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MAY 01 2017

PUBLIC SERVICE
COMMISSION



Dr. Talina R. Mathews
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601

Kentucky Utilities Company
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
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Rick E. Lovekamp
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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 Kentucky Utilities Company's ("KU") 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 KU in Excel format.

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

Sincerely,

A handwritten signature in blue ink that reads 'Rick E. Lovekamp'.

Rick E. Lovekamp

KENTUCKY PUBLIC SERVICE COMMISSION
ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 1: CONTACT INFORMATION

UTILITY NAME	KENTUCKY UTILITIES COMPANY
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}	4.836
LAST DATE USED TO DETERMINE T_{MED}	1/1/2011
NUMBER OF MED IN REPORTING YEAR	12/31/2015
	1

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>530,529</u>	TOTAL CIRCUITS <u>1056</u>
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Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>87.17</u>	SAIDI	<u>99.40</u>
SAIFI	<u>0.823</u>	SAIFI	<u>0.858</u>

Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>124.3</u>	SAIDI	<u>106.18</u>
SAIFI	<u>0.941</u>	SAIFI	<u>0.882</u>

Notes:

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

BEGIN ON NEXT PAGE

- 1.) **SUBSTATION NAME AND NUMBER** AMERICAN AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0008
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - University Dr. - University of Kentucky Campus
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 686
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.3%
- Overload- 0.0%
- Planned Work- 65.4%
- Trees- 0.0%
- Utility Equipment- 24.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.39
- 10.) **2016 SAIDI** 29.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 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** AMERICAN AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0009
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Nicholasville Rd. - S of Station
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 878
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.2%
- Overload- 0.0%
- Planned Work- 54.9%
- Trees- 25.9%
- Utility Equipment- 6.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.03

10.) **2016 SAIDI** 167.81

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

12.) **2016 SAIFI** 2.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SCOTT STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 301 Scott St. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0017
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Broadway Rd. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 988
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/20/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.3%
- Overload- 0.0%
- Planned Work- 80.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 2.65
- 10.) **2016 SAIDI** 3.53
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2016 SAIFI** 0.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SCOTT STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 301 Scott St. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0018
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Limestone St. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 734
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.3%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 74.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.80
- 10.) **2016 SAIDI** 25.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.07
- 12.) **2016 SAIFI** 0.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KUNKEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2000 Versailles Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0019
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Versailles Rd. - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 175
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 4.2%
- Non-Company- 0.0%
- Other/Unknown- 35.1%
- Overload- 0.0%
- Planned Work- 8.9%
- Trees- 51.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.72
- 10.) **2016 SAIDI** 66.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 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** VINE STREET 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 112 E Vine St. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0021
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Vines St & Rose St - S of StSubstationation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 649
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/18/2014

8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.10
- 10.) **2016 SAIDI** 74.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2016 SAIFI** 1.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0024
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Old Mt. Tabor Rd & Turkeyfoot Rd. - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,509
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 8.4%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 75.0%
- Utility Equipment- 13.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.37
- 10.) **2016 SAIDI** 255.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 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** JOYLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2375 Paris Pike - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0025
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Beverly Ave. & Bryan Station Rd. - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,696
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/03/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 18.1%
- Construction- 0.0%
- Lightning- 13.2%
- Non-Company- 9.3%
- Other/Unknown- 24.3%
- Overload- 5.2%
- Planned Work- 0.4%
- Trees- 4.4%
- Utility Equipment- 25.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.60
- 10.) **2016 SAIDI** 40.84
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 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** KUNKEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2000 Versailles Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0026
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Duntreath Dr. & Pine Mt. Rd. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 572
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

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- 0.3%
- Trees- 97.4%
- Utility Equipment- 2.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.18
- 10.) **2016 SAIDI** 103.99
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 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** RACE STREET 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0030
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Midland Ave. & Winchester Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 783
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.8%
- Overload- 0.0%
- Planned Work- 9.9%
- Trees- 5.3%
- Utility Equipment- 10.5%
- Vehicle- 64.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.80
- 10.) **2016 SAIDI** 93.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 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** RACE STREET 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0031
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Corral St. & MLK Blvd. - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 446
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 6.8%
- Lightning- 88.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.97
- 10.) **2016 SAIDI** 10.62
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17
- 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** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0033
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Pepperhill Dr & Claiborne Way - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,506
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/02/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 78.2%
- Construction- 0.0%
- Lightning- 19.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 0.1%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.67

10.) **2016 SAIDI** 138.56

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

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** SCOTT STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 301 Scott St. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0035
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Sellers Alley & Simpson Ave. - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 422
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/23/2010

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- 42.4%
- Trees- 0.0%
- Utility Equipment- 57.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.54

10.) **2016 SAIDI** 160.87

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

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** HUGHES LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 251 Hughes Ln. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0037
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Mir Station Rd. & US 27 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 136.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,081
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 2.8%
- Lightning- 1.6%
- Non-Company- 3.7%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 78.0%
- Utility Equipment- 7.7%
- Vehicle- 1.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 144.00

10.) **2016 SAIDI** 152.72

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

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** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0044
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Nicholasville Rd . - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,610
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/10/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 36.7%
- Non-Company- 16.8%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 44.3%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 128.36
- 10.) **2016 SAIDI** 262.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.43
- 12.) **2016 SAIFI** 2.61
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** JOYLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2375 Paris Pike - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0047
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - US 27 & 68 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 233
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 34.6%
- Utility Equipment- 65.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.83

10.) **2016 SAIDI** 147.51

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

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** ASHLAND AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0049
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Euclid Ave. - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 839
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 2.2%
- Planned Work- 92.6%
- Trees- 2.6%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.91
- 10.) **2016 SAIDI** 294.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2016 SAIFI** 1.60

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEST HIGH STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 727 West High St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0054
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - West High St & Broadway - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 745
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/18/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 0.0%
- Utility Equipment- 0.5%
- Vehicle- 97.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.10

10.) **2016 SAIDI** 352.65

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

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** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baunmann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0055
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Fairman Rd & Leestown Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,191
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.1%
- Construction- 0.0%
- Lightning- 22.0%
- Non-Company- 0.0%
- Other/Unknown- 25.4%
- Overload- 0.0%
- Planned Work- 28.1%
- Trees- 6.1%
- Utility Equipment- 16.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.58

10.) **2016 SAIDI** 109.79

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

12.) **2016 SAIFI** 0.96

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0056
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lochness Dr. & New Circle Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,555
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 18.1%
- Construction- 2.0%
- Lightning- 64.4%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 9.9%
- Trees- 1.5%
- Utility Equipment- 3.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.79
- 10.) **2016 SAIDI** 17.44
- 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** IBM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 740 W New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0057
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - W Loudon Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 7
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/08/2013

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- 100.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.86
- 10.) **2016 SAIDI** 109.29
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 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** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baumann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0060
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Mercer Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 335
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/22/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 59.7%
- Utility Equipment- 38.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 127.84

10.) **2016 SAIDI** 99.91

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

12.) **2016 SAIFI** 1.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PROCTOR & GAMBLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 120 Zesta Pl - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0066
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Zesta Pl - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 6
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.5%
- Overload- 0.0%
- Planned Work- 77.5%
- Trees- 0.0%
- Utility Equipment- 6.4%
- Vehicle- 5.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.65
- 10.) **2016 SAIDI** 220.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26
- 12.) **2016 SAIFI** 1.17
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PROCTOR & GAMBLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 120 Zesta Pl - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0068
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Delware Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 384
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.9%
- Overload- 0.0%
- Planned Work- 65.8%
- Trees- 9.2%
- Utility Equipment- 11.0%
- Vehicle- 1.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.01

10.) **2016 SAIDI** 65.72

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

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** PICADOME 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0080
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lafayette Pky - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 922
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 65.0%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 5.0%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 27.4%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.85
- 10.) **2016 SAIDI** 43.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2016 SAIFI** 1.18
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2085 Parkers Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0083
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Versailles Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 254
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 32.3%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.1%
- Planned Work- 1.2%
- Trees- 29.4%
- Utility Equipment- 34.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 190.20
- 10.) **2016 SAIDI** 218.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.63
- 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** PROCTOR & GAMBLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 120 Zesta Pl - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0084
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Magnolia Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 243
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2014

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)** 20.29
- 10.) **2016 SAIDI** 26.85
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 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** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baumann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0089
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Baumann Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/01/2008

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- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 121.00
- 10.) **2016 SAIDI** 81.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 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** LIBERTY ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2125 Liberty Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0092
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circule Rd. & Winchester Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 802
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/15/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 76.8%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 0.0%
- Utility Equipment- 21.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.12
- 10.) **2016 SAIDI** 41.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67
- 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** STONEWALL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3060 Arrowhead Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0097
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - W New Circle Rd & Harrodsburg Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,883
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/10/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 52.3%
- Construction- 5.7%
- Lightning- 22.1%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.7%
- Utility Equipment- 18.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.07

10.) **2016 SAIDI** 61.83

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

12.) **2016 SAIFI** 0.74

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2085 Parkers Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0100
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Parkers Mill Rd & Alexandria Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,658
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/21/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 93.7%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.69

10.) **2016 SAIDI** 53.62

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

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** DONERAIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4601 Old Iron Works Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0104
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Georgetown Rd - N and S on Georgetown Rd from Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 401
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/17/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.4%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 54.9%
- Utility Equipment- 37.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 132.13
- 10.) **2016 SAIDI** 247.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.20
- 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** DONERAIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4601 Old Iron Works Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Iron Works Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 55.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 457
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/13/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 13.0%
- Non-Company- 0.0%
- Other/Unknown- 3.4%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 20.3%
- Utility Equipment- 5.4%
- Vehicle- 54.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 374.74

10.) **2016 SAIDI** 807.67

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.29

12.) **2016 SAIFI** 4.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STONEWALL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3060 Arrowhead Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0108
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tomahawk Tr & Harrodsburg Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 348
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 8.8%
- Construction- 0.0%
- Lightning- 48.3%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 0.0%
- Utility Equipment- 37.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.58
- 10.) **2016 SAIDI** 43.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 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** IBM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 740 W New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0110
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Russell Cave Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,067
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/08/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 8.4%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 3.9%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 7.6%
- Utility Equipment- 71.7%
- Vehicle- 7.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.72
- 10.) **2016 SAIDI** 49.89
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 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** ASHLAND AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0111
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Ashland Dr & Preston Ave. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 977
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/09/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.2%
- Overload- 0.0%
- Planned Work- 24.1%
- Trees- 6.7%
- Utility Equipment- 63.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.18

10.) **2016 SAIDI** 72.12

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

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** PICADOME 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0112
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Della Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,575
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 7.4%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 89.5%
- Utility Equipment- 2.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 201.33

10.) **2016 SAIDI** 461.19

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

12.) **2016 SAIFI** 2.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILSON DOWNING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 680 Wilson Downing Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0114
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Wilson Downing Rd , Bellueau Wood Dr, & Spangler Dr, W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,480
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2014

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- 0.1%
- Trees- 94.0%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.46

10.) **2016 SAIDI** 199.27

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

12.) **2016 SAIFI** 0.67

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0126
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Alumni Dr. & Shady Brook Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,503
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 25.5%
- Other/Unknown- 27.9%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 0.8%
- Utility Equipment- 41.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.70

10.) **2016 SAIDI** 53.06

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

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** LOUDON AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 811 E Loudon Ave - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0127
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Floyd Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,568
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.0%
- Lightning- 28.1%
- Non-Company- 0.0%
- Other/Unknown- 25.8%
- Overload- 0.7%
- Planned Work- 5.1%
- Trees- 19.6%
- Utility Equipment- 12.1%
- Vehicle- 4.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.02
- 10.) **2016 SAIDI** **78.45**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
- 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** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0132
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 58.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,096
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.1%
- Lightning- 3.8%
- Non-Company- 0.0%
- Other/Unknown- 53.8%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 36.7%
- Utility Equipment- 2.8%
- Vehicle- 1.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.71
- 10.) **2016 SAIDI** 70.14
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49
- 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** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0135
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd & Man O War Blvd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,251
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/18/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.1%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 2.5%
- Utility Equipment- 95.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.59

10.) **2016 SAIDI** 216.42

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

12.) **2016 SAIFI** 1.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILSON DOWNING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 680 Wilson Downing Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0137
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Man O War Blvd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,488
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 7.9%
- Vehicle- 91.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.71

10.) **2016 SAIDI** 60.38

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

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** RACE STREET 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0139
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Midland Ave. , Mian St. & water St. - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 12
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

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)** 34.45

10.) **2016 SAIDI** 31.67

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

12.) **2016 SAIFI** 1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND PIPE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0142
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tates Creek Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,762
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/31/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 10.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.6%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 0.0%
- Utility Equipment- 78.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.30
- 10.) **2016 SAIDI** 30.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 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** CLAYS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4454 Clays Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0147
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - clays Mill Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,392
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.6%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 92.2%
- Trees- 0.5%
- Utility Equipment- 3.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.70

10.) **2016 SAIDI** 66.96

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

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** DANVILLE 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0161
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - 2nd St - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 157
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 71.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.9%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 0.0%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.43
- 10.) **2016 SAIDI** 106.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66
- 12.) **2016 SAIFI** 2.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0162
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - 4th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,201
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.3%
- Lightning- 14.1%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 78.9%
- Utility Equipment- 3.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.85

10.) **2016 SAIDI** 63.98

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

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** DANVILLE 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0163
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Russel St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 105
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 36.6%
- Overload- 0.0%
- Planned Work- 63.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.86

10.) **2016 SAIDI** 21.09

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

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** DANVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 1353 Lebanon Rd - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0167
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Lebanon Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 23
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

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)** 22.03
- 10.) **2016 SAIDI** 50.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 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** DANVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 1353 Lebanon Rd - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0168
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - S Danville Bypass - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 18
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

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)** 3.34

10.) **2016 SAIDI** 7.67

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06

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** ASHLAND AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0187
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - High St. - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 780
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/09/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.3%
- Planned Work- 1.1%
- Trees- 0.0%
- Utility Equipment- 0.4%
- Vehicle- 96.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.91

10.) **2016 SAIDI** 68.13

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

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** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0188
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Regency Rd. - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 733
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 40.1%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 4.4%
- Trees- 0.0%
- Utility Equipment- 50.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.91

10.) **2016 SAIDI** 91.77

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

12.) **2016 SAIFI** 3.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HUME ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2319 Hume Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0191
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Hume Rd & Winchester Rd - N & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 87
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/25/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 1.2%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 2.1%
- Utility Equipment- 94.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 162.87

10.) **2016 SAIDI** 137.59

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.45

12.) **2016 SAIFI** 2.98

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LONDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Near corner of Foster Heights & Substation Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0200
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - Main St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 496
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 5.0%
- Other/Unknown- 30.7%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 6.6%
- Utility Equipment- 44.3%
- Vehicle- 12.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.04
- 10.) **2016 SAIDI** 272.07
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.32
- 12.) **2016 SAIFI** 3.90

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LONDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Near corner of Foster Heights & Substation Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0201
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - Waterworks Rd & Daniel Boone PKWY - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,021
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 1.2%
- Non-Company- 0.0%
- Other/Unknown- 25.6%
- Overload- 0.0%
- Planned Work- 5.6%
- Trees- 45.4%
- Utility Equipment- 21.7%
- Vehicle- 0.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 171.00

10.) **2016 SAIDI** 329.67

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

12.) **2016 SAIFI** 2.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LONDON 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Near corner of Foster Heights & Substation Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0204
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - McWhorter Rd & Main St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,413
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/29/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.8%
- Lightning- 78.1%
- Non-Company- 0.1%
- Other/Unknown- 7.9%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 6.0%
- Utility Equipment- 3.6%
- Vehicle- 1.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.33
- 10.) **2016 SAIDI** 94.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2016 SAIFI** 1.19

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

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** CAMPBELLSVILLE 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 620 Clem Haskins Blvd. - Campbellsville
- 3.) **CIRCUIT NAME AND NUMBER** 0206
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Campbellsville - Broadway St & Airport Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 852
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 84.9%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 12.2%
- Utility Equipment- 1.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.14
- 10.) **2016 SAIDI** 93.46
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.99
- 12.) **2016 SAIFI** 1.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLUMBIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 114 Lindsey Wilson St - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 0209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - KY HWY 3491 & KY 55 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 928
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 1.3%
- Non-Company- 0.0%
- Other/Unknown- 7.8%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 63.7%
- Utility Equipment- 23.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.49
- 10.) **2016 SAIDI** 62.52
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.53
- 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** CARON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 1136 South Laurel Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0210
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - S Laurel Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 739
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/24/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 3.0%
- Planned Work- 0.1%
- Trees- 2.5%
- Utility Equipment- 28.9%
- Vehicle- 64.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.78

10.) **2016 SAIDI** 294.70

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

12.) **2016 SAIFI** 2.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARISTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 57 Rocky Branch Rd - North Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** North Corbin - S Laurel Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 90
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/20/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 52.5%
- 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- 47.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.53
- 10.) **2016 SAIDI** 8.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 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** EAST BERNSTADT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 440 State HWY 490 - East Bernstadt
- 3.) **CIRCUIT NAME AND NUMBER** 0221
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** East Bernstadt - US HWY 25 - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 877
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.1%
- Lightning- 0.7%
- Non-Company- 0.1%
- Other/Unknown- 42.2%
- Overload- 0.0%
- Planned Work- 5.3%
- Trees- 5.3%
- Utility Equipment- 45.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.55

10.) **2016 SAIDI** 107.55

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

12.) **2016 SAIFI** 1.65

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Savoy Clear Creek Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 68
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 10.2%
- Construction- 2.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 23.4%
- Utility Equipment- 60.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.85
- 10.) **2016 SAIDI** 28.53
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 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** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0230
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Highway 92 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 760
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2012
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 2.4%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 13.2%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 72.7%
- Utility Equipment- 9.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 216.23
- 10.) **2016 SAIDI** 230.66
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.79
- 12.) **2016 SAIFI** 0.84
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of 175 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0231
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Savoy Clear Creek Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2012
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.0%
 Construction- 0.0%
 Lightning- 89.5%
 Non-Company- 0.0%
 Other/Unknown- 0.0%
 Overload- 0.0%
 Planned Work- 0.0%
 Trees- 0.0%
 Utility Equipment- 10.5%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.25
- 10.) **2016 SAIDI** 76.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 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** PICADOME 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0232
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Harrodsburg Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,045
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/07/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 49.6%
- Utility Equipment- 9.0%
- Vehicle- 35.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.30
- 10.) **2016 SAIDI** 89.98
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.93
- 12.) **2016 SAIFI** 1.26

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

Reliability Improvements Completed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of 2nd and 3rd St - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0236
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - 2nd St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 185
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/09/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 96.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.07
- 10.) **2016 SAIDI** 147.08
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29
- 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** MANCHESTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clay - 1195 HWY 687 (Town Branch Rd) - Manchester
- 3.) **CIRCUIT NAME AND NUMBER** 0250
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Manchester - Town Branch Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,082
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/23/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.2%
- Lightning- 12.3%
- Non-Company- 15.7%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 62.1%
- Utility Equipment- 2.1%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.43
- 10.) **2016 SAIDI** 107.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54
- 12.) **2016 SAIFI** 0.58
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANCHESTER SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clay - 530 Muddy Gap Rd - Manchester
- 3.) **CIRCUIT NAME AND NUMBER** 0253
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Manchester - US HWY 421 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 583
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/08/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.3%
- Lightning- 21.0%
- Non-Company- 0.0%
- Other/Unknown- 11.4%
- Overload- 0.0%
- Planned Work- 5.4%
- Trees- 50.2%
- Utility Equipment- 1.6%
- Vehicle- 10.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 105.05
- 10.) **2016 SAIDI** 149.96
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.98
- 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** CORBIN EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0275
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - Barbourville Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 872
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/20/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 1.3%
- Non-Company- 0.5%
- Other/Unknown- 78.1%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 1.4%
- Utility Equipment- 14.3%
- Vehicle- 0.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 185.60
- 10.) **2016 SAIDI** 617.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.19
- 12.) **2016 SAIFI** 3.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0276
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - Pennington Rd & Industrial Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 51.7%
- Lightning- 21.1%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 20.5%
- Utility Equipment- 1.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 147.17
- 10.) **2016 SAIDI** 347.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.99
- 12.) **2016 SAIFI** 2.79
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0277
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - State HWY 1232 & Hancock - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 728
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.1%
- Other/Unknown- 25.3%
- Overload- 0.0%
- Planned Work- 3.7%
- Trees- 43.7%
- Utility Equipment- 25.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.30
- 10.) **2016 SAIDI** 104.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94
- 12.) **2016 SAIFI** 0.99
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0279
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - Pennington Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 449
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 39.9%
- Overload- 0.0%
- Planned Work- 7.7%
- Trees- 16.1%
- Utility Equipment- 32.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.41
- 10.) **2016 SAIDI** 48.31
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
- 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** VAKSDAHL AVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 100 Vaksdahl Ave - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0280
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Vaksdahl Ave & Perryville St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 709
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 36.4%
- Construction- 0.0%
- Lightning- 13.0%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 47.9%
- Trees- 0.0%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.50
- 10.) **2016 SAIDI** 10.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 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** HOPEWELL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Corner of American Greeting Rd and Hopewell Church Rd - North Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** North Corbin - American Greeting Rd and I75 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,374
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 5.4%
- Construction- 1.2%
- Lightning- 67.3%
- Non-Company- 0.0%
- Other/Unknown- 8.5%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 13.5%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 70.14
- 10.) **2016 SAIDI** 74.85
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.75
- 12.) **2016 SAIFI** 0.51

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

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN US STEEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - S Woodbine Ave off HWY 830 - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0288
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - 0.15 miles E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 358
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/25/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.2%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 14.4%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 84.2%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.54
- 10.) **2016 SAIDI** 217.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 12.) **2016 SAIFI** 0.96
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of E Park Ave and Maple St - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0300
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Park Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 302
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 41.1%
- Overload- 2.5%
- Planned Work- 4.5%
- Trees- 21.8%
- Utility Equipment- 0.0%
- Vehicle- 27.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.72

10.) **2016 SAIDI** 163.38

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

12.) **2016 SAIFI** 2.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of E Park Ave and Maple St - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0301
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - US HWY 25E & KY HWY 66 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,167
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 61.2%
- Overload- 0.0%
- Planned Work- 25.8%
- Trees- 10.1%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.34

10.) **2016 SAIDI** 116.54

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.66

12.) **2016 SAIFI** 2.09

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

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of E Park Ave and Maple St - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0302
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - US HWY 25E - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 646
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/25/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.4%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 76.9%
- Utility Equipment- 14.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 252.15

10.) **2016 SAIDI** 656.99

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

12.) **2016 SAIFI** 3.17

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

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of E Park Ave and Maple St - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0303
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - US HWY 25E - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 533
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/14/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 0.0%
- Other/Unknown- 7.9%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 88.6%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 214.95

10.) **2016 SAIDI** 798.99

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

12.) **2016 SAIFI** 2.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CROCKETT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - On HWY 66 across the street from Chaz Coal Co - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0304
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 66 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 99
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/05/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 36.2%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 62.6%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1262.70

10.) **2016 SAIDI** 2382.87

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 4.70

12.) **2016 SAIFI** 5.49

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

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** CROCKETT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - On HWY 66 across the street from Chaz Coal Co - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0305
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 66 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 10
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2012

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- 0.0%
- Trees- 100.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 185.18
- 10.) **2016 SAIDI** 687.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2016 SAIFI** 1.90

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

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** MELDRUM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - HWY 25/Wilderness Rd S of HWY 2486 Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0308
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - US HWY 25E - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 448
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/16/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 33.0%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 64.9%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 172.72
- 10.) **2016 SAIDI** 269.45
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.41
- 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** GREASY CREEK 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - US HWY 25 at HWY 3085 - Pineville US HWY 25 AT HWY 3085 PINEVILLE
- 3.) **CIRCUIT NAME AND NUMBER** 0309
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 92 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 337
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/30/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.9%
- Non-Company- 0.0%
- Other/Unknown- 44.9%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 48.3%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 124.27

10.) **2016 SAIDI** 163.81

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

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** GREASY CREEK 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - US HWY 25 at HWY 3085 - Pineville US HWY 25 AT HWY 3085 PINEVILLE
- 3.) **CIRCUIT NAME AND NUMBER** 0310
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Mocking Bird - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 33
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2015

8.) **2016 OUTAGES BY CAUSE**

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

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

10.) **2016 SAIDI** 80.82

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

12.) **2016 SAIFI** 0.91

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	STINKING CREEK	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Knox - Croner of New US HWY 25 E and HWY 930 - Barboursville	
3.) CIRCUIT NAME AND NUMBER	0313	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Barboursville - US HWY 25E - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	35.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	843	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/30/2015	
8.) 2016 OUTAGES BY CAUSE		
	Animal- 0.2%	
	Construction- 0.0%	
	Lightning- 1.5%	
	Non-Company- 0.6%	
	Other/Unknown- 38.1%	
	Overload- 0.0%	
	Planned Work- 3.2%	
	Trees- 56.0%	
	Utility Equipment- 0.5%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		211.53
10.) 2016 SAIDI		364.27
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.21
12.) 2016 SAIFI		2.19
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Reliability Improvements Completed in 2016	

- 1.) **SUBSTATION NAME AND NUMBER** STINKING CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Croner of New US HWY 25 E and HWY 930 - Barbourville
- 3.) **CIRCUIT NAME AND NUMBER** 0314
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Barbourville - US HWY 25E & Stinking Creek Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 397
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 12.1%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.6%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 8.3%
- Trees- 4.1%
- Utility Equipment- 72.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 168.03

10.) **2016 SAIDI** 163.96

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

12.) **2016 SAIFI** 2.18

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

Reliability Improvements Completed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** DEER BRANCH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - HWY 66 0.5 miles S of Buffalo Hollow Rd, 7.5 miles N of HWY 221 - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0319
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 66 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 229
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2013
- 8.) **2016 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.1%
 - Non-Company- 0.0%
 - Other/Unknown- 29.5%
 - Overload- 0.0%
 - Planned Work- 10.9%
 - Trees- 54.4%
 - Utility Equipment- 5.2%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 456.42
- 10.) **2016 SAIDI** 576.31
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.48
- 12.) **2016 SAIFI** 3.89
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** PUCKETT CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - 5627 E HWY 72 Pathfork - Alva
- 3.) **CIRCUIT NAME AND NUMBER** 0321
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Alva - E Highway 72 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 58
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 78.7%
- Trees- 0.0%
- Utility Equipment- 18.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.28
- 10.) **2016 SAIDI** 46.66
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 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** PUCKETT CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - 5627 E HWY 72 Pathfork - Alva
- 3.) **CIRCUIT NAME AND NUMBER** 0322
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Alva - E Highway 72 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 307
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/25/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 11.9%
- Non-Company- 0.0%
- Other/Unknown- 85.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 2.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 233.26

10.) **2016 SAIDI** 311.44

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

12.) **2016 SAIFI** 1.37

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKONITE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 1742 Berea Rd - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 0334
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Battlefield Memorial Rd & Berea Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 917
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 94.0%
- Overload- 0.0%
- Planned Work- 5.7%
- Trees- 0.0%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.78

10.) **2016 SAIDI** 65.20

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

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** MIDDLESBORO 2 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0350
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Dorchester Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 454
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 71.8%
- Overload- 0.0%
- Planned Work- 20.8%
- Trees- 7.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.33
- 10.) **2016 SAIDI** 18.37
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16
- 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** MIDDLESBORO 2 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0351
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Dorchester Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 679
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.6%
- Non-Company- 2.4%
- Other/Unknown- 60.9%
- Overload- 0.0%
- Planned Work- 4.0%
- Trees- 3.8%
- Utility Equipment- 20.8%
- Vehicle- 5.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.23

10.) **2016 SAIDI** 141.79

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

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** MIDDLESBORO 2 12KV #2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0355
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Cumberland Ave & Belt Line Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,347
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/05/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 32.4%
- Non-Company- 0.0%
- Other/Unknown- 11.4%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 4.2%
- Utility Equipment- 3.0%
- Vehicle- 46.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.00

10.) **2016 SAIDI** 249.62

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

12.) **2016 SAIFI** 3.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 2 12KV #2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0356
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - S 38th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 567
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.6%
- Construction- 0.0%
- Lightning- 43.4%
- Non-Company- 0.0%
- Other/Unknown- 18.9%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 29.3%
- Utility Equipment- 4.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.84

10.) **2016 SAIDI** 42.67

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

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** MIDDLESBORO 2 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0360
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - State HWY 74 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 303
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 67.0%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 3.5%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 3.9%
- Trees- 6.0%
- Utility Equipment- 12.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 112.72
- 10.) **2016 SAIDI** 89.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.10
- 12.) **2016 SAIFI** 1.25
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 2 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0361
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Glenboro Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 169
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.3%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 81.3%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 230.24

10.) **2016 SAIDI** 938.44

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

12.) **2016 SAIFI** 2.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0364
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Nutwood Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 416
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/22/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 0.0%
- Utility Equipment- 96.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.65
- 10.) **2016 SAIDI** 98.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.01
- 12.) **2016 SAIFI** 1.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0366
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Asbury Rd & N 12th St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 473
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/06/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 9.0%
- Non-Company- 0.0%
- Other/Unknown- 54.2%
- Overload- 0.0%
- Planned Work- 14.9%
- Trees- 21.3%
- Utility Equipment- 0.0%
- Vehicle- 0.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.66

10.) **2016 SAIDI** 62.70

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

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** MIDDLESBORO 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0370
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - N 19th St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 614
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/03/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 78.5%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 11.4%
- Utility Equipment- 6.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.68
- 10.) **2016 SAIDI** 221.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.30
- 12.) **2016 SAIFI** 3.48
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0372
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Lynnwood Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 510
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/22/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.1%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 27.0%
- Trees- 68.5%
- Utility Equipment- 3.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.78
- 10.) **2016 SAIDI** 30.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 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** MELDRUM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - HWY 25/Wilderness Rd S of HWY 2486 Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0390
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - S of Substation on US HWY 25E and E of Substation Colmar Rd
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 773
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/16/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 24.3%
- Non-Company- 0.0%
- Other/Unknown- 22.2%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 52.4%
- Utility Equipment- 0.4%
- Vehicle- 0.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 288.79

10.) **2016 SAIDI** 407.03

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.75

12.) **2016 SAIFI** 1.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DELAPLAIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 413 Triport Cir - Sadieville
- 3.) **CIRCUIT NAME AND NUMBER** 0403
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sadieville - 0.41 Miles N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2009

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.0%
- Overload- 0.0%
- Planned Work- 74.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 140.50

10.) **2016 SAIDI** 292.00

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

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** FORKS OF ELKHORN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Franklin - 3286 Georgetown Rd - Frankfort
- 3.) **CIRCUIT NAME AND NUMBER** 0405
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Frankfort - Switzer Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 604
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 95.6%
- Utility Equipment- 2.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 141.88
- 10.) **2016 SAIDI** 259.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.01
- 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** FORKS OF ELKHORN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Franklin - 3286 Georgetown Rd - Frankfort
- 3.) **CIRCUIT NAME AND NUMBER** 0406
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Frankfort - Steadmantown Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 772
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2008

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 29.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 64.9%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.79
- 10.) **2016 SAIDI** 112.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2016 SAIFI** 1.29

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

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** DAYHOIT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Dayhoit Dr (Keith Tremont Rd) - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 0414
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - US HWY 119 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 592
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2014
- 8.) **2016 OUTAGES BY CAUSE**
- Animal- 0.3%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 32.1%
 - Overload- 0.0%
 - Planned Work- 5.5%
 - Trees- 44.2%
 - Utility Equipment- 18.0%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 222.02
- 10.) **2016 SAIDI** 295.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.52
- 12.) **2016 SAIFI** 2.06
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Reliability Improvements Completed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** DAYHOIT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Dayhoit Dr (Keith Tremont Rd) - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 0415
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - S US HWY 119 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 421
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/14/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 30.5%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 65.5%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 170.35

10.) **2016 SAIDI** 392.11

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

12.) **2016 SAIFI** 3.58

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Off Slack Hollow Rd just N of S Old US HWY 421 - Cawood
- 3.) **CIRCUIT NAME AND NUMBER** 0418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cawood - US HWY 421 Bypass - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 717
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/20/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.9%
- Other/Unknown- 47.8%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 49.0%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 344.11
- 10.) **2016 SAIDI** 279.31
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.86
- 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** KENTENIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Near HWY 219 on Meadow Creek Ln (Wilson Ln) - Wallins Creek
- 3.) **CIRCUIT NAME AND NUMBER** 0422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wallins Creek - HWY 219 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,127
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.0%
- Overload- 0.0%
- Planned Work- 20.4%
- Trees- 58.0%
- Utility Equipment- 6.3%
- Vehicle- 0.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 238.77

10.) **2016 SAIDI** 480.97

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

12.) **2016 SAIFI** 2.51

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTENIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Near HWY 219 on Meadow Creek Ln (Wilson Ln) - Wallins Creek
- 3.) **CIRCUIT NAME AND NUMBER** 0423
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wallins Creek - E on Wilson Ln & S on HWY 219
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 215
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/15/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 18.0%
- Trees- 78.1%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 279.60
- 10.) **2016 SAIDI** 449.71
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.86
- 12.) **2016 SAIFI** 2.56
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEMONS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 125 Carley Ct - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0440
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - McClelland Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,449
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.2%
- Lightning- 69.8%
- Non-Company- 0.0%
- Other/Unknown- 21.7%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.4%
- Utility Equipment- 7.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.89
- 10.) **2016 SAIDI** 70.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73
- 12.) **2016 SAIFI** 1.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PEPPER PIKE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 4341 Frankfort Rd - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0460
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Frankfort Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 41.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 741
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 8.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 87.3%
- Utility Equipment- 3.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.87
- 10.) **2016 SAIDI** 137.57
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.86
- 12.) **2016 SAIFI** 1.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PEPPER PIKE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 4341 Frankfort Rd - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0461
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - E on US HWY 460 & S on Fishers Mill Rd
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 51.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 556
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/14/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 5.5%
- Overload- 0.0%
- Planned Work- 35.2%
- Trees- 38.2%
- Utility Equipment- 15.7%
- Vehicle- 4.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 121.24
- 10.) **2016 SAIDI** 154.62
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.39
- 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** BLACK MOUNTAIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Black Mountain Rd - Lynch
- 3.) **CIRCUIT NAME AND NUMBER** 0467
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lynch - Radar Station Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 76.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 23.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 413.58
- 10.) **2016 SAIDI** 1486.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 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** TOTZ
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - HWY 119 about 1/4 miles S on unnamed Rd on W side of Loop Dione
- 3.) **CIRCUIT NAME AND NUMBER** 0468
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Poor Fork - N US HWY 119 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 74
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 3.5%
- Trees- 0.0%
- Utility Equipment- 94.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 177.85
- 10.) **2016 SAIDI** 96.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03
- 12.) **2016 SAIFI** 1.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHADRACK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Franklin - 74 Bethel Ln - Frankfort
- 3.) **CIRCUIT NAME AND NUMBER** 0476
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Frankfort - S on US HWY 127 & N on Peaks Mill Rd
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 54.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 686
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 28.9%
- Non-Company- 10.6%
- Other/Unknown- 22.2%
- Overload- 0.0%
- Planned Work- 5.7%
- Trees- 1.7%
- Utility Equipment- 28.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 181.95
- 10.) **2016 SAIDI** 148.20
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.20
- 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** STAMPING GROUND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 3540 Main St - Stamping Ground
- 3.) **CIRCUIT NAME AND NUMBER** 0480
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stamping Ground - Owenton/HWY 227 N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 56.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 467
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.1%
- Lightning- 8.4%
- Non-Company- 0.0%
- Other/Unknown- 44.2%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 12.0%
- Utility Equipment- 5.4%
- Vehicle- 29.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 148.05

10.) **2016 SAIDI** 383.75

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

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** STAMPING GROUND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 3540 Main St - Stamping Ground
- 3.) **CIRCUIT NAME AND NUMBER** 0481
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stamping Ground - SE on Main St & N on Locust Fork Rd
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 97.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,232
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/01/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 1.6%
- Other/Unknown- 44.1%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.2%
- Utility Equipment- 25.6%
- Vehicle- 26.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 149.04
- 10.) **2016 SAIDI** 157.95
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.40
- 12.) **2016 SAIFI** 1.64
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HOLMES MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - 1/4 mile E of 25511 HWY 38 - Upper Clover
- 3.) **CIRCUIT NAME AND NUMBER** 0491
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Upper Clover - Highway 38 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 206
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/19/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 68.6%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 267.91

10.) **2016 SAIDI** 369.29

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

12.) **2016 SAIFI** 1.29

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

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** MIDWAY 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 860 Weisenburger Rd - Midway
- 3.) **CIRCUIT NAME AND NUMBER** 0503
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Midway - Weisenberger Mill Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 801
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.3%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 2.3%
- Overload- 0.1%
- Planned Work- 0.5%
- Trees- 7.0%
- Utility Equipment- 86.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.22
- 10.) **2016 SAIDI** 82.90
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.79
- 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** MIDWAY 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 860 Weisenburger Rd - Midway
- 3.) **CIRCUIT NAME AND NUMBER** 0516
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Midway - State HWY 341 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 786
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 8.0%
- Trees- 0.5%
- Utility Equipment- 0.2%
- Vehicle- 89.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.80
- 10.) **2016 SAIDI** 129.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.97
- 12.) **2016 SAIFI** 1.33
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** DENHAM STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 114 Adams St - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 0531
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - Monticello St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 202
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 7.4%
- Construction- 0.0%
- Lightning- 66.9%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 19.9%
- Trees- 5.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.83
- 10.) **2016 SAIDI** 13.03
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 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** WAYNESBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lincoln - On Old Somerset Rd (HWY 1247) just S of Clear Fork Rd - Waynesburg
- 3.) **CIRCUIT NAME AND NUMBER** 0547
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Waynesburg - KY HWY 1247 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 357
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 96.8%
- Utility Equipment- 1.3%
- Vehicle- 1.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 276.83
- 10.) **2016 SAIDI** 145.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.29
- 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** DANIEL BOONE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 500 Daniel Boone Rd - Nortonville
- 3.) **CIRCUIT NAME AND NUMBER** 0557
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nortonville - Dan Boone Rd, Squire Rd, Hwy 62 - NW&SE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 118
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/14/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 78.5%
- Overload- 8.1%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 13.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.28
- 10.) **2016 SAIDI** 225.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.47
- 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** EDDYVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lyon - 1765 S R 3305 - Eddyville
- 3.) **CIRCUIT NAME AND NUMBER** 0560
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Eddyville - US HWY 62 & Riley Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 458
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 1.9%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.9%
- Utility Equipment- 95.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.10

10.) **2016 SAIDI** 105.72

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

12.) **2016 SAIFI** 1.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WHITLEY CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCreary - Corner of US HWY 27 & Hicks Rd - Stearns-Whitley City
- 3.) **CIRCUIT NAME AND NUMBER** 0575
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stearns-Whitley City - Tunnel Ridge Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 623
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/31/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 32.5%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 20.6%
- Utility Equipment- 45.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 111.66

10.) **2016 SAIDI** 365.14

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

12.) **2016 SAIFI** 3.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WHITLEY CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCreary - Corner of US HWY 27 & Hicks Rd - Stearns-Whitley City
- 3.) **CIRCUIT NAME AND NUMBER** 0576
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stearns-Whitley City - US HWY 27 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 749
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/13/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 19.9%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 3.7%
- Trees- 75.4%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 478.73

10.) **2016 SAIDI** 708.21

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

12.) **2016 SAIFI** 3.75

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REVELO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCreary - N of 4850 S HWY 1651 - Stearns-Whitley City
- 3.) **CIRCUIT NAME AND NUMBER** 0577
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stearns-Whitley City - N & S on State HWY 1651
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 550
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 80.0%
- Utility Equipment- 17.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.20
- 10.) **2016 SAIDI** 96.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 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** WILMORE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jessamine - 210 W Linden St - Wilmore
- 3.) **CIRCUIT NAME AND NUMBER** 0586
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wilmore - Lexington Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 48.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,275
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/13/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 0.2%
- Utility Equipment- 56.4%
- Vehicle- 36.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.21
- 10.) **2016 SAIDI** 159.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2016 SAIFI** 1.42
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** INNOVATION DRIVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2350 Innovation Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0591
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Jaggie Fox Way - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 94
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/29/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 3.5%
- Trees- 86.9%
- Utility Equipment- 8.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.00

10.) **2016 SAIDI** 176.14

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

12.) **2016 SAIFI** 0.90

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** INNOVATION DRIVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2350 Innovation Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0594
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Greendale Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,693
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/29/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.9%
- Overload- 3.5%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 90.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.49
- 10.) **2016 SAIDI** 6.82
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05
- 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** MOUNT STERLING 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery 346 Calk Ave - Mount Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0600
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - Fogg Pike - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 842
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/07/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.5%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 17.2%
- Overload- 0.0%
- Planned Work- 26.0%
- Trees- 0.7%
- Utility Equipment- 1.0%
- Vehicle- 52.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.86

10.) **2016 SAIDI** 172.91

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

12.) **2016 SAIFI** 1.93

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMARGO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 555 S Queen St - Mt Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0605
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - 686 Bypass & Spencer Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 38.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,304
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/03/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 15.4%
- Lightning- 0.1%
- Non-Company- 39.6%
- Other/Unknown- 42.2%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 0.1%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.36

10.) **2016 SAIDI** 97.61

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

12.) **2016 SAIFI** 1.79

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OWINGSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 69 W Paul Lewis Dr - Owingsville
- 3.) **CIRCUIT NAME AND NUMBER** 0610
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owingsville - Slate Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 465
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/03/2016

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.6%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 97.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.60
- 10.) **2016 SAIDI** 24.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12
- 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** MOREHEAD WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rowan - 133 Gregory Ct - Morehead
- 3.) **CIRCUIT NAME AND NUMBER** 0616
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - US HWY 60 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 394
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 79.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 0.0%
- Utility Equipment- 18.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.51
- 10.) **2016 SAIDI** 18.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39
- 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** MOREHEAD 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rowan - 100 E Wilkinson Blvd - Morehead
- 3.) **CIRCUIT NAME AND NUMBER** 0618
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - Wilkinson Blvd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 111
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/18/2012

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- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.74

10.) **2016 SAIDI** 7.67

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06

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** ROCKWELL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 5835 Rockwell Rd - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0626
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Lexington Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 596
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/29/2016

8.) **2016 OUTAGES BY CAUSE**

- Animal- 21.5%
- Construction- 0.0%
- Lightning- 10.5%
- Non-Company- 0.0%
- Other/Unknown- 22.0%
- Overload- 9.1%
- Planned Work- 12.2%
- Trees- 23.3%
- Utility Equipment- 1.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.10
- 10.) **2016 SAIDI** **96.20**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2016 SAIFI** **0.71**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKER SEAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 390 Mt Sterling Rd - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0630
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Cherry St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,414
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 3.5%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 11.2%
- Utility Equipment- 0.3%
- Vehicle- 81.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.26
- 10.) **2016 SAIDI** 88.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 12.) **2016 SAIFI** 1.18
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 2 Almond St - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0634
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Maple St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 252
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/03/2016

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- 7.6%
- Trees- 0.0%
- Utility Equipment- 92.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.56
- 10.) **2016 SAIDI** 34.98
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26
- 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** WINCHESTER SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 105 Hood Ave - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0636
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Boone Ave & S Main St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 313
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2011

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- 20.6%
- Trees- 1.6%
- Utility Equipment- 4.8%
- Vehicle- 73.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.48
- 10.) **2016 SAIDI** 54.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2016 SAIFI** 1.20
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 105 Hood Ave - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0637
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Belmont Ave & S Burns Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 381
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/01/2015

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)** 2.51
- 10.) **2016 SAIDI** 1.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 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** WINCHESTER WATER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 335 Waterworks Rd - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0641
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Old Boonesboro Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,089
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/30/2016

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 53.6%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 39.1%
- Utility Equipment- 0.6%
- Vehicle- 0.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.46
- 10.) **2016 SAIDI** 41.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45
- 12.) **2016 SAIFI** 0.52
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER WATER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 335 Waterworks Rd - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0642
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Waterworks Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 205
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 10.8%
- Non-Company- 0.0%
- Other/Unknown- 7.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 67.6%
- Utility Equipment- 12.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.07
- 10.) **2016 SAIDI** 75.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.47
- 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** BOONESBORO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 170 Settlers Ln. - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0643
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Town - Road - General Area
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 110
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/15/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 1.3%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 7.6%
- Trees- 85.6%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 115.49

10.) **2016 SAIDI** 83.80

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

12.) **2016 SAIFI** 0.59

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

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 705 Tech Dr - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0645
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Tech Dr, Rolling Hills Ln, Corporate Dr - W of Subs.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 14
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 49.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 50.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.81
- 10.) **2016 SAIDI** 7.93
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.04
- 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** MUHLENBERG PRISON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 1200 River Rd - Central City
- 3.) **CIRCUIT NAME AND NUMBER** 0657
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Central City - Hwy 431, S R 81, & S Carrolton St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 786
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/27/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 75.0%
- Non-Company- 0.0%
- Other/Unknown- 6.4%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 12.6%
- Utility Equipment- 2.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 185.97

10.) **2016 SAIDI** 387.61

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.70

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** CAMARGO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 555 S Queen St - Mt Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0658
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt Sterling - US 460 Hwy, By-Pass, Burley Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 313
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/09/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 45.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 54.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 6.80
- 10.) **2016 SAIDI** 4.66
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2016 SAIFI** **0.12**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SIMMONS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 5798 US HWY 62 W - Centertown
- 3.) **CIRCUIT NAME AND NUMBER** 0698
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centertown - US HWY 62 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 23
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/28/2012

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- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.32
- 10.) **2016 SAIDI** 3.57
- 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** BEDFORD RECC
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Trimble - 660 Cutshaw - Bedford
- 3.) **CIRCUIT NAME AND NUMBER** 0700
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bedford - City of Bedford/Highway 421N - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 881
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/28/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 12.6%
- Lightning- 10.8%
- Non-Company- 0.0%
- Other/Unknown- 6.7%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 5.5%
- Utility Equipment- 62.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.75
- 10.) **2016 SAIDI** **35.59**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2016 SAIFI** **0.22**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OWENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Owen - 327 Gayle Avenue - Owenton
- 3.) **CIRCUIT NAME AND NUMBER** 0715
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owenton - Madison St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 175
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/13/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.4%
- Overload- 0.0%
- Planned Work- 9.8%
- Trees- 0.0%
- Utility Equipment- 75.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.02
- 10.) **2016 SAIDI** 10.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 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** METAL & THERMIT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 2318 Highland Ave - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0722
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - Easterday Rd, Highland Ave - NE and SE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 435
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/27/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 3.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 18.6%
- Trees- 46.2%
- Utility Equipment- 18.7%
- Vehicle- 12.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.83
- 10.) **2016 SAIDI** 31.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 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** WARSAW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Gallatin - RR 1 Box 51 - Warsaw
- 3.) **CIRCUIT NAME AND NUMBER** 0727
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Warsaw - City of Warsaw - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 500
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/16/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 5.4%
- Non-Company- 0.0%
- Other/Unknown- 2.2%
- Overload- 3.5%
- Planned Work- 0.5%
- Trees- 1.9%
- Utility Equipment- 2.8%
- Vehicle- 83.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.10
- 10.) **2016 SAIDI** **60.28**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37
- 12.) **2016 SAIFI** **1.12**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WARSAW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Gallatin - RR 1 Box 51 - Warsaw
- 3.) **CIRCUIT NAME AND NUMBER** 0728
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Warsaw - Dry Creek Rd - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 92
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 7.3%
- Non-Company- 53.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 7.6%
- Trees- 32.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.25
- 10.) **2016 SAIDI** **120.56**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2016 SAIFI** **0.74**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILLERSBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bourbon - Vimont Ln. – Millersburg
- 3.) **CIRCUIT NAME AND NUMBER** 0808
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Millersburg - Old US Hwy 68/Vimont St/HWY 68/HWY 1879 - NE/NW/SW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 642
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/19/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 84.0%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 0.1%
- Utility Equipment- 12.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.10
- 10.) **2016 SAIDI** 161.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67
- 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** HANSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 235 Fowler Rd - Hanson
- 3.) **CIRCUIT NAME AND NUMBER** 0811
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hanson - US HWY 41 & City of Hanson - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 608
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/02/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 27.5%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.2%
- Utility Equipment- 69.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 126.95
- 10.) **2016 SAIDI** 408.01
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.99
- 12.) **2016 SAIFI** 1.09
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CROSSROADS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 1340 Amanda Ln - Nortonville
- 3.) **CIRCUIT NAME AND NUMBER** 0812
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nortonville - Wells Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 78
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/25/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.3%
- Non-Company- 0.0%
- Other/Unknown- 97.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.97
- 10.) **2016 SAIDI** 204.38
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 12.) **2016 SAIFI** 1.09
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DOZIER HEIGHTS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 200 Claire Ln - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0815
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Country Club Ln, US 41A - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 656
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 73.9%
- Non-Company- 0.0%
- Other/Unknown- 18.7%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 2.3%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.43
- 10.) **2016 SAIDI** 67.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 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** EAST DIAMOND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 550 East Diamond Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0827
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Hwy 85, Hwy 892, & Hwy 1221 - NE & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 349
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/27/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 7.0%
- Non-Company- 0.0%
- Other/Unknown- 59.0%
- Overload- 12.8%
- Planned Work- 4.1%
- Trees- 4.2%
- Utility Equipment- 12.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.42

10.) **2016 SAIDI** 114.56

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

12.) **2016 SAIFI** 1.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SYLVANIA 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 439 E Washington St - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0847
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - E Washington, E Broadway St, Hickman St - SW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,431
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 85.2%
- Overload- 0.0%
- Planned Work- 11.7%
- Trees- 1.3%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.70
- 10.) **2016 SAIDI** 58.05
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2016 SAIFI** 1.09
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SYLVANIA 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 439 E Washington St - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0849
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Ecton Rd, Iron Works Rd - NE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,038
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 2.6%
- Non-Company- 0.0%
- Other/Unknown- 15.6%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 38.3%
- Utility Equipment- 42.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.59
- 10.) **2016 SAIDI** 53.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 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** CYNTHIANA 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - 208 McIlvain Blvd - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0852
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - Main St, N Poplar St, W Pleasant St - NNW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 513
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.7%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 91.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.52

10.) **2016 SAIDI** 128.48

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

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** CYNTHIANA 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - 208 McIlvain Blvd - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0854
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - Water Works Ave, Ney Lair Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 37
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2009

8.) **2016 OUTAGES BY CAUSE**

- Animal- 83.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 16.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.47
- 10.) **2016 SAIDI** 28.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 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** CYNTHIANA 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - 208 McIlvain Blvd - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0855
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - City of Cynthiana (Eastern) - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,300
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/30/2009

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 1.6%
- Planned Work- 0.9%
- Trees- 0.3%
- Utility Equipment- 96.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.45
- 10.) **2016 SAIDI** 99.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54
- 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** KAWNEER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - RR 7 Box 729 White Oak Pike - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0856
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - Western Ave, Ladish Rd, Hwy 27 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 437
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/08/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 9.6%
- Trees- 60.2%
- Utility Equipment- 26.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.63
- 10.) **2016 SAIDI** 45.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
- 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** WEST HICKMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3172 Ashgrove Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0864
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lauderdale Dr, Whitfield Dr, Ridgewater Dr - NW of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,107
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/27/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 98.2%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.72
- 10.) **2016 SAIDI** 41.77
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2016 SAIFI** 0.47

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

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** SHANNON RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 2770 Shannon Run Rd - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0867
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - Shannon Run, Hwy 169 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 359
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/01/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 16.5%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 70.8%
- Utility Equipment- 0.6%
- Vehicle- 9.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 183.36
- 10.) **2016 SAIDI** 249.07
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2016 SAIFI** 0.93
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRYANT ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3097 Helmsdale Pl. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0873
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Bryant Rd & 175 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,766
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.0%
- Planned Work- 21.2%
- Trees- 0.0%
- Utility Equipment- 74.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.92
- 10.) **2016 SAIDI** 7.24
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 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** BRYANT ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3097 Helmsdale Pl. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0874
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Todds Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,378
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 7.0%
- Lightning- 0.0%
- Non-Company- 44.6%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 14.8%
- Utility Equipment- 31.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 73.27
- 10.) **2016 SAIDI** 299.96
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.05
- 12.) **2016 SAIFI** 4.19
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARLISLE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nicholas - 104 S Elm St - Carlisle
- 3.) **CIRCUIT NAME AND NUMBER** 0876
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carlisle - Main St, Eastern Ave - ENE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 431
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2009

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 1.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 38.7%
- Trees- 0.0%
- Utility Equipment- 57.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.91
- 10.) **2016 SAIDI** **41.62**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2016 SAIFI** **2.05**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 210 Cox Alley - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0901
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Maddox Aly, 4th St, Plum St, Mulberry St- SE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 412
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/06/2014

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- 0.0%
- Vehicle- 100.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.83

10.) **2016 SAIDI** 27.93

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

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** MAYSVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 210 Cox Alley - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0902
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Washington St, E 6th, Edgemont Rd - SW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 166
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/06/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 36.7%
- Non-Company- 0.0%
- Other/Unknown- 5.3%
- Overload- 0.0%
- Planned Work- 8.7%
- Trees- 38.6%
- Utility Equipment- 10.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.46
- 10.) **2016 SAIDI** 22.31
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2016 SAIFI** 0.19
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 210 Cox Alley - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0903
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - W 2nd St, W Mcdonald Pkwy - NW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 366
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/06/2014

8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.08
- 10.) **2016 SAIDI** 40.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 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** MAYSVILLE MID
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 314 Lexington St - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0906
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - E Reynolds dr, Elizabeth St, Center St, Union St - E of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 76
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

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)** 22.59
- 10.) **2016 SAIDI** 99.53
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28
- 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** MAYSVILLE MID
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 314 Lexington St - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0907
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Buckley Pl, Hwy 11, Bank St - W & S of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 234
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 21.6%
- Overload- 0.0%
- Planned Work- 76.7%
- Trees- 0.0%
- Utility Equipment- 1.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.42
- 10.) **2016 SAIDI** 128.35
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 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** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0921
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - W Maple Leaf Rd, Jersey Ridge Rd - E&NE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 885
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2016

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 95.5%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 2.4%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.79
- 10.) **2016 SAIDI** 54.11
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 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** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0924
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Old US 68, Clarks Run Rd, Slack Pike - S&W of Subst..
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 63.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 894
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/30/2016
- 8.) **2016 OUTAGES BY CAUSE**
- Animal- 1.0%
 - Construction- 0.0%
 - Lightning- 45.4%
 - Non-Company- 0.0%
 - Other/Unknown- 14.6%
 - Overload- 0.0%
 - Planned Work- 0.4%
 - Trees- 15.6%
 - Utility Equipment- 23.1%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 194.95
- 10.) **2016 SAIDI** 511.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.56
- 12.) **2016 SAIFI** 3.60
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARNTOWN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pendleton - 15125 Hwy 8 - Foster
- 3.) **CIRCUIT NAME AND NUMBER** 0947
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Foster - Hwy 8 - NNW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 639
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/30/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 1.8%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 89.0%
- Utility Equipment- 7.5%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 596.07
- 10.) **2016 SAIDI** 495.80
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.58
- 12.) **2016 SAIFI** 3.69
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLEMINGSBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fleming - 523 Fountain Ave - Flemingsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0961
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Flemingsburg - Water St - Fountain Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 451
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 55.2%
- Non-Company- 3.3%
- Other/Unknown- 14.2%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 18.8%
- Utility Equipment- 7.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.71
- 10.) **2016 SAIDI** 36.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 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** WEDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 6964 KY Hwy 11 - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0966
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Flemingsburg - Hwy 170, City of Ewing - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 525
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 20.3%
- Utility Equipment- 78.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 136.79

10.) **2016 SAIDI** 305.00

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

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** VINE STREET 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 112 E Vine St. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 1202
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Water St - E of Substation, Ayers Aly - E of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 22
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

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)** 36.54
- 10.) **2016 SAIDI** 36.95
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 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** BARLOW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ballard - 433 Oscar Rd. - Barlow
- 3.) **CIRCUIT NAME AND NUMBER** 1310
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Barlow - US Hwy 60 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/29/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 1.5%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 97.76

10.) **2016 SAIDI** 172.89

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

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** FORESTDALE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCracken - 4250 Rice Springs Rd - Kevil
- 3.) **CIRCUIT NAME AND NUMBER** 1320
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Kevil - SR 1154, SR 996, & Cairo Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 41.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 918
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/21/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 8.0%
- Construction- 0.0%
- Lightning- 44.8%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 40.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.15
- 10.) **2016 SAIDI** 26.86
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 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** WICKLIFFE CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ballard - Mayola Ave - Wickliffe
- 3.) **CIRCUIT NAME AND NUMBER** 1325
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wickliffe - 4th St, Greene St, US 60, & County Farm Rd - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 317
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2007

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 26.6%
- Non-Company- 0.0%
- Other/Unknown- 37.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 27.3%
- Utility Equipment- 0.1%
- Vehicle- 7.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.36

10.) **2016 SAIDI** **141.79**

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

12.) **2016 SAIFI** **0.45**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 501 HWY 189 Bypass - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1327
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - HWY 601, S R 181, & Luzerne Depoy Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 42.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 795
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.8%
- Lightning- 81.0%
- Non-Company- 0.0%
- Other/Unknown- 10.2%
- Overload- 0.8%
- Planned Work- 1.0%
- Trees- 1.0%
- Utility Equipment- 0.4%
- Vehicle- 3.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 115.30

10.) **2016 SAIDI** 126.85

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

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** GREENVILLE NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 501 HWY 189 Bypass - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1328
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - S R 176 & Paradise Rd/St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 960
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.1%
- Lightning- 91.6%
- Non-Company- 0.0%
- Other/Unknown- 4.1%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 2.7%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 149.08

10.) **2016 SAIDI** 216.44

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

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** CHRISTIAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 1678 S R 493 - Wheatcroft
- 3.) **CIRCUIT NAME AND NUMBER** 1404
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wheatcroft - City of Wheatcroft - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 202
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 41.9%
- Non-Company- 0.0%
- Other/Unknown- 58.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 6.21
- 10.) **2016 SAIDI** 9.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2016 SAIFI** 0.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DIAMOND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 830 Bill Dorris Rd - Providence
- 3.) **CIRCUIT NAME AND NUMBER** 1410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Providence - Bill Dorris Rd, S R 109 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 127
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2009

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 53.5%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 43.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.75
- 10.) **2016 SAIDI** 53.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34
- 12.) **2016 SAIFI** 1.20
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TUNNEL HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henderson - 12990 HWY 416 W - Corydon
- 3.) **CIRCUIT NAME AND NUMBER** 1443
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corydon - US HWY 41 A & S R 416 - N & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 388
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/05/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 2.6%
- Non-Company- 0.0%
- Other/Unknown- 83.2%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 10.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.62

10.) **2016 SAIDI** 85.96

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

12.) **2016 SAIFI** 1.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIRLINE RD 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henderson - 1830 Clay St - Henderson
- 3.) **CIRCUIT NAME AND NUMBER** 1461
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Henderson - Clay St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 824
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 95.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.59
- 10.) **2016 SAIDI** 73.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.75
- 12.) **2016 SAIFI** 0.58
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEBREE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 199 N Railroad St - Sebree
- 3.) **CIRCUIT NAME AND NUMBER** 1472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sebree - SR 56, College St, Jefferson St, & Old Beech Grove Rd - W/E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 425
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 35.7%
- Non-Company- 0.0%
- Other/Unknown- 64.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 6.35

10.) **2016 SAIDI** 7.82

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

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** MADISONVILLE EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 300 Central City Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 1484
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Hwy 85 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 25
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/03/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 97.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.30
- 10.) **2016 SAIDI** 7.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2016 SAIFI** 0.16
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CROFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Christian - 13770 Madisonville Rd - Crofton
- 3.) **CIRCUIT NAME AND NUMBER** 1491
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crofton - Madisonville Rd, W Princeton St, W Mill St - S of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 266
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/08/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 94.5%
- Non-Company- 0.0%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.09

10.) **2016 SAIDI** 205.35

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

12.) **2016 SAIFI** 1.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CROFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Christian - 13770 Madisonville Rd - Crofton
- 3.) **CIRCUIT NAME AND NUMBER** 1492
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crofton - City of Crofton, Madisonville Rd - N&S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 466
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 74.8%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 24.8%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 133.62

10.) **2016 SAIDI** 197.68

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

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** PERDUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - S R 2110 - Island
- 3.) **CIRCUIT NAME AND NUMBER** 1498
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Island - Old Island-Livermore Rd & Hwy 138 - NE & NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 23
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/05/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 26.4%
- Non-Company- 0.0%
- Other/Unknown- 6.8%
- Overload- 0.0%
- Planned Work- 3.5%
- Trees- 12.0%
- Utility Equipment- 51.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.77
- 10.) **2016 SAIDI** 46.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 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** KUTTAWA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lyon - 3487 Lake Barkley Dr - Kuttawa
- 3.) **CIRCUIT NAME AND NUMBER** 1501
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Kuttawa - Hwy 295, Lake Shore Dr, & Holley St - SW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 399
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/06/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 76.6%
- Utility Equipment- 22.3%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.20

10.) **2016 SAIDI** 197.14

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

12.) **2016 SAIFI** 0.92

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 150 Wigginton Ln - Fredonia
- 3.) **CIRCUIT NAME AND NUMBER** 1507
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Fredonia - City of Fredonia & Hwy 641 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 297
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/25/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 3.7%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 94.6%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.78
- 10.) **2016 SAIDI** 166.18
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2016 SAIFI** 1.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 150 Wigginton Ln - Fredonia
- 3.) **CIRCUIT NAME AND NUMBER** 1508
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Fredonia - Hwy 651, Loyd Rd, & Crayne Cemetery Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 220
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/25/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 87.3%
- Overload- 0.0%
- Planned Work- 9.9%
- Trees- 0.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.22
- 10.) **2016 SAIDI** 95.15
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.20
- 12.) **2016 SAIFI** 1.18
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 150 Wigginton Ln - Fredonia
- 3.) **CIRCUIT NAME AND NUMBER** 1509
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Fredonia - Hwy 91, Princeton Fredonia Rd, & Marion Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 180
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/25/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 38.7%
- Non-Company- 0.0%
- Other/Unknown- 5.5%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 54.1%
- Utility Equipment- 0.6%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.95
- 10.) **2016 SAIDI** 170.61
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 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** CLAXTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 1600 Jones-Keeney Rd - Princeton
- 3.) **CIRCUIT NAME AND NUMBER** 1519
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Princeton - Mt Hebron Rd, Dearing Cem. Rd - W & E of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 50
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2013

8.) **2016 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.83

10.) **2016 SAIDI** 98.00

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

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** SIXTH VEIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 2395 Sixth Vein Rd - Dawson Springs
- 3.) **CIRCUIT NAME AND NUMBER** 1541
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Charleston Rd, Hwy 70, Campbell Rd, & High Glory Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 458
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/21/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 8.3%
- Lightning- 76.8%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 7.7%
- Utility Equipment- 0.0%
- Vehicle- 3.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 166.22
- 10.) **2016 SAIDI** 96.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.66
- 12.) **2016 SAIFI** **2.18**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SIXTH VEIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 2395 Sixth Vein Rd - Dawson Springs
- 3.) **CIRCUIT NAME AND NUMBER** 1544
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Fergusontown Rd, Hwy 109, Niles Rd & Fox Rd - W & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 331
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/10/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 23.7%
- Non-Company- 0.0%
- Other/Unknown- 2.3%
- Overload- 0.0%
- Planned Work- 6.5%
- Trees- 0.3%
- Utility Equipment- 45.4%
- Vehicle- 21.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.12

10.) **2016 SAIDI** 142.93

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

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** ST CHARLES
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 660 St. Charles Rd - St. Charles
- 3.) **CIRCUIT NAME AND NUMBER** 1553
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** St. Charles - City of St. Charles & Mc Gregor Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 211
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 52.9%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 45.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.88
- 10.) **2016 SAIDI** 136.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2016 SAIFI** 1.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ST CHARLES
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 660 St. Charles Rd - St. Charles
- 3.) **CIRCUIT NAME AND NUMBER** 1554
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** St. Charles - Ilsley Rd, Union Temple Rd, & Hwy 112 - SW/NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 67.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 616
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/04/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 4.7%
- Non-Company- 0.0%
- Other/Unknown- 61.1%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 29.5%
- Utility Equipment- 1.6%
- Vehicle- 1.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.30

10.) **2016 SAIDI** 180.47

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

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** GRAHAM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 5230 S R 175 S - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1603
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - S R 175, Landfill Rd, & S R 70 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 315
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/24/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 13.2%
- Other/Unknown- 19.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 27.1%
- Utility Equipment- 37.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.97
- 10.) **2016 SAIDI** 89.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00
- 12.) **2016 SAIFI** 1.06
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** CALHOUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - 530 W First St - Calhoun
- 3.) **CIRCUIT NAME AND NUMBER** 1607
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Calhoun - State Hwy 81, W 2nd St, Walnut St - NE & S of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 367
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/22/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.3%
- Lightning- 5.7%
- Non-Company- 0.0%
- Other/Unknown- 8.8%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 67.1%
- Utility Equipment- 16.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.04
- 10.) **2016 SAIDI** 53.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36
- 12.) **2016 SAIFI** 0.22
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 200 N Boggess Ave - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1615
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - Hwy 181, 62, 171, SR 189, & Bards Hill Rd - W&S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 95.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,803
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/06/2016

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 3.8%
- Non-Company- 0.0%
- Other/Unknown- 11.3%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 82.7%
- Utility Equipment- 0.6%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.01
- 10.) **2016 SAIDI** 222.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.29
- 12.) **2016 SAIFI** 2.48
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 117 E Depot St - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1622
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - W Depot St, N Cherry St, & Short St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 418
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/19/2011

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- 11.5%
- Trees- 0.0%
- Utility Equipment- 88.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.79
- 10.) **2016 SAIDI** 32.97
- 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** POWDERLY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - Opportunity Way - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1625
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - Opportunity Way & N Main St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 25
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 18.8%
- 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- 81.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 0.40
- 10.) **2016 SAIDI** 1.24
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2016 SAIFI** 0.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** POWDERLY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - Opportunity Way - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1626
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - Main St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 832
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 59.7%
- Non-Company- 2.7%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 14.2%
- Trees- 18.0%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.83
- 10.) **2016 SAIDI** 62.05
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 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** ISLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - 499 E Main St - Island
- 3.) **CIRCUIT NAME AND NUMBER** 1638
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Island - City of Island, Hwy 85, 1412, & Old Island Rd - W & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 37.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 613
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/28/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 40.6%
- Non-Company- 30.1%
- Other/Unknown- 0.2%
- Overload- 0.1%
- Planned Work- 0.2%
- Trees- 6.9%
- Utility Equipment- 9.3%
- Vehicle- 12.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.67

10.) **2016 SAIDI** 180.01

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

12.) **2016 SAIFI** 1.37

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LIVERMORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - 190 Main St - Livermore
- 3.) **CIRCUIT NAME AND NUMBER** 1642
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Livermore - Hill St, Hwy 431, & Comy Dock Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 348
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/22/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.7%
- Lightning- 6.3%
- Non-Company- 0.0%
- Other/Unknown- 7.5%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 4.4%
- Utility Equipment- 76.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.48
- 10.) **2016 SAIDI** 19.19
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 12.) **2016 SAIFI** 0.25
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTRAL CITY SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 500 E Second Ave - Central City
- 3.) **CIRCUIT NAME AND NUMBER** 1650
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Central City - Everly Borthers Blvd, S R 604, US 431 - E of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 437
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 27.8%
- Utility Equipment- 0.5%
- Vehicle- 71.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.56
- 10.) **2016 SAIDI** 10.29
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.98
- 12.) **2016 SAIFI** 1.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTRAL CITY SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 500 E Second Ave - Central City
- 3.) **CIRCUIT NAME AND NUMBER** 1651
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Central City - W 2nd Ave, Center St, W Reservoir St - W of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 407
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 67.5%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 10.4%
- Trees- 21.3%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.09
- 10.) **2016 SAIDI** 40.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2016 SAIFI** 0.71
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREEN RIVER STEEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Daviess - 4575 US 60 E - Owensboro
- 3.) **CIRCUIT NAME AND NUMBER** 1676
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owensboro - Ellis Smeathers Rd & US 60 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 22
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/19/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 94.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.59
- 10.) **2016 SAIDI** 98.86
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71
- 12.) **2016 SAIFI** 0.45
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SALEM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Livingston - 266 W Main St - Salem
- 3.) **CIRCUIT NAME AND NUMBER** 1703
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Salem - Hwy 60, College St, & Levias Rd - ENE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 407
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/30/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 5.6%
- Non-Company- 0.0%
- Other/Unknown- 13.4%
- Overload- 0.0%
- Planned Work- 23.2%
- Trees- 47.0%
- Utility Equipment- 3.2%
- Vehicle- 5.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.80
- 10.) **2016 SAIDI** 91.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60
- 12.) **2016 SAIFI** 1.01
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SALEM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Livingston - 266 W Main St - Salem
- 3.) **CIRCUIT NAME AND NUMBER** 1704
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Salem - Hayden Ave, Hwy 723, & Jayna Ln - NE/SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 308
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/30/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 42.5%
- Lightning- 8.8%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 9.5%
- Trees- 31.2%
- Utility Equipment- 6.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.64
- 10.) **2016 SAIDI** 72.93
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54
- 12.) **2016 SAIFI** 1.59
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** MEXICO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Crittenden - 2747 S R 70 - Crayne
- 3.) **CIRCUIT NAME AND NUMBER** 1709
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crayne - S R 70 & Marion Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 127
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.3%
- Overload- 0.0%
- Planned Work- 9.7%
- Trees- 59.0%
- Utility Equipment- 8.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.09
- 10.) **2016 SAIDI** 9.86
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.10
- 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** STURGIS 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 1402 N Washington St - Sturgis
- 3.) **CIRCUIT NAME AND NUMBER** 1725
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sturgis - Cs 2047, 8th St, 3rd St, & 10th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 393
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2015

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- 40.3%
- Utility Equipment- 59.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.44
- 10.) **2016 SAIDI** 6.46
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.07
- 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** MORGANFIELD INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 3324 U S HWY 60 E - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1762
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - US HWY 60, Blessed Martin Rd, & King Mill Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 208
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2009
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.6%
 Construction- 0.0%
 Lightning- 97.3%
 Non-Company- 0.0%
 Other/Unknown- 1.2%
 Overload- 0.0%
 Planned Work- 0.0%
 Trees- 0.1%
 Utility Equipment- 0.8%
 Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.08
- 10.) **2016 SAIDI** 25.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.02
- 12.) **2016 SAIFI** 2.47
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MORGANFIELD INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 3324 U S HWY 60 E - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1763
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganield - Buchanan Rd - E & W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 20
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2009

8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.99
- 10.) **2016 SAIDI** 145.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 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** MANNINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Christian - 2535 Mannington Loop - Mannington
- 3.) **CIRCUIT NAME AND NUMBER** 1801
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mannington - HWY 407 & US 41- E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 26
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/28/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.2%
- Non-Company- 0.0%
- Other/Unknown- 96.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 186.17
- 10.) **2016 SAIDI** 53.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67
- 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** BORG-WARNER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 1000 Island Ford Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 1805
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - - SSE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

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)** 0.95
- 10.) **2016 SAIDI** 4.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.03
- 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** BORG-WARNER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 1000 Island Ford Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 1807
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Whittington Dr/St Malo Dr/Pin Oak St - NW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 459
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/12/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 4.1%
- Non-Company- 0.0%
- Other/Unknown- 88.2%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 0.4%
- Utility Equipment- 5.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.82
- 10.) **2016 SAIDI** 129.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91
- 12.) **2016 SAIFI** 1.62

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

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** ECHOLS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 5590 S R 1245 - Rockport
- 3.) **CIRCUIT NAME AND NUMBER** 1903
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Rockport - Hwy 1245, Hwy 62, & City of Rockport - NW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 330
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/05/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 91.6%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 5.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.72
- 10.) **2016 SAIDI** 120.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59
- 12.) **2016 SAIFI** 1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RIVERVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 25 Riverview Rd - McHenry
- 3.) **CIRCUIT NAME AND NUMBER** 1907
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** McHenry - Watts Rd, City of McHenry, & HWY 62 - E & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 517
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/28/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 1.5%
- Overload- 0.1%
- Planned Work- 0.3%
- Trees- 96.0%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.90

10.) **2016 SAIDI** 24.15

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

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** BUENA VISTA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 164 High Bridge Rd. - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Rock Quarry Rd, Lexington Rd, & US 27 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 302
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/25/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 55.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 41.6%
- Utility Equipment- 3.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.62
- 10.) **2016 SAIDI** 96.86
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2016 SAIFI** 1.07

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

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** BUENA VISTA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 164 High Bridge Rd. - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2106
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Kennedy Bridge Rd, Ashley Camp Rd, & Chminey Rock Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,028
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/25/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 39.1%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 57.9%
- Utility Equipment- 1.2%
- Vehicle- 0.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.99
- 10.) **2016 SAIDI** 109.34
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45
- 12.) **2016 SAIFI** 1.09
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2110
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - S 3rd St, MLK Blvd, & E Walnut St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 139
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

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)** 0.49
- 10.) **2016 SAIDI** 1.82
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2016 SAIFI** 0.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE E 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 805 East Dr - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2111
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - E Walnut St, Alta Ave, & E Main St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 341
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2010

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- 42.4%
- Trees- 0.0%
- Utility Equipment- 57.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 3.54
- 10.) **2016 SAIDI** 4.52
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05
- 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** DANVILLE E 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 805 East Dr - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2113
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Lexington Ave, Fork Church Rd, & Lancaster Rd - NW & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,301
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 55.8%
- Non-Company- 0.0%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 3.4%
- Utility Equipment- 5.7%
- Vehicle- 31.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 107.73
- 10.) **2016 SAIDI** 134.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.17
- 12.) **2016 SAIFI** 1.71

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE E 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 805 East Dr - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2114
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Hill N Dale St, Lexington St, Shakertown Rd, & 4th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,795
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 44.0%
- Construction- 0.2%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 31.3%
- Overload- 0.0%
- Planned Work- 7.7%
- Trees- 11.6%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.92
- 10.) **2016 SAIDI** 36.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32
- 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** DANVILLE E 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 805 East Dr - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2115
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Stanford Rd, Baughman Ave, & Danville Bypass - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 710
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 43.2%
- Non-Company- 0.0%
- Other/Unknown- 6.1%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 24.1%
- Utility Equipment- 26.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.25
- 10.) **2016 SAIDI** 64.42
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25
- 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** DANVILLE INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 1866 S Danville Bypass - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2117
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - S Danville Bypass & Denmark Rd- SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 205
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 57.5%
- Non-Company- 0.1%
- Other/Unknown- 42.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.41
- 10.) **2016 SAIDI** 105.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2016 SAIFI** 0.97
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 1866 S Danville Bypass - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2118
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Along Railroad Tracks - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

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)** 16.98
- 10.) **2016 SAIDI** 2.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.07
- 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** DANVILLE NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 514 N Danville Bypass - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2123
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Harrodsburg Rd, Maple Ave, Lexington Ave, & Springhill Rd - N & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,199
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/02/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 95.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 3.0%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.23

10.) **2016 SAIDI** 109.24

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

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** DANVILLE NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 514 N Danville Bypass - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2124
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Whirlaway Dr, War Admiral Dr, & Bluegrass Pike - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 409
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 94.0%
- Utility Equipment- 2.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.21
- 10.) **2016 SAIDI** 59.43
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66
- 12.) **2016 SAIFI** 0.94
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 2 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 709 E Office St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2131
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Lexington Rd, Burgin Rd, & City of Burgin - NE/SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 819
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 76.1%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 5.0%
- Utility Equipment- 11.4%
- Vehicle- 3.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.78
- 10.) **2016 SAIDI** 105.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.30
- 12.) **2016 SAIFI** 0.92
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 3
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 1020 N College St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2133
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - N College St, Lynn Dr, & Cornishville St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 490
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 11.7%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 6.7%
- Utility Equipment- 50.7%
- Vehicle- 20.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.18
- 10.) **2016 SAIDI** 36.83
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 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** KENTUCKY STATE HOSPITAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 4180 Shakertown Rd - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2136
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Shakertown Rd, Gwinn Island Rd, & Spears Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 320
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/08/2008

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 4.6%
- Lightning- 61.6%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 5.5%
- Trees- 27.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.10
- 10.) **2016 SAIDI** 149.20
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94
- 12.) **2016 SAIFI** 2.18
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTUCKY STATE HOSPITAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 4180 Shakertown Rd - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Shakertown Rd, Faulkner Ln, & Curdsville Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 577
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/08/2008

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.2%
- Construction- 0.0%
- Lightning- 3.7%
- Non-Company- 0.1%
- Other/Unknown- 87.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.1%
- Utility Equipment- 5.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.23

10.) **2016 SAIDI** 71.22

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

12.) **2016 SAIFI** 1.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MOUNT VERNON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rockcastle - 56 Old Somerset Rd - Mt. Vernon
- 3.) **CIRCUIT NAME AND NUMBER** 2144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Vernon - Hysinger Hollow Rd, W Main St, Williams St, Richmond St - ENE of Sub
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 736
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/18/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.8%
- Overload- 0.0%
- Planned Work- 5.9%
- Trees- 61.5%
- Utility Equipment- 16.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.96
- 10.) **2016 SAIDI** **24.17**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2016 SAIFI** 0.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINE HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rockcastle - 501 Flat Rock Rd - Mt. Vernon
- 3.) **CIRCUIT NAME AND NUMBER** 2147
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Vernon - S Wilderness Rd, Main St (Livingston) - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 389
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 1.0%
- Other/Unknown- 52.6%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.4%
- Utility Equipment- 0.0%
- Vehicle- 44.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 368.86

10.) **2016 SAIDI** 401.50

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.54

12.) **2016 SAIFI** 1.91

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINE HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rockcastle - 501 Flat Rock Rd - Mt. Vernon
- 3.) **CIRCUIT NAME AND NUMBER** 2148
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Vernon - Mullins Station Rd, Skyline Rd, & Honeycomb Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 49
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2015
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 47.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 50.6%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 103.18
- 10.) **2016 SAIDI** 161.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71
- 12.) **2016 SAIFI** 1.21
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINE HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rockcastle - 501 Flat Rock Rd - Mt. Vernon
- 3.) **CIRCUIT NAME AND NUMBER** 2149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Vernon - Wilderness Rd, Limestone - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 76
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/01/2015

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- 8.3%
- Trees- 76.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 175.72
- 10.) **2016 SAIDI** 185.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.86
- 12.) **2016 SAIFI** 0.99
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAKERTOWN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 3499 Lexington Rd - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2152
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Lexington Rd & Sexton Rd - SW of the Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 73
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 39.1%
- Construction- 0.0%
- Lightning- 55.7%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.58

10.) **2016 SAIDI** 176.82

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

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** COLUMBIA SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Adair - 1139 Gaston Ave - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 2208
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - KY 80, Jamestown Rd, & Wright Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 329
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/15/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 34.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 65.2%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.88
- 10.) **2016 SAIDI** 154.90
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 12.) **2016 SAIFI** 1.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLUMBIA SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Adair - 1139 Gaston Ave - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 2209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - KY 55, Tutt St, Bomar Hts, Hwy 61/80, & Greensburg St - NW & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 866
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/15/2014
- 8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.3%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 5.6%
- Utility Equipment- 86.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.21
- 10.) **2016 SAIDI** 84.56
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 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** COLUMBIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Adair - 114 Lindsey Wilson St - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 2211
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - Burkesville Rd & Greensburg St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 459
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/03/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 96.1%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.68
- 10.) **2016 SAIDI** 203.69
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31
- 12.) **2016 SAIFI** 1.25
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENSBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Green - 424 Old Hodgenville Rd - Greensburg
- 3.) **CIRCUIT NAME AND NUMBER** 2213
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greensburg - US 68, Cemetery Rd, Valley Dr, & E Columbia Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 491
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/07/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 3.5%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 33.2%
- Utility Equipment- 60.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.72
- 10.) **2016 SAIDI** 39.37
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2016 SAIFI** 0.21
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** UNION UNDERWEAR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Russell - 101 Fruit Of The Loom Dr - Jamestown
- 3.) **CIRCUIT NAME AND NUMBER** 2228
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Jamestown - City of Jamestown - SSE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 938
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/01/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 2.6%
- Planned Work- 0.1%
- Trees- 88.5%
- Utility Equipment- 8.1%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 163.80
- 10.) **2016 SAIDI** **758.50**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2016 SAIFI** **2.91**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** UNION UNDERWEAR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Russell - 101 Fruit Of The Loom Dr - Jamestown
- 3.) **CIRCUIT NAME AND NUMBER** 2229
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Jamestown - N Main St & Progress Dr - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 364
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.6%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 12.7%
- Utility Equipment- 14.7%
- Vehicle- 61.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.44
- 10.) **2016 SAIDI** **189.28**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2016 SAIFI** **1.63**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ESTILL STONE CO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Estill - 598 Tipton Ridge Rd - Ravenna
- 3.) **CIRCUIT NAME AND NUMBER** 2302
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Ravenna - Tipton Ridge Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/01/2012

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- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.40

10.) **2016 SAIDI** 275.00

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

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** IRVINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Estill - 83 River Dr - Irvine
- 3.) **CIRCUIT NAME AND NUMBER** 2303
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Irvine - River Dr, Broadway Ave, & KY 89 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 911
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/15/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 8.4%
- Trees- 0.2%
- Utility Equipment- 91.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.88
- 10.) **2016 SAIDI** 173.96
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2016 SAIFI** 1.14
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** IRVINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Estill - 83 River Dr - Irvine
- 3.) **CIRCUIT NAME AND NUMBER** 2305
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Irvine - Kirkland Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 85
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/15/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 91.9%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 7.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.33
- 10.) **2016 SAIDI** 229.42
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 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** RED HOUSE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 3858 Boonesboro Rd - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2311
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Lost Fork Rd, Red House Rd, & Boonesboro Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 101
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.1%
- Overload- 0.0%
- Planned Work- 78.3%
- Trees- 0.0%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.71
- 10.) **2016 SAIDI** **60.77**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 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** RED HOUSE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 3858 Boonesboro Rd - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2312
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - HWY 627, Simpson Ln, & Lexington Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,079
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 1.2%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 8.1%
- Trees- 55.5%
- Utility Equipment- 1.3%
- Vehicle- 31.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.34
- 10.) **2016 SAIDI** 41.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.58
- 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** RICHMOND EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 1799 Irvine Rd - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2318
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - E Irvine St, Bluegrass Dr, &E Main St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 751
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/11/2013
- 8.) **2016 OUTAGES BY CAUSE**

Animal- 0.4%
 Construction- 0.0%
 Lightning- 48.3%
 Non-Company- 0.0%
 Other/Unknown- 0.0%
 Overload- 0.0%
 Planned Work- 0.1%
 Trees- 0.8%
 Utility Equipment- 7.0%
 Vehicle- 43.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.27
- 10.) **2016 SAIDI** 42.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12
- 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** RICHMOND EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 1799 Irvine Rd - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2320
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - DR Martin BYP, Commercial Dr, & Berea Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,242
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/22/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 74.7%
- Overload- 0.0%
- Planned Work- 23.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.10
- 10.) **2016 SAIDI** 27.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 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** RICHMOND 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 315 Clay Dr - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2325
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - US 25, Keeneland Dr, & Jacks Creek Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,255
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/28/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.1%
- Lightning- 5.6%
- Non-Company- 0.0%
- Other/Unknown- 80.9%
- Overload- 0.0%
- Planned Work- 10.5%
- Trees- 0.0%
- Utility Equipment- 2.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.16
- 10.) **2016 SAIDI** 49.59
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32
- 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** RICHMOND 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 315 Clay Dr - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2327
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Moberly Ave, 5th, 4th, 3rd, 2nd, 1st St, & Irvine St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 932
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 6.5%
- Construction- 0.0%
- Lightning- 28.9%
- Non-Company- 0.0%
- Other/Unknown- 29.0%
- Overload- 0.0%
- Planned Work- 35.1%
- Trees- 0.0%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.41
- 10.) **2016 SAIDI** 41.72
- 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** RICHMOND 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 315 Clay Dr - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2329
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Sunset Ave, Barnes Mill Rd, & Kirksville Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,429
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.3%
- Lightning- 1.6%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 0.1%
- Utility Equipment- 26.8%
- Vehicle- 68.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.36
- 10.) **2016 SAIDI** 42.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.98
- 12.) **2016 SAIFI** 1.21
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BONNIEVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 8074 N Dixie Hwy - Bonnieville
- 3.) **CIRCUIT NAME AND NUMBER** 2400
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bonnieville - US 31, Olive Ave, & Waldeck Rd - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 227
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/01/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 34.0%
- Non-Company- 0.0%
- Other/Unknown- 30.2%
- Overload- 0.0%
- Planned Work- 5.3%
- Trees- 30.0%
- Utility Equipment- 0.0%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.06
- 10.) **2016 SAIDI** 264.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.01
- 12.) **2016 SAIFI** 4.14
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 12540 Sonora - Hardin Springs
- 3.) **CIRCUIT NAME AND NUMBER** 2406
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - Hwy 62, KY 1375, & Church Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 371
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/02/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.2%
- Lightning- 0.1%
- Non-Company- 0.1%
- Other/Unknown- 4.8%
- Overload- 0.0%
- Planned Work- 6.1%
- Trees- 88.2%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.51
- 10.) **2016 SAIDI** 202.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.79
- 12.) **2016 SAIFI** 1.46
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 12540 Sonora - Hardin Springs
- 3.) **CIRCUIT NAME AND NUMBER** 2407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - KY 84, Main St, & White Mills Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 269
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/09/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.7%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 1.7%
- Planned Work- 60.3%
- Trees- 35.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.34
- 10.) **2016 SAIDI** 27.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 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** EASTVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 12540 Sonora - Hardin Springs
- 3.) **CIRCUIT NAME AND NUMBER** 2408
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - W Main St, Skees St, & St. Paul Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 610
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.1%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 12.5%
- Overload- 0.0%
- Planned Work- 6.5%
- Trees- 79.8%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.75
- 10.) **2016 SAIDI** 55.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73
- 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** ELIZABETHTOWN 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1011 Woodland Dr - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Dixie Hwy, Grays Rd, & Diecks Dr - E & NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,372
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/11/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.1%
- Lightning- 31.4%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 27.2%
- Utility Equipment- 38.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.69

10.) **2016 SAIDI** 108.52

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

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** ELIZABETHTOWN 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1011 Woodland Dr - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2414
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Woodland Dr, Ring Rd, & N Dixie HWY - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,329
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/03/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 4.3%
- Construction- 0.5%
- Lightning- 3.0%
- Non-Company- 0.0%
- Other/Unknown- 4.6%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 0.0%
- Utility Equipment- 82.4%
- Vehicle- 4.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.76

10.) **2016 SAIDI** 61.51

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

12.) **2016 SAIFI** 0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1011 Woodland Dr - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2415
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Woodland Dr, Saint John Rd, & Westport Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 556
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/03/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 93.8%
- Construction- 0.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 1.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 81.01
- 10.) **2016 SAIDI** 41.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2016 SAIFI** 1.14
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 4
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 201 Sportsman Lake Rd - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2417
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Hodgenville Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

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- 0.0%
- Vehicle- 100.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.13

10.) **2016 SAIDI** 97.50

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

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** ELIZABETHTOWN 5
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 800 N Mulberry St - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - KY 61/62, Navaho Dr, & Ring Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 362
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/31/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 73.4%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 11.8%
- Utility Equipment- 10.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.62
- 10.) **2016 SAIDI** 86.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
- 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** ELIZABETHTOWN 5
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 800 N Mulberry St - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2424
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Joan Ave, McCullum Ave, & Bellwood Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 572
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2010

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.8%
- Other/Unknown- 10.1%
- Overload- 0.3%
- Planned Work- 66.0%
- Trees- 8.3%
- Utility Equipment- 10.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.14
- 10.) **2016 SAIDI** 61.95
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 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** GATES RUBBER 2.4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 300 College Street Rd - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2425
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - College Street Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/11/2010

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)** 8.20
- 10.) **2016 SAIDI** 21.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 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** HORSE CAVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 501 Shewey Ave - Horse Cave
- 3.) **CIRCUIT NAME AND NUMBER** 2432
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Horse Cave - Maple St, US 31 W, 3rd Street & Owen Street - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 718
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/31/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.1%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 51.1%
- Utility Equipment- 44.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.18

10.) **2016 SAIDI** 190.05

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

12.) **2016 SAIFI** 1.46

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

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** HORSE CAVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 501 Shewey Ave - Horse Cave
- 3.) **CIRCUIT NAME AND NUMBER** 2434
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cave City - Old Glasgow Rd, 9th St, KY 70, 3rd St, & Dixie Hwy- SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 629
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 67.9%
- Utility Equipment- 28.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.57

10.) **2016 SAIDI** 117.96

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

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** LEITCHFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 205 Mulberry St - Leitchfield
- 3.) **CIRCUIT NAME AND NUMBER** 2437
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Leitchfield - N Broadway St, W Main St, & W Market St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 590
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/14/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 21.5%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 27.0%
- Trees- 14.7%
- Utility Equipment- 35.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.37

10.) **2016 SAIDI** 43.38

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

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** LEITCHFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 205 Mulberry St - Leitchfield
- 3.) **CIRCUIT NAME AND NUMBER** 2438
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Leitchfield - N Main St, W Walnut St, & Clinton St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 125
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 32.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 61.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 6.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.38

10.) **2016 SAIDI** 28.16

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

12.) **2016 SAIFI** 0.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILLWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 6649 Beaver Dam Rd - Millwood
- 3.) **CIRCUIT NAME AND NUMBER** 2440
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Caneyville - US 62, Hwy 79, & River Park Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 425
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 3.0%
- Construction- 0.0%
- Lightning- 5.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 29.4%
- Trees- 62.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.83

10.) **2016 SAIDI** 23.08

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

12.) **2016 SAIFI** 0.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILLWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 6649 Beaver Dam Rd - Millwood
- 3.) **CIRCUIT NAME AND NUMBER** 2441
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Millwood - US HWY 62, School House Rd, & Rock Quarry Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 171
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/01/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 1.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 16.1%
- Trees- 80.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.04

10.) **2016 SAIDI** 17.84

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** NEW HAVEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nelson - 256 Lyons Station Rd - New Haven
- 3.) **CIRCUIT NAME AND NUMBER** 2445
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Haven - KY 52, Clark Rd, & Lyons Station Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 203
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/07/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 98.0%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 0.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 134.00
- 10.) **2016 SAIDI** **209.39**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.13
- 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** RADCLIFF
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 677 N Wilson Rd - Radcliff
- 3.) **CIRCUIT NAME AND NUMBER** 2449
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Radcliff - Hill St, Northern Rd, Preston St, Woodland Dr, & Lincoln Trail - NW & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 557
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/29/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 98.0%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 70.23

10.) **2016 SAIDI** 90.20

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

12.) **2016 SAIFI** 1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SONORA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1340 Old Sonora Rd - Sonora
- 3.) **CIRCUIT NAME AND NUMBER** 2458
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - Maple St, US 31, & City of Upton - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 494
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/16/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.8%
- Lightning- 1.7%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.2%
- Utility Equipment- 0.3%
- Vehicle- 94.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.34

10.) **2016 SAIDI** 127.55

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

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** ELIZABETHTOWN INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 111 Ring Rd - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2462
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - N Blackbranch Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/06/2010

8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.88
- 10.) **2016 SAIDI** 64.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 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** LEITCHFIELD EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 705 Wallace Ave - Leitchfield
- 3.) **CIRCUIT NAME AND NUMBER** 2465
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Leitchfield - Mill St, Lee Ave, & Grayson Springs Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 381
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/02/2011

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 2.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 96.5%
- Trees- 0.0%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.03

10.) **2016 SAIDI** 75.19

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

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** RADCLIFF SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 100 Energy Dr - Radcliff
- 3.) **CIRCUIT NAME AND NUMBER** 2471
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hardin - S Wilson Rd & Medical Center Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 105
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2014

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)** 8.28
- 10.) **2016 SAIDI** 12.38
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2016 SAIFI** 0.25
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HORSE CAVE INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 400 Cherry St - Horse Cave
- 3.) **CIRCUIT NAME AND NUMBER** 2474
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Horse Cave - Butler Rd & Top Quality Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 28
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2008

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 49.7%
- Non-Company- 0.0%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 31.2%
- Trees- 0.0%
- Utility Equipment- 17.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.61
- 10.) **2016 SAIDI** 35.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 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** LA GRANGE E 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 1810 E Highway 146 - La Grange
- 3.) **CIRCUIT NAME AND NUMBER** 2510
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - Jefferson St, Jericho Rd, & Walnut Aly - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 720
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 42.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 28.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.8%
- Utility Equipment- 26.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.28

10.) **2016 SAIDI** 8.91

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

12.) **2016 SAIFI** 0.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLORSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Spencer - 1604 Elk Creek Rd - Taylorsville
- 3.) **CIRCUIT NAME AND NUMBER** 2529
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Taylorsville - Elk Creek Rd, KY 55, & Hwy 1633 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,036
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/14/2015

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 95.0%
- Non-Company- 0.0%
- Other/Unknown- 2.2%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.3%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.44
- 10.) **2016 SAIDI** 88.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2016 SAIFI** 1.05

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

Reliability Improvements Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** ALVA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Rockhouse Branch Rd - Pathfork
- 3.) **CIRCUIT NAME AND NUMBER** 4331
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Alva - Hwy 72 & Alva Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/06/2013

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- 100.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 539.50
- 10.) **2016 SAIDI** 940.84
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.59
- 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** FOURMILE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Hwy 2014 - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 4340
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Hwy 2014 & 2015, US 25, & Hwy 92 - SW & N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 324
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 6.4%
- Planned Work- 0.8%
- Trees- 91.5%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 183.62
- 10.) **2016 SAIDI** **283.14**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.93
- 12.) **2016 SAIFI** 1.75
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE GAS 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Ball Park Rd - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4400
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - Memorial Hospital Rd & Hwy 115 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 16
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/28/2014

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- 19.0%
- Trees- 0.0%
- Utility Equipment- 81.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.03
- 10.) **2016 SAIDI** 75.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 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** SHAWNEE GAS 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Ball Park Rd - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4401
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - Morris Ln & Tway Hollow Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 110
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/28/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.9%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 96.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.41
- 10.) **2016 SAIDI** 97.19
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 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** HARLAN WYE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Sunshine Pike Rd just W of US HWY 421 - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - US HWY 421 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 398
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/21/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.3%
- Other/Unknown- 39.0%
- Overload- 0.0%
- Planned Work- 8.8%
- Trees- 51.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.82
- 10.) **2016 SAIDI** 35.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 12.) **2016 SAIFI** 0.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2017

- 1.) **SUBSTATION NAME AND NUMBER** HARLAN WYE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Sunshine Pike Rd just W of US HWY 421 - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4412
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - US HWY 421 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 902
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/26/2013

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 57.1%
- Non-Company- 0.0%
- Other/Unknown- 31.9%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 6.9%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.15
- 10.) **2016 SAIDI** 212.66
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59
- 12.) **2016 SAIFI** 1.37
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANIEL BRANCH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Gilbert Rd/Bandana Branch - Smith
- 3.) **CIRCUIT NAME AND NUMBER** 4421
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Rose Hill - Hwy 987 - E. of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 234
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2016

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.0%
- Overload- 0.0%
- Planned Work- 27.3%
- Trees- 33.0%
- Utility Equipment- 31.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.96
- 10.) **2016 SAIDI** 63.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54
- 12.) **2016 SAIFI** 0.65

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

Trees Trimmed in 2016

- 1.) **SUBSTATION NAME AND NUMBER** LYNCH 7.2KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Hwy 160 (W Main St) - Lynch
- 3.) **CIRCUIT NAME AND NUMBER** 4450
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lynch - Church St, E Main St, Gap Branch Rd, & Hwy 160 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 389
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/23/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 97.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 1.7%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 242.45
- 10.) **2016 SAIDI** 983.37
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48
- 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** LYNCH 7.2KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Hwy 160 (W Main St) - Lynch
- 3.) **CIRCUIT NAME AND NUMBER** 4451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lynch - W Main St, Mountain St, & 1st, 2nd, & 3rd St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 162
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/23/2012

8.) **2016 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 269.98
- 10.) **2016 SAIDI** 825.96
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54
- 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** EVARTS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - 1600 Block of Hwy 215 - Evarts
- 3.) **CIRCUIT NAME AND NUMBER** 4475
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Evarts - Hwy 215 & City of Evarts - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 649
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/15/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 23.9%
- Lightning- 0.8%
- Non-Company- 26.6%
- Other/Unknown- 20.1%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 8.3%
- Utility Equipment- 17.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 201.93

10.) **2016 SAIDI** 512.31

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.26

12.) **2016 SAIFI** 4.62

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERDA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Corner of School St - Evarts
- 3.) **CIRCUIT NAME AND NUMBER** 4479
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Evarts - Hwy 38, Nolan Ln, & Ages Creek Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 511
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/07/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 50.4%
- Non-Company- 0.0%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 47.3%
- Utility Equipment- 0.5%
- Vehicle- 0.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 270.79

10.) **2016 SAIDI** 343.15

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.16

12.) **2016 SAIFI** 1.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERDA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Corner of School St - Evarts
- 3.) **CIRCUIT NAME AND NUMBER** 4480
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Evarts - Hwy 38, Hill St, & Hwy 1601 - NE & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 397
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/07/2012

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 20.8%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 78.5%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 248.81
- 10.) **2016 SAIDI** 342.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.75
- 12.) **2016 SAIFI** 2.21
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MCKEE ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 140 McKee Rd - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 4511
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - Hwy 2227, Hwy 27, & Hwy 80 - N & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 841
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/09/2014

8.) **2016 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 6.8%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 91.7%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.71

10.) **2016 SAIDI** 206.63

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

12.) **2016 SAIFI** 1.20

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

Continue to Monitor

KENTUCKY PUBLIC SERVICE COMMISSION

ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

The Companies' Vegetation Management Plan was submitted December 19, 2007. The Distribution Vegetation Management Program encompasses right of way maintenance for Louisville Gas and Electric Company and Kentucky Utilities Company (referred to as the "Companies"). The program is centralized and managed by a Forestry Manager and eight company Utility Arborists. All are certified arborists by the International Society of Arboriculture.

The Companies' plan is to maintain a proactive trim cycle while balancing the reactive needs of worst performing circuits. The Companies' goal is to maintain an average trim cycle of five years or less. The effectiveness of the plan is evaluated by the cycle and system performance as measured by system SAIDI, SAIFI, and CAIDI.

Effectiveness of the program

KU/LG&E Tree Cycle – 4.67 years

KU (Kentucky) Tree SAIDI – 27.45 minutes

KU (Kentucky) Tree SAIFI – 0.146

KU (Kentucky) Tree CAIDI – 188.1 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. 404 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2016.