2020 SAIFI** 0.36

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** 910
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.6%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 82.0%
- Utility Equipment- 0.1%
- Vehicle- 10.0%

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

10.) **2020 SAIDI** 92.39

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

12.) **2020 SAIFI** 1.29

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

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farnsley Rd, Cane Run Rd, Ralph Ave, & Campground Rd - N & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 970
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 1.7%
- Lightning- 0.0%
- Non-Company- 55.3%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 36.3%
- Utility Equipment- 0.3%
- Vehicle- 0.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	46.50
10.) 2020 SAIDI	106.61
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) 2020 SAIFI	0.52

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

Tree Trim Scheduled for 2021

- 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** 1,321
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.2%
- Lightning- 4.6%
- Non-Company- 0.1%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 15.9%
- Trees- 48.0%
- Utility Equipment- 12.1%
- Vehicle- 11.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.22

10.) **2020 SAIDI** 118.37

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.95

12.) **2020 SAIFI** 2.42

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

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** FALLS CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1048 S 43rd St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FC0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 43rd St, Fordson Way, & Cecil Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 277
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 83.6%
- 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- 16.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.20

10.) **2020 SAIDI** 8.34

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

12.) **2020 SAIFI** 0.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Langdon Dr, & Tiverton Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,547
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/10/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 4.4%
- Non-Company- 0.0%
- Other/Unknown- 15.5%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 77.2%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.68

10.) **2020 SAIDI** 140.38

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

12.) **2020 SAIFI** 0.69

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** FH1211
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Springhurst Blvd & Champion Farms Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 366
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.59

10.) **2020 SAIDI** 24.19

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

12.) **2020 SAIFI** 0.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1213
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Blossom Ln, Goose Creek Rd & Brownsboro Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,986
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/20/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 0.0%
- Lightning- 11.3%
- Non-Company- 0.0%
- Other/Unknown- 33.9%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 49.2%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.46

10.) **2020 SAIDI** 119.15

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

12.) **2020 SAIFI** 1.56

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)** 05/04/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 91.8%
- Utility Equipment- 5.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.41

10.) **2020 SAIDI** 191.29

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

12.) **2020 SAIFI** 1.73

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Springhurst Blvd & N Hurstbourne PKY - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 903
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/10/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 83.2%
- Overload- 0.0%
- Planned Work- 16.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.38

10.) **2020 SAIDI** 47.09

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

12.) **2020 SAIFI** 0.65

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** 1,122
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 62.0%
- Overload- 0.0%
- Planned Work- 37.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.12

10.) **2020 SAIDI** 79.86

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

12.) **2020 SAIFI** 1.77

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FM1256
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Lands Ln, & HWY 44 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 36.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,911
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 93.7%
- Utility Equipment- 5.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.68

10.) **2020 SAIDI** 67.68

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

12.) **2020 SAIFI** 1.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 93.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,011
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 3.0%
- Non-Company- 0.0%
- Other/Unknown- 26.2%
- Overload- 0.0%
- Planned Work- 12.8%
- Trees- 51.9%
- Utility Equipment- 5.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.12

10.) **2020 SAIDI** 128.01

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

12.) **2020 SAIFI** 0.89

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)** 04/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.2%
- Overload- 0.0%
- Planned Work- 16.8%
- Trees- 43.4%
- Utility Equipment- 30.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.09

10.) **2020 SAIDI** 16.03

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

12.) **2020 SAIFI** 0.41

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

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1135
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Forest Dr, E Indian Trl, & Poplar Level Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,101
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 12.9%
- Overload- 0.0%
- Planned Work- 29.4%
- Trees- 1.1%
- Utility Equipment- 4.0%
- Vehicle- 51.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.70

10.) **2020 SAIDI** 61.89

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

12.) **2020 SAIFI** 1.27

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)** 10.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,554
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 3.5%
- Trees- 0.1%
- Utility Equipment- 94.1%
- Vehicle- 1.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.84

10.) **2020 SAIDI** 35.10

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42

12.) **2020 SAIFI** 0.24

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** 216
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 94.5%
- Utility Equipment- 1.3%
- Vehicle- 0.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 114.06

10.) **2020 SAIDI** 252.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.35

12.) **2020 SAIFI** 2.11

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

Tree Trim Scheduled for 2021

- 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)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,173
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.8%
- Utility Equipment- 0.6%
- Vehicle- 98.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.52

10.) **2020 SAIDI** 356.36

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

12.) **2020 SAIFI** 0.80

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)** 17.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,504
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 2.5%
- Non-Company- 0.0%
- Other/Unknown- 20.4%
- Overload- 0.0%
- Planned Work- 11.1%
- Trees- 5.5%
- Utility Equipment- 31.4%
- Vehicle- 29.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	101.97
10.) 2020 SAIDI	113.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.58
12.) 2020 SAIFI	2.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy & Oaklawn Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 30
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2020 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)** 32.84

10.) **2020 SAIDI** 1.00

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

12.) **2020 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** FV1478
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, & Standiford Ave/Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 115
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/29/2021

8.) **2020 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)** 66.15

10.) **2020 SAIDI** 10.39

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

12.) **2020 SAIFI** 0.99

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GAULBERT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2950 Wilson Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GA0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Wilson Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 17
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 100.0%
- 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)** 47.96

10.) **2020 SAIDI** 74.79

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

12.) **2020 SAIFI** 0.35

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** 167
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 72.4%
- Other/Unknown- 13.7%
- Overload- 0.0%
- Planned Work- 14.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.42

10.) **2020 SAIDI** 167.90

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

12.) **2020 SAIFI** 2.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GILLIGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 35th Street & Gilligan Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bank St, N 39th St, & S 38th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 465
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.4%
- Overload- 0.0%
- Planned Work- 5.2%
- Trees- 0.0%
- Utility Equipment- 75.4%
- Vehicle- 0.0%

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

10.) **2020 SAIDI** 55.27

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

12.) **2020 SAIFI** 1.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1330
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 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)** 299.91

10.) **2020 SAIDI** 997.14

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

12.) **2020 SAIFI** 0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1331
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 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)** 561.43

10.) **2020 SAIDI** 1881.73

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1332
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 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)** 221.10

10.) **2020 SAIDI** 596.40

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

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

8.) **2020 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)** 294.90

10.) **2020 SAIDI** 289.52

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1124
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I 264 East & Stratton Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 253
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 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- 27.5%
- Utility Equipment- 72.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.06

10.) **2020 SAIDI** 105.34

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

12.) **2020 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** 776
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 15.0%
- Non-Company- 0.0%
- Other/Unknown- 13.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 33.5%
- Utility Equipment- 38.0%
- Vehicle- 0.0%

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

10.) **2020 SAIDI** 89.78

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03

12.) **2020 SAIFI** 4.00

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** 562
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.8%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 30.6%
- Trees- 0.0%
- Utility Equipment- 5.1%
- Vehicle- 61.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.01

10.) **2020 SAIDI** 72.33

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

12.) **2020 SAIFI** 0.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1141
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Embassy Square Blvd, Doral Ct, & Bunsen Pky - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 920
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/14/2019

8.) **2020 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- 0.4%
- Vehicle- 99.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.90

10.) **2020 SAIDI** 7.77

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

12.) **2020 SAIFI** 0.09

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)** 11/26/2019

8.) **2020 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- 20.6%
- Trees- 78.8%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.83

10.) **2020 SAIDI** 162.51

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

12.) **2020 SAIFI** 0.25

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** 570
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/14/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.6%
- Construction- 0.0%
- Lightning- 8.2%
- Non-Company- 0.0%
- Other/Unknown- 59.0%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 21.2%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 142.94

10.) **2020 SAIDI** 366.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.35

12.) **2020 SAIFI** 5.88

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1148
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Hickory Rd, Taylorsville Rd, College Dr, & Rown Tree Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,250
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 3.4%
- Non-Company- 0.0%
- Other/Unknown- 8.0%
- Overload- 0.0%
- Planned Work- 22.4%
- Trees- 60.1%
- Utility Equipment- 2.3%
- Vehicle- 0.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.66
10.) 2020 SAIDI	60.17
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.28
12.) 2020 SAIFI	0.38

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

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Plantside Dr, Production Dr, & Research Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 31
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2019

- 8.) **2020 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)	14.66
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10.) 2020 SAIDI	19.65
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11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.17
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12.) 2020 SAIFI	0.03
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13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** 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** 324
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 84.9%
- Overload- 0.0%
- Planned Work- 13.6%
- Trees- 0.0%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.10

10.) **2020 SAIDI** 48.80

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

12.) **2020 SAIFI** 0.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grinstead Dr, Lexington Rd, & Alta Vista Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 848
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/14/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 12.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.4%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 14.6%
- Utility Equipment- 57.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.74

10.) **2020 SAIDI** 82.11

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

12.) **2020 SAIFI** 0.76

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** HC1431
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hillcrest Ave & Zorn Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2017

8.) **2020 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)** 80.59

10.) **2020 SAIDI** 88.93

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

12.) **2020 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** HC1433
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - No Road - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2017

8.) **2020 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)** 9.07

10.) **2020 SAIDI** 45.37

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1434
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stilz Ave, Lexington Rd, & Alta Vista Rd - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2017

8.) **2020 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)** 84.48

10.) **2020 SAIDI** 369.92

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HERMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 3619 Jefferson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 38th St, Amy Ave, & W Muhammad Ali Blvd - N & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 648
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 32.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 14.9%
- Utility Equipment- 52.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.64

10.) **2020 SAIDI** 11.23

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

12.) **2020 SAIFI** 0.15

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	HI1102
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Bardstown Rd, Baringer Ave & Highland Ave - NW of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	5.7
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,492
7.)	DATE OF LAST CIRCUIT TRIM (VM)	03/31/2017
8.)	2020 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	1.2%
	Non-Company-	0.0%
	Other/Unknown-	30.9%
	Overload-	0.0%
	Planned Work-	10.0%
	Trees-	10.6%
	Utility Equipment-	30.1%
	Vehicle-	17.3%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	96.95
10.)	2020 SAIDI	65.44
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.54
12.)	2020 SAIFI	2.39
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** HI1473
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Eastern Pky, Poplar Level Rd, & Nightingale Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,180
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 1.7%

Trees- 0.0%

Utility Equipment- 98.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.92

10.) 2020 SAIDI	62.94
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11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.87

12.) 2020 SAIFI	1.30
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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)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 59.6%
- 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- 40.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.37

10.) **2020 SAIDI** 103.13

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

12.) **2020 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 1,998
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.3%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 87.9%
- Utility Equipment- 3.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 239.77

10.) **2020 SAIDI** 377.20

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.22

12.) **2020 SAIFI** 1.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Rd, Shirley Ave, & Duroc Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 585
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 91.5%
- Utility Equipment- 0.0%
- Vehicle- 1.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.51

10.) **2020 SAIDI** 44.47

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

12.) **2020 SAIFI** 0.29

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)** 53.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,493
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.7%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 72.4%
- Utility Equipment- 3.9%
- Vehicle- 1.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 197.00

10.) **2020 SAIDI** 267.29

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.87

12.) **2020 SAIFI** 1.83

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1155
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - Goshen Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 381
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 18.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 75.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.15
10.) 2020 SAIDI	39.69
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) 2020 SAIFI	0.13

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)** 33.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,280
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 31.9%
- Non-Company- 4.3%
- Other/Unknown- 5.4%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 52.9%
- Utility Equipment- 4.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 307.28

10.) **2020 SAIDI** 710.13

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.62

12.) **2020 SAIFI** 2.94

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

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1158
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - US 42 & Buckeye Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 521
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/10/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 1.2%
- Lightning- 7.6%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 77.2%
- Utility Equipment- 8.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 216.82

10.) **2020 SAIDI** 234.04

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

12.) **2020 SAIFI** 1.04

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

Tree Trim Scheduled for 2021

- 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** 1,876
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 37.4%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 21.8%
- Trees- 8.5%
- Utility Equipment- 29.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.88

10.) **2020 SAIDI** 37.38

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

12.) **2020 SAIFI** 1.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HANCOCK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 630 E Caldwell St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HN1204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Preston St, E Broadway, S Shelby St, & E Madison St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,209
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 71.3%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 0.0%
- Utility Equipment- 24.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.16
10.) 2020 SAIDI	30.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.58
12.) 2020 SAIFI	0.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd, Greenbelt Hwy, & Rockaway Dr - ENE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 998
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 0.0%
- Lightning- 17.1%
- Non-Company- 0.0%
- Other/Unknown- 11.5%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 6.2%
- Utility Equipment- 53.8%
- Vehicle- 4.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.68

10.) **2020 SAIDI** 117.83

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

12.) **2020 SAIFI** 1.92

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** IN1298
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd & Distribution Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 43
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 80.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 16.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.52

10.) **2020 SAIDI** 16.22

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

12.) **2020 SAIFI** 1.07

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** JT1123
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd, I 265 S, & Eastwood Fisherville Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 67.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,397
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/08/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.4%
- Construction- 0.9%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 55.5%
- Utility Equipment- 33.9%
- Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	74.60
10.)	2020 SAIDI	100.04
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.71
12.)	2020 SAIFI	0.81

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

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1156
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Strawberry Ln, Southside Dr, & National TPke - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,249
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.6%
- Overload- 0.0%
- Planned Work- 7.4%
- Trees- 0.6%
- Utility Equipment- 62.3%
- Vehicle- 8.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.74

10.) **2020 SAIDI** 77.96

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42

12.) **2020 SAIFI** 0.84

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

Continue to Monitor

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

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 4.9%
- Trees- 0.0%
- Utility Equipment- 9.7%
- Vehicle- 85.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.28

10.) **2020 SAIDI** 49.85

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

12.) **2020 SAIFI** 0.76

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1159
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Kenwood Dr, Homestead Dr, & Southside Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,426
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 8.0%
- Lightning- 11.2%
- Non-Company- 10.0%
- Other/Unknown- 7.9%
- Overload- 0.0%
- Planned Work- 31.7%
- Trees- 20.5%
- Utility Equipment- 5.0%
- Vehicle- 1.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.78

10.) **2020 SAIDI** 89.23

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

12.) **2020 SAIFI** 2.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1161
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southside Dr, 3rd St, & W Kenwood Way - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 731
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 11.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.4%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 71.6%
- Utility Equipment- 5.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.17

10.) **2020 SAIDI** 66.05

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

12.) **2020 SAIFI** 0.83

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

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1162
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Strawberry Ln & Eiler Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 76
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 39.2%
- Overload- 0.0%
- Planned Work- 60.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.54

10.) **2020 SAIDI** 24.49

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

12.) **2020 SAIFI** 0.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelby St - NE & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 534
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 54.0%
- Overload- 0.0%
- Planned Work- 3.5%
- Trees- 2.2%
- Utility Equipment- 16.5%
- Vehicle- 23.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.48

10.) **2020 SAIDI** 74.29

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

12.) **2020 SAIFI** 1.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St & Miller Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 480
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 9.7%
- Planned Work- 63.6%
- Trees- 7.5%
- Utility Equipment- 19.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.87

10.) **2020 SAIDI** 38.69

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

12.) **2020 SAIFI** 0.35

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** LO1191
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hess Ln & Polar Level Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 55
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 77.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 22.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.99

10.) **2020 SAIDI** 64.26

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03

12.) **2020 SAIFI** 1.95

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Bellemeade
- 3.) **CIRCUIT NAME AND NUMBER** LS1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bellemeade - Old Whipps Mill Rd, Dorchester Rd, & Shelbyville Rd - S & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 454
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.6%
- Overload- 0.0%
- Planned Work- 58.1%
- Trees- 27.8%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.06

10.) **2020 SAIDI** 104.99

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

12.) **2020 SAIFI** 0.90

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

Trees Trimmed in 2021

- 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** 809
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.1%
- Overload- 3.5%
- Planned Work- 7.2%
- Trees- 7.1%
- Utility Equipment- 0.8%
- Vehicle- 58.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.69

10.) **2020 SAIDI** 29.33

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

12.) **2020 SAIFI** 0.81

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Bellemeade
- 3.) **CIRCUIT NAME AND NUMBER** LS1244
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lyndon - New La Grange Rd, La Grange Rd, Whipps Mill Rd - N & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,902
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.1%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.3%
- Overload- 1.2%
- Planned Work- 6.3%
- Trees- 48.0%
- Utility Equipment- 27.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.74

10.) **2020 SAIDI** 79.88

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

12.) **2020 SAIFI** 0.54

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

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1246
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - New La Grange Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 385
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 41.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 0.0%
- Utility Equipment- 54.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.51

10.) **2020 SAIDI** 49.14

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

12.) **2020 SAIFI** 0.49

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8407 LaGrange Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LY1111
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ln, Herr Ln, & Graymoor Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,147
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 1.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.1%
- Overload- 0.0%
- Planned Work- 8.5%
- Trees- 59.7%
- Utility Equipment- 9.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.81

10.) **2020 SAIDI** 135.01

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

12.) **2020 SAIFI** 0.92

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

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - LGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 14660 Dixie Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MC1261
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Pendleton Rd, & Blevins Gap Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 63.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,423
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/04/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.5%
- Overload- 0.0%
- Planned Work- 18.2%
- Trees- 34.2%
- Utility Equipment- 4.7%
- Vehicle- 32.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.88

10.) **2020 SAIDI** 92.71

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

12.) **2020 SAIFI** 1.79

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

Reliability Improvements Completed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway, 15th St, Garland Ave, & 16th St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 370
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 11.2%
- Trees- 4.7%
- Utility Equipment- 0.2%
- Vehicle- 82.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.53

10.) **2020 SAIDI** 134.49

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

12.) **2020 SAIFI** 1.21

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)** 02/01/2020

8.) **2020 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)** 22.44

10.) **2020 SAIDI** 27.06

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09

12.) **2020 SAIFI** 0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0452
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 12th St, W Kentucky St, & W Oak St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 60
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 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)** 112.20

10.) **2020 SAIDI** 77.20

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

12.) **2020 SAIFI** 1.02

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** 15
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 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)** 0.65

10.) **2020 SAIDI** 1.00

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Saint Anthony's Church Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 137
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 82.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

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

10.) **2020 SAIDI** 92.15

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

12.) **2020 SAIFI** 0.39

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd and Brown Austin Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,268
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 51.7%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.0%
- Utility Equipment- 36.3%
- Vehicle- 9.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.68

10.) **2020 SAIDI** 30.19

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

12.) **2020 SAIFI** 0.23

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1295
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop, New Cut Rd, & Scottsdale Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,772
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/07/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 45.1%
- Trees- 6.4%
- Utility Equipment- 47.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.09

10.) **2020 SAIDI** 46.24

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

12.) **2020 SAIFI** 0.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1296
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St Rd, Christland Rd, & Manslick Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,729
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.6%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 7.5%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 77.6%
- Utility Equipment- 5.9%
- Vehicle- 1.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.31

10.) **2020 SAIDI** 89.06

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

12.) **2020 SAIFI** 0.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1297
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop & National Tpke - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 579
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/07/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 64.6%
- Overload- 0.0%
- Planned Work- 5.7%
- Trees- 0.5%
- Utility Equipment- 29.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.27

10.) **2020 SAIDI** 50.95

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

12.) **2020 SAIFI** 0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1298
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Belvins Gap Rd, & Brown Austin Rd - SW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 584
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.1%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 51.6%
- Utility Equipment- 12.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 212.53

10.) **2020 SAIDI** 500.58

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

12.) **2020 SAIFI** 2.21

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** 1,868
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.3%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 52.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 0.9%
- Utility Equipment- 46.0%
- Vehicle- 0.0%

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

10.) **2020 SAIDI** 100.88

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03

12.) **2020 SAIFI** 1.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1284
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Christman Dr, Mount Washington Rd, & Cedar Creek Rd- E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,515
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/24/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 14.4%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 14.9%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 54.2%
- Utility Equipment- 7.7%
- Vehicle- 5.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.92

10.) **2020 SAIDI** 32.80

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

12.) **2020 SAIFI** 0.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Lees Ln, Rogers Ave, & Zoneton Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,621
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.9%
- Construction- 0.0%
- Lightning- 23.6%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 60.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 70.75

10.) **2020 SAIDI** 70.21

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

12.) **2020 SAIFI** 0.43

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)** 26.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,542
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 39.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.2%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 2.2%
- Utility Equipment- 37.0%
- Vehicle- 1.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	19.46
10.) 2020 SAIDI	19.92
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) 2020 SAIFI	0.29

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** ML1288
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Hebron Ln, & Bells Mill Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 38.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,586
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 57.6%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 2.4%
- Utility Equipment- 29.7%
- Vehicle- 3.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.29

10.) **2020 SAIDI** 50.85

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

12.) **2020 SAIFI** 0.57

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** 813
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.5%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 29.5%
- Utility Equipment- 46.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	108.91
10.) 2020 SAIDI	139.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.77
12.) 2020 SAIFI	3.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southpoint Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2019

8.) **2020 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.12

10.) **2020 SAIDI** 190.62

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MULDRAUGH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - 100 Carpenter Test Rd. - Muldraugh
- 3.) **CIRCUIT NAME AND NUMBER** MU1101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Muldraugh - Carpenter Test Rd, Main St, & Dixie Hwy - E & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 554
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 69.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	54.07
10.) 2020 SAIDI	146.88
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.15
12.) 2020 SAIFI	2.46

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** 1,343
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/13/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 94.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.97

10.) **2020 SAIDI** 114.16

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

12.) **2020 SAIFI** 0.33

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** 1,560
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 93.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.2%
- Utility Equipment- 5.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.04

10.) **2020 SAIDI** 45.99

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

12.) **2020 SAIFI** 0.42

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OLD HENRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 13601 Terra View Trail - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OH1170
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Henry Rd, Nelson Miller Pky, & Stanley Gault Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 141
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/07/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 14.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 0.0%
- Utility Equipment- 83.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.83

10.) **2020 SAIDI** 16.09

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

12.) **2020 SAIFI** 0.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop, Shepherdsville Rd, & Applegate Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,664
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 9.1%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 1.0%
- Other/Unknown- 13.1%
- Overload- 0.0%
- Planned Work- 6.5%
- Trees- 66.1%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.76

10.) **2020 SAIDI** 58.20

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

12.) **2020 SAIFI** 1.00

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** 1,341
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 12.5%
- Construction- 1.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.0%
- Overload- 0.0%
- Planned Work- 17.0%
- Trees- 42.7%
- Utility Equipment- 0.0%
- Vehicle- 15.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.49

10.) **2020 SAIDI** 44.98

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

12.) **2020 SAIFI** 0.22

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** 96
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 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)** 88.81

10.) **2020 SAIDI** 1.00

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1276
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - No Road - At Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 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)	51.19
10.) 2020 SAIDI	255.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2020 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1278
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Christian Way & Oxmoor Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 100.0%
- 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)** 179.14

10.) **2020 SAIDI** 106.33

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1279
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, New La Grange Rd, & Wood Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,467
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 38.9%
- Overload- 0.0%
- Planned Work- 5.3%
- Trees- 54.2%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.82

10.) **2020 SAIDI** 156.99

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

12.) **2020 SAIFI** 1.57

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

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** PIRTLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 1506 W Main St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, 22nd St, 19th St, & Cedar St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 525
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 29.2%
- Lightning- 0.0%
- Non-Company- 0.5%
- Other/Unknown- 38.3%
- Overload- 0.0%
- Planned Work- 20.3%
- Trees- 0.0%
- Utility Equipment- 11.1%
- Vehicle- 0.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.03

10.) **2020 SAIDI** 45.75

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

12.) **2020 SAIFI** 1.25

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** PI0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Market St & 10th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 316
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 47.9%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 52.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.40

10.) **2020 SAIDI** 48.63

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

12.) **2020 SAIFI** 0.37

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. Anthony's Church Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,491
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/13/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.1%
- Overload- 0.0%
- Planned Work- 7.5%
- Trees- 15.1%
- Utility Equipment- 49.7%
- Vehicle- 13.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.09

10.) **2020 SAIDI** 50.96

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

12.) **2020 SAIFI** 0.74

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)** 27.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,095
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 25.8%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 2.0%
- Utility Equipment- 65.2%
- Vehicle- 3.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.31

10.) **2020 SAIDI** 118.16

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

12.) **2020 SAIFI** 0.35

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)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 82
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.4%
- Overload- 0.0%
- Planned Work- 18.2%
- Trees- 0.0%
- Utility Equipment- 55.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	85.26
10.) 2020 SAIDI	230.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2020 SAIFI	1.55

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** PR1387
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - No Road - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/09/2019

8.) **2020 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)** 51.14

10.) **2020 SAIDI** 255.68

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** 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** 13
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 20.3%
- Non-Company- 0.0%
- Other/Unknown- 79.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.49

10.) **2020 SAIDI** 369.36

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

12.) **2020 SAIFI** 4.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1250
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Dorsey Ln, & Ward Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,863
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 12.4%
- Construction- 0.0%
- Lightning- 5.9%
- Non-Company- 0.0%
- Other/Unknown- 68.6%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 0.0%
- Utility Equipment- 10.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.76

10.) **2020 SAIDI** 58.39

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

12.) **2020 SAIFI** 0.28

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** 333
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.97

10.) **2020 SAIDI** 22.03

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

12.) **2020 SAIFI** 0.09

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** 2,039
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.3%
- Construction- 0.0%
- Lightning- 13.5%
- Non-Company- 0.0%
- Other/Unknown- 28.1%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 32.0%
- Utility Equipment- 6.6%
- Vehicle- 8.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	59.27
10.) 2020 SAIDI	75.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.16
12.) 2020 SAIFI	2.41

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

Tree Trim Scheduled for 2021

- 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** 1,311
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 7.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 64.3%
- Overload- 0.0%
- Planned Work- 6.9%
- Trees- 0.0%
- Utility Equipment- 21.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.32
- 10.) **2020 SAIDI** 62.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 12.) **2020 SAIFI** 1.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Nobel Pl, Dixie Hwy, & Appleton Ln - NW & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,117
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 9.2%
- Overload- 0.0%
- Planned Work- 21.6%
- Trees- 18.9%
- Utility Equipment- 41.5%
- Vehicle- 6.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.31

10.) **2020 SAIDI** 59.93

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

12.) **2020 SAIFI** 0.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1456
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Ralph Ave, & Fitzgerald Rd - N of Substation of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 22
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 99.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 170.87

10.) **2020 SAIDI** 547.99

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

12.) **2020 SAIFI** 0.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1458
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th Street Rd, Arcade Ave, Taylor Blvd, & Berry Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 7
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 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)** 17.51

10.) **2020 SAIDI** 1.00

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

12.) **2020 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1459
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Bluegrass Ave, & Taylor Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 16
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 100.0%
- 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)** 95.83

10.) **2020 SAIDI** 217.47

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

12.) **2020 SAIFI** 0.94

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** SK1128
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Skylight - Hwy 42, Hwy 393, & Hwy 524 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 152.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,437
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 18.2%
- Non-Company- 5.8%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 46.9%
- Utility Equipment- 8.6%
- Vehicle- 15.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 456.77

10.) **2020 SAIDI** 730.35

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.17

12.) **2020 SAIFI** 3.38

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

Reliability Improvements Scheduled for 2021

- 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** 2,256
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 20.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.7%
- Overload- 0.0%
- Planned Work- 21.2%
- Trees- 23.5%
- Utility Equipment- 7.0%
- Vehicle- 19.3%

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

10.) **2020 SAIDI** 59.86

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

12.) **2020 SAIFI** 0.99

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** SM1235
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fairmont Ave, 3rd St, 5th St, & 4th St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,209
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 10.3%
- Lightning- 0.0%
- Non-Company- 0.6%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 80.1%
- Trees- 0.0%
- Utility Equipment- 1.7%
- Vehicle- 2.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.93

10.) **2020 SAIDI** 71.03

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

12.) **2020 SAIFI** 0.54

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** SM1363
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 12
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 82.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 13.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.83

10.) **2020 SAIDI** 264.02

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

12.) **2020 SAIFI** 3.17

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** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 29.3%
- Overload- 0.0%
- Planned Work- 67.0%
- Trees- 0.0%
- Utility Equipment- 3.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.93

10.) **2020 SAIDI** 119.68

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

12.) **2020 SAIFI** 0.85

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)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 35
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 74.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 115.06

10.) **2020 SAIDI** 161.25

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.93

12.) **2020 SAIFI** 2.09

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** 519
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 28.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 65.4%
- Trees- 6.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.75

10.) **2020 SAIDI** 25.03

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

12.) **2020 SAIFI** 0.20

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** 618
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 73.8%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 6.6%
- Trees- 2.3%
- Utility Equipment- 0.1%
- Vehicle- 13.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.60

10.) **2020 SAIDI** 194.06

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

12.) **2020 SAIFI** 1.51

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 694
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.6%
- Overload- 0.0%
- Planned Work- 7.6%
- Trees- 0.0%
- Utility Equipment- 2.1%
- Vehicle- 74.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	46.22
10.) 2020 SAIDI	163.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) 2020 SAIFI	2.03

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** 776
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 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- 31.5%
- Trees- 0.0%
- Utility Equipment- 66.3%
- Vehicle- 2.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.73
10.) 2020 SAIDI	36.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.34
12.) 2020 SAIFI	0.58

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** 538
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 58.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 15.6%
- Utility Equipment- 25.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.76

10.) **2020 SAIDI** 79.58

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

12.) **2020 SAIFI** 0.27

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** 626
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 55.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 20.2%
- Utility Equipment- 24.6%
- Vehicle- 0.0%

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

10.) **2020 SAIDI** 53.37

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

12.) **2020 SAIFI** 0.35

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)** 9.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 526
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/12/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.7%
- Utility Equipment- 0.0%
- Vehicle- 97.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 248.84

10.) **2020 SAIDI** 683.02

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

12.) **2020 SAIFI** 0.97

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Romania Dr, Meyers Ln, & Blanton Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,269
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 23.6%
- Trees- 7.7%
- Utility Equipment- 17.2%
- Vehicle- 48.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 125.47

10.) **2020 SAIDI** 113.41

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

12.) **2020 SAIFI** 1.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1186
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Hazelwood Ave, Bluegrass Ave, & Lonsdale Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,025
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 81.7%
- Utility Equipment- 0.8%
- Vehicle- 4.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	119.30
10.) 2020 SAIDI	146.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.88
12.) 2020 SAIFI	0.92

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

Reliability Improvements Completed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1187
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - San Jose Ave, Dixie Hwy, Sadie Ln, & Estate Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,526
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 8.1%
- Lightning- 1.1%
- Non-Company- 0.0%
- Other/Unknown- 49.9%
- Overload- 0.0%
- Planned Work- 11.0%
- Trees- 19.6%
- Utility Equipment- 7.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.18

10.) **2020 SAIDI** 65.51

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

12.) **2020 SAIFI** 0.61

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** 1,871
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 28.5%
- Construction- 0.5%
- Lightning- 0.0%
- Non-Company- 0.4%
- Other/Unknown- 10.8%
- Overload- 0.0%
- Planned Work- 9.6%
- Trees- 35.0%
- Utility Equipment- 1.9%
- Vehicle- 13.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.40

10.) **2020 SAIDI** 94.19

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

12.) **2020 SAIFI** 1.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1191
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Manslick Rd, & Parkwood Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,352
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 95.0%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 0.6%
- Utility Equipment- 2.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.73

10.) **2020 SAIDI** 146.71

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

12.) **2020 SAIFI** 0.58

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Hazelwood Ave, Manslick Rd, & Brick Kiln Ln - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 38
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 6.7%
- Trees- 64.7%
- Utility Equipment- 15.6%
- Vehicle- 13.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 193.56

10.) **2020 SAIDI** 801.90

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

12.) **2020 SAIFI** 4.16

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

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1250
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Vaughn Mill Rd, Outer Loop & Fegenbush Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,035
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 1.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 24.8%
- Overload- 0.0%
- Planned Work- 15.7%
- Trees- 4.9%
- Utility Equipment- 49.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.04

10.) **2020 SAIDI** 26.80

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

12.) **2020 SAIFI** 0.62

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1255
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Beulah Church Rd, & Fegenbush Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,740
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/05/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 7.9%
- Construction- 0.0%
- Lightning- 3.9%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.7%
- Planned Work- 3.1%
- Trees- 0.0%
- Utility Equipment- 80.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.33

10.) **2020 SAIDI** 43.61

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

12.) **2020 SAIFI** 1.37

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd & Springcrest Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,477
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/02/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 2.5%
- Utility Equipment- 13.3%
- Vehicle- 76.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 134.18

10.) **2020 SAIDI** 139.08

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

12.) **2020 SAIFI** 1.03

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

Reliability Improvements Completed in 2020

- 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** 1,210
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.5%
- Construction- 0.0%
- Lightning- 1.2%
- Non-Company- 0.0%
- Other/Unknown- 47.3%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 28.2%
- Utility Equipment- 13.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 151.21

10.) **2020 SAIDI** 70.02

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.47

12.) **2020 SAIFI** 1.47

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

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1130
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hubbards Ln, Shelbyville Rd, & Browns Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,742
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 4.4%
- Trees- 80.8%
- Utility Equipment- 10.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 131.85

10.) **2020 SAIDI** 152.03

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

12.) **2020 SAIFI** 1.54

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

Reliability Improvements Completed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Chenoweth Ln, Canoe Ln, & Wampum Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 571
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 13.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 32.6%
- Utility Equipment- 53.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 188.51

10.) **2020 SAIDI** 265.33

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

12.) **2020 SAIFI** 1.77

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** 1,117
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 38.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.6%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 20.4%
- Utility Equipment- 21.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.25

10.) **2020 SAIDI** 144.42

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

12.) **2020 SAIFI** 1.85

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)** 25.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,970
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 1.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.6%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 66.5%
- Utility Equipment- 26.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 160.81

10.) **2020 SAIDI** 323.12

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

12.) **2020 SAIFI** 3.46

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** TE1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pages Ln & Robbins Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 856
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.2%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 64.4%
- Utility Equipment- 16.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.73

10.) **2020 SAIDI** 64.15

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

12.) **2020 SAIFI** 0.86

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

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Terry Rd, Greenwood Rd, & Westbrook Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,775
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 0.6%
- Utility Equipment- 13.3%
- Vehicle- 81.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.60

10.) **2020 SAIDI** 108.82

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

12.) **2020 SAIFI** 1.30

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** 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** 1,852
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 20.8%
- Trees- 0.3%
- Utility Equipment- 77.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.55

10.) **2020 SAIDI** 23.87

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

12.) **2020 SAIFI** 0.20

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** 2,344
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 11.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 25.9%
- Trees- 1.3%
- Utility Equipment- 33.6%
- Vehicle- 27.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.61
10.) 2020 SAIDI	40.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.35
12.) 2020 SAIFI	0.81

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** 363
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 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- 0.0%
- Utility Equipment- 3.3%
- Vehicle- 94.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.93
10.) 2020 SAIDI	32.70
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.64
12.) 2020 SAIFI	1.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1248
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenbelt Hwy, Greenwood Rd, & Cane Run Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 606
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.3%
- Vehicle- 79.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.75

10.) **2020 SAIDI** 182.28

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

12.) **2020 SAIFI** 0.52

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Tip Top
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - US 60 - Tip Top
- 3.) **CIRCUIT NAME AND NUMBER** TT3314
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - Chaffee Ave, Gold Vault Rd, & 5th Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2020

8.) **2020 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)** 1649.01

10.) **2020 SAIDI** 8232.82

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

12.) **2020 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** VE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, 44th, 43rd, & 42nd St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 305
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 28.7%
- Trees- 20.8%
- Utility Equipment- 0.0%
- Vehicle- 50.6%

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

10.) **2020 SAIDI** 60.58

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

12.) **2020 SAIFI** 0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Chestnut St, 26th St, & Muhammad Ali Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 811
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 6.5%
- Lightning- 0.0%
- Non-Company- 47.9%
- Other/Unknown- 5.3%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 29.5%
- Utility Equipment- 1.1%
- Vehicle- 8.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.29

10.) **2020 SAIDI** 40.75

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

12.) **2020 SAIFI** 0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0006
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Chestnut St, 30th St, & 31st St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 223
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 97.2%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 2.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 105.09

10.) **2020 SAIDI** 435.93

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

12.) **2020 SAIFI** 0.38

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)** 31.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,153
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 27.1%
- Overload- 0.0%
- Planned Work- 15.6%
- Trees- 0.6%
- Utility Equipment- 56.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.25

10.) **2020 SAIDI** 176.81

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

12.) **2020 SAIFI** 1.43

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	WORTHINGTON	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 10300 Ballardsville Rd. - Louisville	
3.) CIRCUIT NAME AND NUMBER	WO1177	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Ballardsville Rd, Murphy Ln, & Tazwell Dr - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	23.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,088	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/01/2017	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.1%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.8%	
	Planned Work- 0.7%	
	Trees- 16.9%	
	Utility Equipment- 59.5%	
	Vehicle- 22.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		69.88
10.) 2020 SAIDI		116.87
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.67
12.) 2020 SAIFI		0.66
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** WORTHINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1179
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chamberlain Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,103
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 70.1%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 29.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.12

10.) **2020 SAIDI** 161.85

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

12.) **2020 SAIFI** 1.02

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

Tree Trim Scheduled for 2021

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

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

3.) **CIRCUIT NAME AND NUMBER** WO1182

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Park Plaza Ave, & Ten Broeck Way - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,011

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 76.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 15.1%
- Utility Equipment- 8.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	49.97
10.) 2020 SAIDI	54.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.61
12.) 2020 SAIFI	0.30

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)** 36.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,671
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/31/2017

- 8.) **2020 OUTAGES BY CAUSE**
 - Animal- 0.5%
 - Construction- 0.0%
 - Lightning- 15.3%
 - Non-Company- 1.8%
 - Other/Unknown- 12.0%
 - Overload- 0.2%
 - Planned Work- 0.0%
 - Trees- 44.6%
 - Utility Equipment- 6.3%
 - Vehicle- 19.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		195.11
10.) 2020 SAIDI		218.65
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.64
12.) 2020 SAIFI		1.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2021	

- 1.) **SUBSTATION NAME AND NUMBER** WORTHINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd & Worthington Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,557
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 38.0%
- Non-Company- 1.3%
- Other/Unknown- 12.7%
- Overload- 0.0%
- Planned Work- 24.7%
- Trees- 0.0%
- Utility Equipment- 23.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.47
10.) 2020 SAIDI	61.35
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.) 2020 SAIFI	0.60

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** 52
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 3.0%
- Lightning- 0.0%
- Non-Company- 40.9%
- Other/Unknown- 52.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.21

10.) **2020 SAIDI** 97.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03

12.) **2020 SAIFI** 2.43

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)** 20.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,830
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.5%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 32.9%
- Utility Equipment- 14.7%
- Vehicle- 15.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.83

10.) **2020 SAIDI** 76.12

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

12.) **2020 SAIFI** 1.32

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

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Laverne Dr, Watterson Trl, & Dell Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,517
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/29/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.7%
- Overload- 0.0%
- Planned Work- 18.9%
- Trees- 14.2%
- Utility Equipment- 54.9%
- Vehicle- 2.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.35

10.) **2020 SAIDI** 28.84

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

12.) **2020 SAIFI** 0.28

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

Continue to Monitor

KENTUCKY PUBLIC SERVICE COMMISSION

ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

The Companies' Vegetation Management Plan was submitted December 19, 2007. The Distribution Vegetation Management Program encompasses right of way maintenance for Louisville Gas and Electric Company and Kentucky Utilities Company (referred to as the "Companies"). The program is centralized and managed by a Forestry Manager and eight company Utility Arborists. All are certified arborists by the International Society of Arboriculture.

The Companies' plan is to maintain a proactive trim cycle while balancing the reactive needs of worst performing circuits. The Companies' goal is to maintain an average trim cycle of five years or less. The effectiveness of the plan is evaluated by the cycle and system performance as measured by system SAIDI, SAIFI, and CAIDI.

Effectiveness of the program

KU/LG&E Tree Cycle – 4.90 years

LGE Tree SAIDI – 21.13 minutes

LGE Tree SAIFI – 0.115

LGE Tree CAIDI – 183.9 minutes

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

Adjustments made to the tree plan in 2020 included

No changes made to plan.

Changes to be implemented in 2021

No changes made to plan. Continue targeted hazard tree and mid-cycle trim work.

SECTION 7: UTILITY COMMENTS

SAIDI and SAIFI improved in 2020 compared to the previous 5 year average including and excluding major events. 215 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2020.