



a PPL company

Gwen R. Pinson
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601

**Louisville Gas and Electric
Company**
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
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May 1, 2018

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

Dear Ms. Pinson:

Enclosed please find Louisville Gas and Electric Company's ("LG&E") 2017 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 2017 Annual Reliability Report for LG&E in Excel format.

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

Sincerely,

A handwritten signature in blue ink that reads "Rick E. Lovekamp". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Rick E. Lovekamp

KENTUCKY PUBLIC SERVICE COMMISSION
ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 1: CONTACT INFORMATION

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

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2017
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SECTION 3: MAJOR EVENT DAYS (MED)

	T_{MED}
FIRST DATE USED TO DETERMINE T_{MED}	2.958
LAST DATE USED TO DETERMINE T_{MED}	1/1/2012
NUMBER OF MED IN REPORTING YEAR	12/31/2016
	3

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

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

TOTAL CUSTOMERS <u>418,613</u>	TOTAL CIRCUITS <u>584</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>79.37</u>	SAIDI	<u>71.93</u>
SAIFI	<u>0.954</u>	SAIFI	<u>0.835</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>133.14</u>	SAIDI	<u>90.81</u>
SAIFI	<u>1.159</u>	SAIFI	<u>0.912</u>

Notes:

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

SECTION 5: CIRCUIT REPORTING

BEGIN ON NEXT PAGE

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 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** 1,222
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/19/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.6%
- Construction- 0.0%
- Lightning- 37.2%
- Non-Company- 0.0%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 13.0%
- Trees- 43.3%
- Utility Equipment- 0.8%
- Vehicle- 0.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.14
- 10.) **2017 SAIDI** 20.30
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39
- 12.) **2017 SAIFI** 0.51

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1289
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville rd & Upton Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 37.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,019
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/17/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.0%
- Lightning- 28.8%
- Non-Company- 10.2%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 0.0%
- Utility Equipment- 1.0%
- Vehicle- 54.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.76
- 10.) **2017 SAIDI** **35.85**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2017 SAIFI** 0.21
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	ALGONQUIN	
	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 1800 S 11th St - Louisville	
3.)	CIRCUIT NAME AND NUMBER	AL1380	
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - S 7th St - N of Substation	
5.)	TOTAL CIRCUIT LENGTH (MILES)	3.1	
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,727	
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/14/2016	
8.)	2017 OUTAGES BY CAUSE		
		Animal- 0.0%	
		Construction- 0.0%	
		Lightning- 0.0%	
		Non-Company- 0.0%	
		Other/Unknown- 0.0%	
		Overload- 0.0%	
		Planned Work- 0.0%	
		Trees- 0.0%	
		Utility Equipment- 100.0%	
		Vehicle- 0.0%	
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		24.62
10.)	2017 SAIDI		9.25
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.62
12.)	2017 SAIFI		1.13
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor		

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1441
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bernheim Ln & 7th St Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 52
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 57.1%
- Trees- 0.0%
- Utility Equipment- 7.7%
- Vehicle- 35.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.82
- 10.) **2017 SAIDI** 172.08
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.47
- 12.) **2017 SAIFI** 1.85

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1442
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 4th St & S 3rd St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 933
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 48.6%
 - Overload- 0.0%
 - Planned Work- 1.5%
 - Trees- 0.0%
 - Utility Equipment- 0.0%
 - Vehicle- 49.9%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.20
- 10.) **2017 SAIDI** 82.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2017 SAIFI** 2.06
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1443
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 13th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 549
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 0.0%
- Utility Equipment- 99.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.62
- 10.) **2017 SAIDI** 56.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.72
- 12.) **2017 SAIFI** 1.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1444
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 15th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 26
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 0.0%
- Utility Equipment- 94.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 388.63
- 10.) **2017 SAIDI** 135.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.30
- 12.) **2017 SAIFI** 3.35
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBOTTOM
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8113 Grade Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AS1417
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 28
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015

8.) **2017 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)** 138.37
- 10.) **2017 SAIDI** 84.43
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03
- 12.) **2017 SAIFI** 2.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBOTTOM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8113 Grade Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AS1418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 54
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 58.2%
- Overload- 41.8%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.45
- 10.) **2017 SAIDI** 29.27
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.53
- 12.) **2017 SAIFI** **0.60**

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 8113 Grade Ln - Louisville

3.) **CIRCUIT NAME AND NUMBER** AS1419

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop & National Turnpike - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4

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

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015

8.) **2017 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)** 15.80

10.) **2017 SAIDI** 79.00

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

12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRANDENBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - Weldon Church Rd. - Brandenburg
- 3.) **CIRCUIT NAME AND NUMBER** BB1102
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Brandenburg - E Broadway St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 838
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 3.9%
- Construction- 1.4%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 77.4%
- Utility Equipment- 6.7%
- Vehicle- 1.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.06
- 10.) **2017 SAIDI** **65.01**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48
- 12.) **2017 SAIFI** **0.60**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRANDENBURG
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - Weldon Church Rd. - Brandenburg
- 3.) **CIRCUIT NAME AND NUMBER** BB1103
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Brandenburg - State Hwy 1638 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 47.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 559
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 3.7%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 94.2%
- Utility Equipment- 0.4%
- Vehicle- 0.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 268.53
- 10.) **2017 SAIDI** **602.52**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.53
- 12.) **2017 SAIFI** 0.80

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

Continue to Monitor

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

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

3.) **CIRCUIT NAME AND NUMBER** BI1219

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pinewood Rd & Produce Rd - SE of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 964

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.4%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 29.1%

Overload- 0.0%

Planned Work- 2.0%

Trees- 1.8%

Utility Equipment- 0.5%

Vehicle- 66.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.42

10.) **2017 SAIDI** 42.57

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

12.) **2017 SAIFI** 2.02

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

Continue to Monitor

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

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

3.) **CIRCUIT NAME AND NUMBER** BI1220

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

5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.5

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,102

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 46.0%

Construction- 0.0%

Lightning- 16.1%

Non-Company- 0.0%

Other/Unknown- 3.9%

Overload- 0.0%

Planned Work- 4.2%

Trees- 4.1%

Utility Equipment- 24.6%

Vehicle- 1.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.35

10.) **2017 SAIDI** 86.25

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

12.) **2017 SAIFI** 1.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1222
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bishop Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 44
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 70.5%
- Trees- 0.0%
- Utility Equipment- 13.0%
- Vehicle- 16.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.60
- 10.) **2017 SAIDI** **11.98**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.07
- 12.) **2017 SAIFI** **0.13**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1223
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bishop Ln & Gilmore Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 66
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 5.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 92.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.33
- 10.) **2017 SAIDI** **48.54**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2017 SAIFI** 0.17

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** BROOK
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 913 S 1st Street - Louisville

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

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

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 168

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

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 68.6%
- Overload- 0.0%
- Planned Work- 31.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.83

10.) **2017 SAIDI** **42.07**

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

12.) **2017 SAIFI** **0.39**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BROOK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 913 S 1st Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BK0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 2nd St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 125
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2010

8.) **2017 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)** 206.70
- 10.) **2017 SAIDI** 140.90
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 12.) **2017 SAIFI** 0.96

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1177
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,002
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/23/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 19.9%
- Construction- 0.0%
- Lightning- 30.0%
- Non-Company- 0.0%
- Other/Unknown- 7.9%
- Overload- 0.0%
- Planned Work- 8.5%
- Trees- 7.7%
- Utility Equipment- 26.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 138.26
- 10.) **2017 SAIDI** 140.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.54
- 12.) **2017 SAIFI** 2.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 220
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/04/2017

8.) **2017 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- 0.1%
- Trees- 96.4%
- Utility Equipment- 3.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.13
- 10.) **2017 SAIDI** 38.05
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.86
- 12.) **2017 SAIFI** 1.00

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

Trees Trimmed in 2017

- 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)** 15.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,884
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 7.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.1%
- Overload- 0.0%
- Planned Work- 27.8%
- Trees- 37.6%
- Utility Equipment- 7.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.54
- 10.) **2017 SAIDI** 52.19
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.89
- 12.) **2017 SAIFI** 1.26

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1186
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Richland Dr & Hunsinger Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,697
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 4.9%
- Trees- 84.8%
- Utility Equipment- 7.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.41
- 10.) **2017 SAIDI** 164.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31
- 12.) **2017 SAIFI** 2.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1354
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 34
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2008

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 66.1%
- Overload- 0.0%
- Planned Work- 33.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 139.24
- 10.) **2017 SAIDI** 233.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.07
- 12.) **2017 SAIFI** 1.26

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1276
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Commonwealth Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 166
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 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- 95.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.86
- 10.) **2017 SAIDI** 56.53
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 12.) **2017 SAIFI** 1.01
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1278
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ellingsworth Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 922
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 51.9%
- Construction- 1.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 17.4%
- Utility Equipment- 28.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.85
- 10.) **2017 SAIDI** 148.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.95
- 12.) **2017 SAIFI** 2.26

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1281
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bluegrass Parkway - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 159
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2017 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- 26.3%
- Trees- 0.0%
- Utility Equipment- 66.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.58
- 10.) **2017 SAIDI** 160.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.40
- 12.) **2017 SAIFI** 2.09

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)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 428
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 24.0%
- Overload- 0.0%
- Planned Work- 59.8%
- Trees- 13.1%
- Utility Equipment- 1.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.28
- 10.) **2017 SAIDI** 50.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2017 SAIFI** 1.47

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)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 450
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 93.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 4.0%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.05
- 10.) **2017 SAIDI** 70.31
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.65
- 12.) **2017 SAIFI** 1.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1304
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave & S 20th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,613
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2017 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)** 16.94
- 10.) **2017 SAIDI** 1.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CANAL
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 2005 Northwestern Parkway - Louisville

3.) **CIRCUIT NAME AND NUMBER** CA1306

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave - W of Substation

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

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

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 67.9%
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- 32.1%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.79

10.) **2017 SAIDI** 48.20

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

12.) **2017 SAIFI** 2.47

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1341
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Market St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,042
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 62.3%
- Vehicle- 34.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.45
- 10.) **2017 SAIDI** **72.49**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.64
- 12.) **2017 SAIFI** **5.01**

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

Reliability Improvements Scheduled for 2018

1.) **SUBSTATION NAME AND NUMBER** CANAL
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 2005 Northwestern Parkway - Louisville

3.) **CIRCUIT NAME AND NUMBER** CA1342

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,172

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 1.5%
Non-Company- 0.0%
Other/Unknown- 0.0%
Overload- 0.0%
Planned Work- 0.1%
Trees- 0.0%
Utility Equipment- 79.2%
Vehicle- 19.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 130.20

10.) **2017 SAIDI** 198.12

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.96

12.) **2017 SAIFI** 5.05

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

Reliability Improvements Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1343
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Chestnut St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 18
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2017 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)** 175.94
- 10.) **2017 SAIDI** 62.56
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.65
- 12.) **2017 SAIFI** 1.78

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 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** 1,102
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2017 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)** 3.53
- 10.) **2017 SAIDI** 15.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32
- 12.) **2017 SAIFI** 1.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CROP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 116 N 26th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CB0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Duncan St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 635
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.6%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 8.0%
- Trees- 0.0%
- Utility Equipment- 91.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.04
- 10.) **2017 SAIDI** 21.34
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.78
- 12.) **2017 SAIFI** 2.17

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER CROP

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 116 N 26th St - Louisville

3.) CIRCUIT NAME AND NUMBER CB0004

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Louisville - W Market St - W of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 2.5

6.) CUSTOMER COUNT FOR THIS CIRCUIT 400

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

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.6%
- Non-Company- 0.0%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 6.1%
- Trees- 4.8%
- Utility Equipment- 2.3%
- Vehicle- 76.8%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 47.19

10.) 2017 SAIDI 94.96

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.30

12.) 2017 SAIFI 0.32

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

Continue to Monitor

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

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)** 57.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 983

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/08/2014

8.) **2017 OUTAGES BY CAUSE**

 Animal- 0.1%

 Construction- 0.0%

 Lightning- 2.1%

 Non-Company- 0.0%

 Other/Unknown- 13.8%

 Overload- 0.0%

 Planned Work- 0.3%

 Trees- 15.5%

 Utility Equipment- 68.2%

 Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 100.09

10.) **2017 SAIDI** **298.75**

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

12.) **2017 SAIFI** **3.45**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTERFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 4210 Hwy 393 - Centerfield
- 3.) **CIRCUIT NAME AND NUMBER** CF1203
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - S Camedn Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 60.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,138
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 1.1%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 94.9%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.33
- 10.) **2017 SAIDI** **131.18**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2017 SAIFI** **1.02**

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Oldham - 4210 Hwy 393 - Centerfield
- 3.) **CIRCUIT NAME AND NUMBER** CF1205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - Elder Park Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 785
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2008
- 8.) **2017 OUTAGES BY CAUSE**

 - Animal- 0.4%
 - Construction- 0.0%
 - Lightning- 19.9%
 - Non-Company- 1.4%
 - Other/Unknown- 9.6%
 - Overload- 0.0%
 - Planned Work- 1.1%
 - Trees- 31.7%
 - Utility Equipment- 23.0%
 - Vehicle- 12.9%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 172.01
- 10.) **2017 SAIDI** 161.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.25
- 12.) **2017 SAIFI** **3.36**
- 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)** 04/25/2013

8.) **2017 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)** 11.00
- 10.) **2017 SAIDI** **40.00**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2017 SAIFI** **1.00**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1226
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Lexington Rd, E Jefferson St, & E Muhammad Ali Blvd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,339
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.3%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 8.3%
 - Overload- 0.0%
 - Planned Work- 11.1%
 - Trees- 1.4%
 - Utility Equipment- 8.2%
 - Vehicle- 70.6%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.19
- 10.) **2017 SAIDI** 51.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.02
- 12.) **2017 SAIFI** 1.19
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1229
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Hite Ave, Birchwood Ave, & Cleveland Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,658
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 7.9%
 - Construction- 7.6%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 10.8%
 - Overload- 0.0%
 - Planned Work- 1.1%
 - Trees- 6.7%
 - Utility Equipment- 65.9%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.37
- 10.) **2017 SAIDI** 47.52
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.74
- 12.) **2017 SAIFI** 1.40
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1231
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Payne St, Grinstead Dr, & Lexington Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 670
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/11/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 4.0%
 - Construction- 0.0%
 - Lightning- 0.5%
 - Non-Company- 0.0%
 - Other/Unknown- 2.8%
 - Overload- 0.0%
 - Planned Work- 0.5%
 - Trees- 77.7%
 - Utility Equipment- 14.5%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.91
- 10.) **2017 SAIDI** 181.71
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.10
- 12.) **2017 SAIFI** 1.83
- 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)** 12.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,811
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.4%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 7.4%
 - Overload- 0.0%
 - Planned Work- 9.1%
 - Trees- 5.0%
 - Utility Equipment- 78.0%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.83
- 10.) **2017 SAIDI** 35.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.00
- 12.) **2017 SAIFI** 2.56
- 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)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 79
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2010

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 21.2%
- Non-Company- 28.1%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 7.4%
- Trees- 0.0%
- Utility Equipment- 43.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.58
- 10.) **2017 SAIDI** 32.35
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 12.) **2017 SAIFI** 1.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2010

8.) **2017 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)** 58.35
- 10.) **2017 SAIDI** 46.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.75
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1192
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Winchester Acres Rd & La Grange Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 693
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/08/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 5.1%
- Lightning- 9.9%
- Non-Company- 0.0%
- Other/Unknown- 8.6%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 34.7%
- Utility Equipment- 36.8%
- Vehicle- 1.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 145.53
- 10.) **2017 SAIDI** 240.35
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31
- 12.) **2017 SAIFI** 2.14
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1195
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Collins Ln, Westport Rd, & Northumberland Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,034
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 1.0%
- Lightning- 10.8%
- Non-Company- 11.3%
- Other/Unknown- 64.0%
- Overload- 0.0%
- Planned Work- 10.4%
- Trees- 0.0%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.26
- 10.) **2017 SAIDI** 8.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2017 SAIFI** 0.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1196
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd & Accomack Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 972
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/29/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 40.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 6.4%
- Trees- 0.0%
- Utility Equipment- 53.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.76
- 10.) **2017 SAIDI** 35.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2017 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1197
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - La Grange Rd, Reamers Rd, & Chamberlain Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,109
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/11/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.7%
- Lightning- 19.9%
- Non-Company- 0.0%
- Other/Unknown- 20.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 45.5%
- Utility Equipment- 7.6%
- Vehicle- 4.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.68
- 10.) **2017 SAIDI** 40.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2017 SAIFI** 0.41

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CANE RUN
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 5252 Cane Run Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** CR1420

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd - At Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 34

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 24.6%
Other/Unknown- 0.0%
Overload- 0.0%
Planned Work- 0.0%
Trees- 0.0%
Utility Equipment- 75.4%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 187.57

10.) **2017 SAIDI** 372.23

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

12.) **2017 SAIFI** 2.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANE RUN
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 5252 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CR1421
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Elmwood St, Lees Ln, & Campground Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2017 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)** 54.37
- 10.) **2017 SAIDI** 1.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CONESTOGA
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bullitt - 1365 N Buckman St. - Shepherdsville
- 3.) **CIRCUIT NAME AND NUMBER** CS1260
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Buckman St & N Preston Hwy - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 243
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/04/2017

8.) 2017 OUTAGES BY CAUSE

- Animal- 24.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 6.8%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 68.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.82
- 10.) **2017 SAIDI** **123.84**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.65
- 12.) **2017 SAIFI** **1.47**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CONESTOGA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bullitt - 1365 N Buckman St. - Shepherdsville
- 3.) **CIRCUIT NAME AND NUMBER** CS1262
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Buckman St & Mallard Lake Blvd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 376
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/04/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 54.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 28.3%
- Overload- 0.0%
- Planned Work- 17.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.59
- 10.) **2017 SAIDI** **170.49**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 12.) **2017 SAIFI** **1.27**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 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** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 4.8%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 95.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.14
- 10.) **2017 SAIDI** 11.31
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51
- 12.) **2017 SAIFI** 1.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CT0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave, Bank St, & N 28th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 404
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 19.2%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 1.5%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 75.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.04
- 10.) **2017 SAIDI** 114.57
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2017 SAIFI** 1.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRESTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1224
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - W HWY 146, Glenarm Rd, & Fox Run Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 48.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,895
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 2.2%
- Non-Company- 0.0%
- Other/Unknown- 31.3%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 5.0%
- Utility Equipment- 59.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.90
- 10.) **2017 SAIDI** 54.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.34
- 12.) **2017 SAIFI** 1.56

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

Reliability Improvements Scheduled for 2018

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

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)** 70.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,156

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/08/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 39.0%
- Overload- 0.0%
- Planned Work- 46.6%
- Trees- 10.5%
- Utility Equipment- 2.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.06

10.) **2017 SAIDI** 63.12

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

12.) **2017 SAIFI** 2.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1482
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, E Broadway, Logan St, Chestnut St, & Preston St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 7.0%
- Trees- 0.0%
- Utility Equipment- 93.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.83
- 10.) **2017 SAIDI** **21.69**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 12.) **2017 SAIFI** 0.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1487
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, Shelby St, & Bergman St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,018
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 45.5%
- Trees- 0.0%
- Utility Equipment- 54.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 134.40
- 10.) **2017 SAIDI** 635.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.96
- 12.) **2017 SAIFI** 3.93

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** DA1238
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Gold Smith Ln, & Peabody Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,769
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/30/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 14.2%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 2.0%
- Utility Equipment- 78.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.81
- 10.) **2017 SAIDI** 61.70
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2017 SAIFI** 1.10

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** DA1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, & Village Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,381
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 3.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.9%
- Overload- 0.0%
- Planned Work- 13.0%
- Trees- 5.4%
- Utility Equipment- 58.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.37
- 10.) **2017 SAIDI** **180.87**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.86
- 12.) **2017 SAIFI** **1.93**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAHLIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bon Air Ave, Gardiner Ln, & Goldsmith Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,645
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 7.9%
- Construction- 0.0%
- Lightning- 59.8%
- Non-Company- 0.0%
- Other/Unknown- 7.1%
- Overload- 0.0%
- Planned Work- 9.2%
- Trees- 10.4%
- Utility Equipment- 5.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 103.60
- 10.) **2017 SAIDI** 190.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.21
- 12.) **2017 SAIFI** 0.97

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** DE1409
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Magazine St, S 30th St, & W Broadway - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.09
- 10.) **2017 SAIDI** 121.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.53
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

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

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

3.) **CIRCUIT NAME AND NUMBER** DU0001

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dumesnil St, W Magnolia Ave, & S 13th St - S & E of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 46

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

8.) **2017 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)** 17.94

10.) **2017 SAIDI** 30.90

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

12.) **2017 SAIFI** 0.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DUMESNIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1309 Dumesnil St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DU0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 15th St, Wilson Ave, & W Kentucky St - W & N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 376
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.3%
- Overload- 0.0%
- Planned Work- 47.2%
- Trees- 0.0%
- Utility Equipment- 49.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.47
- 10.) **2017 SAIDI** 56.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2017 SAIFI** 0.75

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER ETHEL

 SUBSTATION LOCATION (COUNTY-ROAD-TOW Jefferson - 3532 Ethel Ave. - Louisville

3.) CIRCUIT NAME AND NUMBER ET1166

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Louisville - Old Shephardsville Rd, Bardstown Rd, & Bray Ave - N of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 5.7

6.) CUSTOMER COUNT FOR THIS CIRCUIT 629

7.) DATE OF LAST CIRCUIT TRIM (VM) 07/07/2010

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 25.0%
- Non-Company- 5.7%
- Other/Unknown- 4.6%
- Overload- 0.0%
- Planned Work- 4.8%
- Trees- 53.6%
- Utility Equipment- 6.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 60.76

10.) 2017 SAIDI 117.61

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.44

12.) 2017 SAIFI 0.69

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

Continue to Monitor

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

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

3.) **CIRCUIT NAME AND NUMBER** ET1169

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hikes Ln, Champ Trace Ln, & Bashford Manor Ln - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 700

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/24/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.4%
- Construction- 3.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.9%
- Overload- 0.0%
- Planned Work- 24.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 57.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 126.39

10.) **2017 SAIDI** **358.94**

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

12.) **2017 SAIFI** **2.12**

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 16000 Shelbyville Rd - Middletown

3.) **CIRCUIT NAME AND NUMBER** EW1243

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Eastwood Fisherville Rd & Shakes Creek Rd - SSE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 226

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/28/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 31.5%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 68.5%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.92

10.) **2017 SAIDI** 16.96

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

12.) **2017 SAIFI** 0.10

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 2428 Farnsley Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** FA1123

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Kramers Ln, Campground Rd, & Lees Ln - SW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 911

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 4.7%

Construction- 0.0%

Lightning- 6.8%

Non-Company- 0.0%

Other/Unknown- 4.2%

Overload- 0.0%

Planned Work- 17.3%

Trees- 66.2%

Utility Equipment- 0.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.68

10.) **2017 SAIDI** 81.50

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

12.) **2017 SAIFI** 1.32

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

Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1148
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd & Lees Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,110
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 12.9%
- Non-Company- 13.6%
- Other/Unknown- 30.0%
- Overload- 0.4%
- Planned Work- 9.5%
- Trees- 1.6%
- Utility Equipment- 30.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.50
- 10.) **2017 SAIDI** 51.66
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39
- 12.) **2017 SAIFI** 0.69

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crums Ln, Hillview Ave, & Garrs Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,346
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 5.9%
- Other/Unknown- 17.1%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 27.9%
- Utility Equipment- 46.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.01

10.) **2017 SAIDI** 188.59

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

12.) **2017 SAIFI** 3.24

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

Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** FALLS CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1048 S 43rd St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FC0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 43rd St, Virginia Ave, Southwestern PKY - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 321
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 2.2%
- Planned Work- 78.9%
- Trees- 2.1%
- Utility Equipment- 16.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.89
- 10.) **2017 SAIDI** 42.20
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.53
- 12.) **2017 SAIFI** 1.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FALLS CITY
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** 276
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015

8.) **2017 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)** 35.07
- 10.) **2017 SAIDI** 9.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2017 SAIFI** 1.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FALLS CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1048 S 43rd St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FC0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenwood Ave, S 45th St, & Garland Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 411
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 12.9%
- Non-Company- 0.0%
- Other/Unknown- 5.7%
- Overload- 0.0%
- Planned Work- 5.3%
- Trees- 7.9%
- Utility Equipment- 68.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 70.29
- 10.) **2017 SAIDI** 59.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2017 SAIFI** 1.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1210
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N Hurstbourne PKY, Whipps Mill Rd, & La Grange Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,259
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 6.5%
- Construction- 0.0%
- Lightning- 12.5%
- Non-Company- 0.0%
- Other/Unknown- 47.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 4.6%
- Utility Equipment- 13.2%
- Vehicle- 15.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.08
- 10.) **2017 SAIDI** 125.06
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.08
- 12.) **2017 SAIFI** 2.27
- 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)** 28.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,987
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/26/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 9.6%
- Lightning- 0.0%
- Non-Company- 2.6%
- Other/Unknown- 8.3%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 63.7%
- Utility Equipment- 12.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.83
- 10.) **2017 SAIDI** 69.61
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2017 SAIFI** 0.24

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)** 15.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 815
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 48.6%
- Overload- 15.5%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 35.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.06
- 10.) **2017 SAIDI** 21.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2017 SAIFI** 0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1495
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Floyd St, Burnett Ave, & Shelby St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,818
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2017 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)** 110.16
- 10.) **2017 SAIDI** 71.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2017 SAIFI** 1.19
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1497
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Floyd St & Crittenden Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 421
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 62.7%
- Construction- 18.8%
- Lightning- 0.0%
- Non-Company- 17.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 142.23
- 10.) **2017 SAIDI** 58.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.04
- 12.) **2017 SAIFI** 2.99

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1498
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S Floyd St & Byrne Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 137
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 12.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 82.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 103.81
- 10.) **2017 SAIDI** 14.83
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2017 SAIFI** 1.01
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FM1259
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fairmount Rd & Cedar Creek Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 766
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/25/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 28.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 52.6%
- Overload- 0.0%
- Planned Work- 7.2%
- Trees- 0.0%
- Utility Equipment- 11.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.38
- 10.) **2017 SAIDI** 42.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31
- 12.) **2017 SAIFI** 0.58

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FM1262
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd & Stone Breaker Rd - NNW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,062
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 4.4%
- Lightning- 1.3%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 34.1%
- Trees- 0.0%
- Utility Equipment- 20.5%
- Vehicle- 38.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.51
- 10.) **2017 SAIDI** 10.52
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2017 SAIFI** **1.08**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1137
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fern Valley Rd, Industrial Blvd, & Orange Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 431
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 1.1%
- Utility Equipment- 92.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.72
- 10.) **2017 SAIDI** 21.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2017 SAIFI** 0.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1141
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hanes Dr, Poplar Level Rd, & Rangeland Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,428
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 18.5%
- Utility Equipment- 1.6%
- Vehicle- 77.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 111.09
- 10.) **2017 SAIDI** **269.13**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.49
- 12.) **2017 SAIFI** **4.58**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 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** 1,508
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 42.3%
- Utility Equipment- 51.7%
- Vehicle- 0.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.58
- 10.) **2017 SAIDI** 77.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2017 SAIFI** 1.47

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

Trees Trimmed in 2017

1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 1256 Old Fern Valley Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** FV1145

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Lipps Ln, & Lone Oak Ave - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4

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

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.8%

Construction- 0.0%

Lightning- 22.2%

Non-Company- 0.1%

Other/Unknown- 1.3%

Overload- 0.0%

Planned Work- 20.9%

Trees- 8.0%

Utility Equipment- 11.7%

Vehicle- 34.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.18

10.) **2017 SAIDI** 162.33

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

12.) **2017 SAIFI** 3.31

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

Continue to Monitor

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

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 97.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.95
- 10.) **2017 SAIDI** 45.09
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44
- 12.) **2017 SAIFI** 1.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1478
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, & Standiford Ave/Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 119
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 47.5%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 22.0%
- Vehicle- 30.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.82
- 10.) **2017 SAIDI** **264.55**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.78
- 12.) **2017 SAIFI** **3.44**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GAULBERT
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2950 Wilson Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GA0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Catalpa St, Woodland Ave, & Hemlock St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 468
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 10.6%
 - Non-Company- 17.3%
 - Other/Unknown- 14.7%
 - Overload- 2.9%
 - Planned Work- 32.1%
 - Trees- 15.7%
 - Utility Equipment- 1.8%
 - Vehicle- 4.8%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.58
- 10.) **2017 SAIDI** 32.53
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28
- 12.) **2017 SAIFI** 0.37
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRAND
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1038 S 34th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GD0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Louis Coleman Jr Dr, Virginia Ave, & Kirby Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 581
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 54.2%
 - Overload- 0.0%
 - Planned Work- 5.4%
 - Trees- 0.0%
 - Utility Equipment- 40.4%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.28
- 10.) **2017 SAIDI** 25.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 12.) **2017 SAIFI** 0.28
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GILLIGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 35th Street & Gilligan Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 32nd St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 176
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/04/2016

8.) **2017 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- 93.7%
- Trees- 2.2%
- Utility Equipment- 4.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.33
- 10.) **2017 SAIDI** 7.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.11
- 12.) **2017 SAIFI** 1.16

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
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** 6

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2008

8.) **2017 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)** 237.00

10.) **2017 SAIDI** 1185.00

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

12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GOSS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1260 Goss Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GO0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Reasor Ave, E Burnett Ave, & Texas Avenue - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 688
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 7.7%
- Non-Company- 0.0%
- Other/Unknown- 66.7%
- Overload- 0.0%
- Planned Work- 21.9%
- Trees- 0.0%
- Utility Equipment- 3.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.24
- 10.) **2017 SAIDI** 23.99
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2017 SAIFI** 0.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1462
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bells Ln, Wilson Ave, & Millers Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,289
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 22.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 77.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.13
- 10.) **2017 SAIDI** 38.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.53
- 12.) **2017 SAIFI** 2.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1466
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 41st St & Bells Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.78
- 10.) **2017 SAIDI** 67.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 12.) **2017 SAIFI** 0.20

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)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 854
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/23/2015
- 8.) **2017 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- 99.9%
 - Trees- 0.0%
 - Utility Equipment- 0.1%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.55
- 10.) **2017 SAIDI** 54.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2017 SAIFI** 0.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 1830 Plantside Drive - Louisville

3.) **CIRCUIT NAME AND NUMBER** HB1142

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky, Taylorsville Rd, & Stony Brook Dr - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,029

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/08/2011

8.) **2017 OUTAGES BY CAUSE**

Animal- 5.1%

Construction- 0.9%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 54.4%

Overload- 0.0%

Planned Work- 7.5%

Trees- 8.5%

Utility Equipment- 21.2%

Vehicle- 2.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.36

10.) **2017 SAIDI** 16.87

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

12.) **2017 SAIFI** 0.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1145
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gateway Dr, Taylorsville Rd, & Greene Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,862
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.8%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 25.7%
 - Overload- 0.0%
 - Planned Work- 0.6%
 - Trees- 0.0%
 - Utility Equipment- 60.3%
 - Vehicle- 12.6%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 105.77
- 10.) **2017 SAIDI** 222.06
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.01
- 12.) **2017 SAIFI** 2.61
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
3.) **CIRCUIT NAME AND NUMBER** HB1149
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Plantside Dr, Production Dr, & Research Dr - E of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 44
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2015

8.) **2017 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)** 26.15
10.) **2017 SAIDI** 52.23
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
12.) **2017 SAIFI** 0.59

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

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

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.90
- 10.) **2017 SAIDI** 9.31
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.10
- 12.) **2017 SAIFI** 0.10
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 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)** 13.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 782
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/12/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 10.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.4%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 2.3%
- Utility Equipment- 76.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.92
- 10.) **2017 SAIDI** 54.01
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49
- 12.) **2017 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** HC1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Lexington Rd, Cannons Ln, & Old Cannons Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,301
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.7%
- Construction- 0.6%
- Lightning- 1.6%
- Non-Company- 0.0%
- Other/Unknown- 11.5%
- Overload- 0.0%
- Planned Work- 66.6%
- Trees- 8.5%
- Utility Equipment- 6.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.25
- 10.) **2017 SAIDI** 99.59
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.12
- 12.) **2017 SAIFI** 1.67

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

Reliability Improvements Completed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hillcrest Ave, Zorn Ave, & River Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,136
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/17/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 16.3%
- Trees- 77.0%
- Utility Equipment- 5.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 178.68

10.) **2017 SAIDI** 451.75

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

12.) **2017 SAIFI** 1.30

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

Reliability Improvements Completed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1434
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stilz Ave, Lexington Rd, & Alta Vista Rd - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2009

8.) **2017 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)** 17.64
- 10.) **2017 SAIDI** 34.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60
- 12.) **2017 SAIFI** 1.20
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1435
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hillcrest Ave, Zorn Ave, & Frankfort Ave - N & W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 39
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2009

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 289.92
- 10.) **2017 SAIDI** 16.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00
- 12.) **2017 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** HE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Amy Ave, W Market St, 39th, 40th, 41st, & 42nd St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 594
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.7%
- Overload- 0.0%
- Planned Work- 67.1%
- Trees- 0.0%
- Utility Equipment- 9.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.58

10.) **2017 SAIDI** 32.23

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

12.) **2017 SAIFI** 0.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Longest Ave, & Grinstead Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,904
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/26/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 4.0%
- Lightning- 23.4%
- Non-Company- 0.0%
- Other/Unknown- 2.7%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 39.8%
- Utility Equipment- 26.1%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.81
- 10.) **2017 SAIDI** 231.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.06
- 12.) **2017 SAIFI** 1.77

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

Trees Trimmed in 2017

1.) SUBSTATION NAME AND NUMBER HIGHLAND

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) 5.6

6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,486

7.) DATE OF LAST CIRCUIT TRIM (VM) 03/31/2017

8.) 2017 OUTAGES BY CAUSE

Animal- 3.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.6%

Overload- 0.0%

Planned Work- 1.8%

Trees- 41.4%

Utility Equipment- 51.2%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 89.75

10.) 2017 SAIDI 101.10

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.32

12.) 2017 SAIFI 1.35

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

Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 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** 1,167
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2008

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.5%
- Overload- 0.0%
- Planned Work- 64.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.30
- 10.) **2017 SAIDI** 55.82
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2017 SAIFI** 0.39
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1474
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Eastern Pky & Castlewood Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2017

8.) **2017 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- 84.4%
- Utility Equipment- 15.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 148.67
- 10.) **2017 SAIDI** 247.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.83
- 12.) **2017 SAIFI** 1.67
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2017

1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** HK1233

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

5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,167

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 18.2%

Overload- 0.0%

Planned Work- 7.3%

Trees- 34.6%

Utility Equipment- 39.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.14

10.) **2017 SAIDI** 53.64

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

12.) **2017 SAIFI** 0.39

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

Tree Trim Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1238
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Timber Bridge Dr & Fox Harbor Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 427
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/18/2014

8.) **2017 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- 0.2%
- Trees- 0.0%
- Utility Equipment- 99.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.87
- 10.) **2017 SAIDI** 177.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2017 SAIFI** 0.64
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	HARMONY LANDING	
	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)	14.1	
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	380	
7.)	DATE OF LAST CIRCUIT TRIM (VM)	07/30/2014	
8.)	2017 OUTAGES BY CAUSE		
		Animal- 0.0%	
		Construction- 0.0%	
		Lightning- 0.0%	
		Non-Company- 0.0%	
		Other/Unknown- 9.9%	
		Overload- 0.0%	
		Planned Work- 0.3%	
		Trees- 85.2%	
		Utility Equipment- 4.6%	
		Vehicle- 0.0%	
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		27.34
10.)	2017 SAIDI		31.36
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.10
12.)	2017 SAIFI		0.09
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
		Tree Trim Scheduled for 2018	

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1156
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - US 42, Harmony Landing Rd, & Hwy 1793 - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,174
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.1%
- Lightning- 7.1%
- Non-Company- 0.0%
- Other/Unknown- 3.9%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 76.0%
- Utility Equipment- 11.9%
- Vehicle- 0.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.13
- 10.) **2017 SAIDI** 113.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2017 SAIFI** 0.48

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

Tree Trim Scheduled for 2018

- 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)** 32.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,310
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2017
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.1%
 - Construction- 0.0%
 - Lightning- 1.4%
 - Non-Company- 0.0%
 - Other/Unknown- 1.3%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 94.7%
 - Utility Equipment- 2.5%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 240.66
- 10.) **2017 SAIDI** 190.01
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.63
- 12.) **2017 SAIFI** 2.30
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Trees Trimmed in 2017

- 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)** 31.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 484
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/10/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 37.7%
- Non-Company- 0.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 45.3%
- Utility Equipment- 14.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 208.61
- 10.) **2017 SAIDI** 441.19
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94
- 12.) **2017 SAIFI** 2.60

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

Trees Trimmed in 2017

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

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)** 6.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,706

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 11.6%
- Construction- 0.3%
- Lightning- 3.7%
- Non-Company- 1.8%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 11.4%
- Trees- 3.7%
- Utility Equipment- 67.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.39

10.) **2017 SAIDI** 99.91

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

12.) **2017 SAIFI** 1.43

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HANCOCK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 630 E Caldwell St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HN1201
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelby St, Logan St, & Barrett Ave - E & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 883
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.2%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 83.4%
- Trees- 1.7%
- Utility Equipment- 4.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.29
- 10.) **2017 SAIDI** 78.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2017 SAIFI** 1.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Logistics Dr, International Dr, & Riberport Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 40
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2017 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)** 17.49
- 10.) **2017 SAIDI** 38.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2017 SAIFI** 0.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** JEFFERSONTOWN
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 11412 Taylorsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** JT1121
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd, Neal Dr, & Watterson Trl - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,215
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 31.7%
- Non-Company- 1.6%
- Other/Unknown- 49.5%
- Overload- 0.0%
- Planned Work- 12.6%
- Trees- 0.0%
- Utility Equipment- 2.0%
- Vehicle- 1.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.56
- 10.) **2017 SAIDI** 20.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 12.) **2017 SAIFI** 0.35

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

Continue to Monitor

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

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

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

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

5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,451

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 2.3%

Construction- 4.1%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 72.7%

Overload- 0.0%

Planned Work- 3.9%

Trees- 0.0%

Utility Equipment- 17.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.55

10.) **2017 SAIDI** 17.87

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

12.) **2017 SAIFI** 1.06

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER JEFFERSONTOWN

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

3.) CIRCUIT NAME AND NUMBER JT1124

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Louisville - Ramblin Creek Rd, Rehl Rd, & Pope Lick Rd - NE of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 14.3

6.) CUSTOMER COUNT FOR THIS CIRCUIT 421

7.) DATE OF LAST CIRCUIT TRIM (VM) 06/30/2014

8.) 2017 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 15.1%

Overload- 0.0%

Planned Work- 2.3%

Trees- 24.7%

Utility Equipment- 58.0%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 35.46

10.) 2017 SAIDI 59.49

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.33

12.) 2017 SAIFI 0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** JEFFERSONTOWN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11412 Taylorsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** JT1126
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Heady Rd, Easum Rd, & Valley Park Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 48.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,391
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 86.7%
- Overload- 4.3%
- Planned Work- 0.2%
- Trees- 8.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.79
- 10.) **2017 SAIDI** 26.93
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2017 SAIFI** **0.29**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1156
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Strawberry Ln, Southside Dr, & National TPke - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,250
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 10.3%
- Non-Company- 0.0%
- Other/Unknown- 3.3%
- Overload- 0.0%
- Planned Work- 7.7%
- Trees- 63.5%
- Utility Equipment- 11.3%
- Vehicle- 2.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.51
- 10.) **2017 SAIDI** 65.15
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.98
- 12.) **2017 SAIFI** 0.35

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)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 302
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2016

8.) **2017 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)** 24.88
- 10.) **2017 SAIDI** **46.37**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 12.) **2017 SAIFI** **0.24**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 1130 Logan St, St Catherine St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LG0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelby St, E Oak St, & Bergman St - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 501
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 8.3%
- Trees- 0.0%
- Utility Equipment- 91.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.24
- 10.) **2017 SAIDI** **85.91**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2017 SAIFI** **1.17**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOGAN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 1130 Logan St, St Catherine St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LG0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - E Oak St, Reutlinger Ave, & Ellison Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 409
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 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- 68.3%
- Trees- 4.9%
- Utility Equipment- 0.0%
- Vehicle- 26.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.93
- 10.) **2017 SAIDI** 17.07
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2017 SAIFI** 0.20
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LYNN
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** 538

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 0.1%
Non-Company- 0.0%
Other/Unknown- 64.6%
Overload- 0.0%
Planned Work- 1.3%
Trees- 0.0%
Utility Equipment- 34.0%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.85

10.) **2017 SAIDI** 85.61

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

12.) **2017 SAIFI** 0.37

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St & Gernert Ct - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 499
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 16.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 45.8%
- Overload- 0.0%
- Planned Work- 5.1%
- Trees- 19.3%
- Utility Equipment- 13.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.88
- 10.) **2017 SAIDI** 24.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2017 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOCUST
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1190
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hess Ln, Poplar Level Rd, & Sheridan Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,242
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2011

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.9%
- Construction- 0.0%
- Lightning- 2.4%
- Non-Company- 5.6%
- Other/Unknown- 7.6%
- Overload- 0.0%
- Planned Work- 9.1%
- Trees- 21.8%
- Utility Equipment- 43.4%
- Vehicle- 5.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.88
- 10.) **2017 SAIDI** 177.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2017 SAIFI** 2.34
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOCUST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 56
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2011

8.) **2017 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)** 35.85
- 10.) **2017 SAIDI** **39.29**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73
- 12.) **2017 SAIFI** **1.02**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOCUST
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1192
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Crittenden Dr, & Boxley Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,282
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/07/2010

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 11.5%
- Non-Company- 0.0%
- Other/Unknown- 10.9%
- Overload- 0.0%
- Planned Work- 37.1%
- Trees- 0.8%
- Utility Equipment- 36.7%
- Vehicle- 0.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 122.77
- 10.) **2017 SAIDI** **235.48**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18
- 12.) **2017 SAIFI** **2.32**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOCUST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1193
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Belmar Dr, & Phillips Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,292
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/07/2010

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.8%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 4.7%
- Utility Equipment- 71.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.88
- 10.) **2017 SAIDI** 85.71
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.05
- 12.) **2017 SAIFI** **2.17**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 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)** 5.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 439
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.1%
- Overload- 0.0%
- Planned Work- 26.2%
- Trees- 58.3%
- Utility Equipment- 0.0%
- Vehicle- 10.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.62
- 10.) **2017 SAIDI** 92.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26
- 12.) **2017 SAIFI** 0.56

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 386
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 94.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.80
- 10.) **2017 SAIDI** 33.92
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2017 SAIFI** 0.57

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1248
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Whipps Mill Rd, Ormsby Station Rd, & Shelbyville Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 535
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2017
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 1.5%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.5%
 - Other/Unknown- 0.1%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 85.6%
 - Utility Equipment- 12.3%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 106.59
- 10.) **2017 SAIDI** 115.48
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.38
- 12.) **2017 SAIFI** 0.49
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Trees Trimmed in 2017

- 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)** 24.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,151
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/27/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 8.7%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 5.5%
- Overload- 0.3%
- Planned Work- 28.6%
- Trees- 37.2%
- Utility Equipment- 17.9%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 97.46
- 10.) **2017 SAIDI** 179.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2017 SAIFI** 0.91

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

Reliability Improvements Completed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8407 LaGrange Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LY1163
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Railroad Ave, Lyndon Ln, & Westport Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,247
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/11/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.4%
- Construction- 3.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 7.3%
- Trees- 9.5%
- Utility Equipment- 5.0%
- Vehicle- 70.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.14
- 10.) **2017 SAIDI** 11.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2017 SAIFI** **1.12**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - LGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 14660 Dixie Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MC1262
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Watson Ln, Galston Blvd, & Dixie Hwy - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,280
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/08/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 30.0%
- Construction- 0.0%
- Lightning- 52.2%
- Non-Company- 0.0%
- Other/Unknown- 3.1%
- Overload- 0.0%
- Planned Work- 12.6%
- Trees- 1.3%
- Utility Equipment- 0.2%
- Vehicle- 0.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.25
- 10.) **2017 SAIDI** 128.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.79
- 12.) **2017 SAIFI** 2.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MADISON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 635 E Madison - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MD1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Madison St, Wenzel St, Baxter Ave, & Lexington Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 17
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015

8.) **2017 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)** 89.76
- 10.) **2017 SAIDI** 74.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MADISON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 635 E Madison - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MD1452
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, E Main St, & River Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 417
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 0.0%
- Utility Equipment- 96.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.80
- 10.) **2017 SAIDI** **177.20**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2017 SAIFI** **0.91**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chestnut St, Quest Dr, & Muhammad Ali Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 331
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.61
- 10.) **2017 SAIDI** 26.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16
- 12.) **2017 SAIFI** 0.12

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 646 S 13th St. - Louisville

3.) **CIRCUIT NAME AND NUMBER** MG0417

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 15th St, Cedar St, Chestnut St, 18th & 19th St - NW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 721

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

8.) **2017 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- 0.7%

Trees- 97.0%

Utility Equipment- 2.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.70

10.) **2017 SAIDI** 270.58

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

12.) **2017 SAIFI** 1.12

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

Continue to Monitor

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

8.) **2017 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)** 40.90
- 10.) **2017 SAIDI** 48.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2017 SAIFI** 0.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG1329
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway, 9th St, 8th St, 7th St, & 5th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 122
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.4%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 0.0%
 - Utility Equipment- 99.6%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.42
- 10.) **2017 SAIDI** 80.42
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31
- 12.) **2017 SAIFI** 0.92
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop & National Tpike - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,329
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 16.3%
- Overload- 0.0%
- Planned Work- 12.8%
- Trees- 30.7%
- Utility Equipment- 40.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.07
- 10.) **2017 SAIDI** 79.73
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51
- 12.) **2017 SAIFI** 0.72

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd and Brown Austin Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,233
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 1.6%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 97.3%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.34
- 10.) **2017 SAIDI** 63.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2017 SAIFI** 0.29

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** 1,778
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/07/2017
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 10.1%
 - Construction- 6.3%
 - Lightning- 18.8%
 - Non-Company- 0.0%
 - Other/Unknown- 45.9%
 - Overload- 3.6%
 - Planned Work- 9.5%
 - Trees- 5.5%
 - Utility Equipment- 0.4%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.12
- 10.) **2017 SAIDI** 63.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2017 SAIFI** 0.66
- 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** 585
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/29/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.8%
- Other/Unknown- 54.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 2.5%
- Utility Equipment- 21.5%
- Vehicle- 18.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 124.94
- 10.) **2017 SAIDI** 130.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.27
- 12.) **2017 SAIFI** 2.00

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** MK1299
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Arnold Town Rd, Timber Hills Rd, & St Andrews Church Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 788
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2013
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 5.8%
 - Overload- 0.0%
 - Planned Work- 1.0%
 - Trees- 82.4%
 - Utility Equipment- 10.7%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.79
- 10.) **2017 SAIDI** 151.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.07
- 12.) **2017 SAIFI** 0.48
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1282
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mud Ln, Blue Lick Rd, Vanguard Dr & Caven Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,522
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2017
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.3%
 - Construction- 0.0%
 - Lightning- 0.2%
 - Non-Company- 3.8%
 - Other/Unknown- 0.6%
 - Overload- 0.0%
 - Planned Work- 0.3%
 - Trees- 64.2%
 - Utility Equipment- 17.1%
 - Vehicle- 13.5%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.19
- 10.) **2017 SAIDI** 113.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2017 SAIFI** 0.66
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Trees Trimmed in 2017

1.) **SUBSTATION NAME AND NUMBER** MUD LANE

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)** 26.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,591

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 7.2%
- Other/Unknown- 53.2%
- Overload- 0.0%
- Planned Work- 4.9%
- Trees- 0.5%
- Utility Equipment- 22.4%
- Vehicle- 8.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.60

10.) **2017 SAIDI** 85.44

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

12.) **2017 SAIFI** 0.99

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 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)** 45.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,198
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.6%
 - Construction- 0.7%
 - Lightning- 6.0%
 - Non-Company- 0.6%
 - Other/Unknown- 25.1%
 - Overload- 0.0%
 - Planned Work- 7.2%
 - Trees- 1.8%
 - Utility Equipment- 19.9%
 - Vehicle- 38.1%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.90
- 10.) **2017 SAIDI** **35.13**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37
- 12.) **2017 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)** 35.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,567
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/14/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 75.8%
 - Construction- 0.0%
 - Lightning- 0.2%
 - Non-Company- 0.0%
 - Other/Unknown- 15.8%
 - Overload- 0.0%
 - Planned Work- 1.4%
 - Trees- 0.0%
 - Utility Equipment- 6.8%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.32
- 10.) **2017 SAIDI** 82.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 12.) **2017 SAIFI** 1.43
- 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** 563
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2013
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 1.5%
 - Construction- 0.0%
 - Lightning- 40.3%
 - Non-Company- 0.0%
 - Other/Unknown- 6.0%
 - Overload- 0.0%
 - Planned Work- 1.5%
 - Trees- 0.0%
 - Utility Equipment- 48.2%
 - Vehicle- 2.4%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.31
- 10.) **2017 SAIDI** 13.57
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.78
- 12.) **2017 SAIFI** 1.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

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

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 8.2%
- Non-Company- 0.0%
- Other/Unknown- 36.5%
- Overload- 0.0%
- Planned Work- 7.7%
- Trees- 0.0%
- Utility Equipment- 46.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.53
- 10.) **2017 SAIDI** 73.09
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2017 SAIFI** 1.97

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1268
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln, Manner Dale Dr, & Klondike Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,939
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.8%
- Overload- 0.0%
- Planned Work- 9.3%
- Trees- 53.7%
- Utility Equipment- 26.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.33
- 10.) **2017 SAIDI** **81.83**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.72
- 12.) **2017 SAIFI** 0.40

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

Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** OLD HENRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 13601 Terra View Trail - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OH1173
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Henry Rd and Factory Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,547
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/24/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 10.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 29.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 2.4%
- Utility Equipment- 57.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.43
- 10.) **2017 SAIDI** **13.85**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2017 SAIFI** **0.17**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, St. Rita Dr, & High School Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 793
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 15.3%
- Trees- 74.9%
- Utility Equipment- 2.0%
- Vehicle- 1.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.19
- 10.) **2017 SAIDI** 57.96
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2017 SAIFI** 0.39
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** ORMSBY
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - Rear of 436 E Ormsby Jackson St - Louisville

3.) **CIRCUIT NAME AND NUMBER** OR0002

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

5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 124

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

8.) **2017 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)** 14.28

10.) **2017 SAIDI** 2.23

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

12.) **2017 SAIFI** 0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1274
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Oxmoore Ln, Bramton Rd, & Sherburn Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,257
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.8%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 1.0%
 - Overload- 0.0%
 - Planned Work- 1.8%
 - Trees- 7.6%
 - Utility Equipment- 88.8%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.79
- 10.) **2017 SAIDI** 129.34
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.49
- 12.) **2017 SAIFI** 1.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

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

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)** 12.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,466

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.2%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 15.9%
- Utility Equipment- 68.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.80

10.) **2017 SAIDI** 157.85

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

12.) **2017 SAIFI** 2.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PIRTLE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 1506 W Main St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PI0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, S 12th St, & W Main St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 134
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2016

8.) **2017 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- 0.2%
- Trees- 0.0%
- Utility Equipment- 1.0%
- Vehicle- 98.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.73
- 10.) **2017 SAIDI** 2.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2017 SAIFI** **1.02**

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER PIRTLE

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 539

7.) DATE OF LAST CIRCUIT TRIM (VM) 04/07/2016

8.) 2017 OUTAGES BY CAUSE

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.0%
- Overload- 1.1%
- Planned Work- 2.5%
- Trees- 0.0%
- Utility Equipment- 24.3%
- Vehicle- 62.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 95.93

10.) 2017 SAIDI 206.98

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.61

12.) 2017 SAIFI 1.49

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PIRTLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 1506 W Main St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Main St, 15th St, Rowan St, & Portland Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 578
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2016
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 0.5%
 - Trees- 3.2%
 - Utility Equipment- 1.0%
 - Vehicle- 95.2%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.23
- 10.) **2017 SAIDI** 250.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56
- 12.) **2017 SAIFI** 1.24
- 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** 322
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 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)** 45.47
- 10.) **2017 SAIDI** **112.00**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2017 SAIFI** **1.00**

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE

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** 2,504

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/16/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 34.9%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 20.8%
- Overload- 16.2%
- Planned Work- 10.2%
- Trees- 3.8%
- Utility Equipment- 13.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.57

10.) **2017 SAIDI** 50.48

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

12.) **2017 SAIFI** 2.56

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Greenwood Rd, Sky Blue Ave, & Galaxie Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,681
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2014
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 8.8%
 - Construction- 0.4%
 - Lightning- 9.6%
 - Non-Company- 0.0%
 - Other/Unknown- 4.4%
 - Overload- 0.1%
 - Planned Work- 2.0%
 - Trees- 19.5%
 - Utility Equipment- 7.5%
 - Vehicle- 47.7%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.54
- 10.) **2017 SAIDI** 88.66
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
- 12.) **2017 SAIFI** 0.70
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Reliability Improvements Scheduled for 2018

- 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** 84
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2014
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 0.0%
 - Utility Equipment- 100.0%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.06
- 10.) **2017 SAIDI** 13.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 12.) **2017 SAIFI** 0.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1274
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Lower Hunters Trace, & Flintlock Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,369
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 0.0%
- Utility Equipment- 92.3%
- Vehicle- 5.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.18
- 10.) **2017 SAIDI** 50.92
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.58
- 12.) **2017 SAIFI** 1.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

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

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.90
- 10.) **2017 SAIDI** 63.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37
- 12.) **2017 SAIFI** 0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 02/21/2015

8.) **2017 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- 68.6%
- Trees- 0.0%
- Utility Equipment- 31.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.33
- 10.) **2017 SAIDI** **81.85**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48
- 12.) **2017 SAIFI** 0.23
- 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** PV1252
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & Moser Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,240
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

- Animal- 3.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.9%
- Overload- 0.0%
- Planned Work- 21.5%
- Trees- 0.0%
- Utility Equipment- 38.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.49
- 10.) **2017 SAIDI** 75.34
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.13
- 12.) **2017 SAIFI** 0.63

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

Reliability Improvements Completed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Louisville - 1231 S 7th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ave, 6th St, & 4th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 422
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 14.1%
- Planned Work- 50.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 35.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.94
- 10.) **2017 SAIDI** 25.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 12.) **2017 SAIFI** 0.18

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER SEVENTH

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Louisville - 1231 S 7th St - Louisville

3.) CIRCUIT NAME AND NUMBER SE0003

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Louisville - 7th St, Hill St, 6th St, & Shipp Ave - S of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 4.0

6.) CUSTOMER COUNT FOR THIS CIRCUIT 405

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

8.) 2017 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- 37.5%

Trees- 0.0%

Utility Equipment- 54.5%

Vehicle- 0.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 23.73

10.) 2017 SAIDI 52.78

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.21

12.) 2017 SAIFI 0.26

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1283
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Elderwood Way & Crums Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2017

8.) **2017 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)** 69.40
- 10.) **2017 SAIDI** 70.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44
- 12.) **2017 SAIFI** 0.11

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.) **2017 OUTAGES BY CAUSE**

- Animal- 6.0%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 53.8%
- Overload- 0.0%
- Planned Work- 12.7%
- Trees- 20.3%
- Utility Equipment- 1.9%
- Vehicle- 3.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.73
- 10.) **2017 SAIDI** 54.15
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48
- 12.) **2017 SAIFI** 1.23

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)** 148.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,392
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 16.6%
- Non-Company- 0.0%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 10.7%
- Utility Equipment- 67.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 314.90
- 10.) **2017 SAIDI** 449.83
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.55
- 12.) **2017 SAIFI** 2.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1231
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Phillips Ln, & Park Blvd - N & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 132
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 10.6%
- Trees- 0.0%
- Utility Equipment- 68.2%
- Vehicle- 15.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.88

10.) **2017 SAIDI** 53.51

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

12.) **2017 SAIFI** 1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 2,334
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 6.1%
- Construction- 0.0%
- Lightning- 1.9%
- Non-Company- 5.4%
- Other/Unknown- 23.2%
- Overload- 0.0%
- Planned Work- 3.3%
- Trees- 7.2%
- Utility Equipment- 0.5%
- Vehicle- 52.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.51
- 10.) **2017 SAIDI** 86.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.10
- 12.) **2017 SAIFI** 1.48
- 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)** 12.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,265
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.4%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 83.7%
- Utility Equipment- 6.3%
- Vehicle- 2.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.24
- 10.) **2017 SAIDI** 99.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.30
- 12.) **2017 SAIFI** 1.29
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1362
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Phillips Ln, & Air Freight Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 18
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 34.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 65.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.41
- 10.) **2017 SAIDI** 106.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2017 SAIFI** 2.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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** 10
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 23.5%
- Planned Work- 14.7%
- Trees- 0.0%
- Utility Equipment- 61.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.34
- 10.) **2017 SAIDI** 62.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 12.) **2017 SAIFI** 0.40
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 3908 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SN0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 39th St, River Park Dr, & Louis Coleman Jr Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 675
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.1%
- Overload- 0.0%
- Planned Work- 26.9%
- Trees- 0.0%
- Utility Equipment- 27.8%
- Vehicle- 34.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.02
- 10.) **2017 SAIDI** **43.36**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2017 SAIFI** **0.37**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE
- 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** 531
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 22.0%
- Overload- 4.3%
- Planned Work- 7.0%
- Trees- 0.0%
- Utility Equipment- 66.5%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.91
- 10.) **2017 SAIDI** 42.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26
- 12.) **2017 SAIFI** 0.38

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK

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)** 9.6

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

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.6%

Overload- 0.0%

Planned Work- 0.0%

Trees- 36.3%

Utility Equipment- 61.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.00

10.) **2017 SAIDI** 91.33

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

12.) **2017 SAIFI** 1.12

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 1412 Fairdale Rd. - Louisville

3.) **CIRCUIT NAME AND NUMBER** SP1115

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - National Tpke, Glengarry Dr, & Grange Rd - NW & S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,531

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/24/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 35.4%

Overload- 0.0%

Planned Work- 0.3%

Trees- 2.7%

Utility Equipment- 0.1%

Vehicle- 61.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 166.95

10.) **2017 SAIDI** 302.26

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

12.) **2017 SAIFI** 2.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1412 Fairdale Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SP1116
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fairdale Rd, Mt Holly Rd, Mitchell Hill Rd, & Holsclaw Hill Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 41.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,101
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.2%
 - Construction- 0.4%
 - Lightning- 6.5%
 - Non-Company- 0.0%
 - Other/Unknown- 1.9%
 - Overload- 0.0%
 - Planned Work- 7.8%
 - Trees- 25.3%
 - Utility Equipment- 4.0%
 - Vehicle- 53.8%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 130.51
- 10.) **2017 SAIDI** 195.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.39
- 12.) **2017 SAIFI** 1.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHEPHERDSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bullitt - 1706 4th St. - Shepardsville
- 3.) **CIRCUIT NAME AND NUMBER** SV1121
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Hwy 44, Blue Lick Rd, & Buckman St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 985
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/04/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 4.5%
- Non-Company- 0.0%
- Other/Unknown- 46.5%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 44.1%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.69
- 10.) **2017 SAIDI** 70.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2017 SAIFI** 0.31

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

Trees Trimmed in 2017

1.)	SUBSTATION NAME AND NUMBER	STEWART	
	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)	13.9	
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	2,048	
7.)	DATE OF LAST CIRCUIT TRIM (VM)	10/05/2013	
8.)	2017 OUTAGES BY CAUSE		
		Animal- 6.3%	
		Construction- 0.0%	
		Lightning- 0.2%	
		Non-Company- 0.0%	
		Other/Unknown- 5.8%	
		Overload- 0.0%	
		Planned Work- 6.7%	
		Trees- 70.2%	
		Utility Equipment- 8.9%	
		Vehicle- 2.0%	
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		47.33
10.)	2017 SAIDI		64.90
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.44
12.)	2017 SAIFI		0.46
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
		Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 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)** 26.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,886
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 6.4%
- Non-Company- 0.0%
- Other/Unknown- 37.6%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 5.1%
- Utility Equipment- 50.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.06
- 10.) **2017 SAIDI** **64.70**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.25
- 12.) **2017 SAIFI** 0.55

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1251
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Smyrna Pky, Michael Ray Dr, & Lantana Dr - NW & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,465
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/23/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.4%
- Utility Equipment- 96.4%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.16
- 10.) **2017 SAIDI** 255.69
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32
- 12.) **2017 SAIFI** 0.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1252
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cooper Chapel Rd, McNeely Lake Dr, & Beulah Church Rd - SW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 36.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,337
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 37.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 26.4%
- Utility Equipment- 29.1%
- Vehicle- 4.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.36
- 10.) **2017 SAIDI** 14.08
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1253
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Cinderella Ln, & Shepherdsville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,553
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.9%
- Trees- 2.0%
- Utility Equipment- 85.6%
- Vehicle- 6.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.00
- 10.) **2017 SAIDI** 58.70
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36
- 12.) **2017 SAIFI** 0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1254
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Vaughn Mill Rd, Outer Loop & Smyrna Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,206
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/26/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 2.5%
- Non-Company- 0.0%
- Other/Unknown- 9.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 5.8%
- Utility Equipment- 9.4%
- Vehicle- 71.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.78
- 10.) **2017 SAIDI** 117.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.78
- 12.) **2017 SAIFI** 1.64
- 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)** 24.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,492
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 3.4%
- Construction- 2.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.8%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 16.7%
- Utility Equipment- 68.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.68
- 10.) **2017 SAIDI** 138.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2017 SAIFI** 0.72

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1130
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hubbards Ln, Shelbyville Rd, & Browns Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,635
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 59.5%
- Construction- 0.0%
- Lightning- 17.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 10.2%
- Trees- 0.9%
- Utility Equipment- 11.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 138.27
- 10.) **2017 SAIDI** 156.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.69
- 12.) **2017 SAIFI** 1.16
- 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** TA1132
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Country Ln, & Country Club Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 546
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.7%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 0.0%
- Utility Equipment- 95.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 139.75
- 10.) **2017 SAIDI** 195.14
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94
- 12.) **2017 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Winding Bluff Trce, I264, & Blankenbaker Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,139
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.8%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 26.6%
 - Overload- 0.0%
 - Planned Work- 1.0%
 - Trees- 59.4%
 - Utility Equipment- 12.2%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.01
- 10.) **2017 SAIDI** 130.89
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2017 SAIFI** 0.66
- 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** TA1138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Chenoweth Ln, Canoe Ln, & Wampum Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 570
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/04/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 15.3%
- Trees- 58.6%
- Utility Equipment- 24.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 137.97
- 10.) **2017 SAIDI** 195.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.93
- 12.) **2017 SAIFI** 1.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Terry Rd, Greenwood Rd, & Westbrook Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,672
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/03/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.7%
- Lightning- 0.0%
- Non-Company- 11.5%
- Other/Unknown- 16.1%
- Overload- 0.0%
- Planned Work- 4.8%
- Trees- 0.0%
- Utility Equipment- 65.6%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.68
- 10.) **2017 SAIDI** 100.84
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59
- 12.) **2017 SAIFI** 1.52

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** TT3311
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - Hwy 1638, Railroad Trestle Rd, & Katherine Station Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 697
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/29/2014

8.) **2017 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)** 71.36
- 10.) **2017 SAIDI** 114.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22
- 12.) **2017 SAIFI** 1.76

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER WESTERN

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 2807 W Broadway - Louisville

3.) CIRCUIT NAME AND NUMBER WE0002

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Louisville - Broadway, Louis Coleman Jr Dr, & 35th St - W of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 2.7

6.) CUSTOMER COUNT FOR THIS CIRCUIT 363

7.) DATE OF LAST CIRCUIT TRIM (VM) 03/26/2016

8.) 2017 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.5%

Trees- 0.0%

Utility Equipment- 68.8%

Vehicle- 30.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 64.56

10.) 2017 SAIDI 167.39

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.61

12.) 2017 SAIFI 1.72

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Broadway, 24th, 234d, 22nd, & Dr W J Hodge St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 436
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.7%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 6.4%
- Vehicle- 91.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.53
- 10.) **2017 SAIDI** 65.15
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56
- 12.) **2017 SAIFI** 1.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WHAS
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)** 37.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 942
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/19/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.4%
- Lightning- 2.9%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 29.7%
- Trees- 0.2%
- Utility Equipment- 20.0%
- Vehicle- 45.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.08
- 10.) **2017 SAIDI** **47.81**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2017 SAIFI** **0.77**

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)** 23.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,073
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 17.2%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 14.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.5%
- Utility Equipment- 64.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.33
- 10.) **2017 SAIDI** **27.71**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
- 12.) **2017 SAIFI** **1.20**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

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

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)** 18.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 943

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/18/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.5%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 10.9%

Overload- 0.0%

Planned Work- 2.3%

Trees- 7.6%

Utility Equipment- 78.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.39

10.) **2017 SAIDI** 62.99

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

12.) **2017 SAIFI** 0.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEST POINT
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - Crop St and I-C Railroad - West Point
- 3.) **CIRCUIT NAME AND NUMBER** WP1104
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** West Point - Main St, Dixie Hwy, 16th St, & Private Rd - W, SW & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 725
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.1%
- Lightning- 28.8%
- Non-Company- 0.0%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 13.4%
- Trees- 2.7%
- Utility Equipment- 43.9%
- Vehicle- 7.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 193.54

10.) **2017 SAIDI** 219.48

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.54

12.) **2017 SAIFI** 1.63

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** WS1308
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St & 1st St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2016

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.95
- 10.) **2017 SAIDI** **101.00**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2017 SAIFI** **1.00**

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER WATERSIDE

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jefferson - 221 North Third St. - Louisville

3.) CIRCUIT NAME AND NUMBER WS1332

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Louisville - S 2nd St, Jefferson St, and W Muhammad Ali Blvd - S of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 2.6

6.) CUSTOMER COUNT FOR THIS CIRCUIT 63

7.) DATE OF LAST CIRCUIT TRIM (VM) 04/07/2016

8.) 2017 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) 7.50

10.) 2017 SAIDI 8.00

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.00

12.) 2017 SAIFI 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1155
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky, Watterson Trl, & Glaser Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,701
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/26/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 5.3%
- Construction- 3.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.3%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 42.0%
- Utility Equipment- 37.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.32
- 10.) **2017 SAIDI** **106.60**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 12.) **2017 SAIFI** **0.64**

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

Trees Trimmed in 2017

- 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)** 25.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,507
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/29/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.4%
- Construction- 0.0%
- Lightning- 1.0%
- Non-Company- 28.4%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 11.8%
- Trees- 0.3%
- Utility Equipment- 50.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.32
- 10.) **2017 SAIDI** **52.65**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48
- 12.) **2017 SAIFI** 0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1212
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stony Brook Dr, Guttenberg Rd, & Billtown Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,423
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/29/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 12.0%
- Construction- 2.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 9.8%
- Trees- 69.5%
- Utility Equipment- 2.8%
- Vehicle- 1.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.08
- 10.) **2017 SAIDI** 75.30
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.58
- 12.) **2017 SAIFI** 1.17

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

Trees Trimmed in 2017

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 – 4.81 years

LGE Tree SAIDI – 14.87 minutes

LGE Tree SAIFI – 0.087

LGE Tree CAIDI – 171.2 minutes

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

Adjustments made to the tree plan in 2017 included

No changes made to plan.

Changes to be implemented in 2018

No changes made to plan. Continue to focus on hazard tree program.

SECTION 7: UTILITY COMMENTS

SAIDI, SAIFI and CAIDI all improved in 2017 compared to the previous 5 year average including major events. 224 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2017.