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PUBLIC SERVICE
COMMISSION



a PPL company

Gwen R. Pinson
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
www.lge-ku.com

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

May 1, 2018

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

Dear Ms. Pinson:

Enclosed please find Kentucky Utilities Company's ("KU") 2017 Annual Reliability Report pursuant to the Commission's Order dated April 1, 2014 in the above referenced matter. Also enclosed is a CD which includes the 2017 Annual Reliability Report for 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	2017
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SECTION 3: MAJOR EVENT DAYS (MED)

	T_{MED}
FIRST DATE USED TO DETERMINE T_{MED}	4.523
LAST DATE USED TO DETERMINE T_{MED}	1/1/2012
NUMBER OF MED IN REPORTING YEAR	12/31/2016
	2

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>531,363</u>	TOTAL CIRCUITS <u>1,080</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>86.94</u>	SAIDI	<u>66.51</u>
SAIFI	<u>0.796</u>	SAIFI	<u>0.661</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>115.91</u>	SAIDI	<u>92.89</u>
SAIFI	<u>0.900</u>	SAIFI	<u>0.739</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	LEXINGTON PLANT	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 745 N Limestone - Lexington	
3.) CIRCUIT NAME AND NUMBER	0001	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - N. Broadway - SW of Station	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	526	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/21/2017	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.7%	
	Construction- 77.5%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 11.4%	
	Overload- 0.0%	
	Planned Work- 10.4%	
	Trees- 0.0%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		93.47
10.) 2017 SAIDI		41.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.68
12.) 2017 SAIFI		1.13
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) **SUBSTATION NAME AND NUMBER** LEXINGTON PLANT
UBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 745 N Limestone - Lexington
3.) **CIRCUIT NAME AND NUMBER** 0004
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Loudon Ave and Bryan Ave. - E of Station
5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 620
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/15/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 1.3%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 7.3%
Overload- 0.0%
Planned Work- 87.4%
Trees- 2.8%
Utility Equipment- 0.3%
Vehicle- 0.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.55

10.) **2017 SAIDI** 100.66

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

12.) **2017 SAIFI** 1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AMERICAN AVENUE
- 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** 302
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 7.8%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 0.0%
- Utility Equipment- 5.9%
- Vehicle- 82.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.18
- 10.) **2017 SAIDI** 28.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2017 SAIFI** 0.38
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 4KV
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2300 Richmond Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0011
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd and Holiday Rd - NW of Station
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 152
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 42.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 57.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.44

10.) **2017 SAIDI** 88.66

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

12.) **2017 SAIFI** 0.76

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SCOTT STREET
- 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** 986
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/20/2014
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 100.0%
 - Trees- 0.0%
 - Utility Equipment- 0.0%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.73
- 10.) **2017 SAIDI** 3.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.01
- 12.) **2017 SAIFI** 0.00
- 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** 711
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/20/2014

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.72
- 10.) **2017 SAIDI** 1.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2017 SAIFI** 0.11

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
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** 2,503
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 3.5%
Construction- 0.0%
Lightning- 2.2%
Non-Company- 0.0%
Other/Unknown- 6.0%
Overload- 0.0%
Planned Work- 23.6%
Trees- 30.5%
Utility Equipment- 34.2%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 99.23
10.) **2017 SAIDI** 94.15
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81
12.) **2017 SAIFI** 1.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** JOYLAND
- 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)** 27.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,693
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/03/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 11.2%
- Lightning- 10.8%
- Non-Company- 0.0%
- Other/Unknown- 21.2%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 0.6%
- Utility Equipment- 55.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.18
- 10.) **2017 SAIDI** 145.46
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.75
- 12.) **2017 SAIFI** 1.72
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RACE STREET 4KV
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)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 793
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 91.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 6.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.98
- 10.) **2017 SAIDI** 38.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2017 SAIFI** 0.97

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HUGHES LANE
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)** 136.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,084
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 29.2%
- Non-Company- 2.6%
- Other/Unknown- 15.1%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 17.5%
- Utility Equipment- 12.0%
- Vehicle- 20.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 152.61

10.) **2017 SAIDI** 184.73

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

12.) **2017 SAIFI** 1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LIBERTY ROAD
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 2125 Liberty Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0042
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Codell Dr. & Plumbo Dr. - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,784
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/21/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.4%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.2%
- Utility Equipment- 97.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.79

10.) **2017 SAIDI** 311.62

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

12.) **2017 SAIFI** 1.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 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)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,705
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/14/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 8.4%
- Utility Equipment- 84.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 153.81
- 10.) **2017 SAIDI** 162.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.71
- 12.) **2017 SAIFI** 1.69

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND AVENUE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0050
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Fountaine Rd & Ridge Way Rd. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 978
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.8%
- Overload- 10.0%
- Planned Work- 17.0%
- Trees- 0.3%
- Utility Equipment- 65.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.84
- 10.) **2017 SAIDI** 53.77
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
- 12.) **2017 SAIFI** 0.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEST HIGH STREET
- 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)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 736
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/18/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 90.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 124.43
- 10.) **2017 SAIDI** 94.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 12.) **2017 SAIFI** 1.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PICADOME 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0062
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Mason Headley Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 291
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 9.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 1.8%
- Utility Equipment- 86.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.46
- 10.) **2017 SAIDI** 88.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.11
- 12.) **2017 SAIFI** 1.53

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HUGHES LANE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 251 Hughes Ln. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0063
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - US 27 & 68 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 237
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 3.3%
- Lightning- 31.8%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 7.6%
- Utility Equipment- 52.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.28
- 10.) **2017 SAIDI** 178.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2017 SAIFI** 1.20
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 200 W. Reynold Rd. - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0069

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lowry Ln. & Nicholasville Rd. - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 844

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 70.9%

Construction- 0.0%

Lightning- 14.8%

Non-Company- 0.0%

Other/Unknown- 7.9%

Overload- 0.0%

Planned Work- 5.4%

Trees- 0.0%

Utility Equipment- 0.9%

Vehicle- 0.0%

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

10.) **2017 SAIDI** 58.77

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

12.) **2017 SAIFI** 1.26

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGBY MILL 12KV
UBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 308 Waveland Museum Ln - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0070
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Winthrop Dr. - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,336
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 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)** 51.31
- 10.) **2017 SAIDI** 246.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2017 SAIFI** 1.28

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 2375 Paris Pike - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0071

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Kingston Rd. & Parkside Dr. - NW of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 850

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/31/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 10.6%
- Construction- 0.0%
- Lightning- 5.5%
- Non-Company- 0.0%
- Other/Unknown- 24.5%
- Overload- 0.0%
- Planned Work- 12.3%
- Trees- 3.4%
- Utility Equipment- 43.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.11

10.) **2017 SAIDI** 65.53

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

12.) **2017 SAIFI** 1.70

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILSON DOWNING
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 680 Wilson Downing Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0072
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tates Creek Rd & Trent Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,371
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 9.9%
- Construction- 57.1%
- Lightning- 7.4%
- Non-Company- 1.7%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 16.7%
- Trees- 2.8%
- Utility Equipment- 3.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.84
- 10.) **2017 SAIDI** 12.18
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35
- 12.) **2017 SAIFI** 0.62
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2085 Parkers Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0074
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circle Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,342
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/25/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 3.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 25.8%
- Trees- 60.3%
- Utility Equipment- 7.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.89
- 10.) **2017 SAIDI** 101.99
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2017 SAIFI** 0.74

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

Trees Trimmed in 2017

1.) **SUBSTATION NAME AND NUMBER** TRAFTON AVENUE 12KV

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 141 Trafton St - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0079

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Red Mile Rd - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.3

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,188

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

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 95.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.55

10.) **2017 SAIDI** 39.54

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

12.) **2017 SAIFI** 0.44

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** PICADOME 4KV
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** 850
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 12.1%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 0.0%
Overload- 0.0%
Planned Work- 1.2%
Trees- 84.2%
Utility Equipment- 2.5%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.75

10.) **2017 SAIDI** 120.90

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

12.) **2017 SAIFI** 3.34

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** WILSON DOWNING

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 680 Wilson Downing Rd - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0081

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tates Creek Rd & Armstrong Mill Rd - NE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,247

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 1.0%
Construction- 0.1%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 1.5%
Overload- 0.0%
Planned Work- 2.5%
Trees- 90.9%
Utility Equipment- 4.0%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.86

10.) **2017 SAIDI** 85.69

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

12.) **2017 SAIFI** 0.79

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

Tree Trim Scheduled for 2018

1.) **SUBSTATION NAME AND NUMBER** SPINDLETOP
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 2500 Research Park Dr - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0082

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Berea Rd - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 106

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/09/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 61.2%
- Trees- 31.4%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.71

10.) **2017 SAIDI** 56.06

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

12.) **2017 SAIFI** 0.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** 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** 242
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2014
- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 2.0%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 0.0%
 - Utility Equipment- 98.0%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.27
- 10.) **2017 SAIDI** 77.09
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 12.) **2017 SAIFI** 0.43
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 2300 Richmond Rd - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0085

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - SW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6

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

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2014

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.00

10.) **2017 SAIDI** 220.00

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

12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BELT LINE
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 1090 W. New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0086
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circle Rd & New Town Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 151
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/06/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 20.1%
- Other/Unknown- 66.7%
- Overload- 0.0%
- Planned Work- 7.5%
- Trees- 0.0%
- Utility Equipment- 5.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.11
- 10.) **2017 SAIDI** 27.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 12.) **2017 SAIFI** 0.96

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** JOYLAND
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2375 Paris Pike - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0099
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - I-64 & I-75 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,024
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2007

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 30.8%
- Non-Company- 1.8%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 4.7%
- Utility Equipment- 57.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 161.73
- 10.) **2017 SAIDI** 493.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.43
- 12.) **2017 SAIFI** 3.85

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

Reliability Improvements Completed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- 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** 1,680
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/21/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 2.1%
- Non-Company- 0.0%
- Other/Unknown- 33.6%
- Overload- 0.0%
- Planned Work- 16.4%
- Trees- 0.1%
- Utility Equipment- 47.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.36
- 10.) **2017 SAIDI** 132.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.97
- 12.) **2017 SAIFI** 1.53

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Shilito Park Rd. & Tiverton Way - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,224
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/09/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 19.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.9%
- Overload- 0.0%
- Planned Work- 13.1%
- Trees- 1.2%
- Utility Equipment- 39.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.14

10.) **2017 SAIDI** 9.07

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

12.) **2017 SAIFI** 0.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** IBM
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 740 W New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0103
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Newtown Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,073
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/27/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 38.6%
- Construction- 0.2%
- Lightning- 2.2%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 54.3%
- Utility Equipment- 0.3%
- Vehicle- 3.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.12
- 10.) **2017 SAIDI** 182.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.77
- 12.) **2017 SAIFI** 2.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DONERAIL
- 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)** 31.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 398
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/17/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 61.1%
- Utility Equipment- 36.8%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 204.97
- 10.) **2017 SAIDI** 499.05
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94
- 12.) **2017 SAIFI** 1.31

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

Tree Trim Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** IBM
- 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)** 22.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,075
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/23/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 8.0%
- Construction- 29.1%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 3.3%
- Overload- 0.0%
- Planned Work- 4.9%
- Trees- 6.4%
- Utility Equipment- 46.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.87
- 10.) **2017 SAIDI** 15.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2017 SAIFI** 1.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PICADOME 12KV
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.) **2017 OUTAGES BY CAUSE**
- Animal- 3.2%
 - Construction- 0.5%
 - Lightning- 0.0%
 - Non-Company- 0.2%
 - Other/Unknown- 1.6%
 - Overload- 0.0%
 - Planned Work- 0.3%
 - Trees- 93.6%
 - Utility Equipment- 0.8%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 226.16
- 10.) **2017 SAIDI** 173.98
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.61
- 12.) **2017 SAIFI** 2.09
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** VILEY ROAD

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 308 Alexandria Rd. - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0115

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Alexandria Rd & Leestown Rd - NE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 24

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

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 0.60

10.) **2017 SAIDI** 1.08

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

12.) **2017 SAIFI** 0.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FMC
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2641 Palumbo Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0122
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Palumbo Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 33
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/23/2016

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 0.32

10.) **2017 SAIDI** 1.61

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.01

12.) **2017 SAIFI** 0.03

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

Continue to Monitor

- 1.) SUBSTATION NAME AND NUMBER LANSDOWNE SWITCHING
- 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) 29.6
- 6.) CUSTOMER COUNT FOR THIS CIRCUIT 2,505
- 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/09/2016

- 8.) 2017 OUTAGES BY CAUSE
- Animal- 0.4%
- Construction- 2.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.7%
- Overload- 0.4%
- Planned Work- 2.6%
- Trees- 58.0%
- Utility Equipment- 24.8%
- Vehicle- 0.0%

- 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 77.69
- 10.) 2017 SAIDI 261.03
- 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.10
- 12.) 2017 SAIFI 4.56

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

1.) **SUBSTATION NAME AND NUMBER** LOUDON AVENUE
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** 2,563

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.4%
Construction- 0.2%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 2.9%
Overload- 0.0%
Planned Work- 9.2%
Trees- 16.4%
Utility Equipment- 6.0%
Vehicle- 65.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 105.72

10.) **2017 SAIDI** 187.90

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

12.) **2017 SAIFI** 0.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGBY MILL 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 308 Waveland Museum Ln - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0128
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Wyndham Hills Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 533
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2013

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.79
- 10.) **2017 SAIDI** 1.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.03
- 12.) **2017 SAIFI** 0.04
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 2300 Richmond Rd - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0130

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd. - E of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,190

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 3.0%

Construction- 1.8%

Lightning- 26.7%

Non-Company- 0.0%

Other/Unknown- 24.8%

Overload- 0.0%

Planned Work- 0.2%

Trees- 0.0%

Utility Equipment- 42.3%

Vehicle- 1.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.88
10.) 2017 SAIDI	20.57
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2017 SAIFI	0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- 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)** 59.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,052
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 7.4%
- Non-Company- 0.5%
- Other/Unknown- 18.1%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 57.7%
- Utility Equipment- 10.8%
- Vehicle- 5.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.17
- 10.) **2017 SAIDI** 82.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44
- 12.) **2017 SAIFI** 0.49

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

Reliability Improvements Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd & Yorkshire Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,056
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Previous Cycle Date

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 43.9%
- Overload- 0.0%
- Planned Work- 25.2%
- Trees- 0.0%
- Utility Equipment- 30.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.05
- 10.) **2017 SAIDI** 11.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2017 SAIFI** 0.08

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

Continue to Monitor

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

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)** 22.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,237

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/08/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 2.0%

Construction- 0.5%

Lightning- 1.0%

Non-Company- 0.2%

Other/Unknown- 4.3%

Overload- 0.0%

Planned Work- 4.4%

Trees- 55.2%

Utility Equipment- 32.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 64.65

10.) **2017 SAIDI** 37.36

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

12.) **2017 SAIFI** 0.86

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

Tree Trim Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** RACE STREET 12KV
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Midland Ave & Main St. - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 50
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.86
- 10.) **2017 SAIDI** 18.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.46

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND PIPE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0143
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Forest Lake Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 478
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/30/2014

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.61
- 10.) **2017 SAIDI** 6.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.01
- 12.) **2017 SAIFI** 0.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AMERICAN AVENUE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Broadway - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 573
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 33.1%
- Construction- 24.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 24.1%
- Trees- 0.7%
- Utility Equipment- 17.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.79
- 10.) **2017 SAIDI** 63.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 12.) **2017 SAIFI** 0.56

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAYS MILL
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4454 Clays Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0146
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Clays Mill Rd & Man O War Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,015
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/08/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 42.3%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 9.4%
- Utility Equipment- 46.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.00
- 10.) **2017 SAIDI** 107.90
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60
- 12.) **2017 SAIFI** 0.84

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

Reliability Improvements Completed in 2017

1.) **SUBSTATION NAME AND NUMBER** CLAYS MILL
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 4454 Clays Mill Rd - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0148

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Weber Way - E of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,088

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/21/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 5.6%

Construction- 0.0%

Lightning- 3.2%

Non-Company- 0.0%

Other/Unknown- 1.0%

Overload- 28.3%

Planned Work- 0.0%

Trees- 0.8%

Utility Equipment- 61.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.09

10.) **2017 SAIDI** 25.12

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

12.) **2017 SAIFI** 0.28

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 3710 Richmond Rd - Lexington
 3.) **CIRCUIT NAME AND NUMBER** 0152
 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd - NW of Substation
 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/08/2014

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.70
 10.) **2017 SAIDI** 58.50
 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05
 12.) **2017 SAIFI** 0.25

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER SHELBY CITY

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Boyle - 401 Grubbs Ln - Junction City

3.) CIRCUIT NAME AND NUMBER 0153

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Junction City - Shelby St - W of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 9.7

6.) CUSTOMER COUNT FOR THIS CIRCUIT 550

7.) DATE OF LAST CIRCUIT TRIM (VM) 11/18/2017

8.) 2017 OUTAGES BY CAUSE

Animal- 0.7%

Construction- 0.0%

Lightning- 9.1%

Non-Company- 0.0%

Other/Unknown- 7.2%

Overload- 0.0%

Planned Work- 0.8%

Trees- 2.0%

Utility Equipment- 80.3%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 42.65

10.) 2017 SAIDI 114.01

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.39

12.) 2017 SAIFI 1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STANFORD
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lincoln - 746 KY Highway 78 - Stanford
- 3.) **CIRCUIT NAME AND NUMBER** 0155
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stanford - KY Highway 78 & US Highway 27 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 303
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/24/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 60.4%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 11.8%
- Utility Equipment- 17.6%
- Vehicle- 7.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.40
- 10.) **2017 SAIDI** 31.24
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29
- 12.) **2017 SAIFI** 0.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE 1 12KV
- 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** 1,226
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 7.7%
- Construction- 0.9%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 3.9%
- Utility Equipment- 87.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.32
- 10.) **2017 SAIDI** 23.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 12.) **2017 SAIFI** 0.23

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 2300 Richmond Rd - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0178

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - SW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 697

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/19/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 3.1%
- Utility Equipment- 92.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 3.19

10.) **2017 SAIDI** 6.37

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

12.) **2017 SAIFI** 0.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HUME ROAD
- 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)** 12.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 87
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/25/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 62.6%
- Utility Equipment- 21.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 171.31
- 10.) **2017 SAIDI** 196.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.34
- 12.) **2017 SAIFI** 1.01

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LONDON 2
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Laurel - Near corner of Foster Heights & Substation Rd - London

3.) **CIRCUIT NAME AND NUMBER** 0205
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - S & N on McWhorter Rd

5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,756

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.6%
- Lightning- 11.3%
- Non-Company- 0.1%
- Other/Unknown- 17.6%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 6.5%
- Utility Equipment- 44.2%
- Vehicle- 16.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.41

10.) **2017 SAIDI** 61.39

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

12.) **2017 SAIFI** 1.58

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CARON
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Laurel - 1136 South Laurel Rd - London

3.) **CIRCUIT NAME AND NUMBER** 0213

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - S Laurel Rd - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 154

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/24/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 2.2%
Lightning- 95.1%
Non-Company- 0.0%
Other/Unknown- 0.3%
Overload- 0.0%
Planned Work- 0.0%
Trees- 0.0%
Utility Equipment- 2.4%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.37

10.) **2017 SAIDI** 71.26

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

12.) **2017 SAIFI** 1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARISTON
- 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** 89
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/20/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 73.8%
- Trees- 0.0%
- Utility Equipment- 26.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.06
- 10.) **2017 SAIDI** 30.07
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARISTON
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 57 Rocky Branch Rd - North Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0217
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** North Corbin - S Laurel Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 950
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/20/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 5.3%
- Construction- 0.0%
- Lightning- 36.4%
- Non-Company- 48.6%
- Other/Unknown- 5.8%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 0.3%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 175.31
- 10.) **2017 SAIDI** 106.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.30
- 12.) **2017 SAIFI** 2.49

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

Reliability Improvements Scheduled for 2018

1.) **SUBSTATION NAME AND NUMBER** LEBANON WEST
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Marion - 2255 Saint Mary's Rd - St Mary
3.) **CIRCUIT NAME AND NUMBER** 0218
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** St Mary - Sait Mary's Rd - E of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.8
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 129
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 1.6%
Construction- 0.0%
Lightning- 75.7%
Non-Company- 0.0%
Other/Unknown- 1.3%
Overload- 0.0%
Planned Work- 0.0%
Trees- 0.0%
Utility Equipment- 21.3%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.81

10.) **2017 SAIDI** 87.03

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

12.) **2017 SAIFI** 1.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MACKVILLE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Washington - 4685 Texas Rd - Springfield
- 3.) **CIRCUIT NAME AND NUMBER** 0220
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Springfield - Texas Mackville Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 134
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/14/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.7%
- Overload- 0.0%
- Planned Work- 12.3%
- Trees- 63.5%
- Utility Equipment- 18.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.12
- 10.) **2017 SAIDI** 56.55
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34
- 12.) **2017 SAIFI** 0.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EAST BERNSTADT
- 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)** 28.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 831
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 1.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 16.3%
- Overload- 0.0%
- Planned Work- 7.0%
- Trees- 4.9%
- Utility Equipment- 68.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.03

10.) **2017 SAIDI** 85.13

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

12.) **2017 SAIFI** 0.77

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EAST BERNSTADT
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 440 State HWY 490 - East Bernstadt
- 3.) **CIRCUIT NAME AND NUMBER** 0222
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** East Bernstadt - KY HWY 490 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 343
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/01/2009
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.8%
 - Construction- 0.0%
 - Lightning- 3.5%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 90.3%
 - Trees- 3.9%
 - Utility Equipment- 1.5%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.48
- 10.) **2017 SAIDI** 122.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61
- 12.) **2017 SAIFI** 0.80
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

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

- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Washinton - 107 Commercial Ave - Springfield

- 3.) **CIRCUIT NAME AND NUMBER** 0224

- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Springfield - High St - E of Substation

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

- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 636

- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2014

- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 9.0%
 - Construction- 0.0%
 - Lightning- 1.4%
 - Non-Company- 0.0%
 - Other/Unknown- 63.4%
 - Overload- 0.0%
 - Planned Work- 7.6%
 - Trees- 0.0%
 - Utility Equipment- 18.6%
 - Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.96

- 10.) **2017 SAIDI** **15.42**

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

- 12.) **2017 SAIFI** **0.24**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0226
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Highway 25 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,260
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/25/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 51.2%
- Non-Company- 0.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 37.0%
- Utility Equipment- 5.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 188.97

10.) **2017 SAIDI** 233.01

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.28

12.) **2017 SAIFI** 1.64

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 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** 66
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2012

- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 1.5%
 - Construction- 0.0%
 - Lightning- 7.8%
 - Non-Company- 0.0%
 - Other/Unknown- 81.8%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 8.0%
 - Utility Equipment- 0.9%
 - Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.14
- 10.) **2017 SAIDI** 139.06
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 12.) **2017 SAIFI** 1.17

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

- 1.) **SUBSTATION NAME AND NUMBER** CAMPBELLSVILLE 1
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 101 Old Greensburg Rd. - Campbellsville
- 3.) **CIRCUIT NAME AND NUMBER** 0233
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Campbellsville - Central Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 908
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 63.6%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 0.9%
- Utility Equipment- 0.1%
- Vehicle- 32.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.10
- 10.) **2017 SAIDI** 79.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56
- 12.) **2017 SAIFI** 1.12

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

Continue to Monitor

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

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)** 2.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 185

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/09/2012

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 84.1%

Lightning- 0.0%

Non-Company- 7.5%

Other/Unknown- 0.3%

Overload- 0.0%

Planned Work- 8.1%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.14

10.) **2017 SAIDI** 17.91

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

12.) **2017 SAIFI** 1.02

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MANCHESTER	
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	1,076	
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/23/2014	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	1.3%
	Construction-	0.0%
	Lightning-	6.1%
	Non-Company-	0.0%
	Other/Unknown-	2.6%
	Overload-	0.0%
	Planned Work-	7.4%
	Trees-	69.7%
	Utility Equipment-	12.6%
	Vehicle-	0.4%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		68.67
10.) 2017 SAIDI		65.94
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.52
12.) 2017 SAIFI		0.55
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2018	

- 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** 0251
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Manchester - Town Branch Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 58
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.5%
- Other/Unknown- 21.8%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 71.9%
- Utility Equipment- 3.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.99

10.) **2017 SAIDI** 222.79

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

12.) **2017 SAIFI** 1.86

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANCHESTER SOUTH
- 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)** 17.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 581
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/08/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.6%
- Lightning- 1.3%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 70.5%
- Utility Equipment- 21.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 106.08

10.) **2017 SAIDI** 115.86

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

12.) **2017 SAIFI** 1.43

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

Tree Trim Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN EAST
- 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)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 202
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 12.0%
- Non-Company- 6.5%
- Other/Unknown- 73.2%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 6.0%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 160.70
- 10.) **2017 SAIDI** 102.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31
- 12.) **2017 SAIFI** 1.99

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CORBIN EAST
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)** 14.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 729

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.2%
- Lightning- 79.9%
- Non-Company- 0.0%
- Other/Unknown- 13.1%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 1.6%
- Utility Equipment- 3.0%
- Vehicle- 0.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 122.47

10.) **2017 SAIDI** 140.66

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

12.) **2017 SAIFI** 1.42

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN EAST
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0278
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - Commonwealth Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 770
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 11.3%
- Construction- 1.1%
- Lightning- 5.6%
- Non-Company- 0.0%
- Other/Unknown- 7.6%
- Overload- 0.0%
- Planned Work- 2.6%
- Trees- 2.2%
- Utility Equipment- 4.3%
- Vehicle- 65.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.84

10.) **2017 SAIDI** 116.35

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

12.) **2017 SAIFI** 1.49

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VAKSDAHL AVE
- 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** 704
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 22.0%
- Construction- 0.0%
- Lightning- 64.7%
- Non-Company- 2.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.8%
- Utility Equipment- 6.9%
- Vehicle- 2.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.88
- 10.) **2017 SAIDI** 6.03
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2017 SAIFI** 0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN US STEEL
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - S Woodbine Ave off HWY 830 - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0289
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - S Main St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/25/2015

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.89
- 10.) **2017 SAIDI** 8.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 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)** 7.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 299
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 16.3%
- Construction- 0.0%
- Lightning- 1.9%
- Non-Company- 1.2%
- Other/Unknown- 74.7%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 1.7%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.37
- 10.) **2017 SAIDI** 115.43
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.39
- 12.) **2017 SAIFI** 2.67

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 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)** 32.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 625
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/25/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 95.9%
- Utility Equipment- 0.5%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 311.83
- 10.) **2017 SAIDI** 383.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.78
- 12.) **2017 SAIFI** 1.64

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CROCKETT
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)** 15.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 99

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/05/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 32.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 64.5%
- Utility Equipment- 3.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1267.57

10.) **2017 SAIDI** 1161.44

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 4.59

12.) **2017 SAIFI** 5.92

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CROCKETT
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)** 04/05/2013

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 244.88

10.) **2017 SAIDI** 298.50

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

12.) **2017 SAIFI** 1.00

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** MELDRUM
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)** 49.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 761

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/24/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.8%
- Other/Unknown- 8.8%
- Overload- 0.0%
- Planned Work- 30.7%
- Trees- 49.3%
- Utility Equipment- 10.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 301.73

10.) **2017 SAIDI** 719.26

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.10

12.) **2017 SAIFI** 4.62

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREASY CREEK 12KV
- 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** 34
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2015

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.50
- 10.) **2017 SAIDI** 44.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) SUBSTATION NAME AND NUMBER CALLOWAY
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Bell - Hwy 119 - Calloway
- 3.) CIRCUIT NAME AND NUMBER 0311
- 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Calloway - US HWY 119 - S of Substation
- 5.) TOTAL CIRCUIT LENGTH (MILES) 62.3
- 6.) CUSTOMER COUNT FOR THIS CIRCUIT 923
- 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/08/2014

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.1%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 74.0%
- Utility Equipment- 6.4%
- Vehicle- 0.0%

- 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 357.01
- 10.) 2017 SAIDI 366.86
- 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.57
- 12.) 2017 SAIFI 2.93

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - KU
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - 5539 HWY 221 Kettle Island - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0315
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Martha Lock Branch Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 349
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.9%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 4.8%
- Trees- 90.6%
- Utility Equipment- 2.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 202.86
- 10.) **2017 SAIDI** 173.89
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.02
- 12.) **2017 SAIFI** 1.17
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 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** 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** 305
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/25/2013
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 1.8%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 5.7%
 - Overload- 0.0%
 - Planned Work- 16.7%
 - Trees- 70.5%
 - Utility Equipment- 5.3%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 209.33
- 10.) **2017 SAIDI** 84.88
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.41
- 12.) **2017 SAIFI** 1.73
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CHUNCLICK BRANCH
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Off HWY 72 between Alva and Liggett - Alva
- 3.) **CIRCUIT NAME AND NUMBER** 0325
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Alva - 0.12 miles N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Previous Cycle Date

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.30
- 10.) **2017 SAIDI** 56.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05
- 12.) **2017 SAIFI** 0.25

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER WACO
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison - 3761 New Irvine Rd - Madison East
 3.) CIRCUIT NAME AND NUMBER 0331
 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Madison East - Irvine Rd - E & W of Substation
 5.) TOTAL CIRCUIT LENGTH (MILES) 37.4
 6.) CUSTOMER COUNT FOR THIS CIRCUIT 861
 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/12/2013

8.) 2017 OUTAGES BY CAUSE

Animal- 1.3%
 Construction- 0.0%
 Lightning- 15.7%
 Non-Company- 0.0%
 Other/Unknown- 1.2%
 Overload- 0.0%
 Planned Work- 1.6%
 Trees- 72.0%
 Utility Equipment- 8.3%
 Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 20.63
 10.) 2017 SAIDI 36.13
 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.18
 12.) 2017 SAIFI 0.27

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

Tree Trim Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** YELLOW ROCK NORTH
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lee Ky - 584 New Yellow Rock Rd - Beattyville
- 3.) **CIRCUIT NAME AND NUMBER** 0332
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beattyville - New Yellow Rock Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 56
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 99.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 146.47
- 10.) **2017 SAIDI** 6.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91
- 12.) **2017 SAIFI** 1.04
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DARK HOLLOW

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Estill - 37 Dark Hollow Rd - Red Lick

3.) **CIRCUIT NAME AND NUMBER** 0336

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Red Lick - Wisemantown Rd - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 557

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/05/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 1.6%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 1.6%
Overload- 0.0%
Planned Work- 0.2%
Trees- 0.9%
Utility Equipment- 95.7%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.77

10.) **2017 SAIDI** 93.53

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

12.) **2017 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 2 4KV
- 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** 453
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2014
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.6%
 - Lightning- 0.0%
 - Non-Company- 0.2%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 1.0%
 - Trees- 98.2%
 - Utility Equipment- 0.0%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.72
- 10.) **2017 SAIDI** 135.56
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2017 SAIFI** 1.03
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Tree Trim Scheduled for 2018

- 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)** 33.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,344
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/05/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 45.0%
- Other/Unknown- 6.0%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 37.9%
- Utility Equipment- 0.6%
- Vehicle- 9.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 123.69
- 10.) **2017 SAIDI** 189.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.26
- 12.) **2017 SAIFI** 1.06
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 4KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Bell - Corner of N 19th and Ironwood Rd - Middlesborough

3.) **CIRCUIT NAME AND NUMBER** 0371

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - N 19th St - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 218

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/22/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 37.9%
Overload- 0.0%
Planned Work- 62.1%
Trees- 0.0%
Utility Equipment- 0.0%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.76

10.) **2017 SAIDI** 3.56

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

12.) **2017 SAIFI** 0.05

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER MELDRUM

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) 20.1

6.) CUSTOMER COUNT FOR THIS CIRCUIT 444

7.) DATE OF LAST CIRCUIT TRIM (VM) 05/24/2016

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 19.2%
- Other/Unknown- 7.4%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 53.4%
- Utility Equipment- 0.8%
- Vehicle- 17.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 308.35

10.) 2017 SAIDI 332.58

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.25

12.) 2017 SAIFI 3.52

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DELAPLAIN
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Scott Ky - 413 Triport Cir - Sadieville
3.) **CIRCUIT NAME AND NUMBER** 0401
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sadieville - I75 - N of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.3
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 92
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/10/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 91.8%
Overload- 5.2%
Planned Work- 0.0%
Trees- 1.5%
Utility Equipment- 1.5%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.26

10.) **2017 SAIDI** 54.58

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

12.) **2017 SAIFI** 0.72

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DELAPLAIN
- 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)** 0.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2009

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 182.10
- 10.) **2017 SAIDI** 208.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.50
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** FORKS OF ELKHORN
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)** 52.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 658

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2012

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 7.1%
- Lightning- 2.4%
- Non-Company- 0.0%
- Other/Unknown- 22.2%
- Overload- 0.0%
- Planned Work- 7.1%
- Trees- 3.4%
- Utility Equipment- 57.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 146.66

10.) **2017 SAIDI** 113.19

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

12.) **2017 SAIFI** 3.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORKS OF ELKHORN
- 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** 773
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/23/2017
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 3.2%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 2.0%
 - Overload- 0.0%
 - Planned Work- 3.0%
 - Trees- 48.2%
 - Utility Equipment- 0.5%
 - Vehicle- 43.1%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 202.60
- 10.) **2017 SAIDI** 498.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.72
- 12.) **2017 SAIFI** 4.63
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** FORKS OF ELKHORN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Franklin - 3286 Georgetown Rd - Frankfort
- 3.) **CIRCUIT NAME AND NUMBER** 0407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Frankfort - Old Grand Dad Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/23/2017

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.07
- 10.) **2017 SAIDI** 75.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.67

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HOOVER 1
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Scott Ky - 3 Quality Dr - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Pocaontas Trl - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,601
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/02/2013
- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 98.7%
 - Construction- 0.0%
 - Lightning- 0.5%
 - Non-Company- 0.0%
 - Other/Unknown- 0.5%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 0.0%
 - Utility Equipment- 0.2%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.72
- 10.) **2017 SAIDI** **42.83**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.69
- 12.) **2017 SAIFI** **1.03**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 - Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** HOOVER 1
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Scott Ky - 3 Quality Dr - Georgetown
3.) **CIRCUIT NAME AND NUMBER** 0412
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Old Lemons Mill Rd - N of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 242
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/02/2013

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.28
10.) **2017 SAIDI** 39.49
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67
12.) **2017 SAIFI** 1.04

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	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	0413	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Harlan - US HWY 421 Bypass - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	12.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	661	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/23/2013	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.9%	
	Construction- 0.0%	
	Lightning- 24.5%	
	Non-Company- 0.0%	
	Other/Unknown- 13.4%	
	Overload- 0.0%	
	Planned Work- 2.6%	
	Trees- 58.4%	
	Utility Equipment- 0.2%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		134.22
10.) 2017 SAIDI		202.01
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.00
12.) 2017 SAIFI		0.93
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2018	

1.) **SUBSTATION NAME AND NUMBER** DAYHOIT
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** 582

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.6%
- Other/Unknown- 38.6%
- Overload- 0.0%
- Planned Work- 3.3%
- Trees- 53.0%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 164.27

10.) **2017 SAIDI** 176.37

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

12.) **2017 SAIFI** 1.88

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

Tree Trim Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** DAYHOIT
- 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** 415
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/14/2014
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 1.7%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 6.7%
 - Overload- 0.0%
 - Planned Work- 1.8%
 - Trees- 88.6%
 - Utility Equipment- 1.2%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 156.34
- 10.) **2017 SAIDI** 125.66
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22
- 12.) **2017 SAIFI** 1.46
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Tree Trim Scheduled for 2018

1.) **SUBSTATION NAME AND NUMBER** CAWOOD
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Bell - Off Slack Hollow Rd just N of S Old US HWY 421 - Cawood

3.) **CIRCUIT NAME AND NUMBER** 0419

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cawood - US HWY 421 Bypass - E of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 313

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/29/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 10.6%
- Non-Company- 0.6%
- Other/Unknown- 45.2%
- Overload- 0.0%
- Planned Work- 5.0%
- Trees- 35.4%
- Utility Equipment- 3.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.41

10.) **2017 SAIDI** 108.16

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

12.) **2017 SAIFI** 1.52

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** GEORGETOWN 4KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Scott Ky - 207 W Clinton St - Georgetown

3.) **CIRCUIT NAME AND NUMBER** 0421

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Water St - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 321

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 3.1%
Non-Company- 0.0%
Other/Unknown- 71.6%
Overload- 0.0%
Planned Work- 14.7%
Trees- 0.0%
Utility Equipment- 10.6%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.30

10.) **2017 SAIDI** 23.47

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

12.) **2017 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTENIA
- 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.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 33.9%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 64.2%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 422.10
- 10.) **2017 SAIDI** 885.89
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.10
- 12.) **2017 SAIFI** 2.16

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** TURTLE CREEK
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Harlan - HWY 990 - Cawood
3.) **CIRCUIT NAME AND NUMBER** 0432
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cawood - HWY 990 - SW of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 72
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/22/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.9%
- Non-Company- 0.0%
- Other/Unknown- 14.7%
- Overload- 0.0%
- Planned Work- 10.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 71.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 213.96
10.) **2017 SAIDI** **416.59**
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.27
12.) **2017 SAIFI** **2.45**

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

1.) **SUBSTATION NAME AND NUMBER** ROGERS GAP
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Scott Ky - 192 Harbor Village Dr - Stamping Ground

3.) **CIRCUIT NAME AND NUMBER** 0450

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stamping Ground - Cincinnati Rd - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 499

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/16/2013

8.) **2017 OUTAGES BY CAUSE**

Animal-	1.0%
Construction-	0.0%
Lightning-	87.2%
Non-Company-	0.0%
Other/Unknown-	7.4%
Overload-	0.0%
Planned Work-	0.3%
Trees-	4.0%
Utility Equipment-	0.2%
Vehicle-	0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.43

10.) **2017 SAIDI** 25.13

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

12.) **2017 SAIFI** 0.27

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

- 1.) **SUBSTATION NAME AND NUMBER** ADAMS 12KV
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott - 900 W Main St - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0452
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Paynes Depot Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,493
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.0%
- Lightning- 3.2%
- Non-Company- 0.0%
- Other/Unknown- 23.8%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 40.8%
- Utility Equipment- 27.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.92
- 10.) **2017 SAIDI** 18.82
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2017 SAIFI** 0.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ADAMS 12KV
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott - 900 W Main St - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0453
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown Rd - Frankfort Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 41.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,316
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2013
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 1.3%
 - Construction- 0.7%
 - Lightning- 0.3%
 - Non-Company- 0.0%
 - Other/Unknown- 60.7%
 - Overload- 2.2%
 - Planned Work- 1.0%
 - Trees- 12.6%
 - Utility Equipment- 21.2%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 60.99
- 10.) **2017 SAIDI** 68.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.15
- 12.) **2017 SAIFI** 2.14
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Reliability Improvements Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** CUMBERLAND
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Russel Dr just S of E Main St - Cumberland
- 3.) **CIRCUIT NAME AND NUMBER** 0454
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cumberland - Raymond D Hatfield Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 568
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 4.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 46.3%
- Trees- 46.4%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.98

10.) **2017 SAIDI** 128.76

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

12.) **2017 SAIFI** 0.98

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PEPPER PIKE
- 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** 760
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2012

- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 0.1%
 - Construction- 0.3%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 1.2%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 16.5%
 - Utility Equipment- 82.0%
 - Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.58
- 10.) **2017 SAIDI** 103.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88
- 12.) **2017 SAIFI** 1.40

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

- 1.) **SUBSTATION NAME AND NUMBER** PEPPER PIKE
- 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)** 49.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 509
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 14.5%
- Non-Company- 0.0%
- Other/Unknown- 3.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.3%
- Utility Equipment- 81.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 138.43
- 10.) **2017 SAIDI** 166.96
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.35
- 12.) **2017 SAIFI** 2.11

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

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	BLACK MOUNTAIN
	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	10
7.)	DATE OF LAST CIRCUIT TRIM (VM)	09/18/2015
8.)	2017 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	100.0%
	Trees-	0.0%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	465.56
10.)	2017 SAIDI	301.09
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.00
12.)	2017 SAIFI	1.45
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Continue to Monitor	

1.) SUBSTATION NAME AND NUMBER TOTZ

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.) 2017 OUTAGES BY CAUSE

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 84.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 15.0%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 353.70

10.) 2017 SAIDI 996.62

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.55

12.) 2017 SAIFI 4.05

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXFORD
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 1827 Oxford Dr - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0470
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Oxford Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 593
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/09/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 6.3%
- Construction- 0.0%
- Lightning- 3.1%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 38.9%
- Planned Work- 1.5%
- Trees- 15.5%
- Utility Equipment- 34.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.79
- 10.) **2017 SAIDI** 40.88
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2017 SAIFI** 0.25

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	OXFORD	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Scott Ky - 1827 Oxford Dr - Georgetown		
3.) CIRCUIT NAME AND NUMBER	0471	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Georgetown - Oxford Rd - S & E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	13.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	583	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/02/2013	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	100.0%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		22.51
10.) 2017 SAIDI		102.02
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.25
12.) 2017 SAIFI		1.00
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
Continue to Monitor		

- 1.) **SUBSTATION NAME AND NUMBER** SHADRACK
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Franklin - 74 Bethel Ln - Frankfort
- 3.) **CIRCUIT NAME AND NUMBER** 0475
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Frankfort - US HWY 127 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 562
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2008

8.) **2017 OUTAGES BY CAUSE**

- Animal- 5.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.6%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 55.1%
- Utility Equipment- 2.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 108.84
- 10.) **2017 SAIDI** 190.62
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.87
- 12.) **2017 SAIFI** 1.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STAMPING GROUND
- 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)** 56.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 467
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2012

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 37.8%
- Utility Equipment- 34.9%
- Vehicle- 0.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 191.85
- 10.) **2017 SAIDI** 329.29
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22
- 12.) **2017 SAIFI** 1.86

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	ROBBINS	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Harlan - E of 15537 Hwy 38 - Upper Clover		
3.) CIRCUIT NAME AND NUMBER	0487	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Upper Clover - Highway 38 - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	11.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	237	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/28/2017	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 0.4%	
	Non-Company- 0.0%	
	Other/Unknown- 4.9%	
	Overload- 0.0%	
	Planned Work- 13.0%	
	Trees- 47.9%	
	Utility Equipment- 3.0%	
	Vehicle- 30.8%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		175.86
10.) 2017 SAIDI		723.68
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.31
12.) 2017 SAIFI		4.64
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2017	

- 1.) **SUBSTATION NAME AND NUMBER** ROBBINS
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - E of 15537 Hwy 38 - Upper Clover
- 3.) **CIRCUIT NAME AND NUMBER** 0489
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Upper Clover - Highway 38 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.80
- 10.) **2017 SAIDI** 27.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** HOLMES MILL

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Harlan - 1/4 mile E of 25511 HWY 38 - Upper Clover

3.) **CIRCUIT NAME AND NUMBER** 0490

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Upper Clover - Highway 38 - NE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 18

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/29/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 83.3%

Overload- 0.0%

Planned Work- 16.7%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.61

10.) **2017 SAIDI** 198.06

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

12.) **2017 SAIFI** 1.28

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** HOLMES MILL

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)** 9.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 204

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/09/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 19.6%

Overload- 0.0%

Planned Work- 4.3%

Trees- 75.5%

Utility Equipment- 0.7%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 311.69

10.) **2017 SAIDI** 327.73

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.07

12.) **2017 SAIFI** 3.12

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

Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** MIDWAY 12KV
- 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)** 45.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 793
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2012

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 5.7%
- Trees- 18.3%
- Utility Equipment- 3.4%
- Vehicle- 66.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 121.88
- 10.) **2017 SAIDI** 331.61
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.27
- 12.) **2017 SAIFI** 2.96
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDWAY 12KV
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 860 Weisenburger Rd - Midway
- 3.) **CIRCUIT NAME AND NUMBER** 0504
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Midway - Weisenberger Mill Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 61.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 532
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/17/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.2%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 10.9%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 79.9%
- Utility Equipment- 7.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 123.01
- 10.) **2017 SAIDI** 332.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.97
- 12.) **2017 SAIFI** 1.67
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2017

1.) SUBSTATION NAME AND NUMBER	VERSAILLES	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Woodford - 150 Tanner Alley - Versailles	
3.) CIRCUIT NAME AND NUMBER	0506	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Versailles - Main St - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	503	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/30/2014	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 10.6%	
	Overload- 0.0%	
	Planned Work- 0.6%	
	Trees- 61.2%	
	Utility Equipment- 0.2%	
	Vehicle- 27.4%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		44.56
10.) 2017 SAIDI		102.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.49
12.) 2017 SAIFI		1.18
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2018	

1.) **SUBSTATION NAME AND NUMBER** VERSAILLES BYPASS

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Woodford - 350 Markham Dr - Versailles

3.) **CIRCUIT NAME AND NUMBER** 0509

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - Frankfort Rd - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 135.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,916

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/02/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 11.1%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 85.1%
- Utility Equipment- 2.1%
- Vehicle- 0.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 246.12

10.) **2017 SAIDI** 480.21

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

12.) **2017 SAIFI** 1.35

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	VERSAILLES WEST	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Woodford - 115 Rutter Rd - Versailles	
3.) CIRCUIT NAME AND NUMBER	0512	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Versailles - Tyrone Pike - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	32.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,114	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/19/2015	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 1.3%	
	Construction- 0.0%	
	Lightning- 0.2%	
	Non-Company- 0.0%	
	Other/Unknown- 1.1%	
	Overload- 0.0%	
	Planned Work- 0.1%	
	Trees- 71.6%	
	Utility Equipment- 18.0%	
	Vehicle- 7.7%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		111.14
10.) 2017 SAIDI		215.52
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.94
12.) 2017 SAIFI		0.94
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Reliability Improvements Scheduled for 2018	

- 1.) **SUBSTATION NAME AND NUMBER** ALEXANDER
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 2915 Troy Pike - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0515
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - N & S on McCowans Ferry Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 48.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,217
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/29/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 6.5%
- Non-Company- 0.0%
- Other/Unknown- 27.1%
- Overload- 0.0%
- Planned Work- 4.0%
- Trees- 0.2%
- Utility Equipment- 61.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.87
- 10.) **2017 SAIDI** 138.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.61
- 12.) **2017 SAIFI** 1.86

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

Reliability Improvements Completed in 2017

- 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)** 40.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 788
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/04/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 55.9%
- Construction- 0.0%
- Lightning- 9.2%
- Non-Company- 0.0%
- Other/Unknown- 30.4%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 3.2%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 108.15
- 10.) **2017 SAIDI** 147.07
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22
- 12.) **2017 SAIFI** 1.67

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

Reliability Improvements Completed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** SCIENCE HILL
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 45 E HWY 635 neat the intersection of E hwy 635 and Maple Ln - Science Hill
- 3.) **CIRCUIT NAME AND NUMBER** 0528
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Science Hill - E on HWY 635 and S on HWY 1247
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 578
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2008
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 1.4%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 11.0%
 - Overload- 0.0%
 - Planned Work- 1.3%
 - Trees- 4.7%
 - Utility Equipment- 81.1%
 - Vehicle- 0.4%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.01
- 10.) **2017 SAIDI** 56.55
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2017 SAIFI** 0.67
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** WAITSBORO
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Pulaski - 676 Old Monticello Rd at W Summitt Dr just W of HWY 27 - Somerset

3.) **CIRCUIT NAME AND NUMBER** 0534
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - Old Monticello Rd - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 464

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/24/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 13.6%
- Construction- 0.0%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 69.3%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 12.1%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.13

10.) **2017 SAIDI** 38.27

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

12.) **2017 SAIFI** 0.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET SOUTH
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 3084 S HWY 27 S of Monticello Rd - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 0541
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - HWY 27 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 282
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/15/2016
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.3%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 2.3%
 - Other/Unknown- 46.9%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 0.0%
 - Utility Equipment- 14.8%
 - Vehicle- 35.7%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.78
- 10.) **2017 SAIDI** 115.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2017 SAIFI** 1.23
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	BURNSIDE	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Pulaski - S Hwy 27 - Burnside		
3.) CIRCUIT NAME AND NUMBER	0545	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Burnside - HWY 27 & Old 27 - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	8.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	189	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/22/2016	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.3%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 88.4%	
	Overload- 0.0%	
	Planned Work- 0.2%	
	Trees- 10.8%	
	Utility Equipment- 0.3%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		73.08
10.) 2017 SAIDI		154.51
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.58
12.) 2017 SAIFI		1.25
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WHITLEY CITY
- UBSTATION 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** 614
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/31/2015
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 6.4%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 6.5%
 - Overload- 0.0%
 - Planned Work- 8.1%
 - Trees- 78.2%
 - Utility Equipment- 0.7%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.70
- 10.) **2017 SAIDI** 54.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91
- 12.) **2017 SAIFI** 0.92
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	REVELO	
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.) 2017 OUTAGES BY CAUSE		
	Animal- 23.6%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 4.2%	
	Overload- 0.0%	
	Planned Work- 1.3%	
	Trees- 64.0%	
	Utility Equipment- 6.8%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		38.42
10.) 2017 SAIDI		54.55
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.38
12.) 2017 SAIFI		0.37
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** SHUN PIKE
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jessamine - 1201 Short Shun Rd Nicholasville
- 3.) **CIRCUIT NAME AND NUMBER** 0581
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nicholasville - Short Shun Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 641
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/16/2016
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 1.2%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 4.4%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 93.7%
 - Utility Equipment- 0.7%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.92
- 10.) **2017 SAIDI** 73.08
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37
- 12.) **2017 SAIFI** 0.13
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** HIGH BRIDGE 4KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Jessamie - 200 Crusher Ln - Wilmore
3.) **CIRCUIT NAME AND NUMBER** 0590
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wilmore - High Bridge Road - S of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.3
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 135
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/23/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 1.1%
- Other/Unknown- 85.7%
- Overload- 0.3%
- Planned Work- 0.0%
- Trees- 7.8%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.16
10.) **2017 SAIDI** 211.25
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
12.) **2017 SAIFI** 1.29

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

1.) SUBSTATION NAME AND NUMBER	INNOVATION DRIVE	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Fayette - 2350 Innovation Dr - Lexington		
3.) CIRCUIT NAME AND NUMBER	0592	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Georgetown Rd - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	13.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	930	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/15/2015	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	23.9%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	6.2%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	69.9%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		150.37
10.) 2017 SAIDI		75.02
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.22
12.) 2017 SAIFI		1.31
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
Continue to Monitor		

1.) SUBSTATION NAME AND NUMBER	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)	24.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,874	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/29/2015	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	65.5%
	Non-Company-	32.7%
	Other/Unknown-	0.1%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	1.7%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		38.22
10.) 2017 SAIDI		154.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.44
12.) 2017 SAIFI		2.00
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) SUBSTATION NAME AND NUMBER	CAMARGO	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Montgomery - 555 S Queen St - Mt Sterling	
3.) CIRCUIT NAME AND NUMBER	0603	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Mount Sterling - S Queen St - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	16.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,293	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/06/2012	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.8%	
	Construction- 0.4%	
	Lightning- 76.2%	
	Non-Company- 12.0%	
	Other/Unknown- 7.0%	
	Overload- 0.0%	
	Planned Work- 1.4%	
	Trees- 0.5%	
	Utility Equipment- 1.7%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		33.40
10.) 2017 SAIDI		27.06
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.38
12.) 2017 SAIFI		0.41
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** CAMARGO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 555 S Queen St - Mt Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0604
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - US 460 HWY - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 620
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/12/2013
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.2%
 - Construction- 0.0%
 - Lightning- 9.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.3%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 0.4%
 - Utility Equipment- 0.8%
 - Vehicle- 89.2%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.54
- 10.) **2017 SAIDI** 47.07
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2017 SAIFI** 1.04
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
- Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** OWINGSVILLE
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)** 8.8
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 467
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/23/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 3.0%
Lightning- 0.8%
Non-Company- 0.0%
Other/Unknown- 77.0%
Overload- 0.0%
Planned Work- 1.5%
Trees- 1.4%
Utility Equipment- 16.3%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.77
10.) **2017 SAIDI** 71.10
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34
12.) **2017 SAIFI** 1.18

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	OWINGSVILLE	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Montgomery - 69 W Paul Lewis Dr - Owingsville		
3.) CIRCUIT NAME AND NUMBER	0611	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Owingsville - W Main St - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	24.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	720	
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/06/2013	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	1.8%
	Construction-	0.1%
	Lightning-	10.6%
	Non-Company-	0.1%
	Other/Unknown-	3.2%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	2.3%
	Utility Equipment-	81.9%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		64.92
10.) 2017 SAIDI		45.28
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.57
12.) 2017 SAIFI		1.21
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
Continue to Monitor		

- 1.) **SUBSTATION NAME AND NUMBER** MOREHEAD WEST
- UBSTATION 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** 393
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/07/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.1%
- Lightning- 29.1%
- Non-Company- 0.0%
- Other/Unknown- 5.9%
- Overload- 0.0%
- Planned Work- 3.5%
- Trees- 5.6%
- Utility Equipment- 4.2%
- Vehicle- 51.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.30
- 10.) **2017 SAIDI** 62.69
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39
- 12.) **2017 SAIFI** 0.41

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MOREHEAD 4KV	
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)	11/12/2016	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	30.2%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	69.8%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		2.77
10.) 2017 SAIDI		3.25
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.04
12.) 2017 SAIFI		0.03
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
Continue to Monitor		

1.) SUBSTATION NAME AND NUMBER	RODBURN 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Rowan - 1974 US HWY 60 E - Morehead	
3.) CIRCUIT NAME AND NUMBER	0622	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Morehead - Midland Trail - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	236	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/21/2017	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 48.4%	
	Overload- 0.0%	
	Planned Work- 2.0%	
	Trees- 49.5%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		55.03
10.) 2017 SAIDI		117.30
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.53
12.) 2017 SAIFI		1.16
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2017	

1.) SUBSTATION NAME AND NUMBER	RODBURN 12KV	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Rowan - 1974 US HWY 60 E - Morehead	
3.) CIRCUIT NAME AND NUMBER	0623	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Morehead - Rodburn Hollow Rd - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	4.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	303	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/27/2017	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 1.2%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 0.3%	
	Trees- 98.6%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		51.39
10.) 2017 SAIDI		56.54
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.43
12.) 2017 SAIFI		0.26
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2017	

1.) **SUBSTATION NAME AND NUMBER** ROCKWELL
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark - 5835 Rockwell Rd - Winchester

3.) **CIRCUIT NAME AND NUMBER** 0627

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - N & S on Van Meter Rd

5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 906

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.3%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 78.8%
Overload- 0.0%
Planned Work- 1.3%
Trees- 19.5%
Utility Equipment- 0.1%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.50

10.) **2017 SAIDI** 242.60

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

12.) **2017 SAIFI** 2.10

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

Reliability Improvements Completed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** ROCKWELL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 5835 Rockwell Rd - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0628
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Lexington RD - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,710
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/14/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 6.5%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 0.7%
- Utility Equipment- 3.9%
- Vehicle- 85.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.05
- 10.) **2017 SAIDI** **76.31**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.78
- 12.) **2017 SAIFI** **1.16**

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

Reliability Improvements Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** PARKER SEAL
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 390 Mt Sterling Rd - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0629
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Mt Sterling Rd - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 395
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 96.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.5%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.73
- 10.) **2017 SAIDI** 59.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2017 SAIFI** 0.68

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	0631	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Rolling Hills Ln - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	19.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	365	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/10/2016	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.7%	
	Construction- 0.0%	
	Lightning- 0.1%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 0.1%	
	Trees- 0.0%	
	Utility Equipment- 1.1%	
	Vehicle- 98.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		95.69
10.) 2017 SAIDI		50.68
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.88
12.) 2017 SAIFI		1.05
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)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 255
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/03/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 3.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 4.6%
- Vehicle- 91.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.94
- 10.) **2017 SAIDI** 35.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2017 SAIFI** 1.07
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER SOUTH
- 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** 379
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/04/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.7%
- Overload- 0.0%
- Planned Work- 67.9%
- Trees- 0.0%
- Utility Equipment- 12.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.53
- 10.) **2017 SAIDI** 20.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28
- 12.) **2017 SAIFI** 0.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BOONE AVENUE
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark - 660 Boone Ave. - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0639
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - By-Pass, Colby Rd, McClure Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 41.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,366
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/17/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 45.1%
- Non-Company- 0.0%
- Other/Unknown- 5.3%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.5%
- Utility Equipment- 13.6%
- Vehicle- 32.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.35
- 10.) **2017 SAIDI** 153.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.95
- 12.) **2017 SAIFI** 1.78

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BOONE AVENUE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 660 Boone Ave. - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0640
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Main St, Hughes Ave, Muddy Creek Rd - E of Subs.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 408
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 77.1%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 3.8%
- Utility Equipment- 18.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.29
- 10.) **2017 SAIDI** 50.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54
- 12.) **2017 SAIFI** 1.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER WATER
- 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)** 22.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,090
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/30/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 8.3%
- Non-Company- 0.0%
- Other/Unknown- 14.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 10.3%
- Utility Equipment- 65.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.48
- 10.) **2017 SAIDI** 38.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.47
- 12.) **2017 SAIFI** 0.52
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	WINCHESTER WATER	
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)	24.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	208	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/29/2012	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 25.3%	
	Non-Company- 0.0%	
	Other/Unknown- 19.4%	
	Overload- 0.0%	
	Planned Work- 0.5%	
	Trees- 5.9%	
	Utility Equipment- 46.5%	
	Vehicle- 2.4%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		38.29
10.) 2017 SAIDI		45.37
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.32
12.) 2017 SAIFI		0.38
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) SUBSTATION NAME AND NUMBER	WINCHESTER INDUSTRIAL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Clark - 705 Tech Dr - Winchester	
3.) CIRCUIT NAME AND NUMBER	0644	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Rolling Hills Ln - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	17	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/20/2017	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 100.0%	
	Trees- 0.0%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		3.38
10.) 2017 SAIDI		12.88
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.02
12.) 2017 SAIFI		0.06
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) **SUBSTATION NAME AND NUMBER** WINCHESTER INDUSTRIAL

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)** 3.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 14

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/20/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 100.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 2.81

10.) **2017 SAIDI** 5.00

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

12.) **2017 SAIFI** 0.07

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

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	WINCHESTER INDUSTRIAL	
	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Clark - 705 Tech Dr - Winchester	
3.)	CIRCUIT NAME AND NUMBER	0649	
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Enterprise Dr - N NW of Substation	
5.)	TOTAL CIRCUIT LENGTH (MILES)	0.9	
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	5	
7.)	DATE OF LAST CIRCUIT TRIM (VM)	10/20/2017	
8.)	2017 OUTAGES BY CAUSE		
	Animal-	0.0%	
	Construction-	0.0%	
	Lightning-	0.0%	
	Non-Company-	0.0%	
	Other/Unknown-	11.5%	
	Overload-	0.0%	
	Planned Work-	88.5%	
	Trees-	0.0%	
	Utility Equipment-	0.0%	
	Vehicle-	0.0%	
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		48.60
10.)	2017 SAIDI		212.20
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.28
12.)	2017 SAIFI		1.00
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor		

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

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** 316

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/09/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 99.0%

Non-Company- 0.0%

Other/Unknown- 0.3%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.62

10.) **2017 SAIDI** 59.67

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

12.) **2017 SAIFI** 0.30

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CAMARGO
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Montgomery - 555 S Queen St - Mt Sterling
3.) **CIRCUIT NAME AND NUMBER** 0659
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt Sterling - US Hwy 460 - SE of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.4
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 979
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 1.1%
Construction- 0.0%
Lightning- 0.6%
Non-Company- 0.0%
Other/Unknown- 16.3%
Overload- 0.0%
Planned Work- 0.0%
Trees- 77.2%
Utility Equipment- 4.8%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.28
10.) **2017 SAIDI** 136.71
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
12.) **2017 SAIFI** 0.82

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

Tree Trim Scheduled for 2018

1.) **SUBSTATION NAME AND NUMBER** BEDFORD RECC

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)** 33.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 879

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/28/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 2.2%

Construction- 0.0%

Lightning- 86.1%

Non-Company- 0.0%

Other/Unknown- 6.6%

Overload- 0.0%

Planned Work- 0.1%

Trees- 0.7%

Utility Equipment- 4.4%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.88
10.) 2017 SAIDI	20.05
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11
12.) 2017 SAIFI	0.19

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CARROLLTON 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Carroll - 802 Mason St - Carrollton
3.) **CIRCUIT NAME AND NUMBER** 0709
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - KY 36 - NW of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.0
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 399
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 1.3%
Non-Company- 0.0%
Other/Unknown- 77.1%
Overload- 0.0%
Planned Work- 0.0%
Trees- 21.5%
Utility Equipment- 0.1%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.81

10.) **2017 SAIDI** 82.76

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

12.) **2017 SAIFI** 0.54

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DAYTON-WALTHER

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Carroll - 5220 Highway 42 E - Carrollton

3.) **CIRCUIT NAME AND NUMBER** 0711

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - US HWY 42 - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2009

8.) **2017 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)** 20.00

10.) **2017 SAIDI** 24.00

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

12.) **2017 SAIFI** 1.00

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DOW CORNING
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Carroll - 4790 Highway 42 E - Carrollton

3.) **CIRCUIT NAME AND NUMBER** 0712

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - US HWY 42 - NE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/05/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 100.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.28

10.) **2017 SAIDI** 62.00

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

12.) **2017 SAIFI** 1.00

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** HUNTERS BOTTOM

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Trimble - 400 Hunter Heights Rd - Milton

3.) **CIRCUIT NAME AND NUMBER** 0719

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Milton - N Spillman Lan, HWY 421 N - SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 511

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

8.) **2017 OUTAGES BY CAUSE**

 Animal- 0.5%

 Construction- 0.0%

 Lightning- 0.3%

 Non-Company- 0.0%

 Other/Unknown- 7.4%

 Overload- 0.0%

 Planned Work- 0.0%

 Trees- 27.9%

 Utility Equipment- 4.0%

 Vehicle- 59.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 156.38

10.) **2017 SAIDI** **178.63**

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

12.) **2017 SAIFI** **1.70**

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

 Tree Trim Scheduled for 2018

- 1.) SUBSTATION NAME AND NUMBER LAWRENCE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Henry - 9255 HWY 55 - Campbellsburg
- 3.) CIRCUIT NAME AND NUMBER 0720
- 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Campbellsburg - HWY 55, HWY 316 - N & S of Substation
- 5.) TOTAL CIRCUIT LENGTH (MILES) 11.3
- 6.) CUSTOMER COUNT FOR THIS CIRCUIT 104
- 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/29/2014

- 8.) 2017 OUTAGES BY CAUSE
 - Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 9.9%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 0.0%
 - Trees- 0.0%
 - Utility Equipment- 90.1%
 - Vehicle- 0.0%

- 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 127.82
- 10.) 2017 SAIDI **134.17**
- 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.68
- 12.) 2017 SAIFI **1.03**

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

1.) **SUBSTATION NAME AND NUMBER** METAL & THERMIT
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** 434

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/27/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 67.5%

Non-Company- 0.0%

Other/Unknown- 3.4%

Overload- 0.0%

Planned Work- 1.0%

Trees- 27.9%

Utility Equipment- 0.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.72

10.) **2017 SAIDI** 110.28

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

12.) **2017 SAIFI** 1.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SCHOLLS
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Owen - 970 HWY 127 N - Owenton
- 3.) **CIRCUIT NAME AND NUMBER** 0724
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owenton - HWY 127 N, State HWY 845 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 181
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/13/2012

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 6.8%
- Lightning- 4.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 0.0%
- Utility Equipment- 78.4%
- Vehicle- 9.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.49
- 10.) **2017 SAIDI** 62.34
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2017 SAIFI** 0.25

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	SPARTA	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Owen - RR 1 Box 136C - Sparta		
3.) CIRCUIT NAME AND NUMBER	0730	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sparta - State HWY 467 - NE & SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	28.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	374	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/07/2013	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	0.1%
	Construction-	7.7%
	Lightning-	7.1%
	Non-Company-	0.0%
	Other/Unknown-	19.4%
	Overload-	0.0%
	Planned Work-	13.8%
	Trees-	51.4%
	Utility Equipment-	0.6%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		126.90
10.) 2017 SAIDI		328.81
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.63
12.) 2017 SAIFI		0.66
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2018	

1.) SUBSTATION NAME AND NUMBER	SPARTA	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Owen - RR 1 Box 136C - Sparta	
3.) CIRCUIT NAME AND NUMBER	0731	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sparta - State HWY 467 - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	110	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/10/2013	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 2.5%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 72.3%	
	Overload- 0.0%	
	Planned Work- 0.0%	
	Trees- 25.2%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		5.76
10.) 2017 SAIDI		20.13
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.07
12.) 2017 SAIFI		0.22
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2018	

1.) **SUBSTATION NAME AND NUMBER** MORGANFIELD 4KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Union - 307 Rhea St - Morganfield

3.) **CIRCUIT NAME AND NUMBER** 0747

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - SR 359, KY 130, & Beaver Dam Rd - E & N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 507

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/11/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 45.1%
- Trees- 0.0%
- Utility Equipment- 54.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.32

10.) **2017 SAIDI** 2.40

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

12.) **2017 SAIFI** 0.06

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

1.) **SUBSTATION NAME AND NUMBER** OVERLAND SOUTH
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Union - 859 McClure Chapel Rd - Morganfield
3.) **CIRCUIT NAME AND NUMBER** 0765
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - No Road - At Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Previous Cycle Date

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.20
10.) **2017 SAIDI** 36.00
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
12.) **2017 SAIFI** 1.00

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

1.) **SUBSTATION NAME AND NUMBER** STANFORD NORTH

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Lincoln - 300 Lee Dr - Stanford

3.) **CIRCUIT NAME AND NUMBER** 0768

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stanford - Danville Ave, Lancaster St - SW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 634

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/20/2013

8.) **2017 OUTAGES BY CAUSE**

 Animal- 1.0%

 Construction- 0.0%

 Lightning- 92.9%

 Non-Company- 0.0%

 Other/Unknown- 0.0%

 Overload- 0.0%

 Planned Work- 4.5%

 Trees- 1.3%

 Utility Equipment- 0.3%

 Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.45

10.) **2017 SAIDI** **48.44**

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

12.) **2017 SAIFI** **1.05**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG NORTH
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 1000 Warwick Rd - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0773
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Warwick Rd, N Greenville St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 189
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/19/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 1.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 89.0%
- Overload- 0.4%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 7.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.22

10.) **2017 SAIDI** 33.40

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

12.) **2017 SAIFI** 0.43

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 1000 Warwick Rd - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0774
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Collin Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/19/2016

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.16
- 10.) **2017 SAIDI** 20.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2017 SAIFI** 0.25
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MOREHEAD 12KV	
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Rowan - 100 E Wilkinson Blvd - Morehead		
3.) CIRCUIT NAME AND NUMBER	0779	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Morehead - Wilkinson Blvd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	7.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	448	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/27/2017	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	4.7%
	Lightning-	11.6%
	Non-Company-	0.0%
	Other/Unknown-	37.9%
	Overload-	0.0%
	Planned Work-	4.5%
	Trees-	0.0%
	Utility Equipment-	5.3%
	Vehicle-	36.1%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		37.00
10.) 2017 SAIDI		30.02
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.25
12.) 2017 SAIFI		0.27
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) **SUBSTATION NAME AND NUMBER** MOREHEAD 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Rowan - 100 E Wilkinson Blvd - Morehead

3.) **CIRCUIT NAME AND NUMBER** 0780

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - 2nd St - E of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.3

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,329

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/20/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.4%

Construction- 1.2%

Lightning- 13.3%

Non-Company- 0.1%

Other/Unknown- 1.0%

Overload- 0.0%

Planned Work- 2.9%

Trees- 22.2%

Utility Equipment- 0.9%

Vehicle- 58.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.50

10.) **2017 SAIDI** 122.58

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

12.) **2017 SAIFI** 0.78

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

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	CORPORATE DRIVE	
	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Clark - 4011 Corporate Dr - Winchester	
3.)	CIRCUIT NAME AND NUMBER	0798	
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Enterprise Dr - SE of Substation	
5.)	TOTAL CIRCUIT LENGTH (MILES)	1.1	
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	10	
7.)	DATE OF LAST CIRCUIT TRIM (VM)	No Previous Cycle Date	
8.)	2017 OUTAGES BY CAUSE		
		Animal- 0.0%	
		Construction- 0.0%	
		Lightning- 0.0%	
		Non-Company- 0.0%	
		Other/Unknown- 0.0%	
		Overload- 0.0%	
		Planned Work- 100.0%	
		Trees- 0.0%	
		Utility Equipment- 0.0%	
		Vehicle- 0.0%	
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		2.48
10.)	2017 SAIDI		6.00
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.04
12.)	2017 SAIFI		0.10
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
		Continue to Monitor	

1.) **SUBSTATION NAME AND NUMBER** CROSSROADS
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 1340 Amanda Ln - Nortonville
3.) **CIRCUIT NAME AND NUMBER** 0813
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nortonville - No Road - N of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 6
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2017

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.33
10.) **2017 SAIDI** 42.00
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
12.) **2017 SAIFI** 1.00

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

- 1.) **SUBSTATION NAME AND NUMBER** DOZIER HEIGHTS
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 200 Claire Ln - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0814
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Circuit no longer exists - N/A
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2017

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.80
- 10.) **2017 SAIDI** 44.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DOZIER HEIGHTS
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** 652

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/07/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 4.1%

Non-Company- 0.0%

Other/Unknown- 14.5%

Overload- 0.4%

Planned Work- 3.0%

Trees- 40.0%

Utility Equipment- 37.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.54

10.) **2017 SAIDI** 49.07

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

12.) **2017 SAIFI** 0.61

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

Tree Trim Scheduled for 2018

1.) **SUBSTATION NAME AND NUMBER** NORTONVILLE
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 55 Holly Ln - Nortonville

3.) **CIRCUIT NAME AND NUMBER** 0819

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nortonville - City of Nortonville, US 41, & Red Hill Rd - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 887

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

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 56.3%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 42.5%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 77.99

10.) **2017 SAIDI** 46.38

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

12.) **2017 SAIFI** 1.21

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

Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** MORTONS GAP
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 900 White Plains Rd - Mortons Gap
- 3.) **CIRCUIT NAME AND NUMBER** 0823
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mortons Gap - Trabue Rd, Flat Creek Rd, & Old White Plains Rd - N/S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 206
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 25.2%
- Non-Company- 0.0%
- Other/Unknown- 6.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 67.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.00
- 10.) **2017 SAIDI** 39.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60
- 12.) **2017 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SYLVANIA 12KV
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)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,425
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/18/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 11.7%
- Non-Company- 0.0%
- Other/Unknown- 57.9%
- Overload- 0.7%
- Planned Work- 6.4%
- Trees- 21.5%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.99
- 10.) **2017 SAIDI** 35.69
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49
- 12.) **2017 SAIFI** 0.55

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SYLVANIA 12KV
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)** 43.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,041
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/18/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 18.5%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 28.5%
- Utility Equipment- 48.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.52
- 10.) **2017 SAIDI** 44.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.65
- 12.) **2017 SAIFI** 0.56

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

Trees Trimmed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** BRYANT ROAD
- 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 & I75 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,780
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/22/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 34.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 0.0%
- Utility Equipment- 61.4%
- Vehicle- 0.0%

- | | |
|--|------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 4.79 |
| 10.) 2017 SAIDI | 9.94 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.06 |
| 12.) 2017 SAIFI | 0.07 |

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CYNTHIANA SOUTH
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - 460 Education Dr - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0881
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - New Lair Rd, Hwy 27 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 498
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 86.6%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 1.9%
- Utility Equipment- 4.7%
- Vehicle- 4.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.15
- 10.) **2017 SAIDI** 68.55
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2017 SAIFI** 1.07

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE MID

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** 77

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 86.3%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 13.7%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.68

10.) **2017 SAIDI** 35.49

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

12.) **2017 SAIFI** 0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE MID
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 314 Lexington St - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0908
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Forest Ave, Wood St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 191
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.8%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.0%
- Utility Equipment- 80.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.37
- 10.) **2017 SAIDI** 18.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE MID
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 314 Lexington St - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0909
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - E 2nd St, Lexington St - NW & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 500
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 55.6%
- Utility Equipment- 44.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 6.03
- 10.) **2017 SAIDI** 14.24
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.10
- 12.) **2017 SAIFI** 0.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTON
- 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)** 63.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 896
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/30/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 72.7%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 1.6%
- Utility Equipment- 24.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 259.82

10.) **2017 SAIDI** 509.26

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.71

12.) **2017 SAIFI** 2.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AUGUSTA
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bracken - 318 E 4th St. - Augusta
- 3.) **CIRCUIT NAME AND NUMBER** 0929
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Augusta - 5th Street, Old August-Brooksville Rd - W&SW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 654
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/18/2012

8.) **2017 OUTAGES BY CAUSE**

- Animal- 13.0%
- Construction- 0.0%
- Lightning- 27.5%
- Non-Company- 2.1%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 11.6%
- Trees- 41.8%
- Utility Equipment- 4.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.76
- 10.) **2017 SAIDI** 100.20
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71
- 12.) **2017 SAIFI** 1.59
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AUGUSTA
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bracken - 318 E 4th St. - Augusta
- 3.) **CIRCUIT NAME AND NUMBER** 0931
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Augusta - Hamilton Ave, E 2nd St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 286
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/15/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 9.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 89.7%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 6.67

10.) **2017 SAIDI** 10.59

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

12.) **2017 SAIFI** 0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHARON
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bracken - 3061 Asbury Rd - Augusta
- 3.) **CIRCUIT NAME AND NUMBER** 0935
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Augusta - Mt Zion Rd, City of Brooksville, Hwy 10&19 - NW&SW of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 75.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,175
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 8.1%
- Construction- 0.0%
- Lightning- 40.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 4.4%
- Utility Equipment- 46.0%
- Vehicle- 1.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.64
- 10.) **2017 SAIDI** 83.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59
- 12.) **2017 SAIFI** 1.44
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHARON
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bracken - 3061 Asbury Rd - Augusta
- 3.) **CIRCUIT NAME AND NUMBER** 0936
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Augusta - Dutch Ridge Rd, KY 1235, City of Dover - N&NE of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 51.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 608
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.6%
- Lightning- 56.5%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 7.6%
- Utility Equipment- 30.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.29
- 10.) **2017 SAIDI** 45.71
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2017 SAIFI** 0.26
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SARDIS
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 4000 Blue Lick Rd - Mays Lick
- 3.) **CIRCUIT NAME AND NUMBER** 0940
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mays Lick/Mt Olivet - Hwy 62, Brierly Ridge Rd - W&NW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 466
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 73.8%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 25.2%
- Trees- 0.0%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 140.24
- 10.) **2017 SAIDI** 262.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.33
- 12.) **2017 SAIFI** 3.03
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** SARDIS
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Mason - 4000 Blue Lick Rd - Mays Lick

3.) **CIRCUIT NAME AND NUMBER** 0941

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mays Lick - Hwy 62 - NE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 45

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2013

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.25

10.) **2017 SAIDI** 89.44

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

12.) **2017 SAIFI** 0.78

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** 0960
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Flemingsburg - City of Flemingsburg - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 972
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 74.8%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 17.7%
- Utility Equipment- 5.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.83

10.) **2017 SAIDI** 346.90

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

12.) **2017 SAIFI** 1.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLEMINGSBURG
- 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** 449
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 25.6%
- Non-Company- 0.2%
- Other/Unknown- 10.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 17.8%
- Utility Equipment- 45.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.49
- 10.) **2017 SAIDI** 125.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26
- 12.) **2017 SAIFI** 0.56
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 6964 KY Hwy 11 - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0965
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Hwy 11 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 42.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 511
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 66.5%
- Non-Company- 0.3%
- Other/Unknown- 28.6%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.0%
- Utility Equipment- 1.7%
- Vehicle- 2.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 141.16
- 10.) **2017 SAIDI** 456.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.97
- 12.) **2017 SAIFI** 1.90

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEDONIA
- 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)** 26.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 520
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 0.0%
- Other/Unknown- 98.6%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.1%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 242.14
- 10.) **2017 SAIDI** 554.62
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 12.) **2017 SAIFI** 1.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2017

- 1.) **SUBSTATION NAME AND NUMBER** WEDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 6964 KY Hwy 11 - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0967
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Flemingsbur - Hwy 11 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 299
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/27/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 7.5%
- Non-Company- 0.0%
- Other/Unknown- 83.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 6.5%
- Utility Equipment- 2.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 130.52
- 10.) **2017 SAIDI** 587.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2017 SAIFI** 1.58

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** HIGBY MILL 12KV

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 308 Waveland Museum Ln - Lexington

3.) **CIRCUIT NAME AND NUMBER** 1071

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Man O War Blvd - NW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,701

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.4%
- Construction- 0.0%
- Lightning- 5.3%
- Non-Company- 0.0%
- Other/Unknown- 7.2%
- Overload- 0.0%
- Planned Work- 14.3%
- Trees- 1.2%
- Utility Equipment- 67.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 145.77

10.) **2017 SAIDI** 47.28

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

12.) **2017 SAIFI** 0.99

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

Reliability Improvements Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** VINE STREET 12KV
- 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.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 16.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 83.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.24

10.) **2017 SAIDI** 129.18

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

12.) **2017 SAIFI** 0.45

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

Continue to Monitor

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

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)** 14.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 208

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/29/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 6.0%

Construction- 0.0%

Lightning- 1.7%

Non-Company- 0.0%

Other/Unknown- 1.4%

Overload- 0.0%

Planned Work- 90.7%

Trees- 0.1%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 109.85

10.) **2017 SAIDI** 159.56

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

12.) **2017 SAIFI** 1.07

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CLINTON 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hickman - 318 Moss Drive - Clinton

3.) **CIRCUIT NAME AND NUMBER** 1316

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Clinton - City of Clinton, Hwy 58,

5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 659

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/23/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 1.7%
Construction- 0.0%
Lightning- 0.1%
Non-Company- 2.1%
Other/Unknown- 36.4%
Overload- 0.0%
Planned Work- 2.2%
Trees- 54.4%
Utility Equipment- 3.1%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 178.14

10.) **2017 SAIDI** 129.04

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

12.) **2017 SAIFI** 1.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORESTDALE
- 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)** 41.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 912
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/21/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.5%
- Lightning- 3.9%
- Non-Company- 2.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 11.1%
- Utility Equipment- 79.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.20
- 10.) **2017 SAIDI** 300.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.79
- 12.) **2017 SAIFI** 1.73

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRUTCHFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fulton - 200 Crutchfield St - Fulton
- 3.) **CIRCUIT NAME AND NUMBER** 1323
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Fulton - Depot St, Hwy 924 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 40
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/25/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 8.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 71.0%
- Utility Equipment- 17.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 235.16
- 10.) **2017 SAIDI** 668.48
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.64
- 12.) **2017 SAIFI** 3.82

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CABIN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Livingston - 900 Three Rivers Rock Rd - Burna
- 3.) **CIRCUIT NAME AND NUMBER** 1330
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Burna - 900 Three Rivers Rock Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 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)** 126.25
- 10.) **2017 SAIDI** 239.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.25
- 12.) **2017 SAIFI** 1.50
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DIAMOND
- 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** 125
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2009

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 11.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.6%
- Utility Equipment- 87.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.97
- 10.) **2017 SAIDI** 85.52
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2017 SAIFI** 1.25
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CORYDON
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Henderson - 5430 Greenlick Rd - Corydon

3.) **CIRCUIT NAME AND NUMBER** 1429

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corydon - King Mill Rd - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 40

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.28

10.) **2017 SAIDI** 32.78

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

12.) **2017 SAIFI** 0.46

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** TUNNEL HILL
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** 381
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/05/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.4%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 2.3%
Overload- 0.0%
Planned Work- 0.0%
Trees- 23.6%
Utility Equipment- 0.3%
Vehicle- 73.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.59
10.) **2017 SAIDI** 89.31
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.07
12.) **2017 SAIFI** 1.21

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 1000 John Hardy Rd - Madisonville

3.) **CIRCUIT NAME AND NUMBER** 1454

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Pleasant View Rd & Austin Powder Rd - SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 55

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/26/2013

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.26

10.) **2017 SAIDI** 2.79

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

12.) **2017 SAIFI** 0.05

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** 421
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 34.1%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 4.3%
- Trees- 58.1%
- Utility Equipment- 2.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 3.62
- 10.) **2017 SAIDI** 3.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.04
- 12.) **2017 SAIFI** 0.04
- 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** 1473
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sebree - Railroad St, Dixon St, State St, & Church St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 323
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2015

- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 100.0%
 - Trees- 0.0%
 - Utility Equipment- 0.0%
 - Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.08
- 10.) **2017 SAIDI** 1.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2017 SAIFI** 0.01
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** EARLINGTON 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 310-A McEuen - Madisonville
3.) **CIRCUIT NAME AND NUMBER** 1476
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Railroad St - SE of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.5
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 681
7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Previous Cycle Date

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 2.6%
Overload- 0.0%
Planned Work- 0.5%
Trees- 80.3%
Utility Equipment- 16.5%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.95

10.) **2017 SAIDI** 120.43

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

12.) **2017 SAIFI** 2.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EARLINGTON 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 310-A McEuen - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 1477
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Hwy 2171, Airport Rd - NW&NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 250
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Previous Cycle Date

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 5.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 54.8%
- Utility Equipment- 38.4%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 163.94
- 10.) **2017 SAIDI** 237.61
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.03
- 12.) **2017 SAIFI** 2.64

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER EARLINGTON

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 310-A McEuen - Madisonville

3.) CIRCUIT NAME AND NUMBER 1480

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Madisonville - N McEwen Ave, W Moss Ave Carlton Ln - SE/NW of Subst

5.) TOTAL CIRCUIT LENGTH (MILES) 0.0

6.) CUSTOMER COUNT FOR THIS CIRCUIT 276

7.) DATE OF LAST CIRCUIT TRIM (VM) 04/02/2015

8.) 2017 OUTAGES BY CAUSE

Animal- 0.0%
Construction- 0.0%
Lightning- 28.7%
Non-Company- 0.0%
Other/Unknown- 4.9%
Overload- 0.0%
Planned Work- 6.5%
Trees- 58.1%
Utility Equipment- 1.9%
Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 10.28

10.) 2017 SAIDI 38.47

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.14

12.) 2017 SAIFI 0.54

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

Continue to Monitor

- 1.) SUBSTATION NAME AND NUMBER EARLINGTON
- 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 310-A McEuen - Madisonville
- 3.) CIRCUIT NAME AND NUMBER 1481
- 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Madisonville - N Robinson St, Rutter Ave - E of Substation
- 5.) TOTAL CIRCUIT LENGTH (MILES) 0.0
- 6.) CUSTOMER COUNT FOR THIS CIRCUIT 210
- 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/02/2015

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 43.9%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 20.2%
- Trees- 1.6%
- Utility Equipment- 0.0%
- Vehicle- 34.1%

- 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 53.34
- 10.) 2017 SAIDI 238.34
- 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.73
- 12.) 2017 SAIFI 3.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MADISONVILLE EAST
- 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)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 24
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/03/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 26.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 73.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.87
- 10.) **2017 SAIDI** 9.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.10
- 12.) **2017 SAIFI** 0.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREDONIA QUARRY 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Caldwell - 181 Fredonia Quarry Rd - Fredonia
- 3.) **CIRCUIT NAME AND NUMBER** 1513
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Fredonia - Beck Rd & New Bethel Church Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 36
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 5.5%
- Non-Company- 0.0%
- Other/Unknown- 91.3%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.56
- 10.) **2017 SAIDI** 183.24
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.73
- 12.) **2017 SAIFI** 1.03

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

Reliability Improvements Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** SUNSET 2 2.4KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 1515 Olney Rd - Dawson Springs
- 3.) **CIRCUIT NAME AND NUMBER** 1523
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Hwy 1220, Purdy Ln, & Walnut Grove Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/02/2017
- 8.) **2017 OUTAGES BY CAUSE**
- Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 100.0%
 - Trees- 0.0%
 - Utility Equipment- 0.0%
 - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.47
- 10.) **2017 SAIDI** 64.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 12.) **2017 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
 Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** SUNSET 2 2.4KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 1515 Olney Rd - Dawson Springs

3.) **CIRCUIT NAME AND NUMBER** 1524

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Olney Rd, Walton Calvert Rd. & McClearn Ln - NW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 59

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/02/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 96.1%

Trees- 0.0%

Utility Equipment- 3.9%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.77

10.) **2017 SAIDI** 66.61

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

12.) **2017 SAIFI** 1.02

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DAWSON SPRINGS
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 205 Munn St - Dawson Springs

3.) **CIRCUIT NAME AND NUMBER** 1526

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - E Walnut St, E Keigan St E Ramsey St - NE of Subst.

5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 507

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 14.9%

Overload- 0.0%

Planned Work- 5.6%

Trees- 16.5%

Utility Equipment- 26.3%

Vehicle- 36.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.76

10.) **2017 SAIDI** 15.86

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

12.) **2017 SAIFI** 0.18

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DAWSON 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 203 Parker St - Dawson Springs
3.) **CIRCUIT NAME AND NUMBER** 1529
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Mill Dam Rd, Mt Hebron Rd, Hwy 672 - W & SW
5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.3
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 440
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/24/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 1.2%
Construction- 0.0%
Lightning- 9.5%
Non-Company- 0.0%
Other/Unknown- 0.7%
Overload- 0.0%
Planned Work- 0.0%
Trees- 54.9%
Utility Equipment- 33.8%
Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.19
10.) **2017 SAIDI** 123.16
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.12
12.) **2017 SAIFI** 1.51

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DAWSON 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hopkins - 203 Parker St - Dawson Springs

3.) **CIRCUIT NAME AND NUMBER** 1530

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Hospital Dr, Saddle Club Rd - NE & SE of Subst

5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 294

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 76.8%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 21.2%
- Utility Equipment- 0.0%
- Vehicle- 0.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.24

10.) **2017 SAIDI** **162.48**

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81

12.) **2017 SAIFI** **1.11**

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Christian - 23530 Dawson Springs Rd -Dawson Springs

3.) **CIRCUIT NAME AND NUMBER** 1546

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Outwood Comprehensive Ctr - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1

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

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2017

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.40

10.) **2017 SAIDI** 122.00

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

12.) **2017 SAIFI** 2.00

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** SHAVERS CHAPEL
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Muhlenberg - 7870 S R 181 N - Bremen

3.) **CIRCUIT NAME AND NUMBER** 1612

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bremen - S R 181, HWY 70, & New Harmony Rd- S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 783

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/21/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.9%

Construction- 0.0%

Lightning- 31.3%

Non-Company- 0.6%

Other/Unknown- 0.8%

Overload- 2.0%

Planned Work- 2.5%

Trees- 58.8%

Utility Equipment- 3.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.53

10.) **2017 SAIDI** 62.93

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

12.) **2017 SAIFI** 0.78

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

Tree Trim Scheduled for 2018

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE 12KV
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 200 N Boggess Ave - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1614
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - Outer York, Lake Rd, & Rogers Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 66
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 11.8%
- Construction- 0.0%
- Lightning- 72.0%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 13.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 6.89
- 10.) **2017 SAIDI** 15.14
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.26
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE WEST
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - S Walton St - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1618
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - Campbell St, Main St, & Chatham Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 292
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 19.1%
 - Overload- 0.0%
 - Planned Work- 78.0%
 - Trees- 0.0%
 - Utility Equipment- 2.9%
 - Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.08
- 10.) **2017 SAIDI** 13.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2017 SAIFI** 0.14

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

- 1.) **SUBSTATION NAME AND NUMBER** LIVERMORE
- 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** 346
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/22/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 19.6%
- Trees- 80.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.64
- 10.) **2017 SAIDI** 12.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17
- 12.) **2017 SAIFI** 0.11

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CENTRAL CITY

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Muhlenberg - 106 Pendleton St - Central City

3.) **CIRCUIT NAME AND NUMBER** 1646

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Central City - E Reservoir St, N Railroad St, E Broad St - S/E of Subst

5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.3

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 567

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/01/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 1.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 3.3%

Trees- 0.3%

Utility Equipment- 95.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.67

10.) **2017 SAIDI** 53.11

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

12.) **2017 SAIFI** 0.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTRAL CITY SOUTH
- 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)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 407
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 3.0%
- Construction- 0.0%
- Lightning- 78.1%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 16.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.00
- 10.) **2017 SAIDI** 72.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59
- 12.) **2017 SAIFI** 0.73
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Muhlenberg - 2665 S Route 2107 - Bevier

3.) **CIRCUIT NAME AND NUMBER** 1666

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bevier - Robertson St, Main St, Holts Rd - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 190

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/02/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.5%

Overload- 0.0%

Planned Work- 0.0%

Trees- 98.9%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 189.61

10.) **2017 SAIDI** 87.04

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

12.) **2017 SAIFI** 1.03

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

Tree Trim Scheduled for 2018

1.) **SUBSTATION NAME AND NUMBER** BEECH CREEK 1
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Muhlenberg - 169 Beech Creek Browder Rd - Beech Creek

3.) **CIRCUIT NAME AND NUMBER** 1668

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beech Creek - Arnold Hill Rd, State Route 1163 - SW of Subst.

5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 292

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.9%

Non-Company- 0.0%

Other/Unknown- 1.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 74.3%

Utility Equipment- 23.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.09

10.) **2017 SAIDI** 56.23

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

12.) **2017 SAIFI** 0.53

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DRAKESBORO
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Muhlenberg - 201 S Mine St - Drakesboro

3.) **CIRCUIT NAME AND NUMBER** 1673

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Drakesboro - Simmons St, S R 176, Merle Travis Hwy - SW of Subs

5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 283

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2008

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 6.3%
- Non-Company- 0.4%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 0.0%
- Utility Equipment- 92.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 194.52

10.) **2017 SAIDI** 244.08

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.18

12.) **2017 SAIFI** 2.30

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	DRAKESBORO
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Muhlenberg - 201 S Mine St - Drakesboro
3.) CIRCUIT NAME AND NUMBER	1674
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Drakesboro - Broad St, SR 2107, & Big Springs Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	378
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/19/2013

8.) 2017 OUTAGES BY CAUSE

Animal-	0.0%
Construction-	0.0%
Lightning-	11.0%
Non-Company-	0.0%
Other/Unknown-	1.8%
Overload-	70.0%
Planned Work-	0.0%
Trees-	14.2%
Utility Equipment-	2.9%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.32
10.) 2017 SAIDI	29.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.45
12.) 2017 SAIFI	0.35
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SALEM
- 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)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 405
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 2.9%
- Non-Company- 71.6%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 3.7%
- Trees- 2.9%
- Utility Equipment- 2.1%
- Vehicle- 9.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.94
- 10.) **2017 SAIDI** 48.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2017 SAIFI** 1.21
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MARION SOUTH
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Crittenden - 505 Chappell Hill Rd - Marion
- 3.) **CIRCUIT NAME AND NUMBER** 1710
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Marion - Hwy 60, N Main St, Sturgis Rd, & Old Fords Ferry Rd - N & W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 904
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/01/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 1.2%
- Non-Company- 0.0%
- Other/Unknown- 25.1%
- Overload- 0.0%
- Planned Work- 12.0%
- Trees- 17.2%
- Utility Equipment- 43.4%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.45
- 10.) **2017 SAIDI** **135.20**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66
- 12.) **2017 SAIFI** **1.74**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** MARION SOUTH
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Crittenden - 505 Chappell Hill Rd - Marion

3.) **CIRCUIT NAME AND NUMBER** 1711

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Marion - HWY 641 - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 363

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/01/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 10.0%
Construction- 0.0%
Lightning- 2.5%
Non-Company- 65.9%
Other/Unknown- 6.7%
Overload- 0.0%
Planned Work- 8.9%
Trees- 3.0%
Utility Equipment- 0.0%
Vehicle- 2.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.40

10.) **2017 SAIDI** 49.07

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

12.) **2017 SAIFI** 0.57

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STURGIS 4KV
- 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** 384
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2015

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.43
- 10.) **2017 SAIDI** 4.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2017 SAIFI** 0.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STURGIS 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 1402 N Washington St - Sturgis
- 3.) **CIRCUIT NAME AND NUMBER** 1726
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sturgis - Midway Dr, Waller Omer Rd, & S R 109 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 344
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2015

- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 0.0%
 - Construction- 0.0%
 - Lightning- 0.0%
 - Non-Company- 0.0%
 - Other/Unknown- 0.0%
 - Overload- 0.0%
 - Planned Work- 98.6%
 - Trees- 1.4%
 - Utility Equipment- 0.0%
 - Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.51
- 10.) **2017 SAIDI** 77.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17
- 12.) **2017 SAIFI** 0.69

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

1.) **SUBSTATION NAME AND NUMBER** STURGIS 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Union - 1402 N Washington St - Sturgis

3.) **CIRCUIT NAME AND NUMBER** 1728

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sturgis - Hwy 60, King St, Hwy 270, & Hwy 143 - S & N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.5

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 943

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 2.4%

Construction- 0.1%

Lightning- 0.4%

Non-Company- 0.0%

Other/Unknown- 1.4%

Overload- 0.0%

Planned Work- 0.7%

Trees- 32.5%

Utility Equipment- 56.5%

Vehicle- 6.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.26

10.) **2017 SAIDI** 67.43

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

12.) **2017 SAIFI** 0.39

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

Tree Trim Scheduled for 2018

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 2823 S R 130 S - Morganfield

3.) **CIRCUIT NAME AND NUMBER** 1733

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - Robinson Rd & US HWY 60 - SSE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 33

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/20/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 7.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.8%
- Overload- 0.0%
- Planned Work- 74.6%
- Trees- 0.0%
- Utility Equipment- 7.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.90

10.) **2017 SAIDI** 17.13

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

12.) **2017 SAIFI** 0.18

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 305 Rhea St - Morganfield

3.) **CIRCUIT NAME AND NUMBER** 1750

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - S R 947, N Chapman St, & Hedge Rd - NW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 303

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/07/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 39.9%

Non-Company- 0.0%

Other/Unknown- 6.5%

Overload- 0.0%

Planned Work- 3.6%

Trees- 15.0%

Utility Equipment- 35.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.46

10.) **2017 SAIDI** 4.78

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

12.) **2017 SAIFI** 0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PRIDE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 84 Railroad Bed Rd - Sturgis
- 3.) **CIRCUIT NAME AND NUMBER** 1757
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sturgis - S R 270 & W B Goad Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 32
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 68.0%
- Trees- 0.0%
- Utility Equipment- 32.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.30

10.) **2017 SAIDI** 9.46

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

12.) **2017 SAIFI** 0.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** 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)** 22.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 206
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2009

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 45.4%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 0.0%
- Utility Equipment- 47.9%
- Vehicle- 4.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.59
- 10.) **2017 SAIDI** 163.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.50
- 12.) **2017 SAIFI** 2.78

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER WAVERLY

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Union - 178 Blessed Martin Rd - Waverly

3.) CIRCUIT NAME AND NUMBER 1764

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Waverly - E Main St, S Maple St, & E Market St - S of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 3.9

6.) CUSTOMER COUNT FOR THIS CIRCUIT 164

7.) DATE OF LAST CIRCUIT TRIM (VM) Not on 2017 Trim Plan

8.) 2017 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 20.4%

Overload- 0.0%

Planned Work- 0.0%

Trees- 1.4%

Utility Equipment- 78.3%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 27.27

10.) 2017 SAIDI 61.43

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.40

12.) 2017 SAIFI 0.65

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER HARTFORD

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Ohio - 425 Walnut St - Hartford

3.) CIRCUIT NAME AND NUMBER 1913

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Hartford - US HWY 231, Washington St, Union St- N & NE of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 9.4

6.) CUSTOMER COUNT FOR THIS CIRCUIT 573

7.) DATE OF LAST CIRCUIT TRIM (VM) 12/16/2017

8.) 2017 OUTAGES BY CAUSE

Animal- 1.7%

Construction- 0.0%

Lightning- 0.3%

Non-Company- 23.7%

Other/Unknown- 13.3%

Overload- 0.6%

Planned Work- 0.1%

Trees- 59.4%

Utility Equipment- 0.8%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 86.11

10.) 2017 SAIDI 140.33

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.99

12.) 2017 SAIFI 1.72

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

Trees Trimmed in 2017

1.) **SUBSTATION NAME AND NUMBER** BEAVER DAM

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 310 Ridgecrest Dr. - Beaver Dam

3.) **CIRCUIT NAME AND NUMBER** 1916

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beaver Dam - Main St. - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 860

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 3.5%

Construction- 0.0%

Lightning- 0.8%

Non-Company- 15.9%

Other/Unknown- 2.8%

Overload- 1.1%

Planned Work- 4.2%

Trees- 69.0%

Utility Equipment- 0.5%

Vehicle- 2.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.50

10.) **2017 SAIDI** 56.71

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

12.) **2017 SAIFI** 0.72

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

Tree Trim Scheduled for 2018

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 20 Parksville Cross Pike - Danville

3.) **CIRCUIT NAME AND NUMBER** 2100

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Parksville Cross Pike & Lebanon Rd - S of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 275

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 19.9%

Construction- 0.0%

Lightning- 15.6%

Non-Company- 0.0%

Other/Unknown- 7.3%

Overload- 0.0%

Planned Work- 14.1%

Trees- 0.0%

Utility Equipment- 43.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.17

10.) **2017 SAIDI** 16.42

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

12.) **2017 SAIFI** 0.20

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** BUENA VISTA

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 164 High Bridge Rd. - Lancaster

3.) **CIRCUIT NAME AND NUMBER** 2104

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - High Bridge Rd, Pine Crest Rd, & Camp Dix Rd - NW & SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.9

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 594

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/04/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 4.5%

Construction- 18.3%

Lightning- 48.4%

Non-Company- 0.9%

Other/Unknown- 3.3%

Overload- 0.0%

Planned Work- 0.6%

Trees- 23.4%

Utility Equipment- 0.6%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.49

10.) **2017 SAIDI** 40.51

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

12.) **2017 SAIFI** 0.46

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	RICHMOND 3 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Madison - 950 Vickers Dr - Richmond	
3.) CIRCUIT NAME AND NUMBER	2109	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - Lancaster Rd - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	58.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,330	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/24/2014	
8.) 2017 OUTAGES BY CAUSE		
	Animal- 0.3%	
	Construction- 0.0%	
	Lightning- 0.2%	
	Non-Company- 0.0%	
	Other/Unknown- 20.7%	
	Overload- 0.0%	
	Planned Work- 0.4%	
	Trees- 48.5%	
	Utility Equipment- 1.2%	
	Vehicle- 28.7%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		69.33
10.) 2017 SAIDI		58.41
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.27
12.) 2017 SAIFI		1.28
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) **SUBSTATION NAME AND NUMBER** 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** 342

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 9.4%

Overload- 0.0%

Planned Work- 90.6%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.02

10.) **2017 SAIDI** 14.63

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

12.) **2017 SAIFI** 0.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE E 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 805 East Dr - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2112
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Stanford Dr, Terrell Dr, & S 2nd St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 162
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/20/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 100.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.90
- 10.) **2017 SAIDI** 11.01
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2017 SAIFI** 0.10
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** 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)** 4.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 204

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

8.) **2017 OUTAGES BY CAUSE**

Animal- 2.3%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 93.0%

Overload- 0.0%

Planned Work- 4.7%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.73

10.) **2017 SAIDI** 39.82

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

12.) **2017 SAIFI** 1.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** 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.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 100.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.16
- 10.) **2017 SAIDI** 0.89
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2017 SAIFI** 0.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** DANVILLE INDUSTRIAL

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 1866 S Danville Bypass - Danville

3.) **CIRCUIT NAME AND NUMBER** 2119

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Crosses S Danville Bypass and Stops - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.2

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

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.0%
- Other/Unknown- 98.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 854.80

10.) **2017 SAIDI** 4135.00

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

12.) **2017 SAIFI** 2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 1866 S Danville Bypass - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2120
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - N Stewarts Ln & Vaksdahl Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

8.) **2017 OUTAGES BY CAUSE**

- Animal- 22.7%
- Construction- 0.0%
- Lightning- 77.3%
- 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)** 6.96
- 10.) **2017 SAIDI** 3.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2017 SAIFI** **0.15**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 231 N Chiles St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2126
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - W Broadway St, Chiles St, & Hill St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 482
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/13/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 66.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 26.4%
- Trees- 0.0%
- Utility Equipment- 6.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.05
- 10.) **2017 SAIDI** 15.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** 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** 491
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 5.2%
- Construction- 0.0%
- Lightning- 23.8%
- Non-Company- 1.2%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 35.7%
- Trees- 12.8%
- Utility Equipment- 21.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.78
- 10.) **2017 SAIDI** 14.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 12.) **2017 SAIFI** **0.23**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 3
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 1020 N College St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Tapp Rd, Moberly Rd, & Mackville Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 944
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 9.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 6.5%
- Trees- 2.4%
- Utility Equipment- 81.1%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.94
- 10.) **2017 SAIDI** 40.86
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.58
- 12.) **2017 SAIFI** 0.71

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)** 32.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 579
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/25/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 40.5%
- Overload- 0.0%
- Planned Work- 4.0%
- Trees- 47.7%
- Utility Equipment- 7.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.93
- 10.) **2017 SAIDI** 99.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.00
- 12.) **2017 SAIFI** 1.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2017

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 104 Hamilton Ave - Lancaster

3.) **CIRCUIT NAME AND NUMBER** 2139

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Maple St & Lexington Rd - NW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 481

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 4.4%

Non-Company- 0.0%

Other/Unknown- 0.3%

Overload- 0.0%

Planned Work- 16.3%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 79.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.30

10.) **2017 SAIDI** 41.98

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

12.) **2017 SAIFI** 0.30

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	LANCASTER 2
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Garrard - 183 Industry Rd - Lancaster
3.) CIRCUIT NAME AND NUMBER	2142
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lancaster - Hwy 39, Stanford Rd, & Deer Run Rd - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	5.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	328
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/27/2013

8.) **2017 OUTAGES BY CAUSE**

Animal-	0.0%
Construction-	0.0%
Lightning-	1.5%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	3.6%
Trees-	0.0%
Utility Equipment-	0.3%
Vehicle-	94.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 32.83

10.) 2017 SAIDI 122.51

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.32

12.) 2017 SAIFI 1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANCASTER 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 183 Industry Rd - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2143
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Crab Orchard St & Richmond St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 109
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 100.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.78
- 10.) **2017 SAIDI** 27.95
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2017 SAIFI** 0.10
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** 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** 730
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/18/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.5%
- Overload- 0.0%
- Planned Work- 4.7%
- Trees- 0.3%
- Utility Equipment- 5.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.38
- 10.) **2017 SAIDI** 42.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2017 SAIFI** 0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** 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** 50
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 71.6%
- Utility Equipment- 26.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 129.23
- 10.) **2017 SAIDI** 130.22
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88
- 12.) **2017 SAIFI** 0.85

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** 77
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 43.5%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 50.6%
- Utility Equipment- 5.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 155.08
- 10.) **2017 SAIDI** 206.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81
- 12.) **2017 SAIFI** 1.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** RICHMOND 2
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison - 200 Fairview St - Richmond
3.) **CIRCUIT NAME AND NUMBER** 2154
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Big Hill Ave, Boggs Ln, & Richmond East - SE of the Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 930
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/03/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 42.0%
- Trees- 0.0%
- Utility Equipment- 57.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.50
10.) **2017 SAIDI** 14.09
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12
12.) **2017 SAIFI** 0.15
13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	RICHMOND 3 4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Madison - 950 Vickers Dr - Richmond
3.) CIRCUIT NAME AND NUMBER	2161
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - Eastern Byp, Boggs Ln, & Opal Dr - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	178
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/03/2014

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 97.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.85
10.) 2017 SAIDI	16.34
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.10
12.) 2017 SAIFI	0.24
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER RICHMOND 2
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison - 200 Fairview St - Richmond

3.) CIRCUIT NAME AND NUMBER 2162

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Madison - Big Hill Ave, Hallie Irvine St, & Gibson Ln - NW & S of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 4.1

6.) CUSTOMER COUNT FOR THIS CIRCUIT 500

7.) DATE OF LAST CIRCUIT TRIM (VM) 05/03/2014

8.) 2017 OUTAGES BY CAUSE

- Animal- 4.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 28.0%
- Trees- 0.0%
- Utility Equipment- 1.6%
- Vehicle- 66.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 17.58

10.) 2017 SAIDI 40.75

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.19

12.) 2017 SAIFI 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANCASTER 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 183 Industry Rd - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2176
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Stanford Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 308
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2013

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.0%
- Construction- 2.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.5%
- Overload- 0.0%
- Planned Work- 81.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 9.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.95
- 10.) **2017 SAIDI** 5.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05
- 12.) **2017 SAIFI** 0.06

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER BARTON
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Nelson - 500 Cathedral Manor - Bardstown
3.) CIRCUIT NAME AND NUMBER 2202
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Bardstown - New Haven Rd - W/N/S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES) 1.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT 6
7.) DATE OF LAST CIRCUIT TRIM (VM) 07/25/2014

8.) 2017 OUTAGES BY CAUSE

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 18.06
10.) 2017 SAIDI 62.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.66
12.) 2017 SAIFI 3.14

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** 493
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/07/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 4.3%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 93.1%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.78

10.) **2017 SAIDI** 73.45

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

12.) **2017 SAIFI** 1.03

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

Tree Trim Scheduled for 2018

1.) SUBSTATION NAME AND NUMBER LEBANON SOUTH

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Marion - 1157 Bradfordsville - Bradfordsville

3.) CIRCUIT NAME AND NUMBER 2218

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Bradfordsville - Bradfordsville Rd, Hwy 49, & Central Ave - SE of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 29.5

6.) CUSTOMER COUNT FOR THIS CIRCUIT 385

7.) DATE OF LAST CIRCUIT TRIM (VM) 02/10/2015

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 1.3%
- Non-Company- 0.0%
- Other/Unknown- 28.3%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 7.7%
- Utility Equipment- 61.7%
- Vehicle- 0.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 133.61

10.) 2017 SAIDI **365.03**

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.95

12.) 2017 SAIFI **2.47**

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** RUSSELL SPRINGS

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Russell - 1183 HWY 1870 - Russell Springs

3.) **CIRCUIT NAME AND NUMBER** 2222

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Russell Springs - Old Columbia Rd, KY 80, Lakeway Dr, & Maple St - E of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 988

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 51.7%

Overload- 0.0%

Planned Work- 0.9%

Trees- 47.2%

Utility Equipment- 0.1%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.80

10.) **2017 SAIDI** 233.57

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

12.) **2017 SAIFI** 2.20

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

Tree Trim Scheduled for 2018

1.) **SUBSTATION NAME AND NUMBER** SPRINGFIELD
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Washinton - 107 Commercial Ave - Springfield
3.) **CIRCUIT NAME AND NUMBER** 2225
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Springfield - State HWY 55 - N of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.4
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 227
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/21/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.5%
Construction- 0.0%
Lightning- 39.8%
Non-Company- 0.0%
Other/Unknown- 0.5%
Overload- 0.0%
Planned Work- 1.5%
Trees- 0.5%
Utility Equipment- 3.2%
Vehicle- 54.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.19
10.) **2017 SAIDI** 77.15
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
12.) **2017 SAIFI** 1.18
13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** 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** 373

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 3.9%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.9%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 93.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.17

10.) **2017 SAIDI** 129.22

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

12.) **2017 SAIFI** 1.08

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** UNION UNDERWEAR
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Russell - 101 Fruit Of The Loom Dr - Jamestown

3.) **CIRCUIT NAME AND NUMBER** 2230

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Jamestown - Geneva Dr, Shawnee Ave, & Comanche Way - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 188

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/01/2013

8.) **2017 OUTAGES BY CAUSE**

Animal- 2.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.6%

Overload- 0.0%

Planned Work- 0.0%

Trees- 96.9%

Utility Equipment- 0.4%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 166.81

10.) **2017 SAIDI** 117.92

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

12.) **2017 SAIFI** **1.04**

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

Tree Trim Scheduled for 2018

1.) SUBSTATION NAME AND NUMBER WOODLAWN

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Nelson – 285 Spencer Mattingly Ln. – Bardstown

3.) CIRCUIT NAME AND NUMBER 2231

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Bardstown - Poplar Flat Rd, Ashleigh Way, Ed Piler Rd, & Old US 150 - SE of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 49.4

6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,071

7.) DATE OF LAST CIRCUIT TRIM (VM) 05/17/2013

8.) 2017 OUTAGES BY CAUSE

Animal- 0.6%

Construction- 0.0%

Lightning- 15.6%

Non-Company- 0.0%

Other/Unknown- 0.1%

Overload- 0.0%

Planned Work- 2.3%

Trees- 0.1%

Utility Equipment- 80.9%

Vehicle- 0.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 50.47

10.) 2017 SAIDI 169.35

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.38

12.) 2017 SAIFI 1.33

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER WOODLAWN

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Nelson – 285 Spencer Mattingly Ln. – Bardstown

3.) CIRCUIT NAME AND NUMBER 2232

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Bardstown - My Old KY Home St Park & Gilkey Run Rd - SW of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 6.6

6.) CUSTOMER COUNT FOR THIS CIRCUIT 132

7.) DATE OF LAST CIRCUIT TRIM (VM) 09/02/2008

8.) 2017 OUTAGES BY CAUSE

Animal- 93.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 2.4%

Overload- 0.0%

Planned Work- 4.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 44.48

10.) 2017 SAIDI 53.29

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.43

12.) 2017 SAIFI 0.76

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Taylor - 101 Old Greensburg Rd. - Campbellsville

3.) **CIRCUIT NAME AND NUMBER** 2234

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Campbellsville - Broadway St - NE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 621

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 2.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.8%

Overload- 0.0%

Planned Work- 0.5%

Trees- 8.4%

Utility Equipment- 87.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.12

10.) **2017 SAIDI** 35.89

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

12.) **2017 SAIFI** 0.46

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

Continue to Monitor

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

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison - 315 Clay Dr - Richmond

3.) **CIRCUIT NAME AND NUMBER** 2237

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Westover Ave, Tates Creek Rd, S Keeneland Dr - NW of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 797

7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

 Animal- 0.0%

 Construction- 0.0%

 Lightning- 12.6%

 Non-Company- 0.0%

 Other/Unknown- 1.3%

 Overload- 0.0%

 Planned Work- 9.9%

 Trees- 0.0%

 Utility Equipment- 55.5%

 Vehicle- 20.7%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	31.72
10.)	2017 SAIDI	44.30
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.36
12.)	2017 SAIFI	0.26
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEBANON EAST
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Marion - 541 Corporate Dr. - Lebanon
- 3.) **CIRCUIT NAME AND NUMBER** 2240
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lebanon - Danville Hwy and Spalding Ave - W & E of Sub.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 810
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

- Animal- 14.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.4%
- Overload- 0.0%
- Planned Work- 76.6%
- Trees- 0.0%
- Utility Equipment- 5.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 6.98
- 10.) **2017 SAIDI** **7.55**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2017 SAIFI** **0.10**
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BEATTYVILLE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lee - 950 W Main St. - Beattyville
- 3.) **CIRCUIT NAME AND NUMBER** 2300
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beattyville - River Dr, Proctor Rd, Broadway, & South Fork Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 475
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/27/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 81.1%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 8.2%
- Utility Equipment- 9.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 114.00

10.) **2017 SAIDI** 114.89

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

12.) **2017 SAIFI** 1.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** IRVINE
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Estill - 83 River Dr - Irvine
- 3.) **CIRCUIT NAME AND NUMBER** 2304
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Irvine - City of Irvine/Ravenna & Cow Creek Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,126
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/26/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 52.6%
- Non-Company- 0.0%
- Other/Unknown- 5.4%
- Overload- 0.0%
- Planned Work- 12.9%
- Trees- 27.3%
- Utility Equipment- 1.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.59
- 10.) **2017 SAIDI** 130.14
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45
- 12.) **2017 SAIFI** 0.81

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PAINT LICK
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 11811 HWY 52 E - Paint Lick
- 3.) **CIRCUIT NAME AND NUMBER** 2309
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Paint Lick - HWY 52, Kirksville Rd, & Curtis Pike - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 296
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/03/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 6.6%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 0.7%
- Utility Equipment- 88.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.52
- 10.) **2017 SAIDI** 182.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2017 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND 3 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison - 950 Vickers Dr - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2314
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Lancaster Ave, Barnes Mill Rd, Water St, & Crabbe St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,172
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/01/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 96.1%
- Utility Equipment- 0.0%
- Vehicle- 2.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.62
- 10.) **2017 SAIDI** 49.16
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2017 SAIFI** 1.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND EAST
- 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.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 96.5%

Overload- 0.0%

Planned Work- 3.5%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.22
- 10.) **2017 SAIDI** 9.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15
- 12.) **2017 SAIFI** **0.16**

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND EAST
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 1799 Irvine Rd - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2319
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Irvine Rd, Reba Rd, & Charlie Norris Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,245
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/01/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 90.9%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 3.7%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.53
- 10.) **2017 SAIDI** 61.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51
- 12.) **2017 SAIFI** 1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 464 Eastern Bypass - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2322
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Brittany Circle - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 85
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2014

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 2.33

10.) **2017 SAIDI** 11.65

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.01

12.) **2017 SAIFI** 0.04

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** RICHMOND 1
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** 2,250

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/28/2014

- 8.) **2017 OUTAGES BY CAUSE**
 - Animal- 1.6%
 - Construction- 0.0%
 - Lightning- 1.1%
 - Non-Company- 0.0%
 - Other/Unknown- 68.0%
 - Overload- 0.0%
 - Planned Work- 5.4%
 - Trees- 19.8%
 - Utility Equipment- 4.2%
 - Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.47

10.) **2017 SAIDI** 51.27

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

12.) **2017 SAIFI** 0.53

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER RICHMOND 1

SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison - 315 Clay Dr - Richmond

3.) CIRCUIT NAME AND NUMBER 2326

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Richmond - Third St, New Richmond Byp, & Red House Rd - N of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 22.9

6.) CUSTOMER COUNT FOR THIS CIRCUIT 944

7.) DATE OF LAST CIRCUIT TRIM (VM) 12/16/2014

8.) 2017 OUTAGES BY CAUSE

Animal- 2.5%

Construction- 0.0%

Lightning- 2.3%

Non-Company- 0.0%

Other/Unknown- 27.4%

Overload- 0.0%

Planned Work- 24.8%

Trees- 33.2%

Utility Equipment- 3.7%

Vehicle- 6.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 71.18

10.) 2017 SAIDI 64.58

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.68

12.) 2017 SAIFI 0.68

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

Continue to Monitor

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

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)** 40.3

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,336

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 3.1%

Lightning- 56.3%

Non-Company- 0.0%

Other/Unknown- 29.2%

Overload- 0.0%

Planned Work- 3.3%

Trees- 2.1%

Utility Equipment- 5.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.58

10.) **2017 SAIDI** **83.19**

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

12.) **2017 SAIFI** 0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 3
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 100 Crucible Steel Rd - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2331
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Mulberry St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 68
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2016

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.17
- 10.) **2017 SAIDI** 1.37
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2017 SAIFI** 0.04
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RINEYVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - Rineyville Big Springs Rd - Radcliff
- 3.) **CIRCUIT NAME AND NUMBER** 2335
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Radcliff - Big Springs Rd, Wilson Rd, & US 31 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 352
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 11.0%
- Construction- 10.9%
- Lightning- 9.7%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 68.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.69
- 10.) **2017 SAIDI** 9.85
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2017 SAIFI** 0.18

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nelson - 1100 Old Nelsonville Rd. - Boston

3.) **CIRCUIT NAME AND NUMBER** 2403

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Boston - Lebanon Junction Rd, Boston Rd, KY 52 & Nelsonville Rd - SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 342

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2017

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.1%

Lightning- 0.6%

Non-Company- 0.7%

Other/Unknown- 0.1%

Overload- 0.0%

Planned Work- 2.6%

Trees- 91.9%

Utility Equipment- 3.3%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 108.77

10.) **2017 SAIDI** 98.86

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

12.) **2017 SAIFI** 0.59

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

Trees Trimmed in 2017

- 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.) **2017 OUTAGES BY CAUSE**

- Animal- 6.6%
- Construction- 0.0%
- Lightning- 3.4%
- Non-Company- 0.0%
- Other/Unknown- 73.7%
- Overload- 0.0%
- Planned Work- 7.3%
- Trees- 3.1%
- Utility Equipment- 5.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.61
- 10.) **2017 SAIDI** 41.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2017 SAIFI** 0.35
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** 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** 1,371

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/12/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 4.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 46.3%

Trees- 0.0%

Utility Equipment- 48.8%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.07

10.) **2017 SAIDI** 31.82

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

12.) **2017 SAIFI** 1.15

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** 2411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Dixie Ave, Miles St, & Helm St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,446
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/03/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 2.6%
- Trees- 0.1%
- Utility Equipment- 0.1%
- Vehicle- 95.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.20
- 10.) **2017 SAIDI** 100.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2017 SAIFI** 1.09

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

Reliability Improvements Completed in 2017

- 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** 554
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 95.1%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 4.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.67
- 10.) **2017 SAIDI** 19.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 12.) **2017 SAIFI** 1.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 4
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 201 Sportsman Lake Rd - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2420
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Hawkins Dr, Springfield Rd, Bishop Ln, & S Main St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,232
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/15/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 1.2%
- Lightning- 4.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 0.1%
- Utility Equipment- 37.2%
- Vehicle- 55.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.29
- 10.) **2017 SAIDI** 100.37
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2017 SAIFI** 1.30

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)** 10/29/2016

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.53
- 10.) **2017 SAIDI** 21.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HODGENVILLE 12KV
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Larue - 500 W High Ave - Hodgenville
- 3.) **CIRCUIT NAME AND NUMBER** 2431
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hodgenville - Hwy 61, New Jackson Hwy, BF Brown Rd, & L & N Tpke - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 451
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/14/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 11.3%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 1.4%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 0.8%
- Utility Equipment- 0.0%
- Vehicle- 78.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 128.92
- 10.) **2017 SAIDI** 96.36
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2017 SAIFI** 1.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HORSE CAVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 501 Shewey Ave - Horse Cave
- 3.) **CIRCUIT NAME AND NUMBER** 2435
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Horse Cave - E Main St, KY 218, & US HWY 31 E - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 362
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/12/2013

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 65.5%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 27.6%
- Planned Work- 1.1%
- Trees- 2.8%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.43
- 10.) **2017 SAIDI** 52.46
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2017 SAIFI** 0.45
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEITCHFIELD
- 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** 591
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/14/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.5%
- Overload- 0.0%
- Planned Work- 21.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 65.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.05

10.) **2017 SAIDI** 21.67

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

12.) **2017 SAIFI** 0.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NEW HAVEN
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nelson - 256 Lyons Station Rd - New Haven
- 3.) **CIRCUIT NAME AND NUMBER** 2444
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Haven - 3rd St, Center St, New Hope Rd, & Rogers Rd - ESE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 575
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 83.5%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 13.5%
- Trees- 1.8%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 81.75
- 10.) **2017 SAIDI** 73.95
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.83
- 12.) **2017 SAIFI** 1.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER NEW HAVEN
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Nelson - 256 Lyons Station Rd - New Haven
 3.) CIRCUIT NAME AND NUMBER 2446
 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) New Haven - Cissal Hill Rd & US 31 - SSW of Substation
 5.) TOTAL CIRCUIT LENGTH (MILES) 8.1
 6.) CUSTOMER COUNT FOR THIS CIRCUIT 52
 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/28/2012

8.) 2017 OUTAGES BY CAUSE

Animal- 0.0%
 Construction- 0.0%
 Lightning- 0.0%
 Non-Company- 0.0%
 Other/Unknown- 0.0%
 Overload- 0.0%
 Planned Work- 1.3%
 Trees- 0.0%
 Utility Equipment- 0.0%
 Vehicle- 98.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 63.14

10.) 2017 SAIDI 238.53

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.43

12.) 2017 SAIFI 0.94

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RIO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 301 Glen Lily Rd E - Munfordville
- 3.) **CIRCUIT NAME AND NUMBER** 2450
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Munfordville - E US 31, Eve Rd, & Pikeview Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 163
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 49.6%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 49.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 419.38

10.) **2017 SAIDI** 392.94

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.89

12.) **2017 SAIFI** 2.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ROGERSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 180 Rogersville Rd - Radcliff
- 3.) **CIRCUIT NAME AND NUMBER** 2454
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Radcliff - Parkside Mobile Home Park, 1st, 2nd, & 3rd St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 295
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/19/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.2%

Overload- 0.0%

Planned Work- 9.7%

Trees- 74.4%

Utility Equipment- 15.7%

Vehicle- 0.0%

- | | |
|--|---------------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) | 36.30 |
| 10.) 2017 SAIDI | 138.65 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) | 0.34 |
| 12.) 2017 SAIFI | 1.42 |

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 180 Rogersville Rd - Radcliff

3.) **CIRCUIT NAME AND NUMBER** 2455

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Radcliff - Rogersville Rd, Woodland Dr, Vine St, & Valley View Dr - NW & W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 935

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/16/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 5.5%

Construction- 1.0%

Lightning- 26.8%

Non-Company- 0.0%

Other/Unknown- 27.6%

Overload- 0.0%

Planned Work- 9.4%

Trees- 6.6%

Utility Equipment- 23.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.23

10.) **2017 SAIDI** 39.11

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

12.) **2017 SAIFI** 0.59

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SONORA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1340 Old Sonora Rd - Sonora
- 3.) **CIRCUIT NAME AND NUMBER** 2456
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - US 31 W, S Dixie Hwy, & Sonora Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 190
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/18/2012

8.) **2017 OUTAGES BY CAUSE**

- Animal- 9.9%
- Construction- 0.7%
- Lightning- 17.4%
- Non-Company- 0.0%
- Other/Unknown- 14.7%
- Overload- 0.0%
- Planned Work- 13.2%
- Trees- 44.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.33
- 10.) **2017 SAIDI** 27.35
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.24
- 12.) **2017 SAIFI** 0.36
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SONORA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1340 Old Sonora Rd - Sonora
- 3.) **CIRCUIT NAME AND NUMBER** 2457
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - Sonora Hardin Springs Rd, Nolin Rd, Gilead Church Rd, & KY 222 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 486
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2012

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 1.1%
- Non-Company- 0.0%
- Other/Unknown- 9.2%
- Overload- 0.0%
- Planned Work- 9.7%
- Trees- 18.8%
- Utility Equipment- 46.3%
- Vehicle- 14.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.59

10.) **2017 SAIDI** 74.02

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

12.) **2017 SAIFI** 0.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VINE GROVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 108 Crutcher St - Vine Grove
- 3.) **CIRCUIT NAME AND NUMBER** 2460
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Vine Grove - Main St, Highland Ave, Central Ave, & Cheryl Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 664
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/28/2016

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.47
- 10.) **2017 SAIDI** 23.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2017 SAIFI** 0.22
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN WEST

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 300 College Street Rd - Elizabethtown

3.) **CIRCUIT NAME AND NUMBER** 2461

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Ring Rd & Ambrake Dr - W of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 16

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 100.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.19

10.) **2017 SAIDI** 9.44

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

12.) **2017 SAIFI** 0.06

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)** 1.2

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2016

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 100.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 127.66

10.) **2017 SAIDI** 442.00

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

12.) **2017 SAIFI** 1.00

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER ELIZABETHTOWN INDUSTRIAL

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Hardin - 111 Ring Rd - Elizabethtown

3.) CIRCUIT NAME AND NUMBER 2463

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Elizabethtown - N Blackbranch Rd - NW of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 1.2

6.) CUSTOMER COUNT FOR THIS CIRCUIT 2

7.) DATE OF LAST CIRCUIT TRIM (VM) 10/29/2016

8.) 2017 OUTAGES BY CAUSE

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 22.52

10.) 2017 SAIDI 112.58

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.32

12.) 2017 SAIFI 1.58

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** 2469
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Horse Cave - Hatcher Valley Rd, N Toohey Ridge Rd, & Park Ridge Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 105
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 36.9%
- Overload- 0.0%
- Planned Work- 6.7%
- Trees- 7.9%
- Utility Equipment- 48.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 450.38

10.) **2017 SAIDI** 1028.11

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.76

12.) **2017 SAIFI** 2.53

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** 2470
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hardin - S Wilson Rd, Miller Ave, & Shelton Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,026
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/30/2014

8.) **2017 OUTAGES BY CAUSE**

- Animal- 21.6%
- Construction- 0.2%
- Lightning- 1.1%
- Non-Company- 1.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 0.0%
- Utility Equipment- 72.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.58
- 10.) **2017 SAIDI** 14.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16
- 12.) **2017 SAIFI** 0.23
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** HORSE CAVE INDUSTRIAL

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 400 Cherry St - Horse Cave

3.) **CIRCUIT NAME AND NUMBER** 2473

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Horse Cave - Old Dixie Hwy - W of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2008

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 100.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 48.13

10.) **2017 SAIDI** 51.00

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

12.) **2017 SAIFI** 0.25

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henry - 1257 Ballardsville Rd - Eminence

3.) **CIRCUIT NAME AND NUMBER** 2500

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Eminence - Jim Doyle Rd, Mulberry Pike, & Hill Spring Rd - SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.8

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 610

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

8.) **2017 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.9%
- Lightning- 16.2%
- Non-Company- 0.0%
- Other/Unknown- 5.7%
- Overload- 0.4%
- Planned Work- 0.9%
- Trees- 1.5%
- Utility Equipment- 14.9%
- Vehicle- 57.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.35

10.) **2017 SAIDI** 59.87

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

12.) **2017 SAIFI** 0.75

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LA GRANGE E 12KV

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 1810 E Highway 146 - La Grange

3.) **CIRCUIT NAME AND NUMBER** 2511

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - Waterworks Rd, Hwy 53/1st St, & Fendley Mill Rd - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,269

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/13/2015

8.) **2017 OUTAGES BY CAUSE**

Animal- 5.8%

Construction- 0.8%

Lightning- 86.8%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 6.7%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.29

10.) **2017 SAIDI** 8.81

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

12.) **2017 SAIFI** 0.22

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER SHELBYVILLE 12KV

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Shelby - 1201 Willow St - Shelbyville

3.) CIRCUIT NAME AND NUMBER 2519

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Shelbyville - Smithfield Rd, Bayberry Dr, & La Grange Rd - NW of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 34.7

6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,327

7.) DATE OF LAST CIRCUIT TRIM (VM) 05/04/2013

8.) 2017 OUTAGES BY CAUSE

Animal- 0.5%
Construction- 0.5%
Lightning- 14.1%
Non-Company- 0.0%
Other/Unknown- 0.8%
Overload- 0.0%
Planned Work- 0.1%
Trees- 7.4%
Utility Equipment- 0.0%
Vehicle- 76.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 47.48

10.) 2017 SAIDI 83.07

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.56

12.) 2017 SAIFI 0.80

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Shelby - 6801 Shelbyville Rd - Simpsonville

3.) **CIRCUIT NAME AND NUMBER** 2527

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Main St, 3rd St, & Grand Central Dr - NW of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 308

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/08/2014

8.) **2017 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 25.0%

Trees- 0.0%

Utility Equipment- 75.0%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.51

10.) **2017 SAIDI** 33.29

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

12.) **2017 SAIFI** 0.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLORSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Spencer - 1604 Elk Creek Rd - Taylorsville
- 3.) **CIRCUIT NAME AND NUMBER** 2530
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Taylorsville - Elk Creek Rd, City of Taylorsville, & Bloomfield Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 812
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/03/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 10.3%
- Non-Company- 0.0%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 12.1%
- Utility Equipment- 72.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.14

10.) **2017 SAIDI** 89.06

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

12.) **2017 SAIFI** 1.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOCKPORT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henry - 88 Sawmill Rd - Bethlehem
- 3.) **CIRCUIT NAME AND NUMBER** 2531
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bethlehem - KY 22, KY 389 & Six Mile Creek Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 172
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/22/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.2%
- Utility Equipment- 88.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.72

10.) **2017 SAIDI** 245.53

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

12.) **2017 SAIFI** 1.62

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER SIMPSONVILLE

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Shelby - 6801 Shelbyville Rd - Simpsonville

3.) CIRCUIT NAME AND NUMBER 2540

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Simpsonville - Buck Creek Rd, Kingbrook Pky, & Rolling Ridge Way - S of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 4.8

6.) CUSTOMER COUNT FOR THIS CIRCUIT 311

7.) DATE OF LAST CIRCUIT TRIM (VM) Not on 2017 Trim Plan

8.) 2017 OUTAGES BY CAUSE

Animal- 1.1%
Construction- 9.3%
Lightning- 83.5%
Non-Company- 0.0%
Other/Unknown- 0.0%
Overload- 0.0%
Planned Work- 1.8%
Trees- 0.0%
Utility Equipment- 4.3%
Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 30.13

10.) 2017 SAIDI 97.41

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.20

12.) 2017 SAIFI 0.59

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** SHELBYVILLE EAST
SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Shelby - 183 Boone Station Rd - Shelbyville
3.) **CIRCUIT NAME AND NUMBER** 2542
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shelbyville - KY 60 - E of Substation
5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.3
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,157
7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

Animal- 12.6%
Construction- 0.0%
Lightning- 1.1%
Non-Company- 0.0%
Other/Unknown- 46.2%
Overload- 0.2%
Planned Work- 10.8%
Trees- 8.9%
Utility Equipment- 0.0%
Vehicle- 20.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.45
10.) **2017 SAIDI** 21.95
11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
12.) **2017 SAIFI** 0.17
13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Bear Track-Yellow Rock
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lee - 7722 KY 52 - Beattyville
- 3.) **CIRCUIT NAME AND NUMBER** 3404
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beattyville - New Yellow Rock Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 75
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Not on 2017 Trim Plan

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 287.75
- 10.) **2017 SAIDI** 219.89
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2017 SAIFI** 1.01
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Earlington - Oak Hill (Sec 3A)
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 202 Russ Hill Rd - Nortonville
- 3.) **CIRCUIT NAME AND NUMBER** 3409
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville/Nortonville - Wells Rd - SSE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 207
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/04/2017

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 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)** 45.47
- 10.) **2017 SAIDI** 51.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2017 SAIFI** 0.96

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	FRANKFORT	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Franklin - 801 E Main St - Frankfort	
3.) CIRCUIT NAME AND NUMBER	3411	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Frankfort - Georgetown Rd - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	14.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	3,142	
7.) DATE OF LAST CIRCUIT TRIM (VM)	No Previous Cycle Date	
8.) 2017 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	100.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		172.90
10.) 2017 SAIDI		229.48
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.12
12.) 2017 SAIFI		0.98
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** Salem - Three Rivers Rock
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Livingston - 271 W Main St - Salem
- 3.) **CIRCUIT NAME AND NUMBER** 3425
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Salem - Phillips Ln & Three Rivers Rock Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2017

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 0.20

10.) **2017 SAIDI** 1.00

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

12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) SUBSTATION NAME AND NUMBER 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) 11/22/2017

8.) 2017 OUTAGES BY CAUSE

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 33.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 65.1%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

- 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 464.91
- 10.) 2017 SAIDI 465.45
- 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.67
- 12.) 2017 SAIFI 2.09

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

Trees Trimmed in 2017

- 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** 389
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2016

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 23.8%
- Utility Equipment- 72.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 216.73
- 10.) **2017 SAIDI** 109.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.97
- 12.) **2017 SAIFI** 2.31

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

Continue to Monitor

- 1.) SUBSTATION NAME AND NUMBER SOMERSET 2
- 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Pulaski - 105 Tandy Ave - Somerset
- 3.) CIRCUIT NAME AND NUMBER 4506
- 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Somerset - N Main St, Robin Dr, & Elliott Dr - NW of Substation
- 5.) TOTAL CIRCUIT LENGTH (MILES) 1.7
- 6.) CUSTOMER COUNT FOR THIS CIRCUIT 101
- 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/18/2014

8.) 2017 OUTAGES BY CAUSE

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

- 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 12.45
- 10.) 2017 SAIDI 20.08
- 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.13
- 12.) 2017 SAIFI 0.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET 2
- SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 105 Tandy Ave - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 4507
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - N Main St, Oak St, & N Vine St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 154
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2014

8.) **2017 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.52
- 10.) **2017 SAIDI** 3.90
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2017 SAIFI** 0.03

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 4512

4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Somerset - Hwy 1247, Crab Orchard Rd, & Oak Leaf Ln - N & E of Substation

5.) TOTAL CIRCUIT LENGTH (MILES) 32.8

6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,142

7.) DATE OF LAST CIRCUIT TRIM (VM) 03/01/2010

8.) 2017 OUTAGES BY CAUSE

Animal- 3.4%

Construction- 0.0%

Lightning- 16.6%

Non-Company- 0.0%

Other/Unknown- 8.4%

Overload- 0.0%

Planned Work- 2.3%

Trees- 26.6%

Utility Equipment- 42.9%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 25.29

10.) 2017 SAIDI 33.48

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.26

12.) 2017 SAIFI 0.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET GE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 100 Block of W University Dr - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 4516
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - W University Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 16
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/09/2015

8.) **2017 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 100.0%
- 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)** 99.65
- 10.) **2017 SAIDI** 265.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38
- 12.) **2017 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AISIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Farriston Rd/Greta Ln - Lily
- 3.) **CIRCUIT NAME AND NUMBER** 4619
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lily - Greta Ln & KY 552 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2009

8.) **2017 OUTAGES BY CAUSE**

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

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.84

10.) **2017 SAIDI** 208.00

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

12.) **2017 SAIFI** 1.00

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 – 4.81 years

KU (Kentucky) Tree SAIDI – 16.76 minutes

KU (Kentucky) Tree SAIFI – 0.130

KU (Kentucky) Tree CAIDI – 128.9 minutes

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

Adjustments made to the tree plan in 2017 included

No changes made to plan.

Changes to be implemented in 2018

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

SECTION 7: UTILITY COMMENTS

SAIDI, SAIFI and CAIDI all improved in 2017 compared to the previous 5 year average including and excluding major events. 347 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2017.