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PUBLIC SERVICE
COMMISSION

Dr. Talina R. Mathews
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, 2017

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

Dear Dr. Mathews:

Enclosed please find Louisville Gas and Electric Company's ("LG&E") 2016 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 2016 Annual Reliability Report for LG&E in Excel format.

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

Sincerely,

Rick E. Lovekamp

KENTUCKY PUBLIC SERVICE COMMISSION
ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 1: CONTACT INFORMATION

UTILITY NAME	LOUISVILLE GAS AND ELECTRIC
REPORT PREPARED BY	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	2016
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SECTION 3: MAJOR EVENT DAYS (MED)

	T_{MED}
FIRST DATE USED TO DETERMINE T_{MED}	3.573
LAST DATE USED TO DETERMINE T_{MED}	1/1/2011
NUMBER OF MED IN REPORTING YEAR	12/31/2015
	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>416,615</u>	TOTAL CIRCUITS <u>555</u>
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Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>83.63</u>	SAIDI	<u>73.03</u>
SAIFI	<u>0.991</u>	SAIFI	<u>0.861</u>

Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>236.19</u>	SAIDI	<u>89.70</u>
SAIFI	<u>1.305</u>	SAIFI	<u>0.936</u>

Notes:

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

SECTION 5: CIRCUIT REPORTING

BEGIN ON NEXT PAGE

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1202
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greentree Ln & Dixie Hwy - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,631
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/14/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 85.5%
- Utility Equipment- 9.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.22
- 10.) **2016 SAIDI** 124.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.54
- 12.) **2016 SAIFI** 1.24
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,231
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/28/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.3%
- Lightning- 6.1%
- Non-Company- 0.0%
- Other/Unknown- 59.1%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 12.2%
- Utility Equipment- 16.0%
- Vehicle- 0.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.81
- 10.) **2016 SAIDI** 122.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2016 SAIFI** 2.17
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Valley Station Rd & Dodge Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,235
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.6%
- Other/Unknown- 53.9%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 2.0%
- Utility Equipment- 40.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.77
- 10.) **2016 SAIDI** 197.42
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.20
- 12.) **2016 SAIFI** 1.49
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1206
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Valley Station Rd & 3rd St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,330
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/11/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 1.5%
- Non-Company- 0.0%
- Other/Unknown- 2.7%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 93.6%
- Utility Equipment- 0.8%
- Vehicle- 0.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 136.70
- 10.) **2016 SAIDI** 198.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94
- 12.) **2016 SAIFI** 1.24
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & Bellewood Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,188
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 46.8%
- Utility Equipment- 42.1%
- Vehicle- 8.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.88
- 10.) **2016 SAIDI** 74.34
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.07
- 12.) **2016 SAIFI** **1.19**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,371
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 29.2%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 37.3%
- Utility Equipment- 12.0%
- Vehicle- 14.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.89
- 10.) **2016 SAIDI** 98.70
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66
- 12.) **2016 SAIFI** 0.87
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Shelbyville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 491
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 11.8%
- Construction- 0.0%
- Lightning- 12.2%
- Non-Company- 0.0%
- Other/Unknown- 21.9%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 3.3%
- Utility Equipment- 50.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.44
- 10.) **2016 SAIDI** **153.97**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.93
- 12.) **2016 SAIFI** **1.49**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1295
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N English Station Rd & Avoca Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 775
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 28.9%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 23.6%
- Utility Equipment- 41.9%
- Vehicle- 2.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.80
- 10.) **2016 SAIDI** 103.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.53
- 12.) **2016 SAIFI** **2.01**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1373
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 12 St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 23
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/03/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 96.4%
- Trees- 0.0%
- Utility Equipment- 3.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.55
- 10.) **2016 SAIDI** 34.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32
- 12.) **2016 SAIFI** 0.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 52
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/12/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 64.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.0%
- Overload- 0.0%
- Planned Work- 19.9%
- Trees- 0.0%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.47
- 10.) **2016 SAIDI** 89.82
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.44
- 12.) **2016 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** AL1443
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 13th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 568
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/14/2011

8.) **2016 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)** 7.51
- 10.) **2016 SAIDI** 25.89
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2016 SAIFI** 1.33
- 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-TOW)** Jefferson - 8113 Grade Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AS1418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 53
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 52.9%
- Overload- 0.0%
- Planned Work- 17.8%
- Trees- 0.0%
- Utility Equipment- 29.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.41
- 10.) **2016 SAIDI** 25.90
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2016 SAIFI** 0.10
- 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-TOW** 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** 840
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/22/2011
- 8.) **2016 OUTAGES BY CAUSE**
 - Animal- 9.0%
 - Construction- 0.1%
 - Lightning- 18.2%
 - Non-Company- 0.0%
 - Other/Unknown- 58.4%
 - Overload- 0.0%
 - Planned Work- 3.5%
 - Trees- 6.8%
 - Utility Equipment- 1.2%
 - Vehicle- 2.7%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.53
- 10.) **2016 SAIDI** **58.91**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45
- 12.) **2016 SAIFI** **0.66**
- 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-TOW)** 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)** 47.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 565
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.1%
- Lightning- 22.5%
- Non-Company- 0.0%
- Other/Unknown- 16.6%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 54.0%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 180.88
- 10.) **2016 SAIDI** 170.59
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.71
- 12.) **2016 SAIFI** **2.92**
- 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-TOW** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1217
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Robarus Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 65
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 6.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 46.0%
- Overload- 0.0%
- Planned Work- 10.3%
- Trees- 0.0%
- Utility Equipment- 37.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.48
- 10.) **2016 SAIDI** **44.09**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61
- 12.) **2016 SAIFI** 0.29
- 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-TOW)** 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** 1,100
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 21.2%
- Construction- 1.7%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 36.4%
- Overload- 0.4%
- Planned Work- 1.6%
- Trees- 34.0%
- Utility Equipment- 4.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.49
- 10.) **2016 SAIDI** **62.82**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2016 SAIFI** 0.48
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **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)** 02/02/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.5%
- 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- 94.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.92
- 10.) **2016 SAIDI** 25.38
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2016 SAIFI** 0.09
- 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)** 1.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 124
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 99.8%
- Planned Work- 0.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 178.52
- 10.) **2016 SAIDI** 86.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44
- 12.) **2016 SAIFI** 0.79
- 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-TOW)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1176
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I-264 West - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,882
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 8.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 36.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 30.3%
- Utility Equipment- 24.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.12
- 10.) **2016 SAIDI** 73.69
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.77
- 12.) **2016 SAIFI** 0.69
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 1,984
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/03/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 18.4%
- Construction- 0.6%
- Lightning- 2.9%
- Non-Company- 0.0%
- Other/Unknown- 11.3%
- Overload- 0.0%
- Planned Work- 5.4%
- Trees- 57.2%
- Utility Equipment- 4.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 143.15
- 10.) **2016 SAIDI** 183.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.32
- 12.) **2016 SAIFI** 1.55
- 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-TOW)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1180
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dutchmans Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 545
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/16/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.2%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 44.2%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 23.2%
- Utility Equipment- 23.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.78
- 10.) **2016 SAIDI** 127.84
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.13
- 12.) **2016 SAIFI** 1.70
- 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-TOW)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I - 264 East - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2009

8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.32
- 10.) **2016 SAIDI** 111.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2016 SAIFI** 0.40
- 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-TOW)** 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)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,884
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/21/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.6%
- Construction- 0.0%
- Lightning- 6.6%
- Non-Company- 0.0%
- Other/Unknown- 19.1%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 23.9%
- Utility Equipment- 44.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.10
- 10.) **2016 SAIDI** 81.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.78
- 12.) **2016 SAIFI** 1.06
- 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-TOW)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1186
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Richland Dr & Hunsinger Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,702
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 55.8%
- Non-Company- 0.0%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 14.8%
- Utility Equipment- 6.1%
- Vehicle- 15.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.94
- 10.) **2016 SAIDI** 142.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94
- 12.) **2016 SAIFI** 2.20
- 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** BR1187
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Browns Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 311
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 4.0%
- Trees- 0.0%
- Utility Equipment- 94.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.82
- 10.) **2016 SAIDI** 215.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56
- 12.) **2016 SAIFI** 2.38
- 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-TOW)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1356
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Sherburn Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 139
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 84.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.92
- 10.) **2016 SAIDI** 46.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71
- 12.) **2016 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1277
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blankenship Rd & Plantside Dr. - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 93
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2014

8.) **2016 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- 48.7%
- Trees- 0.0%
- Utility Equipment- 51.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.04
- 10.) **2016 SAIDI** 4.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2016 SAIFI** 0.04
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 915
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/14/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 76.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 18.4%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.51
- 10.) **2016 SAIDI** 22.18
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51
- 12.) **2016 SAIFI** 1.04
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 451
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/23/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 43.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 54.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.25
- 10.) **2016 SAIDI** 27.52
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49
- 12.) **2016 SAIFI** 1.06
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 2,652
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2011

8.) **2016 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)** 16.74
- 10.) **2016 SAIDI** 83.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2016 SAIFI** 0.32
- 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** 1,052
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2011

8.) **2016 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- 4.6%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 95.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.01
- 10.) **2016 SAIDI** **41.56**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2016 SAIFI** **1.10**
- 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-TOW)** 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** 1,200
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 92.6%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 0.0%
- Utility Equipment- 6.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 97.99
- 10.) **2016 SAIDI** 112.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.15
- 12.) **2016 SAIFI** 0.62
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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)** 01/01/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 82.2%
- Trees- 0.0%
- Utility Equipment- 17.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 165.43
- 10.) **2016 SAIDI** 405.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.50
- 12.) **2016 SAIFI** 1.83
- 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-TOW** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1346
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Northwestern PKY & W Market St - W fo Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,209
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2011

8.) **2016 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)** 57.52
- 10.) **2016 SAIDI** 79.15
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.08
- 12.) **2016 SAIFI** 1.41
- 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-TOW)** 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** 650
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 46.1%
- Trees- 0.0%
- Utility Equipment- 50.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.39
- 10.) **2016 SAIDI** 102.71
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2016 SAIFI** 0.98
- 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-TOW)** 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** 407
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 15.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 73.6%
- Trees- 7.2%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.35
- 10.) **2016 SAIDI** 53.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 12.) **2016 SAIFI** 0.35
- 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-TOW	Oldham - 4210 Hwy 393 - Centerfield	
3.)	CIRCUIT NAME AND NUMBER	CF1201	
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Centerfield - Dawkins Rd - N of Substation	
5.)	TOTAL CIRCUIT LENGTH (MILES)	51.2	
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	498	
7.)	DATE OF LAST CIRCUIT TRIM (VM)	04/19/2014	
8.)	2016 OUTAGES BY CAUSE		
		Animal- 0.5%	
		Construction- 0.0%	
		Lightning- 27.8%	
		Non-Company- 0.0%	
		Other/Unknown- 43.1%	
		Overload- 0.0%	
		Planned Work- 0.6%	
		Trees- 3.0%	
		Utility Equipment- 24.6%	
		Vehicle- 0.4%	
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		283.16
10.)	2016 SAIDI		326.98
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.65
12.)	2016 SAIFI		2.55
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-TOW)** Oldham - 4210 Hwy 393 - Centerfield
- 3.) **CIRCUIT NAME AND NUMBER** CF1204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centerfield - S Hwy 393 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 62.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,551
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 6.1%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 43.4%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 37.0%
- Utility Equipment- 5.6%
- Vehicle- 6.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 285.44
- 10.) **2016 SAIDI** **497.64**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.81
- 12.) **2016 SAIFI** **5.03**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLARKS LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 934 Clarks Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CK0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Eastern PKY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 219
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 3.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 95.4%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.62
- 10.) **2016 SAIDI** 91.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34
- 12.) **2016 SAIFI** 0.77
- 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-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** 2,141
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 15.1%
- Trees- 2.6%
- Utility Equipment- 79.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.15
- 10.) **2016 SAIDI** **111.72**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.04
- 12.) **2016 SAIFI** **1.22**
- 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-TOW)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Clifton Ave, & Ewing Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 646
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 67.8%
- Overload- 0.0%
- Planned Work- 29.3%
- Trees- 2.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.45
- 10.) **2016 SAIDI** 29.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32
- 12.) **2016 SAIFI** **0.41**
- 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-TOW** 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** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2010
- 8.) **2016 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)** 49.15
- 10.) **2016 SAIDI** 55.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2016 SAIFI** 2.00
- 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-TOW)** 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)** 26.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 695
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/08/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 56.8%
- Non-Company- 0.3%
- Other/Unknown- 5.6%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 24.8%
- Utility Equipment- 9.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 126.73
- 10.) **2016 SAIDI** 144.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.26
- 12.) **2016 SAIFI** 1.45
- 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-TOW)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1193
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Rollington Rd, Collins Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 243
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 93.6%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 6.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.10
- 10.) **2016 SAIDI** 29.89
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2016 SAIFI** **1.00**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CONESTOGA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bullitt - 1365 N Buckman St. - Shepherdsville
- 3.) **CIRCUIT NAME AND NUMBER** CS1260
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Buckman St & N Preston Hwy - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 245
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/23/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.6%
- Construction- 0.0%
- Lightning- 5.2%
- Non-Company- 0.0%
- Other/Unknown- 21.9%
- Overload- 0.0%
- Planned Work- 5.3%
- Trees- 0.3%
- Utility Equipment- 62.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.90
- 10.) **2016 SAIDI** 67.29
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2016 SAIFI** 0.51
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 52
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2010

8.) **2016 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)** 26.87
- 10.) **2016 SAIDI** **38.00**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 12.) **2016 SAIFI** **0.29**
- 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-TOW** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1222
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - W HWY 22, Clore Ln, & Lake Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 48.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,755
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/09/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 15.2%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 18.2%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 36.6%
- Utility Equipment- 28.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 210.62
- 10.) **2016 SAIDI** **274.83**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.39
- 12.) **2016 SAIFI** **1.45**
- 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-TOW)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1225
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - Hwy 146, Muirs Ln, Elm Ave, & Hwy 362 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,516
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/31/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 3.0%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 16.6%
- Trees- 73.3%
- Utility Equipment- 2.5%
- Vehicle- 0.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 132.63
- 10.) **2016 SAIDI** 95.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.16
- 12.) **2016 SAIFI** 1.47
- 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-TOW** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1226
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - Floydsburg Rd, Hawley Gibson Rd, & Ash Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 547
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/20/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.1%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 65.7%
- Utility Equipment- 24.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 137.93
- 10.) **2016 SAIDI** **189.20**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.25
- 12.) **2016 SAIFI** **1.68**
- 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-TOW)** 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)** 70.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,146
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/08/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.9%
- Construction- 0.1%
- Lightning- 1.7%
- Non-Company- 0.0%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 3.9%
- Trees- 11.4%
- Utility Equipment- 71.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.40
- 10.) **2016 SAIDI** **153.06**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31
- 12.) **2016 SAIFI** **1.73**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1482
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, E Broadway, Logan St, Chestnut St, & Preston St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 26
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015
- 8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.62
- 10.) **2016 SAIDI** 61.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 12.) **2016 SAIFI** 0.88
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1483
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckinridge St, Vine St, Highland Ave, & Barrett Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 17
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2016 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)** 62.60
- 10.) **2016 SAIDI** 77.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48
- 12.) **2016 SAIFI** 0.35
- 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-TOW** 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)** 10.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,775
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/30/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 7.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 7.6%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.5%
- Utility Equipment- 83.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.08
- 10.) **2016 SAIDI** 119.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2016 SAIFI** 0.82
- 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-TOW)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1239
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gardiner Ln, I 265 E, & Newburg Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,412
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 7.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 7.5%
- Overload- 0.0%
- Planned Work- 12.5%
- Trees- 59.2%
- Utility Equipment- 12.3%
- Vehicle- 1.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.17
- 10.) **2016 SAIDI** **86.52**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2016 SAIFI** 0.59
- 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-TOW)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1240
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Eleanor Ave, Lakeside Dr, Dundee Rd, & Newburg Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,252
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 16.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.5%
- Overload- 0.0%
- Planned Work- 15.4%
- Trees- 28.1%
- Utility Equipment- 17.5%
- Vehicle- 14.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 156.12
- 10.) **2016 SAIDI** 297.59
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.75
- 12.) **2016 SAIFI** 3.06
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** DAHLIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 1,382
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.2%
- Lightning- 3.6%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 5.4%
- Utility Equipment- 2.1%
- Vehicle- 83.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.34
- 10.) **2016 SAIDI** 249.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56
- 12.) **2016 SAIFI** 1.34
- 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-TOW)** Jefferson - 2135 Dahlia Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DA1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bon Air Ave, Gardiner Ln, & Goldsmith Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,649
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 42.8%
- Construction- 0.0%
- Lightning- 2.1%
- Non-Company- 0.0%
- Other/Unknown- 13.2%
- Overload- 0.0%
- Planned Work- 6.4%
- Trees- 3.2%
- Utility Equipment- 6.7%
- Vehicle- 25.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.29
- 10.) **2016 SAIDI** **124.57**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.10
- 12.) **2016 SAIFI** 1.06
- 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-TOW)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1406
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, S 41st St, & W Broadway - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,128
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 79.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 0.63
- 10.) **2016 SAIDI** 3.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60
- 12.) **2016 SAIFI** 3.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DEL PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Magazine St, S 28th St, & Grand Ave - E & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011
- 8.) **2016 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)** 127.00
- 10.) **2016 SAIDI** 34.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2016 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DEL PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1408
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Magazine St, S 28th St, W KY St, & Grand Ave - E & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 76
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 96.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 129.87
- 10.) **2016 SAIDI** 71.92
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.92
- 12.) **2016 SAIFI** 2.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DEL PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, Cecil Ave, Greenwood Ave, & Virginia Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,607
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 18.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.1%
- Utility Equipment- 81.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.84
- 10.) **2016 SAIDI** 133.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.17
- 12.) **2016 SAIFI** 5.02
- 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-TOW)** Jefferson - 1309 Dumesnil St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DU0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 13th St, W Hill St, & S 15th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 128
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 14.1%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 5.9%
- Trees- 0.0%
- Utility Equipment- 76.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.25
- 10.) **2016 SAIDI** 105.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2016 SAIFI** 0.37
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DIXIE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 1706 Bernheim Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DX1220
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bernheim Ln, 7th Street Rd, & Taylor Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,154
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 10.7%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 68.2%
- Overload- 0.0%
- Planned Work- 5.3%
- Trees- 9.0%
- Utility Equipment- 3.3%
- Vehicle- 2.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.70
- 10.) **2016 SAIDI** 59.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2016 SAIFI** 0.63
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EIGHTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 841 S 8th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EI0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 8th St, York St, S 6th St, & S 5th St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 133
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 88.6%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 7.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 4.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.70
- 10.) **2016 SAIDI** 92.06
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2016 SAIFI** 0.47
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-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)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 633
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/07/2010
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 9.3%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 2.2%
- Overload- 0.0%
- Planned Work- 18.9%
- Trees- 32.8%
- Utility Equipment- 34.5%
- Vehicle- 1.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.43
- 10.) **2016 SAIDI** 51.52
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37
- 12.) **2016 SAIFI** 0.31
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1170
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Newburg Rd & Goldsmith Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,032
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 8.0%
- Overload- 0.0%
- Planned Work- 24.8%
- Trees- 44.0%
- Utility Equipment- 21.6%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.20
- 10.) **2016 SAIDI** **177.36**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 12.) **2016 SAIFI** **0.72**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Goldsmith Ln, & Shepherdsville Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 279
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 6.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 68.8%
- Overload- 0.0%
- Planned Work- 6.7%
- Trees- 0.0%
- Utility Equipment- 17.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.68
- 10.) **2016 SAIDI** 52.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88
- 12.) **2016 SAIFI** **1.16**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ETHEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 3532 Ethel Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ET1423
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jennings Ln, Bishop Ln, & Robards Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 60
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 5.4%
- Other/Unknown- 70.9%
- Overload- 0.0%
- Planned Work- 12.0%
- Trees- 0.0%
- Utility Equipment- 9.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.75
- 10.) **2016 SAIDI** 79.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61
- 12.) **2016 SAIFI** 0.62
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 100 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EW1240
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & Beckley Creek PKWY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 366
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/04/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 12.5%
- Construction- 0.0%
- Lightning- 2.1%
- Non-Company- 0.0%
- Other/Unknown- 8.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 76.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.59
- 10.) **2016 SAIDI** 28.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2016 SAIFI** 0.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 100 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EW1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gilliland Rd, Shelbyville Rd, & Long Run Rd - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 66.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,502
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/04/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.3%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 31.6%
- Overload- 0.0%
- Planned Work- 4.4%
- Trees- 6.3%
- Utility Equipment- 56.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.62
- 10.) **2016 SAIDI** 85.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00
- 12.) **2016 SAIFI** 1.43
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 16000 Shelbyville Rd - Middletown
- 3.) **CIRCUIT NAME AND NUMBER** EW1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Liberty Ave, Johnson Rd, & Aiken Rd- N & NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 626
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.7%
- Lightning- 2.0%
- Non-Company- 0.0%
- Other/Unknown- 54.0%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 13.6%
- Utility Equipment- 27.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.08
- 10.) **2016 SAIDI** 56.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2016 SAIFI** 0.41
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1148
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd & Lees Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,127
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/09/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.1%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 42.0%
- Other/Unknown- 27.9%
- Overload- 0.0%
- Planned Work- 3.9%
- Trees- 0.0%
- Utility Equipment- 17.5%
- Vehicle- 3.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.83
- 10.) **2016 SAIDI** 31.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49
- 12.) **2016 SAIFI** 0.39
- 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-TOW)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farnsley Rd & Burrell Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,021
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 16.8%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.1%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 21.1%
- Utility Equipment- 33.9%
- Vehicle- 8.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.50
- 10.) **2016 SAIDI** 37.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2016 SAIFI** 0.56
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farnsley Rd, Cane Run Rd, Ralph Ave, & Campground Rd - N & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 968
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.0%
- Construction- 0.0%
- Lightning- 2.8%
- Non-Company- 2.5%
- Other/Unknown- 10.5%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 39.4%
- Utility Equipment- 36.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.22
- 10.) **2016 SAIDI** 79.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.92
- 12.) **2016 SAIFI** 1.51
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1215
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Orchard Way, S Crums Ln, Dover Rd, & Burrell Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,708
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/24/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.7%
- Overload- 0.0%
- Planned Work- 72.6%
- Trees- 8.6%
- Utility Equipment- 10.4%
- Vehicle- 0.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.06
- 10.) **2016 SAIDI** 122.90
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.86
- 12.) **2016 SAIFI** 1.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2016

- 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** 1,359
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.0%
- Construction- 0.0%
- Lightning- 38.1%
- Non-Company- 0.0%
- Other/Unknown- 1.9%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 20.6%
- Utility Equipment- 2.3%
- Vehicle- 30.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.15
- 10.) **2016 SAIDI** 136.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.02
- 12.) **2016 SAIFI** 2.34
- 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-TOW)** 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** 324
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.7%
- Lightning- 20.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 19.0%
- Trees- 50.7%
- Utility Equipment- 8.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.00
- 10.) **2016 SAIDI** 35.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31
- 12.) **2016 SAIFI** 0.32
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Langdon Dr, & Tiverton Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,208
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/27/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.4%
- Overload- 0.0%
- Planned Work- 7.2%
- Trees- 83.3%
- Utility Equipment- 3.0%
- Vehicle- 1.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.74
- 10.) **2016 SAIDI** 63.98
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39
- 12.) **2016 SAIFI** 0.20
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Freys Hill Rd, Evergreen Rd, & Park Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 722
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 27.7%
- Utility Equipment- 66.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 138.39
- 10.) **2016 SAIDI** 117.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2016 SAIFI** 1.56
- 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-TOW)** 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** 1,826
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2010
- 8.) **2016 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- 0.3%
- Vehicle- 99.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.39
- 10.) **2016 SAIDI** 426.48
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2016 SAIFI** 1.78
- 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-TOW)** 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** 151
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2010

8.) **2016 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- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 99.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.01
- 10.) **2016 SAIDI** 385.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 12.) **2016 SAIFI** 1.03
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 128 N 44th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FO0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 44th St, W Market St, & Fontaine Landing Ct - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 359
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 6.8%
- Other/Unknown- 2.0%
- Overload- 12.0%
- Planned Work- 0.0%
- Trees- 75.5%
- Utility Equipment- 3.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.48
- 10.) **2016 SAIDI** 44.46
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44
- 12.) **2016 SAIFI** 0.32
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 128 N 44th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FO0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Duncan St & N Longworth Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 251
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011

8.) **2016 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- 62.0%
- Trees- 0.0%
- Utility Equipment- 38.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.79
- 10.) **2016 SAIDI** 96.56
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2016 SAIFI** 0.81
- 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-TOW)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Loretta St, & Ulrich Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,844
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/10/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 7.4%
- Lightning- 4.2%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 21.6%
- Trees- 8.9%
- Utility Equipment- 55.4%
- Vehicle- 0.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.63
- 10.) **2016 SAIDI** 51.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 12.) **2016 SAIFI** 1.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1135
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Forest Dr, E Indian Trl, & Poplar Level Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,129
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 20.4%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 0.2%
- Utility Equipment- 44.2%
- Vehicle- 31.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.39
- 10.) **2016 SAIDI** 73.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.07
- 12.) **2016 SAIFI** 0.69
- 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-TOW)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fern Valley Rd & Shepherdsville Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,510
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.2%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 0.6%
- Utility Equipment- 6.8%
- Vehicle- 77.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.29
- 10.) **2016 SAIDI** 52.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81
- 12.) **2016 SAIFI** 1.07
- 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-TOW)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1140
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Minor Ln, & Rossmoor Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 451
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/10/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 92.8%
- Trees- 0.0%
- Utility Equipment- 5.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.43
- 10.) **2016 SAIDI** 53.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2016 SAIFI** 0.26
- 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-TOW)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1141
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hanses Dr, Poplar Level Rd, & Rangeland Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,351
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 5.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 49.2%
- Overload- 0.0%
- Planned Work- 25.7%
- Trees- 0.0%
- Utility Equipment- 11.8%
- Vehicle- 7.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.12
- 10.) **2016 SAIDI** 20.96
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2016 SAIFI** **1.13**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 1,267
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 8.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 4.8%
- Other/Unknown- 9.4%
- Overload- 0.0%
- Planned Work- 23.8%
- Trees- 28.5%
- Utility Equipment- 25.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.05
- 10.) **2016 SAIDI** 56.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 12.) **2016 SAIFI** 0.57
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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.) **2016 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)** 29.85
- 10.) **2016 SAIDI** 124.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.24
- 12.) **2016 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1477
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy & Outer Loop - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 23.0%
- Non-Company- 0.0%
- Other/Unknown- 77.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 139.26
- 10.) **2016 SAIDI** 133.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.10
- 12.) **2016 SAIFI** 4.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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.) **2016 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)** 15.81
- 10.) **2016 SAIDI** 40.99
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12
- 12.) **2016 SAIFI** 0.17
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GAULBERT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 466
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 95.5%
- Trees- 0.0%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.36
- 10.) **2016 SAIDI** 53.57
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2016 SAIFI** 0.46
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GAULBERT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2950 Wilson Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GA0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southern Ave & S 32nd St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 552
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.3%
- Overload- 0.0%
- Planned Work- 51.6%
- Trees- 6.9%
- Utility Equipment- 33.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.40
- 10.) **2016 SAIDI** 37.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36
- 12.) **2016 SAIFI** 0.30
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 593
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 45.0%
- Overload- 0.0%
- Planned Work- 5.4%
- Trees- 0.0%
- Utility Equipment- 34.5%
- Vehicle- 15.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.87
- 10.) **2016 SAIDI** 46.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2016 SAIFI** 0.26
- 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-TOW)** Jefferson - 35th Street & Gilligan Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bank St, N 39th St, & S 38th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 491
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.4%
- Overload- 0.0%
- Planned Work- 55.5%
- Trees- 23.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.34
- 10.) **2016 SAIDI** **110.34**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2016 SAIFI** **0.81**
- 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-TOW)** Jefferson - 1260 Goss Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GO0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Goss Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 41
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2016 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)** 17.87
- 10.) **2016 SAIDI** 13.27
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 12.) **2016 SAIFI** 0.24
- 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-TOW)** 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** 687
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 64.3%
- Overload- 21.6%
- Planned Work- 1.3%
- Trees- 3.5%
- Utility Equipment- 9.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.18
- 10.) **2016 SAIDI** **40.18**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29
- 12.) **2016 SAIFI** **0.61**
- 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-TOW)** Jefferson - 1260 Goss Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GO0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ash St & Hickory St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 410
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.0%
 Construction- 2.6%
 Lightning- 0.0%
 Non-Company- 0.0%
 Other/Unknown- 0.0%
 Overload- 0.0%
 Planned Work- 30.3%
 Trees- 67.1%
 Utility Equipment- 0.0%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.24
- 10.) **2016 SAIDI** **37.83**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2016 SAIFI** 0.14
- 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-TOW)** 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)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,319
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.5%
- Overload- 0.0%
- Planned Work- 9.8%
- Trees- 0.0%
- Utility Equipment- 77.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.32
- 10.) **2016 SAIDI** 145.55
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.33
- 12.) **2016 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1465
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 41st St, Bells Ln, & Oxy Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/21/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 32.6%
- Overload- 0.0%
- Planned Work- 67.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 287.14
- 10.) **2016 SAIDI** 740.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.68
- 12.) **2016 SAIFI** 3.00
- 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)	17.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,863
7.)	DATE OF LAST CIRCUIT TRIM (VM)	02/09/2013
8.)	2016 OUTAGES BY CAUSE	
		Animal- 0.7%
		Construction- 29.2%
		Lightning- 1.9%
		Non-Company- 0.0%
		Other/Unknown- 18.8%
		Overload- 0.2%
		Planned Work- 2.9%
		Trees- 43.5%
		Utility Equipment- 2.8%
		Vehicle- 0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	93.79
10.)	2016 SAIDI	135.35
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.77
12.)	2016 SAIFI	1.35
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** HB1146
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Plantside Dr, Carton Dr, & Bunsen Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 169
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2015
- 8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.54
 - 10.) **2016 SAIDI** **47.50**
 - 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66
 - 12.) **2016 SAIFI** **1.00**
 - 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	HURSTBOURNE	
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 1830 Plantside Drive - Louisville	
3.)	CIRCUIT NAME AND NUMBER	HB1147	
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - I 64 W, Linn Station Rd, & Timberwood Cir - NNW of Substation	
5.)	TOTAL CIRCUIT LENGTH (MILES)	16.4	
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,336	
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/05/2012	
8.)	2016 OUTAGES BY CAUSE		
		Animal- 0.0%	
		Construction- 0.0%	
		Lightning- 0.0%	
		Non-Company- 0.0%	
		Other/Unknown- 41.3%	
		Overload- 0.0%	
		Planned Work- 1.7%	
		Trees- 0.0%	
		Utility Equipment- 56.9%	
		Vehicle- 0.0%	
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		120.82
10.)	2016 SAIDI		145.35
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.36
12.)	2016 SAIFI		2.16
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** HC1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Fenley Ave, & Breckenridge Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,657
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/13/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 3.9%
- Lightning- 5.8%
- Non-Company- 0.0%
- Other/Unknown- 9.6%
- Overload- 0.0%
- Planned Work- 61.7%
- Trees- 14.5%
- Utility Equipment- 2.1%
- Vehicle- 0.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.38
- 10.) **2016 SAIDI** 118.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
- 12.) **2016 SAIFI** 2.76
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Birchwood Ave, & Brownsboro Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,556
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 50.7%
- Overload- 0.0%
- Planned Work- 7.5%
- Trees- 37.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.30
- 10.) **2016 SAIDI** 50.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 12.) **2016 SAIFI** 1.38
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grinstead Dr, Lexington Rd, & Alta Vista Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 781
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2012
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 7.4%
 Construction- 0.0%
 Lightning- 22.9%
 Non-Company- 0.0%
 Other/Unknown- 19.0%
 Overload- 0.0%
 Planned Work- 20.3%
 Trees- 0.0%
 Utility Equipment- 30.4%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.64
- 10.) **2016 SAIDI** 43.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81
- 12.) **2016 SAIFI** 1.26
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hillcrest Ave, Zorn Ave, & River Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,145
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/17/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 2.3%
- Lightning- 25.7%
- Non-Company- 0.0%
- Other/Unknown- 27.8%
- Overload- 0.0%
- Planned Work- 6.2%
- Trees- 29.5%
- Utility Equipment- 5.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 112.43
- 10.) **2016 SAIDI** 115.85
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.99
- 12.) **2016 SAIFI** 0.76
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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.) **2016 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)** 290.92
- 10.) **2016 SAIDI** 728.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00
- 12.) **2016 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-TOW)** Jefferson - Rear 3619 Jefferson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, 37th, 36th, 35th & 34th St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 691
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 2.1%
 Construction- 0.0%
 Lightning- 0.0%
 Non-Company- 0.0%
 Other/Unknown- 31.6%
 Overload- 0.0%
 Planned Work- 42.6%
 Trees- 0.4%
 Utility Equipment- 23.4%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.77
- 10.) **2016 SAIDI** 60.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2016 SAIFI** 0.49
- 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** 600
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 21.9%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 71.8%
- Trees- 0.0%
- Utility Equipment- 6.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.10
- 10.) **2016 SAIDI** 44.80
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.24
- 12.) **2016 SAIFI** 0.40
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HERMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 3619 Jefferson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 38th St, Amy Ave, & W Muhammad Ali Blvd - N & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 665
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011

8.) **2016 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- 47.9%
- Trees- 6.4%
- Utility Equipment- 2.8%
- Vehicle- 43.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.58
- 10.) **2016 SAIDI** 49.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 12.) **2016 SAIFI** 0.28
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1102
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Baringer Ave & Highland Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,485
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/19/2013
- 8.) **2016 OUTAGES BY CAUSE**
- Animal- 1.7%
 - Construction- 0.0%
 - Lightning- 0.2%
 - Non-Company- 0.0%
 - Other/Unknown- 0.7%
 - Overload- 0.0%
 - Planned Work- 0.2%
 - Trees- 43.8%
 - Utility Equipment- 53.4%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.71
- 10.) **2016 SAIDI** 206.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18
- 12.) **2016 SAIFI** 3.22
- 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** HI1103
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Alta Ave, & Speed Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,868
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2013

8.) **2016 OUTAGES BY CAUSE**

Animal- 12.6%

Construction- 0.0%

Lightning- 7.4%

Non-Company- 0.0%

Other/Unknown- 11.6%

Overload- 0.0%

Planned Work- 4.8%

Trees- 14.6%

Utility Equipment- 49.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.33
- 10.) **2016 SAIDI** 136.77
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91
- 12.) **2016 SAIFI** 2.01
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1104
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fernwood Ave, Norris Pl, Dundee Rd, & Newburg Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,260
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 6.8%
- Non-Company- 0.0%
- Other/Unknown- 19.6%
- Overload- 0.0%
- Planned Work- 7.1%
- Trees- 8.7%
- Utility Equipment- 54.8%
- Vehicle- 0.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.08
 - 10.) **2016 SAIDI** 129.03
 - 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.27
 - 12.) **2016 SAIFI** 4.47
 - 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-TOW** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stevens Ave, Baxter Ave, Barret Ave & Winter Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,534
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 16.7%
- Construction- 0.0%
- Lightning- 5.3%
- Non-Company- 0.0%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 6.4%
- Trees- 35.9%
- Utility Equipment- 27.2%
- Vehicle- 5.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 91.25
 - 10.) **2016 SAIDI** **131.94**
 - 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.63
 - 12.) **2016 SAIFI** **1.92**
 - 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** HI1472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Grinstead Dr, Baxter Ave, & Payne St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 101
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2008

8.) **2016 OUTAGES BY CAUSE**

- Animal- 38.8%
- 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- 61.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.58
- 10.) **2016 SAIDI** **110.04**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.41
- 12.) **2016 SAIFI** **2.74**
- 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-TOW** 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)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,165
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2008

8.) **2016 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)** 1.14
- 10.) **2016 SAIDI** **4.71**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2016 SAIFI** **0.07**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 1,168
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2014
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.4%
 Construction- 0.0%
 Lightning- 0.0%
 Non-Company- 0.0%
 Other/Unknown- 0.3%
 Overload- 0.0%
 Planned Work- 3.2%
 Trees- 77.0%
 Utility Equipment- 18.7%
 Vehicle- 0.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.24
- 10.) **2016 SAIDI** 46.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 12.) **2016 SAIFI** 0.40
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1235
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 42, Marina Dr, & Seminary Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,410
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/18/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 22.2%
- Utility Equipment- 71.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 148.07
- 10.) **2016 SAIDI** 34.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.06
- 12.) **2016 SAIFI** 1.22
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Rd, Avish Ln, & Rockledge Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 558
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/18/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 10.5%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 32.1%
- Overload- 0.0%
- Planned Work- 12.9%
- Trees- 43.1%
- Utility Equipment- 1.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 172.79
- 10.) **2016 SAIDI** 476.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.47
- 12.) **2016 SAIFI** 3.63
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1156
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - US 42, Harmony Landing Rd, & Hwy 1793 - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,152
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 22.0%
- Non-Company- 0.0%
- Other/Unknown- 24.2%
- Overload- 11.6%
- Planned Work- 6.8%
- Trees- 1.8%
- Utility Equipment- 33.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.43
- 10.) **2016 SAIDI** 35.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.96
- 12.) **2016 SAIFI** 1.16
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1158
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - US 42 & Buckeye Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 469
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/12/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.3%
- Lightning- 3.2%
- Non-Company- 0.0%
- Other/Unknown- 37.5%
- Overload- 0.0%
- Planned Work- 4.8%
- Trees- 45.6%
- Utility Equipment- 8.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 147.28
- 10.) **2016 SAIDI** 139.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59
- 12.) **2016 SAIFI** 1.00
- 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** 889
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 10.5%
- Construction- 0.0%
- Lightning- 66.7%
- Non-Company- 0.7%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 15.0%
- Trees- 0.0%
- Utility Equipment- 7.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.02
- 10.) **2016 SAIDI** 83.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 12.) **2016 SAIFI** 0.61
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd, Greenbelt Hwy, & Rockaway Dr - ENE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 990
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 3.1%
- Non-Company- 0.0%
- Other/Unknown- 12.0%
- Overload- 0.3%
- Planned Work- 0.1%
- Trees- 24.0%
- Utility Equipment- 23.7%
- Vehicle- 36.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 91.52
- 10.) **2016 SAIDI** 190.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.14
- 12.) **2016 SAIFI** 1.31
- 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)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 40
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2014
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 60.5%
 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- 39.5%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.12
- 10.) **2016 SAIDI** 3.80
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2016 SAIFI** 0.18
- 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-TOW)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd, Port Rd, & Intermodal Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 261
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2014
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.0%
 Construction- 0.0%
 Lightning- 0.0%
 Non-Company- 0.0%
 Other/Unknown- 29.0%
 Overload- 0.0%
 Planned Work- 0.0%
 Trees- 0.0%
 Utility Equipment- 70.9%
 Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.77
- 10.) **2016 SAIDI** 55.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2016 SAIFI** 1.29
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1298
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd & Distribution Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 43
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2014

8.) **2016 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)** 18.80
- 10.) **2016 SAIDI** 61.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44
- 12.) **2016 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	JEFFERSONTOWN	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 11412 Taylorsville Rd. - Louisville	
3.) CIRCUIT NAME AND NUMBER	JT1121	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Taylorsville Rd, Neal Dr, & Watterson Trl - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	12.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,215	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/01/2014	
8.) 2016 OUTAGES BY CAUSE		
	Animal- 2.9%	
	Construction- 0.7%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 92.1%	
	Overload- 0.0%	
	Planned Work- 4.2%	
	Trees- 0.0%	
	Utility Equipment- 0.1%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		40.98
10.) 2016 SAIDI		69.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.40
12.) 2016 SAIFI		0.63
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW** 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** 414

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

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 85.0%
- Utility Equipment- 7.1%
- Vehicle- 3.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.90

10.) **2016 SAIDI** 97.94

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

12.) **2016 SAIFI** 1.35

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	JEFFERSONTOWN	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Jefferson - 11412 Taylorsville Rd. - Louisville	
3.) CIRCUIT NAME AND NUMBER	JT1125	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Louisville - Blankenbaker Pky & Chenoweth Run Rd - NW & SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	11.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	385	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/02/2014	
8.) 2016 OUTAGES BY CAUSE		
	Animal- 2.2%	
	Construction- 0.0%	
	Lightning- 3.8%	
	Non-Company- 0.0%	
	Other/Unknown- 33.1%	
	Overload- 0.0%	
	Planned Work- 0.0%	
	Trees- 0.0%	
	Utility Equipment- 59.9%	
	Vehicle- 1.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		71.17
10.) 2016 SAIDI		81.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.68
12.) 2016 SAIFI		0.41
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** JEFFERSONTOWN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW** Jefferson - 11412 Taylorsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** JT1127
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd, Old Routt Rd, & Taylorsville Lake Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 372
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/24/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 22.8%
- Overload- 9.0%
- Planned Work- 3.9%
- Trees- 0.5%
- Utility Equipment- 63.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.74
- 10.) **2016 SAIDI** 72.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37
- 12.) **2016 SAIFI** 0.82
- 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-TOW** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1158
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Inverness Ave, New Cut Rd, & Palatka Rd - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,390
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/04/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 63.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 9.3%
- Overload- 0.0%
- Planned Work- 4.6%
- Trees- 19.2%
- Utility Equipment- 3.1%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.84
- 10.) **2016 SAIDI** 118.95
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2016 SAIFI** 0.87
- 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-TOW)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1160
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Steedly Dr, Enterprise Dr, & National TPke - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 142
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.1%
- Lightning- 0.1%
- Non-Company- 0.9%
- Other/Unknown- 9.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 49.4%
- Vehicle- 39.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.25
- 10.) **2016 SAIDI** 202.69
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.53
- 12.) **2016 SAIFI** 3.06
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1162
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Strawberry Ln & Eiler Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 75
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2012

8.) **2016 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- 62.3%
- Trees- 0.0%
- Utility Equipment- 37.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.60
- 10.) **2016 SAIDI** 49.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2016 SAIFI** 0.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 1130 Logan St, St Catherine St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LG0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - E Oak St, Reutlinger Ave, & Ellison Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 363
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 4.7%
- Vehicle- 93.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.59
- 10.) **2016 SAIDI** **37.83**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.53
- 12.) **2016 SAIFI** 0.18
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 1130 Logan St, St Catherine St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LG0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Logan St, Goss Ave, & Charles St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 722
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.7%
- Overload- 0.0%
- Planned Work- 34.4%
- Trees- 18.3%
- Utility Equipment- 31.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.97
- 10.) **2016 SAIDI** 11.30
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2016 SAIFI** 0.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelby St - NE & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 544
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 43.1%
- Overload- 3.9%
- Planned Work- 39.6%
- Trees- 2.3%
- Utility Equipment- 11.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.43
- 10.) **2016 SAIDI** 17.98
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 12.) **2016 SAIFI** 0.20
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St & Miller Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 484
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 29.8%
- Non-Company- 0.0%
- Other/Unknown- 6.9%
- Overload- 3.0%
- Planned Work- 14.5%
- Trees- 0.0%
- Utility Equipment- 45.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.81
- 10.) **2016 SAIDI** 54.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2016 SAIFI** 0.48
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Barbee Ave, Crittenden Dr, Warnock St, & Floyd St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 446
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.0%
 Construction- 0.0%
 Lightning- 0.0%
 Non-Company- 0.0%
 Other/Unknown- 23.5%
 Overload- 0.0%
 Planned Work- 63.2%
 Trees- 0.0%
 Utility Equipment- 13.3%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.17
- 10.) **2016 SAIDI** 23.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 12.) **2016 SAIFI** 0.26
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 2071 S Preston St & Lynn St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LN0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St & Gernert Ct - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 497
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 48.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 7.3%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 37.8%
- Vehicle- 6.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.21
- 10.) **2016 SAIDI** 37.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 12.) **2016 SAIFI** 0.56
- 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-TOW)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1190
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hess Ln, Poplar Level Rd, & Sheridan Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,239
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2011
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.1%
- Construction- 1.2%
- Lightning- 20.7%
- Non-Company- 0.0%
- Other/Unknown- 4.8%
- Overload- 0.0%
- Planned Work- 22.5%
- Trees- 44.7%
- Utility Equipment- 3.0%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.35
- 10.) **2016 SAIDI** **70.82**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49
- 12.) **2016 SAIFI** 0.43
- 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-TOW)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1191
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hess Ln & Polar Level Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 55
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2011
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 75.3%

Lightning- 4.6%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 20.1%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.96
- 10.) **2016 SAIDI** 79.70
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59
- 12.) **2016 SAIFI** 2.16
- 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-TOW)** 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** 441
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2016
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 3.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 28.3%
- Trees- 62.1%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.17
- 10.) **2016 SAIDI** 30.86
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 12.) **2016 SAIFI** **0.23**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 - Trees Trimmed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 918 Ormsby Ln. - Bellemeade
- 3.) **CIRCUIT NAME AND NUMBER** LS1244
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lyndon - New La Grange Rd, La Grange Rd, Whipps Mill Rd - N & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,910
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2017

8.) **2016 OUTAGES BY CAUSE**

- Animal- 27.2%
- Construction- 1.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 24.2%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 1.6%
- Utility Equipment- 44.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.60
- 10.) **2016 SAIDI** 36.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2016 SAIFI** 0.26
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8407 LaGrange Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LY1112
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - New La Grange Rd & Willow Springs Dr - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 178
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/25/2012
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 32.1%
 Construction- 0.0%
 Lightning- 0.0%
 Non-Company- 0.0%
 Other/Unknown- 53.1%
 Overload- 0.0%
 Planned Work- 0.0%
 Trees- 0.0%
 Utility Equipment- 4.0%
 Vehicle- 10.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.42
- 10.) **2016 SAIDI** 116.84
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
- 12.) **2016 SAIFI** 1.58
- 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-TOW)** 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** 20
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015

8.) **2016 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)** 138.72
- 10.) **2016 SAIDI** 184.80
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.89
- 12.) **2016 SAIFI** 1.10
- 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-TOW)** Jefferson - 635 E Madison - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MD1457
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Clay St, E Main St, Story Ave, & Buchanan St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 41
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015

8.) **2016 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)** 222.03
- 10.) **2016 SAIDI** 237.38
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.17
- 12.) **2016 SAIFI** 1.84
- 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-TOW)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway, 15th St, Garland Ave, & 16th St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 402
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 98.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.12
- 10.) **2016 SAIDI** 105.61
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.33
- 12.) **2016 SAIFI** 2.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 06/06/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 42.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 57.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.90
- 10.) **2016 SAIDI** 75.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32
- 12.) **2016 SAIFI** 0.75
- 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-TOW)** 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** 1,781
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 7.4%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 5.1%
- Trees- 0.0%
- Utility Equipment- 84.8%
- Vehicle- 1.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.33
- 10.) **2016 SAIDI** **48.99**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71
- 12.) **2016 SAIFI** **0.73**
- 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-TOW)** 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)** 26.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,610
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 24.4%
- Overload- 0.0%
- Planned Work- 2.6%
- Trees- 0.1%
- Utility Equipment- 67.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.01
- 10.) **2016 SAIDI** 79.06
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88
- 12.) **2016 SAIFI** 1.32
- 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-TOW)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1289
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Holgate Dr, 1st, 2nd, & 3rd St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 801
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.8%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 18.0%
- Utility Equipment- 46.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.27
- 10.) **2016 SAIDI** 161.30
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22
- 12.) **2016 SAIFI** 2.04
- 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-TOW)** 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** 572
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2013
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 6.5%
 Construction- 0.0%
 Lightning- 86.5%
 Non-Company- 0.0%
 Other/Unknown- 0.9%
 Overload- 0.0%
 Planned Work- 0.0%
 Trees- 3.8%
 Utility Equipment- 2.3%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.68
- 10.) **2016 SAIDI** 52.85
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 12.) **2016 SAIFI** 0.86
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1264
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Six Mile Ln & Klondike Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,172
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/21/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 8.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 21.8%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 48.7%
- Utility Equipment- 13.2%
- Vehicle- 0.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.28
- 10.) **2016 SAIDI** 178.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73
- 12.) **2016 SAIFI** 1.83
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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)** 09/21/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 0.0%
- Utility Equipment- 96.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.64
- 10.) **2016 SAIDI** **88.96**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48
- 12.) **2016 SAIFI** 0.30
- 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-TOW)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1266
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Six Mile Ln, Stony Brook Dr, & Hampton Ridge Ct - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,594
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/21/2013
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 1.0%
 Construction- 1.3%
 Lightning- 65.2%
 Non-Company- 0.0%
 Other/Unknown- 1.0%
 Overload- 0.0%
 Planned Work- 0.4%
 Trees- 15.4%
 Utility Equipment- 15.7%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 116.59
- 10.) **2016 SAIDI** 160.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.39
- 12.) **2016 SAIFI** 2.73
- 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-TOW)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1267
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckenridge Ln & Bardstown Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,432
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2013

8.) **2016 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- 4.1%
- Trees- 30.9%
- Utility Equipment- 12.4%
- Vehicle- 52.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.10
- 10.) **2016 SAIDI** 47.03
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2016 SAIFI** 1.25
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1269
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Wisteria Landing Cir, Beargrass Ave, Bardstown Rd & Fegenbush Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,264
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.6%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 21.0%
- Overload- 0.0%
- Planned Work- 29.9%
- Trees- 11.3%
- Utility Equipment- 9.7%
- Vehicle- 25.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.26
- 10.) **2016 SAIDI** 152.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.29
- 12.) **2016 SAIFI** 2.70
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1271
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Nachand Ln, Watterson Trl, & Hurstbourne Pky - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,561
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 31.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 33.5%
- Utility Equipment- 1.5%
- Vehicle- 24.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.71
- 10.) **2016 SAIDI** 25.86
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 12.) **2016 SAIFI** 0.23
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Valosta Ave, Nachand Ln, & Pear View Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 113
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2013
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.0%
 Construction- 0.0%
 Lightning- 52.3%
 Non-Company- 0.0%
 Other/Unknown- 0.0%
 Overload- 0.0%
 Planned Work- 47.7%
 Trees- 0.0%
 Utility Equipment- 0.0%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 2.56
- 10.) **2016 SAIDI** 4.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.04
- 12.) **2016 SAIFI** 0.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 796
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/18/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 18.0%
- Construction- 4.0%
- Lightning- 17.6%
- Non-Company- 0.0%
- Other/Unknown- 33.6%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 14.5%
- Utility Equipment- 11.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.52
- 10.) **2016 SAIDI** 50.46
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 12.) **2016 SAIFI** 0.69
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1275
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blue Lick Rd & Freedom Way - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,081
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/02/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.1%
- Construction- 0.0%
- Lightning- 46.9%
- Non-Company- 0.0%
- Other/Unknown- 12.2%
- Overload- 0.0%
- Planned Work- 12.3%
- Trees- 0.6%
- Utility Equipment- 15.9%
- Vehicle- 8.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.93
- 10.) **2016 SAIDI** 93.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2016 SAIFI** 1.53
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ORMSBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - Rear of 436 E Ormsby Jackson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OR0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jackson St, Oak St, & Preston St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 581
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/24/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 6.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 11.0%
- Trees- 0.6%
- Utility Equipment- 5.0%
- Vehicle- 77.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.23
- 10.) **2016 SAIDI** 116.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2016 SAIFI** 0.44
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ORMSBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - Rear of 436 E Ormsby Jackson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OR0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston St, Woodbine St, Floyd St, & Burnett Ave- SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 602
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 4.6%
- Trees- 21.5%
- Utility Equipment- 6.7%
- Vehicle- 65.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.71
- 10.) **2016 SAIDI** 211.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71
- 12.) **2016 SAIFI** 0.89
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Lyndon Rd, & Hurstbourne Club Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,931
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/22/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 44.1%
- Overload- 0.0%
- Planned Work- 24.4%
- Trees- 3.9%
- Utility Equipment- 23.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 100.66
- 10.) **2016 SAIDI** 134.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.09
- 12.) **2016 SAIFI** 1.69
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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)** 18.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,255
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 29.9%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 27.4%
- Utility Equipment- 40.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.16
- 10.) **2016 SAIDI** 183.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.42
- 12.) **2016 SAIFI** 2.67
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1277
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Oxmoor Woods Pky, Linn Station Rd, & Hogarth Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 552
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/29/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 6.1%
- Non-Company- 0.0%
- Other/Unknown- 29.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 64.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.31
- 10.) **2016 SAIDI** 92.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91
- 12.) **2016 SAIFI** 0.36
- 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-TOW)** 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)** 09/20/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 71.2%
- Overload- 0.0%
- Planned Work- 28.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.74
- 10.) **2016 SAIDI** 71.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2016 SAIFI** 0.33
- 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-TOW)** 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** 543
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/11/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.1%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 5.5%
- Utility Equipment- 9.2%
- Vehicle- 82.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.25
- 10.) **2016 SAIDI** **123.51**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2016 SAIFI** **0.38**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PIRTLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 1506 W Main St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Main St, 15th St, Rowan St, & Portland Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 596
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/20/2010
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 0.0%
- Utility Equipment- 2.4%
- Vehicle- 91.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.84
- 10.) **2016 SAIDI** 157.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2016 SAIFI** 0.65
- 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.) **2016 OUTAGES BY CAUSE**

Animal- 17.5%
 Construction- 0.0%
 Lightning- 1.0%
 Non-Company- 0.0%
 Other/Unknown- 38.8%
 Overload- 0.0%
 Planned Work- 0.7%
 Trees- 10.7%
 Utility Equipment- 29.1%
 Vehicle- 2.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.47
- 10.) **2016 SAIDI** 86.56
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2016 SAIFI** 2.45
- 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.) **2016 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)** 40.40
- 10.) **2016 SAIDI** 67.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51
- 12.) **2016 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1251
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dorsey Way & Cambridge Station Rd - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,407
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 7.7%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 24.9%
- Utility Equipment- 64.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.79
- 10.) **2016 SAIDI** 162.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73
- 12.) **2016 SAIFI** 1.05
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1254
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky & Whittington Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 647
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 0.0%
- Utility Equipment- 93.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.46
- 10.) **2016 SAIDI** 88.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2016 SAIFI** 0.32
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Louisville - 1231 S 7th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th St, oak St, & 8th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 335
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/09/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 32.8%
- Trees- 0.0%
- Utility Equipment- 61.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.66
- 10.) **2016 SAIDI** 15.57
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2016 SAIFI** 0.13
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 420
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/09/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 69.4%
- Overload- 0.0%
- Planned Work- 30.6%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.90
- 10.) **2016 SAIDI** 20.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 12.) **2016 SAIFI** 0.14
- 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-TOW)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1281
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th Street Rd, Arcade Ave, Taylor Blvd, & Clara Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,545
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 31.8%
- Non-Company- 0.0%
- Other/Unknown- 46.9%
- Overload- 0.0%
- Planned Work- 12.8%
- Trees- 2.3%
- Utility Equipment- 4.5%
- Vehicle- 0.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.53
- 10.) **2016 SAIDI** 53.52
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2016 SAIFI** 2.22
- 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)** 11/23/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 91.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.7%
- Overload- 0.0%
- Planned Work- 5.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.13
- 10.) **2016 SAIDI** 91.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2016 SAIFI** 1.22
- 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-TOW)** 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)** 8.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,105
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.4%
- Construction- 1.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.5%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 33.2%
- Utility Equipment- 26.9%
- Vehicle- 2.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.04
- 10.) **2016 SAIDI** 37.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2016 SAIFI** 0.29
- 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-TOW)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1456
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Ralph Ave, & Fitzgerald Rd - N of Substation of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 19
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2013

8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 140.52
- 10.) **2016 SAIDI** 117.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.97
- 12.) **2016 SAIFI** 3.05
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1457
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crums Ln & San Jose Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2013

8.) **2016 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)** 77.59
- 10.) **2016 SAIDI** 1.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.87
- 12.) **2016 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1458
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th Street Rd, Arcade Ave, Taylor Blvd, & Berry Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 7
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 37.2%
- Overload- 0.0%
- Planned Work- 62.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.37
- 10.) **2016 SAIDI** 26.86
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26
- 12.) **2016 SAIFI** 1.29
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1459
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Bluegrass Ave, & Taylor Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 18
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2013

8.) **2016 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- 49.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 50.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.63
- 10.) **2016 SAIDI** 150.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.47
- 12.) **2016 SAIFI** 1.33
- 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-TOW)** Oldham - 8617 W Hwy 42 - Skylight
- 3.) **CIRCUIT NAME AND NUMBER** SK1127
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Skylight - Hwy 42, Axton Ln, Shiloh Ln, & Hwy 1694 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 268
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/22/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 14.1%
- Lightning- 56.2%
- Non-Company- 0.0%
- Other/Unknown- 12.7%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 12.0%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 156.03
- 10.) **2016 SAIDI** 352.42
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22
- 12.) **2016 SAIFI** 3.39
- 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)** 147.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,389
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 8.2%
- Non-Company- 0.0%
- Other/Unknown- 12.1%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 58.4%
- Utility Equipment- 19.0%
- Vehicle- 0.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 285.24
- 10.) **2016 SAIDI** 377.53
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.48
- 12.) **2016 SAIFI** 1.80
- 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** SM1233
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Whitney Ave, 5th St, Bluegrass Ave & Taylor Ave - SW of Substation of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,723
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2013
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.1%
 Construction- 0.0%
 Lightning- 1.3%
 Non-Company- 0.0%
 Other/Unknown- 0.2%
 Overload- 0.0%
 Planned Work- 2.1%
 Trees- 73.7%
 Utility Equipment- 17.6%
 Vehicle- 5.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.49
- 10.) **2016 SAIDI** 184.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.06
- 12.) **2016 SAIFI** 1.77
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1360
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Allmond Ave, Strawberry Ln, & Crittenden Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 96
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.0%
 Construction- 0.0%
 Lightning- 0.0%
 Non-Company- 17.3%
 Other/Unknown- 0.7%
 Overload- 0.0%
 Planned Work- 0.5%
 Trees- 0.0%
 Utility Equipment- 80.5%
 Vehicle- 0.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 276.98
- 10.) **2016 SAIDI** 313.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.59
- 12.) **2016 SAIFI** 3.86
- 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-TOW)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1361
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Whitney Ave, 5th, 4th St, & Central Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 57
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 81.2%
- Other/Unknown- 8.6%
- Overload- 0.0%
- Planned Work- 10.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.70
- 10.) **2016 SAIDI** 354.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.77
- 12.) **2016 SAIFI** 2.84
- 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-TOW)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1397
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Strawberry Ln, & Mclean Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 92.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 7.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.96
- 10.) **2016 SAIDI** 117.80
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.35
- 12.) **2016 SAIFI** 1.80
- 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-TOW)** 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** 679
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 65.4%
- Overload- 0.0%
- Planned Work- 18.1%
- Trees- 2.0%
- Utility Equipment- 11.2%
- Vehicle- 3.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.03
- 10.) **2016 SAIDI** 34.06
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 12.) **2016 SAIFI** 0.39
- 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-TOW)** Jefferson - Rear of 3908 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SN0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 40th St & Garland Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 273
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 14.1%
- Non-Company- 0.0%
- Other/Unknown- 83.5%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.21
- 10.) **2016 SAIDI** 44.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34
- 12.) **2016 SAIFI** 0.81
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0421
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Burnett Ave, Brook St, & Lee St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 503
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 9.4%
- Non-Company- 0.0%
- Other/Unknown- 45.3%
- Overload- 0.0%
- Planned Work- 32.4%
- Trees- 0.0%
- Utility Equipment- 12.4%
- Vehicle- 0.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.14
- 10.) **2016 SAIDI** **83.45**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 12.) **2016 SAIFI** **1.34**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 2nd St & 3rd St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 766
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 81.9%
- Overload- 0.0%
- Planned Work- 14.2%
- Trees- 3.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.15
- 10.) **2016 SAIDI** **32.86**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 12.) **2016 SAIFI** **0.42**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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)** 41.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,116
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 3.0%
- Non-Company- 0.0%
- Other/Unknown- 22.8%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 21.7%
- Utility Equipment- 47.8%
- Vehicle- 0.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.79
- 10.) **2016 SAIDI** 93.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31
- 12.) **2016 SAIFI** 1.53
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 1412 Fairdale Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SP1117
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - South Park Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 581
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 13.9%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 47.1%
- Vehicle- 36.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.73
- 10.) **2016 SAIDI** **85.78**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.24
- 12.) **2016 SAIFI** **3.12**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHEPHERDSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bullitt - 1706 4th St. - Shepardsville
- 3.) **CIRCUIT NAME AND NUMBER** SV1121
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Hwy 44, Blue Lick Rd, & Buckman St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 951
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/04/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 77.7%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 6.8%
- Planned Work- 3.9%
- Trees- 5.6%
- Utility Equipment- 0.4%
- Vehicle- 5.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.26
- 10.) **2016 SAIDI** 125.35
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51
- 12.) **2016 SAIFI** 1.23
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1188
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Rockford Ln, Imperial Ter, & Dover Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,895
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/14/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 50.4%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 22.8%
- Utility Equipment- 16.2%
- Vehicle- 1.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.44
 - 10.) **2016 SAIDI** 48.36
 - 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61
 - 12.) **2016 SAIFI** **0.64**
 - 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Hazelwood Ave, Manslick Rd, & Brick Kiln Ln - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 10
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/14/2014
- 8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.43
- 10.) **2016 SAIDI** 26.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16
- 12.) **2016 SAIFI** 0.70
- 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-TOW)** 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** 1,535
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.7%
- Overload- 0.0%
- Planned Work- 19.8%
- Trees- 48.1%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.08
- 10.) **2016 SAIDI** 21.98
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
- 12.) **2016 SAIFI** 0.31
- 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-TOW)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1255
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Beulah Church Rd, & Fegenbush Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,561
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/26/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 20.6%
- Construction- 0.0%
- Lightning- 41.8%
- Non-Company- 0.0%
- Other/Unknown- 3.3%
- Overload- 5.1%
- Planned Work- 5.3%
- Trees- 0.2%
- Utility Equipment- 23.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.20
- 10.) **2016 SAIDI** 35.38
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 12.) **2016 SAIFI** 0.34
- 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-TOW)** 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** 1,493
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/04/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.1%
- Utility Equipment- 96.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.94
- 10.) **2016 SAIDI** 101.11
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91
- 12.) **2016 SAIFI** 1.24
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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** 1,828
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 8.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.4%
- Overload- 0.4%
- Planned Work- 4.3%
- Trees- 37.6%
- Utility Equipment- 24.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 134.10
- 10.) **2016 SAIDI** 112.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.67
- 12.) **2016 SAIFI** 1.90
- 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-TOW)** 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** 1,144
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.9%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 35.2%
- Utility Equipment- 51.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.27
- 10.) **2016 SAIDI** 111.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2016 SAIFI** 0.60
- 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-TOW)** 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** 571
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/04/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 42.8%
- Overload- 0.0%
- Planned Work- 15.8%
- Trees- 36.0%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 132.24
- 10.) **2016 SAIDI** 132.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91
- 12.) **2016 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-TOW)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1173
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hubbards Ln, Rudy Ln, Massie Ave, & Westport Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,945
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/11/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.9%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 43.5%
- Trees- 52.4%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 123.84
- 10.) **2016 SAIDI** 164.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.09
- 12.) **2016 SAIFI** 1.72
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pages Ln & Robbins Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 871
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/25/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 11.8%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 5.2%
- Other/Unknown- 11.1%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 15.2%
- Utility Equipment- 10.8%
- Vehicle- 44.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.32
- 10.) **2016 SAIDI** 94.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.77
- 12.) **2016 SAIFI** 1.51
- 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)** 18.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,681
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/04/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 7.5%
- Planned Work- 2.1%
- Trees- 82.1%
- Utility Equipment- 0.8%
- Vehicle- 2.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.60
- 10.) **2016 SAIDI** 79.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36
- 12.) **2016 SAIFI** 0.43
- 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-TOW)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1248
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenbelt Hwy, Greenwood Rd, & Cane Run Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 606
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 42.3%
- Utility Equipment- 53.0%
- Vehicle- 1.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.07
- 10.) **2016 SAIDI** 155.93
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2016 SAIFI** 0.95
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERMONT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - Rear 529 Southwestern Pkwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** VE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southwestern Pky - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 252
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011

8.) **2016 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- 81.0%
- Trees- 19.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.58
- 10.) **2016 SAIDI** 88.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51
- 12.) **2016 SAIFI** **0.53**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERMONT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 529 Southwestern Pkwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** VE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, 44th, 43rd, & 42nd St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 313
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2011
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 46.2%
- Non-Company- 0.0%
- Other/Unknown- 7.8%
- Overload- 0.0%
- Planned Work- 31.7%
- Trees- 8.3%
- Utility Equipment- 5.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.33
- 10.) **2016 SAIDI** 34.11
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2016 SAIFI** 0.43
- 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-TOW)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Garland Ave, 26th St, & Dr W J Hodge St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 607
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2010
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 33.1%
- Non-Company- 0.0%
- Other/Unknown- 63.0%
- Overload- 0.8%
- Planned Work- 3.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.99
- 10.) **2016 SAIDI** 119.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 12.) **2016 SAIFI** 1.61
- 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-TOW)** 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** 446
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2010
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 98.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.53
- 10.) **2016 SAIDI** 77.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2016 SAIFI** 1.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WHAS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** 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)** 35.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 904
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 0.0%
- Utility Equipment- 92.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.67
- 10.) **2016 SAIDI** 52.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71
- 12.) **2016 SAIFI** 0.18
- 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-TOW)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1178
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chamberlain Rd, Sweet Water Dr, & Shenandoa Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 685
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 0.0%
- Utility Equipment- 98.3%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.57
- 10.) **2016 SAIDI** **84.82**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.08
- 12.) **2016 SAIFI** 0.57
- 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-TOW)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1179
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chamberlain Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,020
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 7.6%
- Construction- 0.9%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 73.7%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 0.0%
- Utility Equipment- 17.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.51
- 10.) **2016 SAIDI** 18.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 12.) **2016 SAIFI** 0.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WORTHINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1183
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ballardsville Rd, Haunz Ln, & Hitt Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 36.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,607
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/08/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 7.1%
- Other/Unknown- 36.6%
- Overload- 24.9%
- Planned Work- 0.9%
- Trees- 0.4%
- Utility Equipment- 27.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 91.45
- 10.) **2016 SAIDI** **148.18**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2016 SAIFI** **1.53**
- 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-TOW** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd & Worthington Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,227
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/22/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 5.7%
- Non-Company- 0.0%
- Other/Unknown- 94.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.47
- 10.) **2016 SAIDI** 9.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2016 SAIFI** 0.05
- 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-TOW)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1151
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hurstbourne Pky, Watterson Trl, Ferndale Rd, & Johnson School Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,603
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/22/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 26.8%
- Utility Equipment- 68.4%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.19
- 10.) **2016 SAIDI** **114.02**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2016 SAIFI** **1.99**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOW)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1152
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Seatonville Rd, & Fern Creek Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,312
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/23/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 80.6%
- Trees- 0.0%
- Utility Equipment- 4.5%
- Vehicle- 14.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 123.50
- 10.) **2016 SAIDI** 9.18
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.13
- 12.) **2016 SAIFI** 2.03
- 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-TOW)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1153
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Watterson Trl, & Woodhaven Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,106
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.5%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 1.1%
- Utility Equipment- 6.7%
- Vehicle- 1.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 100.22
- 10.) **2016 SAIDI** **170.51**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.72
- 12.) **2016 SAIFI** **1.95**
- 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-TOW)** 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** 1,687
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/29/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 8.6%
- Utility Equipment- 85.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.17
- 10.) **2016 SAIDI** 55.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 12.) **2016 SAIFI** 0.23
- 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-TOW)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1210
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Hudson Ln, Fairground Rd & Janet Lee Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,981
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/16/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.3%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 6.7%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 0.5%
- Utility Equipment- 59.1%
- Vehicle- 25.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.55
- 10.) **2016 SAIDI** 114.66
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.13
- 12.) **2016 SAIFI** 2.44
- 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-TOW)** 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)** 24.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,454
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/26/2013
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 27.2%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 52.1%
- Utility Equipment- 18.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.25
- 10.) **2016 SAIDI** 23.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2016 SAIFI** 0.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 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 – 4.67 years

LGE Tree SAIDI – 15.22 minutes

LGE Tree SAIFI – 0.126

LGE Tree CAIDI – 120.6 minutes

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

Adjustments made to the tree plan in 2016 included

No changes made to plan.

Changes to be implemented in 2017

No changes made to plan. Continue to focus on hazard tree program.

SECTION 7: UTILITY COMMENTS

SAIDI, SAIFI and CAIDI all improved in 2016 compared to the previous 5 year average including major events. 232 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2016.