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APR 30 2020

PUBLIC SERVICE
COMMISSION

Kent A. Chandler, 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
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April 30, 2020

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

Dear Mr. Chandler:

Enclosed please find Kentucky Utilities Company's ("KU") 2019 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 2019 Annual Reliability Report for KU in Excel format.

In accordance with the Commission's March 16, 2020 Order in Case No. 2020-00085, the original of this filing in paper medium will be delivered to the Commission within 30 days of the lifting of the state of emergency.

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

Sincerely,

Rick E. Lovekamp

KENTUCKY PUBLIC SERVICE COMMISSION
ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

SECTION 1: CONTACT INFORMATION

UTILITY NAME	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	2019
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SECTION 3: MAJOR EVENT DAYS (MED)

FIRST DATE USED TO DETERMINE T_{MED}	4.207
LAST DATE USED TO DETERMINE T_{MED}	1/1/2014
NUMBER OF MED IN REPORTING YEAR	12/31/2018
	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>537,990</u>	TOTAL CIRCUITS <u>1,115</u>
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Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>82.44</u>	SAIDI	<u>90.30</u>
SAIFI	<u>0.761</u>	SAIFI	<u>0.833</u>

Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>169.27</u>	SAIDI	<u>98.87</u>
SAIFI	<u>0.923</u>	SAIFI	<u>0.881</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
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 745 N Limestone - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0006
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - N. Limestone St. SW of Station
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 368
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/30/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 99.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.78
10.) 2019 SAIDI	112.20
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.59
12.) 2019 SAIFI	2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEXINGTON PLANT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 745 N Limestone - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0007
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - N. Limestone St and York St. - NE amd SE of Station
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,193
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/30/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 20.1%
- Non-Company- 0.0%
- Other/Unknown- 46.5%
- Overload- 22.9%
- Planned Work- 9.7%
- Trees- 0.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	12.89
10.) 2019 SAIDI	13.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.15
12.) 2019 SAIFI	0.20

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** BUCHANAN
2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 108 Buchanan St. - Lexington
3.) **CIRCUIT NAME AND NUMBER** 0010
4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Manchester St. - S of Station
5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 316
7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/30/2017

8.) **2019 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- 97.6%
Trees- 0.0%
Utility Equipment- 2.4%
Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.38
10.) 2019 SAIDI	20.70
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.10
12.) 2019 SAIFI	0.12

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

- 1.) **SUBSTATION NAME AND NUMBER** G E LAMP WORKS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1809 Edision Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0013
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Edision Dr - SW of Station
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/12/2012

8.) **2019 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)** 71.13
- 10.) **2019 SAIDI** 20.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50
- 12.) **2019 SAIFI** 1.00

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	LEXINGTON WATER COMPANY 4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 2300 Richmond Rd. - Lexington
3.) CIRCUIT NAME AND NUMBER	0016
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Fontaine Rd - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	3.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	699
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/07/2015

8.) 2019 OUTAGES BY CAUSE

Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	3.8%
Overload-	0.0%
Planned Work-	57.3%
Trees-	34.5%
Utility Equipment-	4.4%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.79
10.) 2019 SAIDI	24.11
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.16
12.) 2019 SAIFI	0.16

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** SCOTT STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 301 Scott St. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0017
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Broadway Rd. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 989
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/20/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.0%
- Overload- 0.0%
- Planned Work- 87.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	2.40
10.) 2019 SAIDI	3.73
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.01
12.) 2019 SAIFI	0.03

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)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 643
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/20/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 38.3%
- Other/Unknown- 28.1%
- Overload- 0.0%
- Planned Work- 9.9%
- Trees- 0.0%
- Utility Equipment- 23.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.32
10.) 2019 SAIDI	29.01
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.12
12.) 2019 SAIFI	0.26

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** 0023
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Nicholasville Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 56.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,710
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2019

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 2.3%
- Other/Unknown- 8.7%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 27.1%
- Utility Equipment- 58.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.73

10.) **2019 SAIDI** 70.62

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

12.) **2019 SAIFI** 0.66

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

Trees Trimmed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0024
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Old Mt. Tabor Rd & Turkeyfoot Rd. - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,006
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 3.4%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 13.6%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 68.4%
- Utility Equipment- 12.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	205.54
10.) 2019 SAIDI	312.03
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.73
12.) 2019 SAIFI	1.61

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KUNKEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2000 Versailles Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0026
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Duntreath Dr. & Pine Mt. Rd. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 570
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 79.7%
- Overload- 0.0%
- Planned Work- 9.8%
- Trees- 10.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.45
- 10.) **2019 SAIDI** 16.43
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.19
- 12.) **2019 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RACE STREET 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0031
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Corral St. & MLK Blvd. - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 452
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 1.1%
- Planned Work- 10.4%
- Trees- 0.0%
- Utility Equipment- 88.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.96
10.) 2019 SAIDI	40.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	1.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0033
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Pepperhill Dr & Claiborne Way - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,504
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/28/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 6.8%
- Utility Equipment- 91.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	81.28
10.) 2019 SAIDI	208.53
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.51
12.) 2019 SAIFI	0.68

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BELT LINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1090 W. New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0036
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Georgetown St. & Briarwood Dr. - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 562
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/06/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 11.7%
- Trees- 81.1%
- Utility Equipment- 4.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.52
- 10.) **2019 SAIDI** 23.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36
- 12.) **2019 SAIFI** 0.39

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

Tree Trim Scheduled for 2020

1.) SUBSTATION NAME AND NUMBER	LEXINGTON WATER COMPANY 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 2300 Richmond Rd. - Lexington
3.) CIRCUIT NAME AND NUMBER	0039
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - St. Phillip Dr. & Richmond Rd. - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	13.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,044
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/12/2015

8.) 2019 OUTAGES BY CAUSE

Animal- 0.9%

Construction- 37.3%

Lightning- 0.2%

Non-Company- 0.0%

Other/Unknown- 4.8%

Overload- 0.0%

Planned Work- 21.4%

Trees- 8.2%

Utility Equipment- 27.0%

Vehicle- 0.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	39.74
10.) 2019 SAIDI	64.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2019 SAIFI	1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0040
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Reynolds Rd. - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,100
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/31/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.5%
- Overload- 0.0%
- Planned Work- 15.4%
- Trees- 51.5%
- Utility Equipment- 24.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	6.45
10.) 2019 SAIDI	14.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.04
12.) 2019 SAIFI	0.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTUCKY RIVER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 6300 Kentucky American Ave - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0043
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Old Richmond Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 48.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 411
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 4.6%
- Non-Company- 0.0%
- Other/Unknown- 23.8%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 12.4%
- Utility Equipment- 26.3%
- Vehicle- 30.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	254.28
10.) 2019 SAIDI	368.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.66
12.) 2019 SAIFI	1.82

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0044
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Nicholasville Rd . - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,642
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/14/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 6.7%
- Utility Equipment- 90.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 128.12
- 10.) **2019 SAIDI** 156.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.20
- 12.) **2019 SAIFI** 0.54
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HALEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 5481 Winchester Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0045
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Winchester & Cleaveland Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 89.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,083
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/29/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 22.3%
- Overload- 23.6%
- Planned Work- 1.1%
- Trees- 19.9%
- Utility Equipment- 32.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	248.34
10.) 2019 SAIDI	263.92
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.86
12.) 2019 SAIFI	2.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** JOYLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2375 Paris Pike - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0047
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - US 27 & 68 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 233
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 11.7%
- Overload- 0.0%
- Planned Work- 6.6%
- Trees- 75.1%
- Utility Equipment- 6.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	96.51
10.) 2019 SAIDI	176.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46
12.) 2019 SAIFI	0.58

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0048
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tates Creek Rd. - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 537
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 4.1%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 61.1%
- Trees- 29.8%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.80
10.) 2019 SAIDI	76.47
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
12.) 2019 SAIFI	0.46

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND AVENUE
- 2.) **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)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 982
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 1.2%
- Planned Work- 70.3%
- Trees- 22.8%
- Utility Equipment- 3.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.70
10.) 2019 SAIDI	47.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.) 2019 SAIFI	0.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2085 Parkers Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0051
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circle Rd & Viley Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,142
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.1%
- Construction- 0.0%
- Lightning- 4.4%
- Non-Company- 0.7%
- Other/Unknown- 6.0%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 64.0%
- Utility Equipment- 15.7%
- Vehicle- 0.5%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.50
- 10.) **2019 SAIDI** 66.53
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88
- 12.) **2019 SAIFI** 1.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0053
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circle Rd. - West of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 125
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 47.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 52.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 0.78
- 10.) **2019 SAIDI** 0.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2019 SAIFI** 0.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baunmann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0055
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Fairman Rd & Leestown Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,190
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 40.4%
- Non-Company- 0.3%
- Other/Unknown- 12.2%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 40.6%
- Utility Equipment- 3.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	52.37
10.) 2019 SAIDI	58.77
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43
12.) 2019 SAIFI	0.49

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0056
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lochness Dr. & New Circle Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,557
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 12.1%
- Non-Company- 0.0%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 82.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	55.43
10.) 2019 SAIDI	205.65
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.55
12.) 2019 SAIFI	2.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baunmann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0059
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Mercer Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/10/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 34.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 48.5%
- Other/Unknown- 4.1%
- Overload- 0.0%
- Planned Work- 12.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	150.92
10.) 2019 SAIDI	273.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.83
12.) 2019 SAIFI	2.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baunmann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0060
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Mercer Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 377
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/10/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 42.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 57.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	131.57
10.) 2019 SAIDI	149.26
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.31
12.) 2019 SAIFI	3.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HUGHES LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 251 Hughes Ln. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0063
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - US 27 & 68 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 238
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.8%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 90.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	127.34
10.) 2019 SAIDI	275.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.68
12.) 2019 SAIFI	1.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2085 Parkers Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0064
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circle Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,357
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/01/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 95.8%
- Construction- 1.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 0.0%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.42
10.) 2019 SAIDI	48.87
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.) 2019 SAIFI	1.04

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** 0065
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Zesta Pl - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2014

8.) **2019 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)	206.21
10.) 2019 SAIDI	1031.05
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2019 SAIFI	1.00

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

Continue to Monitor

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

8.) **2019 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)	114.51
10.) 2019 SAIDI	352.54
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RACE STREET 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0067
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Eastern Ave. & Main St. - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 452
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2014

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.99
10.) 2019 SAIDI	84.96
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.15
12.) 2019 SAIFI	0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 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** 847
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 21.5%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 8.9%
- Trees- 46.6%
- Utility Equipment- 15.6%
- Vehicle- 3.8%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	46.03
10.) 2019 SAIDI	64.49
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2019 SAIFI	0.47

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** JOYLAND
- 2.) **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** 851
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/31/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 5.8%
- Non-Company- 0.3%
- Other/Unknown- 54.0%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 28.4%
- Utility Equipment- 6.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	117.34
10.) 2019 SAIDI	213.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.97
12.) 2019 SAIFI	1.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILSON DOWNING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 680 Wilson Downing Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0072
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tates Creek Rd & Trent Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,369
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.0%
- Construction- 0.0%
- Lightning- 45.9%
- Non-Company- 0.0%
- Other/Unknown- 31.6%
- Overload- 0.0%
- Planned Work- 11.8%
- Trees- 0.7%
- Utility Equipment- 7.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.49
10.) 2019 SAIDI	33.19
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) 2019 SAIFI	0.47

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILSON DOWNING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 680 Wilson Downing Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0073
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Wilson Downing Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,069
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.4%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 80.4%
- Utility Equipment- 14.7%
- Vehicle- 0.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.25
10.) 2019 SAIDI	60.74
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) 2019 SAIFI	0.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2085 Parkers Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 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** 1,336
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/25/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 21.8%
- Construction- 6.3%
- Lightning- 34.4%
- Non-Company- 0.0%
- Other/Unknown- 10.0%
- Overload- 0.0%
- Planned Work- 17.3%
- Trees- 6.2%
- Utility Equipment- 4.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.98
- 10.) **2019 SAIDI** 46.48
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2019 SAIFI** 0.51

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOUDON AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 811 E Loudon Ave - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0075
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Floyd Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,018
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2009

8.) **2019 OUTAGES BY CAUSE**

- Animal- 28.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 16.3%
- Overload- 0.0%
- Planned Work- 9.6%
- Trees- 31.3%
- Utility Equipment- 14.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.68
- 10.) **2019 SAIDI** 15.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2019 SAIFI** 0.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOUDON AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 811 E Loudon Ave - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0076
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Eastland Dr & Winchester Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 530
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2009

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 25.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 56.0%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 17.2%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	39.13
10.) 2019 SAIDI	125.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) 2019 SAIFI	1.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TRAFTON AVENUE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 141 Trafton St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0078
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Versailles Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 494
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.7%
- Overload- 22.1%
- Planned Work- 29.9%
- Trees- 5.4%
- Utility Equipment- 38.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.69
- 10.) **2019 SAIDI** 5.62
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2019 SAIFI** 0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TRAFTON AVENUE 12KV
- 2.) **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)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,184
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 87.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 11.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.87
10.) 2019 SAIDI	27.95
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.19
12.) 2019 SAIFI	0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SPINDLETOP
- 2.) **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** 105
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/09/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 95.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.78
10.) 2019 SAIDI	58.23
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.) 2019 SAIFI	0.60

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2085 Parkers Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0083
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Versailles Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 259
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 8.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 33.3%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 20.0%
- Utility Equipment- 35.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	120.58
10.) 2019 SAIDI	139.25
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.11
12.) 2019 SAIFI	1.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TRAFTON AVENUE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 141 Trafton St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0088
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Dunkirk Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,650
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.9%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 3.6%
- Utility Equipment- 84.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.86
- 10.) **2019 SAIDI** **39.73**
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.37
- 12.) **2019 SAIFI** 0.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baunmann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0089
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Baumann Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/10/2016

8.) **2019 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)** 82.81
- 10.) **2019 SAIDI** 78.72
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2019 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SPINDLETOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2500 Research Park Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0093
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - 0.09 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)** 03/09/2013

8.) **2019 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)	12.76
10.) 2019 SAIDI	63.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2019 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LIBERTY ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2125 Liberty Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0095
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Liberty Rd. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,678
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/23/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.5%
- Other/Unknown- 40.3%
- Overload- 0.3%
- Planned Work- 0.3%
- Trees- 0.0%
- Utility Equipment- 47.1%
- Vehicle- 8.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	20.99
10.) 2019 SAIDI	50.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) 2019 SAIFI	1.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** JOYLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2375 Paris Pike - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0099
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - I-64 & I-75 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,013
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2007

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.0%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 84.1%
- Utility Equipment- 4.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 133.04
- 10.) **2019 SAIDI** 99.09
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.12
- 12.) **2019 SAIFI** 1.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Shilito Park Rd. & Tiverton Way - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,948
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/09/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.4%
- Other/Unknown- 92.7%
- Overload- 0.5%
- Planned Work- 0.2%
- Trees- 0.8%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.43
10.) 2019 SAIDI	17.18
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.09
12.) 2019 SAIFI	0.26

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0106
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Nicholasville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,086
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.1%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 2.7%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 28.2%
- Utility Equipment- 61.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		181.51
10.) 2019 SAIDI		184.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.36
12.) 2019 SAIFI		1.59

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STONEWALL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3060 Arrowhead Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0108
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tomahawk Tr & Harrodsburg Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 359
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/25/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.1%
- Construction- 1.4%
- Lightning- 7.8%
- Non-Company- 0.0%
- Other/Unknown- 83.5%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.20
10.) 2019 SAIDI	51.28
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25
12.) 2019 SAIFI	0.32

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 12KV

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2300 Richmond Rd - Lexington

3.) **CIRCUIT NAME AND NUMBER** 0109

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lakeshore Dr. - SE of Substation

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

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 998

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

8.) **2019 OUTAGES BY CAUSE**

Animal- 0.6%

Construction- 0.0%

Lightning- 2.2%

Non-Company- 0.0%

Other/Unknown- 2.1%

Overload- 0.0%

Planned Work- 6.7%

Trees- 66.2%

Utility Equipment- 22.2%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	52.25
10.) 2019 SAIDI	53.13
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46
12.) 2019 SAIFI	0.45
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** IBM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 740 W New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0110
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Russell Cave Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,126
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/23/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.5%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 54.9%
- Trees- 7.9%
- Utility Equipment- 29.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.98
- 10.) **2019 SAIDI** 37.92
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85
- 12.) **2019 SAIFI** 0.38
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PICADOME 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0112
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Della Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,605
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 5.1%
- Trees- 91.8%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	191.53
10.) 2019 SAIDI	247.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.56
12.) 2019 SAIFI	1.88

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VILEY ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 308 Alexandria Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0116
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Alexandria Rd. & Old Frankfort Rd. - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 795
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 54.2%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 0.0%
- Utility Equipment- 42.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	15.44
10.) 2019 SAIDI	18.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.) 2019 SAIFI	0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DONERAIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4601 Old Iron Works Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0117
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lisle Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 496
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/16/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 8.7%
- Construction- 0.0%
- Lightning- 5.1%
- Non-Company- 0.0%
- Other/Unknown- 41.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 44.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.14
- 10.) **2019 SAIDI** 13.88
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2019 SAIFI** 0.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0118
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circle Rd. & Chinoe Rd. - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 945
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 8.3%
- Trees- 27.8%
- Utility Equipment- 60.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.06
- 10.) **2019 SAIDI** 63.20
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39
- 12.) **2019 SAIFI** 0.32
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** FMC
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2641 Palumbo Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0120
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Palumbo Dr & Man O War Blvd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 272
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/23/2016

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.38
10.) 2019 SAIDI	41.35
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.12
12.) 2019 SAIFI	0.49

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FMC
- 2.) **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** 32
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/23/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 50.9%
- Overload- 0.0%
- Planned Work- 42.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	22.04
10.) 2019 SAIDI	97.48
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) 2019 SAIFI	1.97

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0126
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Alumni Dr. & Shady Brook Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,501
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/09/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.3%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 7.7%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 34.7%
- Utility Equipment- 53.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	162.58
10.) 2019 SAIDI	231.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.70
12.) 2019 SAIFI	1.86

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

Tree Trim Scheduled for 2020

- 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** 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** 532
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 84.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	1.32
10.) 2019 SAIDI	4.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.01
12.) 2019 SAIFI	0.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BELT LINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1090 W. New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0129
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Georgetown Rd, Price Rd, & Main St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,957
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 18.0%
- Overload- 0.0%
- Planned Work- 7.2%
- Trees- 65.4%
- Utility Equipment- 1.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	44.14
10.) 2019 SAIDI	147.21
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) 2019 SAIFI	0.84

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 12KV
- 2.) **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)** 24.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,193
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 34.4%
- Overload- 0.0%
- Planned Work- 6.3%
- Trees- 5.6%
- Utility Equipment- 51.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.22
10.) 2019 SAIDI	46.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.26
12.) 2019 SAIFI	0.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0132
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 59.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,100
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 10.4%
- Lightning- 0.8%
- Non-Company- 0.1%
- Other/Unknown- 5.0%
- Overload- 0.0%
- Planned Work- 23.3%
- Trees- 19.0%
- Utility Equipment- 41.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	140.50
10.) 2019 SAIDI	206.56
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.88
12.) 2019 SAIFI	1.60

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0133
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,325
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 97.8%
- Construction- 2.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	3.14
10.) 2019 SAIDI	11.89
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.03
12.) 2019 SAIFI	0.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** IBM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 740 W New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0140
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Newtown Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 941
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/18/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.7%
- Other/Unknown- 41.8%
- Overload- 0.0%
- Planned Work- 7.6%
- Trees- 44.5%
- Utility Equipment- 3.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.31
10.) 2019 SAIDI	134.31
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.40
12.) 2019 SAIFI	1.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND PIPE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0142
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tates Creek Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,763
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/30/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 18.1%
- Construction- 0.9%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 60.1%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.0%
- Utility Equipment- 17.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.91
- 10.) **2019 SAIDI** 16.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2019 SAIFI** 0.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND PIPE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0143
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Forest Lake Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 472
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/30/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 21.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 73.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	6.37
10.) 2019 SAIDI	24.24
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.05
12.) 2019 SAIFI	0.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AMERICAN AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Broadway - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 571
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 12.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 76.6%
- Trees- 5.6%
- Utility Equipment- 4.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.34
- 10.) **2019 SAIDI** 34.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2019 SAIFI** 0.23
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAYS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4454 Clays Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0146
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Clays Mill Rd & Man O War Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,139
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/08/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 45.1%
- Construction- 0.0%
- Lightning- 2.1%
- Non-Company- 0.1%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 42.6%
- Trees- 6.2%
- Utility Equipment- 3.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	75.13
10.) 2019 SAIDI	159.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.87
12.) 2019 SAIFI	1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAYS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4454 Clays Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0147
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - clays Mill Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,423
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/27/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 22.5%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 70.5%
- Utility Equipment- 2.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.36
- 10.) **2019 SAIDI** 26.27
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.78
- 12.) **2019 SAIFI** 1.32

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRYANT ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3097 Helmsdale Pl. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Man O War Blvd & Liberty Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,228
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/13/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.8%
- Other/Unknown- 80.1%
- Overload- 0.0%
- Planned Work- 12.3%
- Trees- 0.0%
- Utility Equipment- 5.6%
- Vehicle- 0.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.61
- 10.) **2019 SAIDI** 15.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2019 SAIFI** 0.97

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STANFORD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lincoln - 746 KY Highway 78 - Hustonville
- 3.) **CIRCUIT NAME AND NUMBER** 0154
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hustonville - KY Highway 78 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 52.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,070
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/24/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 8.7%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 20.0%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 66.9%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	70.96
10.) 2019 SAIDI	149.34
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.79
12.) 2019 SAIFI	1.71

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	LAWRENCEBURG 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Anderson - 108 E Broadway st - Lawrenceburg
3.) CIRCUIT NAME AND NUMBER	0160
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lawrenceburg - US HWY 127 - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	25.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	805
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/30/2016

8.) 2019 OUTAGES BY CAUSE

Animal-	7.9%
Construction-	0.0%
Lightning-	4.7%
Non-Company-	0.0%
Other/Unknown-	29.5%
Overload-	0.0%
Planned Work-	20.2%
Trees-	24.4%
Utility Equipment-	13.3%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	105.69
10.) 2019 SAIDI	71.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.93
12.) 2019 SAIFI	1.59
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0162
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - 4th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,273
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.3%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.2%
- Other/Unknown- 52.0%
- Overload- 0.0%
- Planned Work- 26.4%
- Trees- 5.1%
- Utility Equipment- 0.0%
- Vehicle- 10.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.59
- 10.) **2019 SAIDI** 23.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 12.) **2019 SAIFI** 0.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0163
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Russel St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 108
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

8.) **2019 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)	27.76
10.) 2019 SAIDI	115.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.28
12.) 2019 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0164
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - 4th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 222
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 22.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 3.8%
- Utility Equipment- 26.0%
- Vehicle- 45.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.85
10.) 2019 SAIDI	14.61
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.15
12.) 2019 SAIFI	0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 1353 Lebanon Rd - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0168
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - S Danville Bypass - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 18
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/11/2016

8.) **2019 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)	10.69
10.) 2019 SAIDI	41.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07
12.) 2019 SAIFI	0.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 12KV
- 2.) **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)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 702
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/19/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 37.9%
- Utility Equipment- 60.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	162.81	
10.) 2019 SAIDI	644.88	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.37	
12.) 2019 SAIFI	5.45	

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0188
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Regency Rd. - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 729
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 34.9%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 5.4%
- Trees- 3.9%
- Utility Equipment- 55.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	65.67
10.) 2019 SAIDI	216.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.49
12.) 2019 SAIFI	4.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LONDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Near corner of Foster Heights & Substation Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0201
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - Waterworks Rd & Daniel Boone PKWY - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 578
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 1.1%
- Other/Unknown- 34.6%
- Overload- 0.2%
- Planned Work- 25.3%
- Trees- 22.7%
- Utility Equipment- 14.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 143.44
- 10.) **2019 SAIDI** 136.55
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.04
- 12.) **2019 SAIFI** 1.07

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

Reliability Improvements Completed in 2019

- 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** 0203
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - Locus St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 97
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.3%
- Overload- 0.0%
- Planned Work- 20.4%
- Trees- 34.1%
- Utility Equipment- 34.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	19.62
10.) 2019 SAIDI	36.38
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.22
12.) 2019 SAIFI	0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LONDON 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Near corner of Foster Heights & Substation Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - S & N on McWhorter Rd
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,820
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 12.6%
- Non-Company- 0.1%
- Other/Unknown- 3.4%
- Overload- 0.0%
- Planned Work- 5.2%
- Trees- 14.9%
- Utility Equipment- 58.9%
- Vehicle- 4.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	53.97
10.) 2019 SAIDI	69.30
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.74
12.) 2019 SAIFI	0.79

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMPBELLSVILLE 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 620 Clem Haskins Blvd. - Campbellsville
- 3.) **CIRCUIT NAME AND NUMBER** 0208
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Campbellsville - Industrial Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2014

8.) **2019 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)	1.81
10.) 2019 SAIDI	4.77
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.04
12.) 2019 SAIFI	0.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLUMBIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 114 Lindsey Wilson St - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 0209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - KY HWY 3491 & KY 55 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 921
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 2.8%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 35.4%
- Utility Equipment- 46.7%
- Vehicle- 13.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	67.19
10.) 2019 SAIDI	190.27
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.68
12.) 2019 SAIFI	1.94

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 1136 South Laurel Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0213
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - S Laurel Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 147
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/24/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.0%
- Lightning- 1.1%
- Non-Company- 0.0%
- Other/Unknown- 4.4%
- Overload- 0.0%
- Planned Work- 5.0%
- Trees- 80.1%
- Utility Equipment- 6.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 165.01
- 10.) **2019 SAIDI** 114.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.29
- 12.) **2019 SAIFI** 1.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EAST BERNSTADT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 440 State HWY 490 - East Bernstadt
- 3.) **CIRCUIT NAME AND NUMBER** 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** 327
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/01/2009

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 26.6%
- Non-Company- 13.1%
- Other/Unknown- 19.4%
- Overload- 0.0%
- Planned Work- 16.1%
- Trees- 0.0%
- Utility Equipment- 24.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	73.18
10.) 2019 SAIDI	75.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.81
12.) 2019 SAIFI	1.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SPRINGFIELD
- 2.) **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.) **2019 OUTAGES BY CAUSE**

- Animal- 6.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 5.5%
- Trees- 87.3%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		29.31
10.) 2019 SAIDI		92.53
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.37
12.) 2019 SAIFI		1.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0225
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - I75 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 615
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 11.8%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 1.9%
- Utility Equipment- 0.3%
- Vehicle- 85.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	89.42
10.) 2019 SAIDI	314.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.65
12.) 2019 SAIFI	2.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Savoy Clear Creek Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 69
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/05/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 98.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	80.65
10.) 2019 SAIDI	109.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2019 SAIFI	1.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0231
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Savoy Clear Creek Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2012

8.) **2019 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- 19.9%
- Trees- 80.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.03
10.) 2019 SAIDI	89.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.65
12.) 2019 SAIFI	1.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PICADOME 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0232
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Harrodsburg Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,061
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/07/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 1.2%
- Lightning- 0.0%
- Non-Company- 4.8%
- Other/Unknown- 5.0%
- Overload- 2.6%
- Planned Work- 18.4%
- Trees- 61.6%
- Utility Equipment- 5.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	78.43
10.) 2019 SAIDI	202.11
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.35
12.) 2019 SAIFI	3.82

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMPBELLSVILLE 1
- 2.) **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** 875
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 5.7%
- Trees- 1.4%
- Utility Equipment- 91.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	65.91
10.) 2019 SAIDI	119.06
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.74
12.) 2019 SAIFI	1.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of 2nd and 3rd St - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0235
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - 5th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 273
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/09/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.8%
- Overload- 0.0%
- Planned Work- 38.3%
- Trees- 45.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 3.42

10.) **2019 SAIDI** 2.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.04

12.) **2019 SAIFI** 0.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANCHESTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clay - 1195 HWY 687 (Town Branch Rd) - Manchester
- 3.) **CIRCUIT NAME AND NUMBER** 0251
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Manchester - Town Branch Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 53
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 0.0%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 96.3%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	182.18
10.) 2019 SAIDI	451.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.99
12.) 2019 SAIFI	1.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANCHESTER SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clay - 530 Muddy Gap Rd - Manchester
- 3.) **CIRCUIT NAME AND NUMBER** 0254
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Manchester - State HWY 80 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 407
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 87.5%
- Utility Equipment- 4.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	193.81
10.) 2019 SAIDI	194.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.38
12.) 2019 SAIFI	0.86

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** VAKSDAHL AVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 100 Vaksdahl Ave - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0280
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Vaksdahl Ave & Perryville St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 685
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 0.1%
- Utility Equipment- 92.1%
- Vehicle- 3.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	31.12
10.) 2019 SAIDI	100.47
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	1.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HOPEWELL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Corner of American Greeting Rd and Hopewell Church Rd - North Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0286
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** North Corbin - Robinson Creek Rd & US HWY 25 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 72.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,983
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 46.4%
- Construction- 0.1%
- Lightning- 3.0%
- Non-Company- 0.0%
- Other/Unknown- 27.9%
- Overload- 0.0%
- Planned Work- 7.5%
- Trees- 6.3%
- Utility Equipment- 8.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	88.30
10.) 2019 SAIDI	94.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.23
12.) 2019 SAIFI	1.62

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HOPEWELL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Corner of American Greeting Rd and Hopewell Church Rd - North Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0287
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** North Corbin - National Cash Regist Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/07/2016

8.) **2019 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)	9.15
10.) 2019 SAIDI	30.77
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.) 2019 SAIFI	0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN US STEEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - S Woodbine Ave off HWY 830 - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0288
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - 0.15 miles E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 390
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/25/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 2.6%
- Non-Company- 0.0%
- Other/Unknown- 13.3%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 77.2%
- Utility Equipment- 2.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.19
- 10.) **2019 SAIDI** 58.64
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2019 SAIFI** 0.68

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of E Park Ave and Maple St - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0301
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - US HWY 25E & KY HWY 66 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,166
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/02/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 2.5%
- Lightning- 0.1%
- Non-Company- 0.1%
- Other/Unknown- 14.4%
- Overload- 0.3%
- Planned Work- 12.3%
- Trees- 40.0%
- Utility Equipment- 30.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	116.56
10.) 2019 SAIDI	240.65
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.77
12.) 2019 SAIFI	3.04

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of E Park Ave and Maple St - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0302
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - US HWY 25E - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 633
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 8.0%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 88.1%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	354.19
10.) 2019 SAIDI	446.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.10
12.) 2019 SAIFI	3.95

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINEVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of E Park Ave and Maple St - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0303
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - US HWY 25E - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 524
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/14/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.2%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 84.6%
- Utility Equipment- 5.5%
- Vehicle- 0.8%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	322.18
10.) 2019 SAIDI	380.68
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.83
12.) 2019 SAIFI	3.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MELDRUM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - HWY 25/Wilderness Rd S of HWY 2486 Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0308
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - US HWY 25E - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 842
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/24/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 1.3%
- Other/Unknown- 16.7%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 75.9%
- Utility Equipment- 4.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	436.19
10.) 2019 SAIDI	870.48
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.94
12.) 2019 SAIFI	5.65

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** GREASY CREEK 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - US HWY 25 at HWY 3085 - Pineville US HWY 25 AT HWY 3085 PINEVILLE
- 3.) **CIRCUIT NAME AND NUMBER** 0309
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 92 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 332
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/30/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 33.3%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 66.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	213.78
10.) 2019 SAIDI	571.10
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.65
12.) 2019 SAIFI	3.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREASY CREEK 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - US HWY 25 at HWY 3085 - Pineville US HWY 25 AT HWY 3085 PINEVILLE
- 3.) **CIRCUIT NAME AND NUMBER** 0310
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Mocking Bird - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 108
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 6.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 72.8%
- Overload- 0.0%
- Planned Work- 15.2%
- Trees- 5.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	78.57
10.) 2019 SAIDI	193.27
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.08
12.) 2019 SAIFI	1.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STINKING CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Croner of New US HWY 25 E and HWY 930 - Barbourville
- 3.) **CIRCUIT NAME AND NUMBER** 0313
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Barbourville - US HWY 25E - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 36.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 826
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.1%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 34.9%
- Overload- 0.0%
- Planned Work- 18.3%
- Trees- 44.2%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 152.32
- 10.) **2019 SAIDI** 134.09
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.48
- 12.) **2019 SAIFI** 1.89

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** STINKING CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Croner of New US HWY 25 E and HWY 930 - Barbourville
- 3.) **CIRCUIT NAME AND NUMBER** 0314
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Barbourville - US HWY 25E & Stinking Creek Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 394
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2011

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.7%
- Overload- 0.0%
- Planned Work- 21.2%
- Trees- 54.0%
- Utility Equipment- 6.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	164.04
10.) 2019 SAIDI	242.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.91
12.) 2019 SAIFI	1.71

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - KU
- 2.) **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)** 14.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 346
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 5.2%
- Utility Equipment- 91.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	123.58
10.) 2019 SAIDI	258.48
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.93
12.) 2019 SAIFI	1.83

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STRAIGHT CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - 3582 HWY 66 Arjay - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0317
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 66 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 221
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 96.2%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.72
10.) 2019 SAIDI	67.30
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) 2019 SAIFI	1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DEER BRANCH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Hwy 66 0.5 miles S of Buffalo Hollow Rd - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0320
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Hwy 66 & Buffalo Hollow Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 24
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/02/2018

8.) **2019 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)	79.38
10.) 2019 SAIDI	179.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.52
12.) 2019 SAIFI	1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PUCKETT CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - 5627 E HWY 72 Pathfork - Alva
- 3.) **CIRCUIT NAME AND NUMBER** 0321
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Alva - E Highway 72 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 62
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/02/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 58.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 41.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	181.04
10.) 2019 SAIDI	640.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.02
12.) 2019 SAIFI	1.89

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRUSH CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - HWY 225 Kay Jay Road - Barbourville
- 3.) **CIRCUIT NAME AND NUMBER** 0323
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Trosper - State HWY 225 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 34
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2011

8.) **2019 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- 34.3%
- Trees- 54.4%
- Utility Equipment- 11.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	184.03
10.) 2019 SAIDI	920.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) 2019 SAIFI	3.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRUSH CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - HWY 225 Kay Jay Road - Barbourville
- 3.) **CIRCUIT NAME AND NUMBER** 0324
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Trosper - State HWY 225 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 37
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/01/2011

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 40.3%
- Trees- 59.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	177.49
10.) 2019 SAIDI	865.29
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) 2019 SAIFI	2.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CHUNKLICK BRANCH
- 2.) **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** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/29/2018

8.) **2019 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)	814.74
10.) 2019 SAIDI	3707.45
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.80
12.) 2019 SAIFI	2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 2 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0351
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Dorchester Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 660
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.4%
- Other/Unknown- 4.3%
- Overload- 0.0%
- Planned Work- 56.0%
- Trees- 4.1%
- Utility Equipment- 35.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.58
- 10.) **2019 SAIDI** 41.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.92
- 12.) **2019 SAIFI** 1.58

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 2 12KV #2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0356
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - S 38th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 565
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/17/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 40.3%
- Trees- 21.7%
- Utility Equipment- 33.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.60
10.) 2019 SAIDI	42.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) 2019 SAIFI	0.56

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 2 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0360
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - State HWY 74 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 337
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.1%
- Other/Unknown- 6.6%
- Overload- 0.0%
- Planned Work- 8.4%
- Trees- 64.2%
- Utility Equipment- 18.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	170.71
10.) 2019 SAIDI	280.92
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.92
12.) 2019 SAIFI	1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0364
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Nutwood Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 541
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/29/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.5%
- Non-Company- 0.0%
- Other/Unknown- 46.8%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 48.4%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	103.37
10.) 2019 SAIDI	190.80
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.08
12.) 2019 SAIFI	2.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0365
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - N 12th St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 514
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/20/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 10.1%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.1%
- Other/Unknown- 23.5%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 59.0%
- Utility Equipment- 3.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.60
10.) 2019 SAIDI	58.11
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.45
12.) 2019 SAIFI	0.56

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0366
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Asbury Rd & N 12th St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 447
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/03/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.0%
- Non-Company- 0.0%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 6.8%
- Utility Equipment- 82.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	75.73
10.) 2019 SAIDI	186.84
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.56
12.) 2019 SAIFI	1.26

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0367
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - N 19th St - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 534
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/18/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 21.7%
- Overload- 0.0%
- Planned Work- 4.0%
- Trees- 61.9%
- Utility Equipment- 12.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.46
10.) 2019 SAIDI	68.44
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.58
12.) 2019 SAIFI	0.63

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0370
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - N 19th St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 634
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 5.5%
- Trees- 78.7%
- Utility Equipment- 15.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.13
- 10.) **2019 SAIDI** 101.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.23
- 12.) **2019 SAIFI** 1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0371
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - N 19th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2018

8.) **2019 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- 13.3%
- Trees- 85.2%
- Utility Equipment- 1.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5.26
10.) 2019 SAIDI	19.44
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.05
12.) 2019 SAIFI	0.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0372
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Lynnwood Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 407
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/22/2013

8.) **2019 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- 35.7%
- Trees- 62.9%
- Utility Equipment- 1.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.50
10.) 2019 SAIDI	23.34
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18
12.) 2019 SAIFI	0.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DELAPLAIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 413 Triport Cir - Sadieville
- 3.) **CIRCUIT NAME AND NUMBER** 0401
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sadieville - 175 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 101
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/10/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.3%
- Lightning- 2.0%
- Non-Company- 0.2%
- Other/Unknown- 81.1%
- Overload- 0.4%
- Planned Work- 0.0%
- Trees- 12.9%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	64.63
10.) 2019 SAIDI	242.24
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) 2019 SAIFI	0.92

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DELAPLAIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 413 Triport Cir - Sadieville
- 3.) **CIRCUIT NAME AND NUMBER** 0402
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sadieville - Triport Rd & Cincinnati Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 417
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/31/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 0.3%
- Lightning- 4.8%
- Non-Company- 1.0%
- Other/Unknown- 41.7%
- Overload- 0.0%
- Planned Work- 15.7%
- Trees- 19.1%
- Utility Equipment- 14.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.92
10.) 2019 SAIDI	34.54
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.22
12.) 2019 SAIFI	0.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORKS OF ELKHORN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Franklin - 3286 Georgetown Rd - Frankfort
- 3.) **CIRCUIT NAME AND NUMBER** 0407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Frankfort - Old Grand Dad Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/23/2017

8.) **2019 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)	31.74
10.) 2019 SAIDI	83.38
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	1.00

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)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 652
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/13/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 12.2%
- Construction- 17.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.3%
- Overload- 0.0%
- Planned Work- 52.9%
- Trees- 5.7%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.20
- 10.) **2019 SAIDI** 38.08
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.09
- 12.) **2019 SAIFI** 1.23

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAYHOIT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Dayhoit Dr (Keith Tremont Rd) - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 0414
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - US HWY 119 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 576
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/02/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 43.7%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 52.1%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	197.00
10.) 2019 SAIDI	356.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.54
12.) 2019 SAIFI	2.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAYHOIT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Dayhoit Dr (Keith Tremont Rd) - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 0415
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - S US HWY 119 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 407
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/14/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.5%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 89.1%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	199.55
10.) 2019 SAIDI	387.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.73
12.) 2019 SAIFI	2.82

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Off Slack Hollow Rd just N of S Old US HWY 421 - Cawood
- 3.) **CIRCUIT NAME AND NUMBER** 0419
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cawood - US HWY 421 Bypass - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 314
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/29/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 40.6%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 55.9%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 264.29
- 10.) **2019 SAIDI** 207.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.31
- 12.) **2019 SAIFI** 1.63

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTENIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Near HWY 219 on Meadow Creek Ln (Wilson Ln) - Wallins Creek
- 3.) **CIRCUIT NAME AND NUMBER** 0422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wallins Creek - HWY 219 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,109
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2010

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 31.6%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 50.6%
- Utility Equipment- 10.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	257.81
10.) 2019 SAIDI	377.83
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.76
12.) 2019 SAIFI	4.27

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** LEMONS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 125 Carley Ct - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0441
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Lemons Mill Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,208
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.4%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 0.4%
- Vehicle- 94.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	73.84
10.) 2019 SAIDI	139.18
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.90
12.) 2019 SAIFI	1.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** POOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 211 S Route 56 - Poole
- 3.) **CIRCUIT NAME AND NUMBER** 0446
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Poole - US Hwy 41A - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 199
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/15/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 20.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 78.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.15
10.) 2019 SAIDI	27.58
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.) 2019 SAIFI	0.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ADAMS 12KV
- 2.) **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)** 43.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,518
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 13.0%
- Construction- 17.2%
- Lightning- 12.1%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 50.9%
- Utility Equipment- 2.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.75
- 10.) **2019 SAIDI** 19.44
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2019 SAIFI** 0.07
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CUMBERLAND
- 2.) **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** 551
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 9.5%
- Overload- 0.0%
- Planned Work- 62.9%
- Trees- 27.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.64
- 10.) **2019 SAIDI** 61.23
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88
- 12.) **2019 SAIFI** 1.25

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** CUMBERLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Russel Dr just S of E Main St - Cumberland
- 3.) **CIRCUIT NAME AND NUMBER** 0455
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cumberland - N US HWY 119 - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 229
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.2%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 95.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.13
10.) 2019 SAIDI	40.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.09
12.) 2019 SAIFI	0.29

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** PEPPER PIKE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 4341 Frankfort Rd - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0460
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Frankfort Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 788
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 14.1%
- Lightning- 14.8%
- Non-Company- 54.1%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 0.3%
- Utility Equipment- 3.2%
- Vehicle- 9.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	113.25
10.) 2019 SAIDI	118.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.25
12.) 2019 SAIFI	2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXFORD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 1827 Oxford Dr - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Oxford Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,064
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/31/2019

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.5%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 0.0%
- Utility Equipment- 96.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.63
- 10.) **2019 SAIDI** 26.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29
- 12.) **2019 SAIFI** 0.18
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STAMPING GROUND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 3540 Main St - Stamping Ground
- 3.) **CIRCUIT NAME AND NUMBER** 0480
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stamping Ground - Owenton/HWY 227 N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 57.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 462
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 10.9%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 35.2%
- Utility Equipment- 6.4%
- Vehicle- 45.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	284.91
10.) 2019 SAIDI	317.19
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.30
12.) 2019 SAIFI	1.61

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ROBBINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - E of 15537 Hwy 38 - Upper Clover
- 3.) **CIRCUIT NAME AND NUMBER** 0488
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Upper Clover - Highway 38 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 33
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 51.5%
- Utility Equipment- 47.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	389.78
10.) 2019 SAIDI	605.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.00
12.) 2019 SAIFI	5.84

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HOLMES MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - 1/4 mile E of 25511 HWY 38 - Upper Clover
- 3.) **CIRCUIT NAME AND NUMBER** 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.) **2019 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)	85.44
10.) 2019 SAIDI	229.13
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46
12.) 2019 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BAILEY CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Tyree Ln - Evarts
- 3.) **CIRCUIT NAME AND NUMBER** 0495
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Evarts - Tyree Ln, Hwy 38, & Bailey Creek Rd – W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 285
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 4.7%
- Trees- 71.8%
- Utility Equipment- 20.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	161.81
10.) 2019 SAIDI	483.25
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.41
12.) 2019 SAIFI	3.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALEXANDER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 2915 Troy Pike - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0500
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Woodford South - Troy Pike - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 90.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 906
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.2%
- Lightning- 1.2%
- Non-Company- 0.0%
- Other/Unknown- 14.5%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 9.1%
- Utility Equipment- 2.1%
- Vehicle- 70.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	162.59
10.) 2019 SAIDI	189.47
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.89
12.) 2019 SAIFI	0.89

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDWAY 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 860 Weisenburger Rd - Midway
- 3.) **CIRCUIT NAME AND NUMBER** 0503
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Midway - Weisenberger Mill Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 791
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.4%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 51.4%
- Utility Equipment- 3.6%
- Vehicle- 34.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	196.75
10.) 2019 SAIDI	334.68
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.65
12.) 2019 SAIFI	2.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERSAILLES
- 2.) **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)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 502
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.5%
- Overload- 16.4%
- Planned Work- 31.5%
- Trees- 3.4%
- Utility Equipment- 27.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.42
- 10.) **2019 SAIDI** 34.19
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2019 SAIFI** 0.44
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERSAILLES WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 115 Rutter Rd - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0513
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - Clifton Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 874
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/04/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 11.1%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 54.1%
- Utility Equipment- 12.2%
- Vehicle- 20.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	88.56
10.) 2019 SAIDI	89.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) 2019 SAIFI	0.87

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** ALEXANDER
- 2.) **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)** 48.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,269
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/29/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 57.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 10.6%
- Planned Work- 0.2%
- Trees- 7.1%
- Utility Equipment- 24.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	82.49
10.) 2019 SAIDI	152.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.11
12.) 2019 SAIFI	2.47

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDWAY 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 860 Weisenburger Rd - Midway
- 3.) **CIRCUIT NAME AND NUMBER** 0516
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Midway - State HWY 341 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 798
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/04/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 0.0%
- Lightning- 1.7%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 84.8%
- Utility Equipment- 9.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	109.38
10.) 2019 SAIDI	149.70
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.98
12.) 2019 SAIFI	0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 144 Railroad Dr - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 0521
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - S Main St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 409
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/09/2015

8.) **2019 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- 84.5%
- Trees- 15.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.04
- 10.) **2019 SAIDI** 7.83
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2019 SAIFI** 0.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SCIENCE HILL
- 2.) **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)** 14.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 579
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2008

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 1.1%
- Utility Equipment- 97.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.86

10.) **2019 SAIDI** 6.87

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

12.) **2019 SAIFI** 1.05

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DENHAM STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 114 Adams St - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 0529
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - HWY 27 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 323
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 14.2%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 62.2%
- Trees- 0.0%
- Utility Equipment- 19.9%
- Vehicle- 0.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	41.38
10.) 2019 SAIDI	105.83
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2019 SAIFI	1.42

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DENHAM STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 114 Adams St - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 0530
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - HWY 27 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 294
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 41.4%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 48.1%
- Utility Equipment- 8.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	83.22
10.) 2019 SAIDI	94.24
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.93
12.) 2019 SAIFI	1.18

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 3084 S HWY 27 S of Monticello Rd - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 0542
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - HWY 27 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 279
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/15/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.7%
- Overload- 0.0%
- Planned Work- 34.6%
- Trees- 0.0%
- Utility Equipment- 51.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.58
- 10.) **2019 SAIDI** 9.80
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12
- 12.) **2019 SAIFI** 0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LIBERTY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Casey - 1351 E KY HWY 70 - Liberty
- 3.) **CIRCUIT NAME AND NUMBER** 0552
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Liberty - E KY 70 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 517
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/21/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 33.9%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 60.1%
- Utility Equipment- 4.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	146.05
10.) 2019 SAIDI	212.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.96
12.) 2019 SAIFI	1.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REVELO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCreary - N of 4850 S HWY 1651 - Stearns-Whitley City
- 3.) **CIRCUIT NAME AND NUMBER** 0577
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stearns-Whitley City - N & S on State HWY 1651
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 542
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 18.1%
- Non-Company- 0.0%
- Other/Unknown- 44.6%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 11.2%
- Utility Equipment- 24.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	71.96
10.) 2019 SAIDI	137.29
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.63
12.) 2019 SAIFI	1.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHUN PIKE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jessamine - 1201 Short Shun Rd Nicholasville
- 3.) **CIRCUIT NAME AND NUMBER** 0580
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nicholasville - N & S on Nicholasville Bypass
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,302
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 10.8%
- Construction- 0.4%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 8.2%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 2.8%
- Utility Equipment- 77.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.75
- 10.) **2019 SAIDI** 66.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.67
- 12.) **2019 SAIFI** 0.36
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHUN PIKE
- 2.) **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)** 23.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 648
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 4.3%
- Overload- 3.1%
- Planned Work- 0.0%
- Trees- 0.4%
- Utility Equipment- 0.2%
- Vehicle- 91.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	100.79
10.) 2019 SAIDI	255.64
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2019 SAIFI	1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** JOYLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2375 Paris Pike - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0599
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - US 27 & US 68 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,158
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.3%
- Other/Unknown- 6.4%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 85.1%
- Utility Equipment- 4.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	74.70
10.) 2019 SAIDI	162.29
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.50
12.) 2019 SAIFI	1.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** A O SMITH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 1871 Owingsville Rd - Mt. Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0607
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - Maysville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,041
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 1.3%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.3%
- Utility Equipment- 95.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	51.57
10.) 2019 SAIDI	95.66
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60
12.) 2019 SAIFI	1.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** A O SMITH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 1871 Owingsville Rd - Mt. Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0608
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - 6 miles W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 210
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/26/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 42.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 57.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5.18
10.) 2019 SAIDI	7.19
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.08
12.) 2019 SAIFI	0.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARMERS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rowan - 6901 US 60 W - Morehead
- 3.) **CIRCUIT NAME AND NUMBER** 0614
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - US HWY 60 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 135
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/01/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 24.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.7%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 13.3%
- Utility Equipment- 11.4%
- Vehicle- 13.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	6.48
10.) 2019 SAIDI	10.74
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.09
12.) 2019 SAIFI	0.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MOREHEAD 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rowan - 100 E Wilkinson Blvd - Morehead
- 3.) **CIRCUIT NAME AND NUMBER** 0618
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - Wilkinson Blvd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 110
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/12/2016

8.) **2019 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)	9.39
10.) 2019 SAIDI	34.36
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.08
12.) 2019 SAIFI	0.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MOREHEAD EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rowan - 310 Rowan St - Morehead
- 3.) **CIRCUIT NAME AND NUMBER** 0621
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - 0.00 Miles
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/02/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 71.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 28.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	84.61
10.) 2019 SAIDI	242.03
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60
12.) 2019 SAIFI	2.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKER SEAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 390 Mt Sterling Rd - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0630
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Cherry St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,375
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/30/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 6.3%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 43.2%
- Overload- 0.0%
- Planned Work- 27.6%
- Trees- 20.5%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.06
10.) 2019 SAIDI	49.04
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.50
12.) 2019 SAIFI	0.53

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** 0632
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - 1st St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 79
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2016

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	11.70
10.) 2019 SAIDI	20.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.08
12.) 2019 SAIFI	0.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SYLVANIA 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 439 E Washington St - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0635
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - New St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 94
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/18/2017

8.) **2019 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- 53.0%
- Trees- 0.0%
- Utility Equipment- 47.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.67
10.) 2019 SAIDI	66.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.37
12.) 2019 SAIFI	1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 105 Hood Ave - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0637
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Belmont Ave & S Burns Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 376
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/04/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 14.5%
- Planned Work- 78.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.33
10.) 2019 SAIDI	9.09
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.29
12.) 2019 SAIFI	0.09
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BOONESBORO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 170 Settlers Ln. - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0643
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Boonesboro - Ford Rd and HWY 418 - N and S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 113
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 18.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.2%
- Overload- 0.0%
- Planned Work- 30.8%
- Trees- 37.4%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.43
- 10.) **2019 SAIDI** 45.60
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2019 SAIFI** 0.43

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** 0645
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Tech Dr, Rolling Hills Ln, Corporate Dr - W of Subs.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 15
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/20/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 93.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 4.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	19.91
10.) 2019 SAIDI	82.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) 2019 SAIFI	1.20

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** 0659
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt Sterling - US Hwy 460 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 47.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 996
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.3%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 73.5%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 0.5%
- Utility Equipment- 1.3%
- Vehicle- 22.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 103.21
- 10.) **2019 SAIDI** 73.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03
- 12.) **2019 SAIFI** 1.58

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BEECHMONT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 3660 Merle Travis Hwy - Beechmont
- 3.) **CIRCUIT NAME AND NUMBER** 0695
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beechmont - US Hwy 431 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 312
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/15/2018

8.) **2019 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- 0.8%
- Trees- 93.4%
- Utility Equipment- 5.6%
- Vehicle- 0.2%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.48
- 10.) **2019 SAIDI** 101.99
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2019 SAIFI** 0.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BEECHMONT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 3660 Merle Travis Hwy - Beechmont
- 3.) **CIRCUIT NAME AND NUMBER** 0696
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beechmont - US Hwy 431, Hazel Creek Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 376
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/08/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 9.1%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 78.9%
- Utility Equipment- 6.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	55.23
10.) 2019 SAIDI	139.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.39
12.) 2019 SAIFI	0.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SIMMONS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 5798 US HWY 62 W - Centertown
- 3.) **CIRCUIT NAME AND NUMBER** 0699
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centertown - Midway Rd & US HWY 62 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 15
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 97.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	127.15
10.) 2019 SAIDI	604.86
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25
12.) 2019 SAIFI	1.07

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BROMLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Owen - 7205 Hwy 127 - New Liberty
- 3.) **CIRCUIT NAME AND NUMBER** 0701
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bromley - State Hwy 36, St Hwy 227, & Alexander Rd - W of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 75.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 950
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/02/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 3.1%
- Overload- 0.0%
- Planned Work- 26.7%
- Trees- 43.0%
- Utility Equipment- 24.6%
- Vehicle- 2.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	178.52
10.) 2019 SAIDI	604.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.12
12.) 2019 SAIFI	3.43

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARROLLTON 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 802 Mason St - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0704
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - 4th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 514
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/01/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 48.4%
- Planned Work- 5.9%
- Trees- 0.0%
- Utility Equipment- 45.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.39
10.) 2019 SAIDI	19.04
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07
12.) 2019 SAIFI	0.19

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARROLLTON 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 802 Mason St - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0705
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - 9th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 497
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/08/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 25.1%
- Non-Company- 0.0%
- Other/Unknown- 3.1%
- Overload- 0.0%
- Planned Work- 31.0%
- Trees- 35.9%
- Utility Equipment- 5.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.44
10.) 2019 SAIDI	19.12
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.08
12.) 2019 SAIFI	0.23

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARROLLTON 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 802 Mason St - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0707
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - HWY 227 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 748
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/22/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 24.4%
- Construction- 0.0%
- Lightning- 1.8%
- Non-Company- 0.4%
- Other/Unknown- 36.6%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 0.8%
- Utility Equipment- 35.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	161.35
10.) 2019 SAIDI	546.41
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.25
12.) 2019 SAIFI	3.75

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARROLLTON 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 802 Mason St - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0708
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - 11th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 770
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/19/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 79.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.4%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 1.4%
- Utility Equipment- 15.9%
- Vehicle- 0.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	70.37
10.) 2019 SAIDI	236.53
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.74
12.) 2019 SAIFI	1.62

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARROLLTON 12KV
- 2.) **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** 391
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 60.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.8%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 11.2%
- Utility Equipment- 0.0%
- Vehicle- 13.8%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	68.34
10.) 2019 SAIDI	166.76
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.53
12.) 2019 SAIFI	1.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DOW CORNING
- 2.) **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** 6
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/05/2016

8.) **2019 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)** 31.19
- 10.) **2019 SAIDI** 39.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.51
- 12.) **2019 SAIFI** 0.33
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OWENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Owen - 327 Gayle Avenue - Owenton
- 3.) **CIRCUIT NAME AND NUMBER** 0716
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owenton - Gratz Rd- SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 493
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/13/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 3.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 94.4%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 94.01
- 10.) **2019 SAIDI** 85.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42
- 12.) **2019 SAIFI** 0.65

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** HUNTERS BOTTOM
- 2.) **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)** 25.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 501
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 76.5%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 0.8%
- Utility Equipment- 21.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 148.82
- 10.) **2019 SAIDI** 145.85
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.38
- 12.) **2019 SAIFI** 1.62

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** METAL & THERMIT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 2318 Highland Ave - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0722
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - Easterday Rd, Highland Ave - NE and SE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 434
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/27/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 95.8%
- Utility Equipment- 3.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	123.30
10.) 2019 SAIDI	242.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.23
12.) 2019 SAIFI	2.18

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OWENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Owen - 327 Gayle Avenue - Owenton
- 3.) **CIRCUIT NAME AND NUMBER** 0725
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owenton - N Main St & E Adair St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 498
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/13/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 89.8%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 0.0%
- Utility Equipment- 9.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.68
10.) 2019 SAIDI	24.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.) 2019 SAIFI	0.29

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

Continue to Monitor

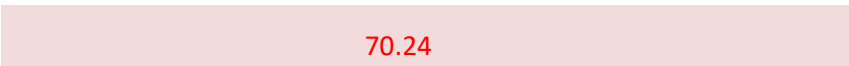
- 1.) **SUBSTATION NAME AND NUMBER** WARSAW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Gallatin - RR 1 Box 51 - Warsaw
- 3.) **CIRCUIT NAME AND NUMBER** 0728
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Warsaw - Dry Creek Rd - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.7
- 6.)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

8.) **2019 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- 93.5%
- Utility Equipment- 6.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.73

10.) **2019 SAIDI**



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

12.) **2019 SAIFI** 0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MORGANFIELD 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 307 Rhea St - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 0746
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - Morton St, Brady St, SR 947, & Spring St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 566
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/23/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 1.8%
- Planned Work- 0.0%
- Trees- 96.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.73
- 10.) **2019 SAIDI** 5.97
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2019 SAIFI** 0.04
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MORGANFIELD 4KV
- 2.) **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)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 504
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/11/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 71.6%
- Vehicle- 17.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	4.00
10.) 2019 SAIDI	5.89
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.) 2019 SAIFI	0.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STANFORD NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lincoln - 300 Lee Dr - Stanford
- 3.) **CIRCUIT NAME AND NUMBER** 0767
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stanford - US Hwy 27, E Main St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 585
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/16/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 89.1%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 7.7%
- Trees- 0.0%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	39.70
10.) 2019 SAIDI	72.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.40
12.) 2019 SAIFI	1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STANFORD NORTH
- 2.) **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)** 11.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 604
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/28/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 23.0%
- Trees- 74.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.38
10.) 2019 SAIDI	27.46
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) 2019 SAIFI	0.19
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** 0773
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Warwick Rd, N Greenville St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 194
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/19/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 50.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 49.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	12.58
10.) 2019 SAIDI	16.31
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.16
12.) 2019 SAIFI	0.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MOREHEAD 12KV
- 2.) **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** 1,350
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/20/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.1%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 15.9%
- Utility Equipment- 0.4%
- Vehicle- 80.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	104.16
10.) 2019 SAIDI	130.27
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.23
12.) 2019 SAIFI	1.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORPORATE DRIVE
- 2.) **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** 9
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/02/2017

8.) **2019 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)	3.95
10.) 2019 SAIDI	7.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.) 2019 SAIFI	0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DETROIT HARVESTER 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bourbon - 115 W 20th St - Paris
- 3.) **CIRCUIT NAME AND NUMBER** 0801
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Paris - Bypass Rd, S Main, US 27/66, Bethlehem Rd - SW of Sub
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 86.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,816
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 1.8%
- Non-Company- 0.0%
- Other/Unknown- 6.0%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 4.2%
- Utility Equipment- 81.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	42.87
10.) 2019 SAIDI	106.48
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) 2019 SAIFI	1.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DETROIT HARVESTER 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bourbon - 115 W 20th St - Paris
- 3.) **CIRCUIT NAME AND NUMBER** 0802
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Paris - Bypass Rd, Cynthiana Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 206
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/21/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 15.5%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 29.9%
- Trees- 41.6%
- Utility Equipment- 10.0%
- Vehicle- 2.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.01
10.) 2019 SAIDI	53.11
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.49
12.) 2019 SAIFI	0.39
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARIS 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bourbon - 520 Scott Ave - Paris
- 3.) **CIRCUIT NAME AND NUMBER** 0805
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Paris - Spears Mill Rd and WHY 460 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 80.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 855
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/26/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 44.6%
- Non-Company- 1.4%
- Other/Unknown- 11.4%
- Overload- 1.1%
- Planned Work- 0.7%
- Trees- 3.6%
- Utility Equipment- 36.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	113.44
10.) 2019 SAIDI	209.10
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.18
12.) 2019 SAIFI	2.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HANSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 235 Fowler Rd - Hanson
- 3.) **CIRCUIT NAME AND NUMBER** 0810
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hanson - Hanson Rd & Hwy 1069 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 888
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/06/2009

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 14.3%
- Lightning- 15.3%
- Non-Company- 0.0%
- Other/Unknown- 20.8%
- Overload- 0.0%
- Planned Work- 3.3%
- Trees- 41.9%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	52.53
10.) 2019 SAIDI	53.55
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.84
12.) 2019 SAIFI	1.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HANSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 235 Fowler Rd - Hanson
- 3.) **CIRCUIT NAME AND NUMBER** 0811
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hanson - US HWY 41 & City of Hanson - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 618
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/02/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.6%
- Construction- 0.0%
- Lightning- 2.3%
- Non-Company- 0.0%
- Other/Unknown- 7.3%
- Overload- 0.0%
- Planned Work- 27.3%
- Trees- 59.7%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	147.50
10.) 2019 SAIDI	174.86
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.79
12.) 2019 SAIFI	0.84

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CROSSROADS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 1340 Amanda Ln - Nortonville
- 3.) **CIRCUIT NAME AND NUMBER** 0812
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nortonville - Wells Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 75
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	77.66
10.) 2019 SAIDI	165.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.65
12.) 2019 SAIFI	1.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DOZIER HEIGHTS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 200 Claire Ln - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0816
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Sandcut Ln, Mcleod Ln, Grapvine Rd - N&E of Subs.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 21.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 810
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/11/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.6%
- Construction- 23.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 57.8%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 8.8%
- Utility Equipment- 2.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 100.07
- 10.) **2019 SAIDI** 49.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.92
- 12.) **2019 SAIFI** 1.35

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** NORTONVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 55 Holly Ln - Nortonville
- 3.) **CIRCUIT NAME AND NUMBER** 0818
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nortonville - Mockingbird St, US 41, & Wells Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 366
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 21.1%
- Construction- 0.0%
- Lightning- 69.6%
- Non-Company- 0.0%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 5.7%
- Trees- 0.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.17
10.) 2019 SAIDI	13.96
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.) 2019 SAIFI	0.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MORTONS GAP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 900 White Plains Rd - Mortons Gap
- 3.) **CIRCUIT NAME AND NUMBER** 0822
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mortons Gap - Hwy 1215 & City of Mortons Gap - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 489
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/23/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.1%
- Overload- 0.0%
- Planned Work- 39.7%
- Trees- 52.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	35.90
10.) 2019 SAIDI	151.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.) 2019 SAIFI	0.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MORTONS GAP
- 2.) **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)** 24.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 210
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/25/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 90.5%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 0.6%
- Utility Equipment- 7.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	71.12
10.) 2019 SAIDI	212.27
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.11
12.) 2019 SAIFI	2.37

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EAST DIAMOND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 550 East Diamond Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0825
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Randall Dr, Meadowlark Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 285
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/22/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.1%
- Overload- 0.0%
- Planned Work- 93.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.70
- 10.) **2019 SAIDI** 8.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2019 SAIFI** 0.09
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EAST DIAMOND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 550 East Diamond Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0827
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Hwy 85, Hwy 892, & Hwy 1221 - NE & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 361
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/27/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.4%
- Overload- 4.2%
- Planned Work- 4.1%
- Trees- 1.9%
- Utility Equipment- 59.1%
- Vehicle- 0.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	43.57
10.) 2019 SAIDI	74.14
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.67
12.) 2019 SAIFI	1.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ONTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 6294 S R 370 - Onton
- 3.) **CIRCUIT NAME AND NUMBER** 0832
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Onton - KY 147, Harry Ashby Rd, Hwy 41 & Main St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 324
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/30/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 47.4%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 0.1%
- Utility Equipment- 49.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	52.01
10.) 2019 SAIDI	150.70
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.64
12.) 2019 SAIFI	1.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WHITE PLAINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 336 NW Railroad - White Plains
- 3.) **CIRCUIT NAME AND NUMBER** 0839
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** White Plains - US 62, Main St/Hwy 813, & Concord Church Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 356
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/24/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 11.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 81.3%
- Overload- 0.7%
- Planned Work- 0.0%
- Trees- 5.8%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	182.35
10.) 2019 SAIDI	507.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.38
12.) 2019 SAIFI	2.57

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CYNTHIANA 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - 208 McIlvain Blvd - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0851
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - S Walnut St, Oddvill Rd - NNE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 452
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.7%
- Overload- 82.8%
- Planned Work- 10.9%
- Trees- 0.0%
- Utility Equipment- 2.5%
- Vehicle- 0.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	14.60
10.) 2019 SAIDI	45.84
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18
12.) 2019 SAIFI	0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CYNTHIANA 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - 208 McIlvain Blvd - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0852
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - Main St, N Poplar St, W Pleasant St - NNW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 524
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.3%
- Planned Work- 46.3%
- Trees- 1.9%
- Utility Equipment- 51.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	39.72
10.) 2019 SAIDI	60.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.36
12.) 2019 SAIFI	1.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KAWNEER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - RR 7 Box 729 White Oak Pike - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0856
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - Western Ave, Ladish Rd, Hwy 27 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 436
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/08/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 2.3%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.1%
- Planned Work- 23.5%
- Trees- 11.7%
- Utility Equipment- 59.9%
- Vehicle- 1.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	42.80
10.) 2019 SAIDI	143.40
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.45
12.) 2019 SAIFI	1.50

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEST HICKMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3172 Ashgrove Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0865
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Saron Dr, Tates Creek Rd, Kenesaw Dr - NE of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,287
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/18/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.5%
- Lightning- 48.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 27.1%
- Utility Equipment- 23.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.79
10.) 2019 SAIDI	56.98
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.27
12.) 2019 SAIFI	0.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WARSAW EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Gallatin - 101 Brown St - Warsaw
- 3.) **CIRCUIT NAME AND NUMBER** 0872
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Warsaw - Hwy 42, Riverview Dr, Dorman Ln, - S & E of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 221
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2016

8.) **2019 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)	54.89
10.) 2019 SAIDI	267.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
12.) 2019 SAIFI	1.02

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** BRYANT ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3097 Helmsdale Pl. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0873
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Bryant Rd & I75 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,841
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/22/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 99.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	64.55
10.) 2019 SAIDI	293.41
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.29
12.) 2019 SAIFI	1.08

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARLISLE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nicholas - 104 S Elm St - Carlisle
- 3.) **CIRCUIT NAME AND NUMBER** 0878
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carlisle - Old Paris Rd, Concrete Rd - NW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 189
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/11/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 90.3%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	72.69
10.) 2019 SAIDI	89.52
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2019 SAIFI	1.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARLISLE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nicholas - 104 S Elm St - Carlisle
- 3.) **CIRCUIT NAME AND NUMBER** 0879
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carlisle - City of Carlisle, Hwy 36 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,074
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 1.9%
- Lightning- 32.2%
- Non-Company- 0.0%
- Other/Unknown- 43.4%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 16.9%
- Utility Equipment- 3.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.59
- 10.) **2019 SAIDI** 114.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.97
- 12.) **2019 SAIFI** 0.90
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CYNTHIANA SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - 460 Education Dr - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0880
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - New Lair Rd, Old Lair Rd, Ruddles Mill Pike, & Lake Rd - SE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 218
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/20/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 12.3%
- Construction- 0.0%
- Lightning- 56.8%
- Non-Company- 0.0%
- Other/Unknown- 4.3%
- Overload- 0.0%
- Planned Work- 25.9%
- Trees- 0.0%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	22.00
10.) 2019 SAIDI	63.14
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2019 SAIFI	0.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CYNTHIANA SOUTH
- 2.) **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.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 94.1%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	156.16
10.) 2019 SAIDI	686.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) 2019 SAIFI	1.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 210 Cox Alley - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0902
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Washington St, E 6th, Edgemont Rd - SW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 164
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/06/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 8.6%
- Trees- 88.1%
- Utility Equipment- 1.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	14.56
10.) 2019 SAIDI	36.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.) 2019 SAIFI	0.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE MID
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 314 Lexington St - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0906
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - E Reynolds dr, Elizabeth St, Center St, Union St - E of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 74
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

8.) **2019 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- 50.4%
- Trees- 49.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.80
- 10.) **2019 SAIDI** 18.99
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36
- 12.) **2019 SAIFI** 0.44
- 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** 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** 175
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 49.9%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 46.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 3.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.21
10.) 2019 SAIDI	22.21
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.) 2019 SAIFI	0.37

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 1107 Forest Ave - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0912
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Clark St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 49
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2012

8.) **2019 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- 0.6%
- Trees- 98.9%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	3.94
10.) 2019 SAIDI	12.73
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.45
12.) 2019 SAIFI	2.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 1107 Forest Ave - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0913
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Bryant Ln, Hwy 10, Buckner St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 843
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/12/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 54.9%
- Non-Company- 0.0%
- Other/Unknown- 34.7%
- Overload- 0.0%
- Planned Work- 4.6%
- Trees- 0.7%
- Utility Equipment- 5.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	11.78
10.) 2019 SAIDI	46.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.) 2019 SAIFI	0.52

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BEAVER DAM NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 129 Raines Ave. - Beaver Dam
- 3.) **CIRCUIT NAME AND NUMBER** 0919
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beaver Dam - US Hwy 231 - NE & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 792
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 24.2%
- Construction- 0.0%
- Lightning- 2.6%
- Non-Company- 0.0%
- Other/Unknown- 19.2%
- Overload- 0.0%
- Planned Work- 7.2%
- Trees- 44.0%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	45.86
10.) 2019 SAIDI	59.57
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.55
12.) 2019 SAIFI	0.63

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0920
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Lexington Rd, Duke of York St, Hwy 2515 - S of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 54.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,283
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/18/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 4.5%
- Non-Company- 0.2%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 5.6%
- Trees- 28.1%
- Utility Equipment- 57.4%
- Vehicle- 0.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.77
10.) 2019 SAIDI	48.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2019 SAIFI	1.09

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0921
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - W Maple Leaf Rd, Jersey Ridge Rd - E&NE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 887
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/15/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 72.4%
- Utility Equipment- 0.0%
- Vehicle- 25.8%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	54.26
10.) 2019 SAIDI	149.24
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.78
12.) 2019 SAIFI	1.25

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0922
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Parker Rd, Hwy 10, Martha Comer Dr - W of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 114
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2014

8.) **2019 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- 24.3%
- Trees- 0.0%
- Utility Equipment- 75.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5.90
10.) 2019 SAIDI	8.43
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.09
12.) 2019 SAIFI	0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0923
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Hwy 10, Market Square Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 342
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.1%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 28.7%
- Overload- 0.0%
- Planned Work- 16.1%
- Trees- 0.0%
- Utility Equipment- 30.4%
- Vehicle- 22.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.93
- 10.) **2019 SAIDI** 19.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31
- 12.) **2019 SAIFI** 0.26
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AUGUSTA
- 2.) **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** 282
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/06/2018

8.) **2019 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- 94.4%
- Trees- 5.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.98
- 10.) **2019 SAIDI** 7.99
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2019 SAIFI** 0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHARON
- 2.) **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)** 52.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 606
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 12.6%
- Non-Company- 0.8%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 53.9%
- Utility Equipment- 31.4%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.59
10.) 2019 SAIDI	71.66
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	0.67

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHARON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bracken - 3061 Asbury Rd - Augusta
- 3.) **CIRCUIT NAME AND NUMBER** 0937
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Augusta - Woodward Rd, Clarks Run Rd - S&SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 560
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/01/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 12.6%
- Non-Company- 5.4%
- Other/Unknown- 18.1%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 38.0%
- Utility Equipment- 20.0%
- Vehicle- 1.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.87
10.) 2019 SAIDI	59.18
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.49
12.) 2019 SAIFI	0.84

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PARKERS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2085 Parkers Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0939
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Parkers Mill Rd - SW out of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 62.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,351
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/14/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.9%
- Lightning- 2.7%
- Non-Company- 0.0%
- Other/Unknown- 15.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 56.2%
- Utility Equipment- 24.3%
- Vehicle- 0.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 27.67
- 10.) **2019 SAIDI** 42.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34
- 12.) **2019 SAIFI** 0.21
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BARLOW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ballard - 433 Oscar Rd. - Barlow
- 3.) **CIRCUIT NAME AND NUMBER** 1310
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Barlow - US Hwy 60 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 208
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/29/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.7%
- Construction- 0.0%
- Lightning- 10.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 9.1%
- Trees- 75.7%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	247.15
10.) 2019 SAIDI	273.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.68
12.) 2019 SAIFI	1.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BARLOW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ballard - 433 Oscar Rd. - Barlow
- 3.) **CIRCUIT NAME AND NUMBER** 1312
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Barlow - N 6th St - City of Barlow
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 331
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.7%
- Utility Equipment- 1.1%
- Vehicle- 97.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	85.39
10.) 2019 SAIDI	194.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.29
12.) 2019 SAIFI	0.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORESTDALE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCracken - 4250 Rice Springs Rd - Kevil
- 3.) **CIRCUIT NAME AND NUMBER** 1322
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Kevil - Clarkline Rd, Kevil Rd, Woodville Rd, & Hwy 473 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 602
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 1.5%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.94
- 10.) **2019 SAIDI** 46.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27
- 12.) **2019 SAIFI** 0.20
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WICKLIFFE CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ballard - Mayola Ave - Wickliffe
- 3.) **CIRCUIT NAME AND NUMBER** 1325
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wickliffe - 4th St, Greene St, US 60, & County Farm Rd - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 305
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 98.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 78.76

10.) **2019 SAIDI** 51.56

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

12.) **2019 SAIFI** 0.49

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 501 HWY 189 Bypass - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1328
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - S R 176 & Paradise Rd/St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 972
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/19/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 2.4%
- Other/Unknown- 0.9%
- Overload- 0.1%
- Planned Work- 0.1%
- Trees- 31.9%
- Utility Equipment- 0.2%
- Vehicle- 62.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	121.86
10.) 2019 SAIDI	166.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.27
12.) 2019 SAIFI	1.90

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CABIN
- 2.) **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)** 02/14/2017

8.) **2019 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)** 118.67
- 10.) **2019 SAIDI** 207.18
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.13
- 12.) **2019 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY - KU
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 62 W College St - Clay
- 3.) **CIRCUIT NAME AND NUMBER** 1407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Clay – Main St, Taylor St, & Lisman St- NE & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 433
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/22/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 4.1%
- Non-Company- 60.4%
- Other/Unknown- 29.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 3.7%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.27
- 10.) **2019 SAIDI** 13.12
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2019 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DIXON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 818 S R 1340 - Dixon
- 3.) **CIRCUIT NAME AND NUMBER** 1427
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dixon - City of Dixon, Clay-Dixon Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 459
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 7.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 33.7%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 39.7%
- Trees- 16.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.45
10.) 2019 SAIDI	19.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.) 2019 SAIFI	0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORYDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henderson - 5430 Greenlick Rd - Corydon
- 3.) **CIRCUIT NAME AND NUMBER** 1431
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corydon - City of Corydon - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 443
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 5.7%
- Trees- 10.1%
- Utility Equipment- 83.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.03
10.) 2019 SAIDI	53.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.22
12.) 2019 SAIFI	0.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANITOU
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 7615 Nebo Rd - Nebo
- 3.) **CIRCUIT NAME AND NUMBER** 1450
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nebo - US 41 ALT & City of Nebo & State HWY 1034- W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 274
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 21.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 27.5%
- Utility Equipment- 0.0%
- Vehicle- 46.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	46.39
10.) 2019 SAIDI	122.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.) 2019 SAIFI	1.51

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANITOU
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 7615 Nebo Rd - Nebo
- 3.) **CIRCUIT NAME AND NUMBER** 1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nebo - US 41 ALT & Happy Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 133
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 2.2%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.7%
- Planned Work- 1.3%
- Trees- 0.0%
- Utility Equipment- 93.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.39
- 10.) **2019 SAIDI** 49.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.87
- 12.) **2019 SAIFI** 0.72
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SENTRY
- 2.) **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)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 60
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/26/2013

8.) **2019 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.2%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 30.9%

Overload- 1.3%

Planned Work- 0.0%

Trees- 21.4%

Utility Equipment- 46.2%

Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.47

10.) **2019 SAIDI** 147.62

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

12.) **2019 SAIFI** 0.99

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ZION
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henderson - 7485 HWY 351 - Henderson
- 3.) **CIRCUIT NAME AND NUMBER** 1467
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Henderson - HWY 351, Larue Rd, & Elm St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 115
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 25.6%
- Construction- 0.0%
- Lightning- 11.9%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 27.9%
- Utility Equipment- 34.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5.95
10.) 2019 SAIDI	17.44
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.) 2019 SAIFI	0.12

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

Tree Trim Scheduled for 2020

- 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** 318
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2015

8.) **2019 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- 98.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5.43
10.) 2019 SAIDI	24.18
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.03
12.) 2019 SAIFI	0.12

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** EARLINGTON 12KV
- 2.) **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)** 27.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 251
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/26/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 6.0%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 92.0%
- Utility Equipment- 0.0%
- Vehicle- 0.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	145.79
10.) 2019 SAIDI	233.96
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.37
12.) 2019 SAIFI	1.08

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** EARLINGTON 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 310-A McEuen - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 1478
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Hwy 1337 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 143
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/20/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 4.4%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 0.1%
- Utility Equipment- 95.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.83
- 10.) **2019 SAIDI** 20.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.70
- 12.) **2019 SAIFI** 1.31

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MADISONVILLE EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 300 Central City Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 1484
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Hwy 85 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 24
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2018

8.) **2019 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)	5.21
10.) 2019 SAIDI	8.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.09
12.) 2019 SAIFI	0.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CROFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Christian - 13770 Madisonville Rd - Crofton
- 3.) **CIRCUIT NAME AND NUMBER** 1492
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crofton - City of Crofton, Madisonville Rd - N&S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 466
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/01/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.8%
- Overload- 0.0%
- Planned Work- 45.1%
- Trees- 41.3%
- Utility Equipment- 7.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.65
- 10.) **2019 SAIDI** 25.61
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2019 SAIFI** 1.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PERDUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - S R 2110 - Island
- 3.) **CIRCUIT NAME AND NUMBER** 1498
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Island - Old Island-Livermore Rd & Hwy 138 - NE & NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 23
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/05/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 64.3%
- Non-Company- 0.0%
- Other/Unknown- 35.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	212.85
10.) 2019 SAIDI	406.37
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.03
12.) 2019 SAIFI	1.42

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KUTTAWA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lyon - 3487 Lake Barkley Dr - Kuttawa
- 3.) **CIRCUIT NAME AND NUMBER** 1502
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Kuttawa - Mary Blue Rd, State HWY 93, & US HWY 62 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 129
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/06/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.7%
- Utility Equipment- 96.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	83.18
10.) 2019 SAIDI	152.51
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.63
12.) 2019 SAIFI	1.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EDDYVILLE PRISON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lyon - 328 Water St - Eddyville
- 3.) **CIRCUIT NAME AND NUMBER** 1503
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Eddyville - HWY 93, HWY 1055, Perry Springs Rd, E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 58.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 901
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/28/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.1%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 65.4%
- Utility Equipment- 15.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.13
10.) 2019 SAIDI	88.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) 2019 SAIFI	0.99

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

Reliability Improvements Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** EDDYVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lyon - 1765 S R 3305 - Eddyville
- 3.) **CIRCUIT NAME AND NUMBER** 1506
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Eddyville - City of Eddyville - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,020
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/27/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 6.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 41.4%
- Utility Equipment- 49.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	50.90
10.) 2019 SAIDI	152.69
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.85
12.) 2019 SAIFI	2.50

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** FREDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 150 Wigginton Ln - Fredonia
- 3.) **CIRCUIT NAME AND NUMBER** 1508
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Fredonia - Hwy 651, Loyd Rd, & Crayne Cemetery Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 213
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/06/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 49.5%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 19.3%
- Trees- 10.1%
- Utility Equipment- 19.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.72
10.) 2019 SAIDI	71.65
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) 2019 SAIFI	0.88

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 150 Wigginton Ln - Fredonia
- 3.) **CIRCUIT NAME AND NUMBER** 1509
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Fredonia - Hwy 91, Princeton Fredonia Rd, & Marion Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 190
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/10/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 1.2%
- Non-Company- 57.6%
- Other/Unknown- 15.4%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 19.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	111.11
10.) 2019 SAIDI	232.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.88
12.) 2019 SAIFI	1.74

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CEDAR BLUFF
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 10195 Hopkinsville Rd - Princeton
- 3.) **CIRCUIT NAME AND NUMBER** 1515
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Princeton - Hopkinsville Rd, Sandlick Rd, Hwy 91 - E/NW of Subs
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 81
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/14/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 3.8%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 94.9%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 254.58

10.) **2019 SAIDI** 137.24

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

12.) **2019 SAIFI** 1.12

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CEDAR BLUFF
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 10195 Hopkinsville Rd - Princeton
- 3.) **CIRCUIT NAME AND NUMBER** 1516
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Princeton - No Road - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/14/2017

8.) **2019 OUTAGES BY CAUSE**

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

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 108.80
- 10.) **2019 SAIDI** 14.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2019 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAXTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 1600 Jones-Keeney Rd - Princeton
- 3.) **CIRCUIT NAME AND NUMBER** 1518
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Princeton - Hwy 62, Lewistown Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 146
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/26/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 28.7%
- Non-Company- 0.0%
- Other/Unknown- 3.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 14.2%
- Utility Equipment- 53.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.30
- 10.) **2019 SAIDI** 46.07
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2019 SAIFI** 0.45

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAWSON SPRINGS
- 2.) **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** 496
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 87.6%
- Planned Work- 4.7%
- Trees- 0.7%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.72
- 10.) **2019 SAIDI** 6.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12
- 12.) **2019 SAIFI** 0.17

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SIXTH VEIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 2395 Sixth Vein Rd - Dawson Springs
- 3.) **CIRCUIT NAME AND NUMBER** 1544
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Fergusontown Rd, Hwy 109, Niles Rd & Fox Rd - W & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 336
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 10.5%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 60.4%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 16.9%
- Utility Equipment- 9.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.76
- 10.) **2019 SAIDI** 26.65
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.65
- 12.) **2019 SAIFI** 1.29

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRAHAM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 5230 S R 175 S - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1602
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - Ford Ln, US HWY 62 McNary Rd - SW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 458
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/24/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.1%
- Construction- 0.0%
- Lightning- 2.6%
- Non-Company- 0.0%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 78.5%
- Utility Equipment- 8.7%
- Vehicle- 5.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	60.54
10.) 2019 SAIDI	123.54
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) 2019 SAIFI	0.87

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRAHAM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 5230 S R 175 S - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1603
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - S R 175, Landfill Rd, & S R 70 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 272
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/28/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.3%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.8%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	48.25
10.) 2019 SAIDI	82.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) 2019 SAIFI	0.57

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAVERS CHAPEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 7870 S R 181 N - Bremen
- 3.) **CIRCUIT NAME AND NUMBER** 1609
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bremen - S R 181, Buttermilk Rd, S R 175, & S R 81 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 84.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,640
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/15/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 4.2%
- Non-Company- 0.0%
- Other/Unknown- 7.8%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 71.3%
- Utility Equipment- 13.7%
- Vehicle- 0.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	76.43
10.) 2019 SAIDI	160.65
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.64
12.) 2019 SAIFI	0.83

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** SHAVERS CHAPEL
- 2.) **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)** 44.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 789
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/21/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 17.6%
- Construction- 0.0%
- Lightning- 7.8%
- Non-Company- 0.2%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 12.3%
- Trees- 54.2%
- Utility Equipment- 1.6%
- Vehicle- 3.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 76.40

10.) **2019 SAIDI** 104.58

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

12.) **2019 SAIFI** 0.68

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE 12KV
- 2.) **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** 65
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2019 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)	8.91
10.) 2019 SAIDI	11.23
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18
12.) 2019 SAIFI	0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE WEST
- 2.) **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** 291
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 10.7%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 55.3%
- Trees- 21.5%
- Utility Equipment- 0.0%
- Vehicle- 12.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.65

10.) **2019 SAIDI** 21.25

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

12.) **2019 SAIFI** 0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 117 E Depot St - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1621
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - College St & E Depot St - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 397
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 2.2%
- Overload- 0.0%
- Planned Work- 42.3%
- Trees- 53.8%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	24.87
10.) 2019 SAIDI	74.83
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) 2019 SAIFI	0.43

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 117 E Depot St - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1622
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - W Depot St, N Cherry St, & Short St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 418
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 97.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.5%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	41.44
10.) 2019 SAIDI	142.46
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.36
12.) 2019 SAIFI	1.03

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 117 E Depot St - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1623
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - N Main St & Broad St - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 153
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 8.4%
- Other/Unknown- 81.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 10.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	40.74
10.) 2019 SAIDI	144.25
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.56
12.) 2019 SAIFI	1.20

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** POWDERLY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - Opportunity Way - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1626
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - Main St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 844
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 50.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 43.7%
- Utility Equipment- 2.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	59.27
10.) 2019 SAIDI	85.03
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43
12.) 2019 SAIFI	0.48

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** ISLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - 499 E Main St - Island
- 3.) **CIRCUIT NAME AND NUMBER** 1638
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Island - City of Island, Hwy 85, 1412, & Old Island Rd - W & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 38.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 612
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 0.0%
- Lightning- 0.6%
- Non-Company- 0.0%
- Other/Unknown- 20.8%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 28.8%
- Utility Equipment- 46.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	75.77
10.) 2019 SAIDI	138.40
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.80
12.) 2019 SAIFI	0.96

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** LIVERMORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - 190 Main St - Livermore
- 3.) **CIRCUIT NAME AND NUMBER** 1642
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Livermore - Hill St, Hwy 431, & Comy Dock Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 349
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/22/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 99.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	54.39
10.) 2019 SAIDI	197.86
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43
12.) 2019 SAIFI	1.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LIVERMORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - 190 Main St - Livermore
- 3.) **CIRCUIT NAME AND NUMBER** 1643
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Livermore - Main St, 2nd St, 3rd St, & Broadway St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 422
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/22/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 95.2%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.1%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	141.86
10.) 2019 SAIDI	219.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) 2019 SAIFI	1.06

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTRAL CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 106 Pendleton St - Central City
- 3.) **CIRCUIT NAME AND NUMBER** 1645
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Central City - Hwy 70, S Cherry Hill Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 420
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.0%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 90.9%
- Utility Equipment- 4.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.13
- 10.) **2019 SAIDI** 151.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.46
- 12.) **2019 SAIFI** 1.29

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** CENTRAL CITY SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 500 E Second Ave - Central City
- 3.) **CIRCUIT NAME AND NUMBER** 1650
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Central City - Everly Borthers Blvd, S R 604, US 431 - E of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 777
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.7%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 81.9%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 108.95
- 10.) **2019 SAIDI** 277.33
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.87
- 12.) **2019 SAIFI** 0.75

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** BEECH CREEK 1
- 2.) **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)** 21.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 288
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/08/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 97.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 99.61
- 10.) **2019 SAIDI** 167.69
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
- 12.) **2019 SAIFI** 0.42
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BEECH CREEK 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 169 Beech Creek Browder Rd - Beech Creek
- 3.) **CIRCUIT NAME AND NUMBER** 1671
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beech Creek - Beech Creek Browder Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 99
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.0%
- Overload- 0.0%
- Planned Work- 4.4%
- Trees- 89.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.63
- 10.) **2019 SAIDI** 153.57
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2019 SAIFI** 0.36
- 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** 380
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 69.6%
- Overload- 3.2%
- Planned Work- 0.2%
- Trees- 26.4%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	43.62
10.) 2019 SAIDI	155.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	0.78

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREEN RIVER STEEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Daviess - 4575 US 60 E - Owensboro
- 3.) **CIRCUIT NAME AND NUMBER** 1676
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owensboro - Ellis Smeathers Rd & US 60 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 13
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/19/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 96.9%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 3.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	75.36
10.) 2019 SAIDI	264.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.35
12.) 2019 SAIFI	1.14

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

Continue to Monitor

1.) **SUBSTATION NAME AND NUMBER** CENTERTOWN SOUTH
 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 7526 S R 69 S - Centertown
 3.) **CIRCUIT NAME AND NUMBER** 1683
 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Centertown - City of Centertown - N & E of Substation
 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.6
 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 298
 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

8.) **2019 OUTAGES BY CAUSE**

Animal- 0.7%
 Construction- 0.0%
 Lightning- 0.0%
 Non-Company- 0.0%
 Other/Unknown- 0.4%
 Overload- 0.0%
 Planned Work- 3.0%
 Trees- 94.8%
 Utility Equipment- 1.1%
 Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	12.78
10.) 2019 SAIDI	31.35
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.17
12.) 2019 SAIFI	0.15

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** NELSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 2030 S R 1379 - Central City
- 3.) **CIRCUIT NAME AND NUMBER** 1690
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Central City - S R 1379, US 62, & SR 2590 - NW/S/SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 312
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/20/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 29.6%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 66.8%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	141.45
10.) 2019 SAIDI	287.23
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.88
12.) 2019 SAIFI	1.78

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REED MINERALS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 4661 S R 176 Drakesboro - Drakesboro
- 3.) **CIRCUIT NAME AND NUMBER** 1693
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Drakesboro - S R 176 & P&M Haul Rd - NNE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/30/2009

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 39.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 61.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	123.01
10.) 2019 SAIDI	242.87
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.81
12.) 2019 SAIFI	1.73

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SALEM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Livingston - 266 W Main St - Salem
- 3.) **CIRCUIT NAME AND NUMBER** 1704
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Salem - Hayden Ave, Hwy 723, & Jayna Ln - NE/SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 302
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 8.5%
- Construction- 0.0%
- Lightning- 15.3%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 18.5%
- Utility Equipment- 56.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.69
- 10.) **2019 SAIDI** 70.27
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54
- 12.) **2019 SAIFI** 0.30
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MEXICO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Crittenden - 2747 S R 70 - Crayne
- 3.) **CIRCUIT NAME AND NUMBER** 1708
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crayne - S R 70 & Ken Spar - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 119
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 49.4%
- 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- 50.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 2.06
- 10.) **2019 SAIDI** 1.98
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.02
- 12.) **2019 SAIFI** 0.02

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MEXICO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Crittenden - 2747 S R 70 - Crayne
- 3.) **CIRCUIT NAME AND NUMBER** 1709
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crayne - S R 70 & Marion Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 123
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 99.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.43
10.) 2019 SAIDI	140.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.30
12.) 2019 SAIFI	1.01

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)** 11.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 348
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 96.3%
- Overload- 2.0%
- Planned Work- 0.0%
- Trees- 1.7%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.95
10.) 2019 SAIDI	46.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25
12.) 2019 SAIFI	0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SUNOCO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 2823 S R 130 S - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1731
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - S R 130 & Adamson Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 185
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/20/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 14.3%
- Construction- 0.0%
- Lightning- 61.5%
- Non-Company- 0.0%
- Other/Unknown- 3.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 6.3%
- Utility Equipment- 14.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.15
- 10.) **2019 SAIDI** 19.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16
- 12.) **2019 SAIFI** 0.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SUNOCO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 2823 S R 130 S - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1732
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - S R 130 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 31
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/20/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 26.8%
- Trees- 68.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.19
10.) 2019 SAIDI	103.96
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) 2019 SAIFI	0.48

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** UNIONTOWN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 5668 S R 130 N - Uniontown
- 3.) **CIRCUIT NAME AND NUMBER** 1742
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Uniontown - City of Uniontown, S R 130, & KY 268 - NW & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 627
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/15/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 98.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	71.36
10.) 2019 SAIDI	325.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.35
12.) 2019 SAIFI	1.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** UNIONTOWN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 5668 S R 130 N - Uniontown
- 3.) **CIRCUIT NAME AND NUMBER** 1743
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Uniontown - SR 360, Madison St, Adams St, & Hwy 268 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 146
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/14/2019

8.) **2019 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)	9.79
10.) 2019 SAIDI	45.90
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.22
12.) 2019 SAIFI	1.00

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** 1751
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - Hwy 60, Jim Veatch Rd, & Townsend St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 445
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/24/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 61.6%
- Other/Unknown- 0.0%
- Overload- 25.3%
- Planned Work- 6.1%
- Trees- 7.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.62
- 10.) **2019 SAIDI** 12.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2019 SAIFI** 0.08

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** 1761
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - Hwy 60 E - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 39
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/09/2015

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.61
10.) 2019 SAIDI	19.35
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.) 2019 SAIFI	0.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANNINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Christian - 2535 Mannington Loop - Mannington
- 3.) **CIRCUIT NAME AND NUMBER** 1801
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mannington - HWY 407 & US 41- E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/14/2018

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	56.70
10.) 2019 SAIDI	117.92
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.73
12.) 2019 SAIFI	1.44

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANNINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Christian - 2535 Mannington Loop - Mannington
- 3.) **CIRCUIT NAME AND NUMBER** 1802
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mannington - HWY 407, Daniel Boone Rd, & Possum Pocket Rd- NW & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 149
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/19/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 26.7%
- Non-Company- 0.0%
- Other/Unknown- 72.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	95.98
10.) 2019 SAIDI	97.79
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.04
12.) 2019 SAIFI	0.81

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BORG-WARNER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 1000 Island Ford Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 1805
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - - SSE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 10
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Trimming Necessary

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 61.6%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 38.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	59.32
10.) 2019 SAIDI	243.24
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	1.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BORG-WARNER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 1000 Island Ford Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 1806
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville -- W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Trimming Necessary

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.59
10.) 2019 SAIDI	52.95
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2019 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ECHOLS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 5590 S R 1245 - Rockport
- 3.) **CIRCUIT NAME AND NUMBER** 1903
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Rockport - Hwy 1245, Hwy 62, & City of Rockport - NW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 322
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/05/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 82.0%
- Utility Equipment- 0.2%
- Vehicle- 15.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	144.83
10.) 2019 SAIDI	583.04
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.69
12.) 2019 SAIFI	2.01

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** RIVERVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 25 Riverview Rd - McHenry
- 3.) **CIRCUIT NAME AND NUMBER** 1907
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** McHenry - Watts Rd, City of McHenry, & HWY 62 - E & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 514
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 1.6%
- Other/Unknown- 3.9%
- Overload- 3.9%
- Planned Work- 0.1%
- Trees- 6.3%
- Utility Equipment- 0.0%
- Vehicle- 83.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.80
10.) 2019 SAIDI	106.03
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.41
12.) 2019 SAIFI	1.21

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** 1912
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hartford - HWY 69, Frederica St, & Mulberry Ct- NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 489
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 32.7%
- Construction- 0.0%
- Lightning- 1.3%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 65.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	87.01
10.) 2019 SAIDI	186.84
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.58
12.) 2019 SAIFI	1.14

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)** 9.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 577
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 64.8%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 30.3%
- Utility Equipment- 3.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.81
- 10.) **2019 SAIDI** 79.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52
- 12.) **2019 SAIFI** 0.27
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BEAVER DAM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 310 Ridgecrest Dr. - Beaver Dam
- 3.) **CIRCUIT NAME AND NUMBER** 1914
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beaver Dam - Ridge Crest Rd & US Hwy 62 - City of Beaver Dam
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 524
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/02/2013

8.) **2019 OUTAGES BY CAUSE**

- Animal- 9.0%
- Construction- 0.0%
- Lightning- 32.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 31.1%
- Utility Equipment- 27.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	19.19
10.) 2019 SAIDI	20.37
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18
12.) 2019 SAIFI	0.23

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ATOKA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 20 Parksville Cross Pike - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Perryville - City of Perryville & Perryville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 586
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/11/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.2%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.2%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 34.3%
- Utility Equipment- 7.4%
- Vehicle- 42.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.23
10.) 2019 SAIDI	45.73
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.29
12.) 2019 SAIFI	0.42

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	BRODHEAD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Rockcastle - 77 Cass St. - Brodhead	
3.) CIRCUIT NAME AND NUMBER	2103	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Brodhead - Hwy 1505, City of Brodhead, & Hwy 150 - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	21.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	774	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/09/2015	
8.) 2019 OUTAGES BY CAUSE		
	Animal- 59.7%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.3%	
	Overload- 0.0%	
	Planned Work- 12.2%	
	Trees- 25.8%	
	Utility Equipment- 2.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		178.76
10.) 2019 SAIDI		165.60
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.01
12.) 2019 SAIFI		1.61
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Reliability Improvements Completed in 2019	

- 1.) **SUBSTATION NAME AND NUMBER** BUENA VISTA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 164 High Bridge Rd. - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Rock Quarry Rd, Lexington Rd, & US 27 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 315
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/21/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 97.7%
- Utility Equipment- 2.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	90.43
10.) 2019 SAIDI	316.40
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.56
12.) 2019 SAIFI	1.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRAB ORCHARD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lincoln - 635 KY HWY 39 N - Crab Orchard
- 3.) **CIRCUIT NAME AND NUMBER** 2107
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crab Orchard - City of Crab Orchard - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 484
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.1%
- Overload- 0.0%
- Planned Work- 7.8%
- Trees- 45.5%
- Utility Equipment- 21.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.81
- 10.) **2019 SAIDI** 20.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 12.) **2019 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRAB ORCHARD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lincoln - 635 KY HWY 39 N - Crab Orchard
- 3.) **CIRCUIT NAME AND NUMBER** 2108
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crab Orchard - KY 39 - NNW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 125
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

8.) **2019 OUTAGES BY CAUSE**

- Animal- 23.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 74.6%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	50.70
10.) 2019 SAIDI	81.35
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) 2019 SAIFI	1.38

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2110
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - S 3rd St, MLK Blvd, & E Walnut St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 139
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/02/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 8.8%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.1%
- Overload- 0.0%
- Planned Work- 78.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.54
- 10.) **2019 SAIDI** 7.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2019 SAIFI** 0.09

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** 345
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2019 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- 69.6%
- Trees- 30.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.57
10.) 2019 SAIDI	26.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.09
12.) 2019 SAIFI	0.13

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

Tree Trim Scheduled for 2020

- 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)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 168
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/20/2016

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.43
10.) 2019 SAIDI	32.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.17
12.) 2019 SAIFI	0.21

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE E 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 805 East Dr - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2114
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Hill N Dale St, Lexington St, Shakertown Rd, & 4th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,795
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/09/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.1%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 0.1%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 82.9%
- Utility Equipment- 9.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	54.55
10.) 2019 SAIDI	109.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.63
12.) 2019 SAIFI	1.42

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

Tree Trim Scheduled for 2020

- 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** 216
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/11/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 86.0%
- Overload- 0.0%
- Planned Work- 9.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.87
- 10.) **2019 SAIDI** 5.42
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2019 SAIFI** 1.07

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.) **2019 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 54.4%
- Overload- 0.0%
- Planned Work- 43.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	44.62
10.) 2019 SAIDI	136.34
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) 2019 SAIFI	1.56

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** 2122
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Crosses S Danville Bypass - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2011

8.) **2019 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)	0.73
10.) 2019 SAIDI	3.66
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07
12.) 2019 SAIFI	0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 514 N Danville Bypass - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2125
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Danville Byp, Perryville Rd & Gallant Fox - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 222
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/20/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 99.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.16
10.) 2019 SAIDI	49.14
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.09
12.) 2019 SAIFI	0.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 2 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 709 E Office St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2128
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - E Office St & Beaumont Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 441
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2016

8.) **2019 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- 15.4%
- Trees- 0.0%
- Utility Equipment- 84.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.32
- 10.) **2019 SAIDI** 8.01
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05
- 12.) **2019 SAIFI** 0.05
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 2 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 709 E Office St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2130
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Beaumont Ave, S College St, & Perryville St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,090
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/08/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 10.7%
- Construction- 0.0%
- Lightning- 3.6%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 63.6%
- Trees- 8.9%
- Utility Equipment- 13.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.84
- 10.) **2019 SAIDI** 20.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22
- 12.) **2019 SAIFI** 0.32

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** 2132
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Louisville Rd, Virginia Ave, & Sleepy Hollow Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 700
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.1%
- Overload- 20.0%
- Planned Work- 11.2%
- Trees- 0.0%
- Utility Equipment- 49.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.94
10.) 2019 SAIDI	42.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.) 2019 SAIFI	0.65

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** 952
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.0%
- Non-Company- 3.9%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 14.3%
- Trees- 0.0%
- Utility Equipment- 2.7%
- Vehicle- 76.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.45
10.) 2019 SAIDI	48.44
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) 2019 SAIFI	1.15

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER LANCASTER 1
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Garrard - 104 Hamilton Ave - Lancaster
3.) CIRCUIT NAME AND NUMBER 2140
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lancaster - Danville St, Campbell St, & Waterworks Rd - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES) 16.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT 849
7.) DATE OF LAST CIRCUIT TRIM (VM) 12/09/2017

8.) 2019 OUTAGES BY CAUSE

Animal- 0.0%
Construction- 0.0%
Lightning- 0.0%
Non-Company- 0.0%
Other/Unknown- 7.3%
Overload- 41.0%
Planned Work- 16.8%
Trees- 1.5%
Utility Equipment- 7.3%
Vehicle- 26.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.41
10.) 2019 SAIDI	9.27
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07
12.) 2019 SAIFI	0.11
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANCASTER 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 104 Hamilton Ave - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2141
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Richmond St, Cowden Ct, & Hamilton Ave - N/E/SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 357
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2018

8.) **2019 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- 95.9%
- Trees- 0.0%
- Utility Equipment- 3.1%
- Vehicle- 1.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.36
10.) 2019 SAIDI	18.06
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.30
12.) 2019 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** 2145
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Vernon - W Main St & N Hwy 461 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 247
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/18/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 11.7%
- Construction- 0.0%
- Lightning- 55.1%
- Non-Company- 0.0%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 6.7%
- Trees- 18.9%
- Utility Equipment- 4.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.98
- 10.) **2019 SAIDI** 16.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12
- 12.) **2019 SAIFI** 0.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINE HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rockcastle - 501 Flat Rock Rd - Mt. Vernon
- 3.) **CIRCUIT NAME AND NUMBER** 2147
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Vernon - S Wilderness Rd, Main St (Livingston) - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 379
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/16/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.9%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 71.4%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 22.8%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	283.32
10.) 2019 SAIDI	425.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.71
12.) 2019 SAIFI	3.10

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)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 80
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 54.3%
- Utility Equipment- 42.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 234.07
- 10.) **2019 SAIDI** 191.07
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.21
- 12.) **2019 SAIFI** 1.43

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

Tree Trim Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** SHAKERTOWN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 3499 Lexington Rd - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2151
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Shakertown Rd, HWY 342, & Handy Pike - S of the Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 303
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/28/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 34.0%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 1.8%
- Utility Equipment- 0.2%
- Vehicle- 61.8%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.51
- 10.) **2019 SAIDI** 87.01
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90
- 12.) **2019 SAIFI** 1.25

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	SHAKERTOWN	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Mercer - 3499 Lexington Rd - Harrodsburg	
3.) CIRCUIT NAME AND NUMBER	2152	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Harrodsburg - Lexington Rd & Sexton Rd - SW of the Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	12.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	72	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/28/2017	
8.) 2019 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	2.7%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.7%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	5.5%
	Utility Equipment-	91.2%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		67.74
10.) 2019 SAIDI		129.44
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.63
12.) 2019 SAIFI		0.46
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)** 0.0

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 10

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2018

8.) **2019 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)	26.61
10.) 2019 SAIDI	37.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.72
12.) 2019 SAIFI	0.10

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 101 Old Greensburg Rd. - Campbellsville

3.) **CIRCUIT NAME AND NUMBER** 2205

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Campbellsville - HWY 3350 Bypass - N of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.1

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,177

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2014

8.) **2019 OUTAGES BY CAUSE**

Animal- 4.5%

Construction- 0.0%

Lightning- 20.2%

Non-Company- 1.3%

Other/Unknown- 5.5%

Overload- 0.0%

Planned Work- 33.6%

Trees- 3.0%

Utility Equipment- 24.7%

Vehicle- 7.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	27.34
10.) 2019 SAIDI	36.06
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.40
12.) 2019 SAIFI	0.69

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLUMBIA SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Adair - 1139 Gaston Ave - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 2208
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - KY 80, Jamestown Rd, & Wright Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 328
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/15/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.5%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 0.4%
- Utility Equipment- 95.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	62.44
10.) 2019 SAIDI	88.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.56
12.) 2019 SAIFI	1.05

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLUMBIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Adair - 114 Lindsey Wilson St - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 2211
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - Burkesville Rd & Greensburg St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 455
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/03/2014

8.) **2019 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- 1.2%
- Trees- 98.5%
- Utility Equipment- 0.0%
- Vehicle- 0.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	62.05
10.) 2019 SAIDI	91.42
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.50
12.) 2019 SAIFI	1.06

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** 2214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greensburg - Buckner Hill Rd, Hawthorne Rd, HWY 1464, & HWY 88 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 210
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/01/2009

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.4%
- Overload- 0.0%
- Planned Work- 40.1%
- Trees- 6.3%
- Utility Equipment- 42.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.41
- 10.) **2019 SAIDI** 10.20
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2019 SAIFI** 0.22

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEBANON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Marion - 351 E Water St - Lebanon
- 3.) **CIRCUIT NAME AND NUMBER** 2215
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lebanon - E Main St, Woodlawn Ave, Harrison Ave, & Highland Dr - S/SE/E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 332
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 37.4%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 2.3%
- Overload- 0.0%
- Planned Work- 47.0%
- Trees- 0.0%
- Utility Equipment- 10.7%
- Vehicle- 2.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.79
10.) 2019 SAIDI	29.57
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.39
12.) 2019 SAIFI	1.21

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

Continue to Monitor

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Marion - 1157 Bradfordsville - Bradfordsville

3.) **CIRCUIT NAME AND NUMBER** 2220

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lebanon - Metts Dr, Hill Creek Rd, & Hamilton Hts - W of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 160

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2015

8.) **2019 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 4.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 18.4%

Overload- 0.0%

Planned Work- 63.0%

Trees- 14.6%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	14.83
10.) 2019 SAIDI	18.68
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.17
12.) 2019 SAIFI	0.17

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** 2221
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Russell Springs - Old Columbia Rd & Providence Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 137
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.4%
- Planned Work- 1.9%
- Trees- 91.7%
- Utility Equipment- 1.2%
- Vehicle- 4.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	39.93
10.) 2019 SAIDI	115.77
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.34
12.) 2019 SAIFI	1.17

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** 2223
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Russell Springs - Gran Von Hale Ave, Lakeway Dr, & US 127 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 444
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.4%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 95.6%
- Overload- 0.0%
- Planned Work- 2.7%
- Trees- 0.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	78.93
10.) 2019 SAIDI	185.18
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.61
12.) 2019 SAIFI	1.42

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** 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** 184
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/01/2013

8.) **2019 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- 18.2%
- Trees- 0.8%
- Utility Equipment- 71.6%
- Vehicle- 9.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 195.45
- 10.) **2019 SAIDI** 146.11
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.92
- 12.) **2019 SAIFI** 1.16

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WOODLAWN
- 2.) **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)** 10/13/2018

8.) **2019 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- 1.9%
- Trees- 0.0%
- Utility Equipment- 98.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.65
- 10.) **2019 SAIDI** 67.09
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56
- 12.) **2019 SAIFI** 0.73

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 315 Clay Dr - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2237
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Westover Ave, Tates Creek Rd, S Keeneland Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 653
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/31/2019

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 22.6%
- Trees- 0.0%
- Utility Equipment- 76.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	20.83
10.) 2019 SAIDI	28.57
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18
12.) 2019 SAIFI	0.25

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** IRVINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Estill - 83 River Dr - Irvine
- 3.) **CIRCUIT NAME AND NUMBER** 2303
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Irvine - River Dr, Broadway Ave, & KY 89 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 895
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/30/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 14.9%
- Trees- 3.2%
- Utility Equipment- 79.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 155.85
- 10.) **2019 SAIDI** 135.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.04
- 12.) **2019 SAIFI** 1.41

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PAINT LICK
- 2.) **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)** 17.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 303
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/03/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 2.4%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 2.0%
- Utility Equipment- 93.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	97.95
10.) 2019 SAIDI	156.48
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.64
12.) 2019 SAIFI	1.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PAINT LICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 11811 HWY 52 E - Paint Lick
- 3.) **CIRCUIT NAME AND NUMBER** 2310
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Paint Lick - HWY 52, White Lick Rd, & Noe Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 138
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/20/2015

8.) **2019 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- 0.2%
- Trees- 0.0%
- Utility Equipment- 98.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	138.39
10.) 2019 SAIDI	145.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.73
12.) 2019 SAIFI	1.04

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND 4
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 771 Eastern Bypass - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2317
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - 0.00 miles - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/07/2009

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.37
10.) 2019 SAIDI	86.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2019 SAIFI	1.00

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.) **2019 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)	3.12
10.)	2019 SAIDI	3.97
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.02
12.)	2019 SAIFI	0.05

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** 2323
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - S Killarney Dr, Barnes Mill Rd, & Martin Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 661
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 3.9%
- Other/Unknown- 61.4%
- Overload- 0.0%
- Planned Work- 4.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 30.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.49
10.) 2019 SAIDI	24.73
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.16
12.) 2019 SAIFI	0.31

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

Continue to Monitor

- 1.) SUBSTATION NAME AND NUMBER RICHMOND 1
- 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison - 315 Clay Dr - Richmond
- 3.) CIRCUIT NAME AND NUMBER 2326
- 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Richmond - Third St, New Richmond Byp, & Red House Rd - N of Substation
- 5.) TOTAL CIRCUIT LENGTH (MILES) 23.2
- 6.) CUSTOMER COUNT FOR THIS CIRCUIT 967
- 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/16/2014

8.) 2019 OUTAGES BY CAUSE

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 69.9%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 19.2%
- Utility Equipment- 0.2%
- Vehicle- 5.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	55.32
10.) 2019 SAIDI	108.64
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.39
12.) 2019 SAIFI	0.54

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 315 Clay Dr - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2329
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Sunset Ave, Barnes Mill Rd, & Kirksville Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,382
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.9%
- Other/Unknown- 36.2%
- Overload- 22.1%
- Planned Work- 2.3%
- Trees- 38.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	81.46
10.) 2019 SAIDI	143.31
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.90
12.) 2019 SAIFI	1.99

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)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 68
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2016

8.) **2019 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- 57.3%
- Trees- 34.0%
- Utility Equipment- 8.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	11.88
10.) 2019 SAIDI	11.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.09
12.) 2019 SAIFI	0.10

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** 2332
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Leitchfield Rd, Blackbranch Rd, & Nicholas St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 861
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 10.3%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 85.2%
- Trees- 0.0%
- Utility Equipment- 4.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	14.10
10.) 2019 SAIDI	19.56
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.) 2019 SAIFI	0.15

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NEW HAVEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nelson - 256 Lyons Station Rd - New Haven
- 3.) **CIRCUIT NAME AND NUMBER** 2333
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Haven - Center St, First St, & Depot St - SE of substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 150
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/26/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 65.1%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 34.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5.39
10.) 2019 SAIDI	11.65
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.10
12.) 2019 SAIFI	0.26

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** 2334
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Radcliff - Rineyville Big Springs Rd & Rineyville Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 738
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/20/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.4%
- Construction- 0.3%
- Lightning- 27.1%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 2.3%
- Utility Equipment- 22.4%
- Vehicle- 36.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.48
- 10.) **2019 SAIDI** 37.80
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2019 SAIFI** 0.39

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

Reliability Improvements Completed in 2019

- 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)** 29.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 342
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/11/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 49.9%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 3.5%
- Utility Equipment- 43.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	77.34
10.) 2019 SAIDI	94.34
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43
12.) 2019 SAIFI	0.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLARKSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 405 Peonia Rd - Clarkson
- 3.) **CIRCUIT NAME AND NUMBER** 2404
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Clarkson - City of Clarkson - N/S/E/W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 589
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 63.3%
- Non-Company- 5.5%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 21.6%
- Trees- 8.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.22

10.) **2019 SAIDI** 21.84

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

12.) **2019 SAIFI** 0.28

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLARKSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 405 Peonia Rd - Clarkson
- 3.) **CIRCUIT NAME AND NUMBER** 2405
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Leitchfield - Farmview Ln, Hwy 3155, & Grayson Springs Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 133
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 8.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 88.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.59

10.) **2019 SAIDI** 7.05

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

12.) **2019 SAIFI** 0.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EASTVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 12540 Sonora - Hardin Springs
- 3.) **CIRCUIT NAME AND NUMBER** 2406
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - Hwy 62, KY 1375, & Church Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 374
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/02/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 32.5%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 65.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	117.98
10.) 2019 SAIDI	199.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.09
12.) 2019 SAIFI	1.41

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

Reliability Improvements Completed in 2019

- 1.) **SUBSTATION NAME AND NUMBER** EASTVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 12540 Sonora - Hardin Springs
- 3.) **CIRCUIT NAME AND NUMBER** 2407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - KY 84, Main St, & White Mills Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 269
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/09/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 23.8%
- Overload- 0.0%
- Planned Work- 74.6%
- Trees- 0.0%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	40.07
10.) 2019 SAIDI	90.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.) 2019 SAIFI	0.45

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** 2413
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Long Ave, Saint John Rd, & College Street Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 891
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/10/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 11.0%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 52.6%
- Overload- 0.0%
- Planned Work- 25.5%
- Trees- 10.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.08
10.) 2019 SAIDI	37.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.32
12.) 2019 SAIFI	0.42

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1011 Woodland Dr - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2414
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Woodland Dr, Ring Rd, & N Dixie HWY - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,326
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 30.4%
- Non-Company- 0.0%
- Other/Unknown- 29.0%
- Overload- 0.0%
- Planned Work- 21.9%
- Trees- 14.4%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	28.04
10.) 2019 SAIDI	35.25
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.50
12.) 2019 SAIFI	0.53

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1011 Woodland Dr - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2415
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Woodland Dr, Saint John Rd, & Westport Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 550
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 12.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.3%
- Overload- 0.0%
- Planned Work- 36.0%
- Trees- 35.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.97
- 10.) **2019 SAIDI** 22.95
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2019 SAIFI** 0.31
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 4
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 201 Sportsman Lake Rd - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Dixie Hwy, New Glendale Rd, & Nicholas St - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 517
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/24/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 4.4%
- Trees- 0.1%
- Utility Equipment- 39.0%
- Vehicle- 54.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	24.46
10.) 2019 SAIDI	86.01
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.19
12.) 2019 SAIFI	0.66

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 4
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 201 Sportsman Lake Rd - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 17.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,224
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/15/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.1%
- Lightning- 6.6%
- Non-Company- 0.0%
- Other/Unknown- 65.6%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 0.3%
- Utility Equipment- 1.7%
- Vehicle- 21.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	68.12
10.) 2019 SAIDI	162.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.86
12.) 2019 SAIFI	2.27

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 5
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 800 N Mulberry St - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2424
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Joan Ave, McCullum Ave, & Bellwood Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 571
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/01/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 10.1%
- Construction- 0.0%
- Lightning- 36.3%
- Non-Company- 0.0%
- Other/Unknown- 5.8%
- Overload- 0.0%
- Planned Work- 46.5%
- Trees- 1.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	35.21
10.) 2019 SAIDI	50.02
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.37
12.) 2019 SAIFI	0.53

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.) **2019 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)	13.01
10.) 2019 SAIDI	22.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2019 SAIFI	0.33

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** 2427
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Peterson Dr, Geoargetown Rd, & Leitchfield Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 261
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 10.5%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 83.2%
- Trees- 0.0%
- Utility Equipment- 5.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.49
10.) 2019 SAIDI	169.69
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) 2019 SAIFI	0.82

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HODGENVILLE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Larue - 500 W High Ave - Hodgenville
- 3.) **CIRCUIT NAME AND NUMBER** 2429
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hodgenville - Tonieville Rd, N Lincoln Blvd, & Phillips Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 369
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/17/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 11.8%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 85.0%
- Trees- 0.0%
- Utility Equipment- 3.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.56
- 10.) **2019 SAIDI** 7.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.10
- 12.) **2019 SAIFI** 0.10

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HODGENVILLE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Larue - 500 W High Ave - Hodgenville
- 3.) **CIRCUIT NAME AND NUMBER** 2430
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hodgenville - S Lincoln Blvd/Hwy 61, Greensburg Rd, & L & N Tpke - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,488
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/01/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.2%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 83.7%
- Overload- 0.0%
- Planned Work- 3.7%
- Trees- 4.7%
- Utility Equipment- 0.8%
- Vehicle- 6.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.09
10.) 2019 SAIDI	59.03
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.37
12.) 2019 SAIFI	0.36

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** 2433
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Horse Cave - W Main St, KY 335, New St, US 31 - N & NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 887
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/10/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 5.4%
- Construction- 0.1%
- Lightning- 33.3%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 46.3%
- Trees- 11.8%
- Utility Equipment- 2.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.15
10.) 2019 SAIDI	30.69
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) 2019 SAIFI	0.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEITCHFIELD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 205 Mulberry St - Leitchfield
- 3.) **CIRCUIT NAME AND NUMBER** 2439
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Leitchfield - Conklin St, Floyd St, Brandenburg Rd, & Lilac Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 650
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/02/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 6.8%
- Other/Unknown- 6.3%
- Overload- 0.0%
- Planned Work- 10.3%
- Trees- 0.0%
- Utility Equipment- 48.1%
- Vehicle- 28.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	27.43
10.) 2019 SAIDI	28.25
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.30
12.) 2019 SAIFI	0.35

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILLWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 6649 Beaver Dam Rd - Millwood
- 3.) **CIRCUIT NAME AND NUMBER** 2440
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Caneyville - US 62, Hwy 79, & River Park Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 412
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/27/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 5.0%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 86.8%
- Utility Equipment- 5.2%
- Vehicle- 0.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.40
10.) 2019 SAIDI	102.13
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) 2019 SAIFI	0.93

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NEW HAVEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nelson - 256 Lyons Station Rd - New Haven
- 3.) **CIRCUIT NAME AND NUMBER** 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)** 24.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 571
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 67.1%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 0.3%
- Utility Equipment- 0.0%
- Vehicle- 31.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	67.57
10.) 2019 SAIDI	100.49
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.70
12.) 2019 SAIFI	0.71

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NEW HAVEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nelson - 256 Lyons Station Rd - New Haven
- 3.) **CIRCUIT NAME AND NUMBER** 2445
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Haven - KY 52, Clark Rd, & Lyons Station Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 197
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.1%
- Lightning- 1.1%
- Non-Company- 43.5%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 0.1%
- Utility Equipment- 54.3%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	164.15
10.) 2019 SAIDI	434.68
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.09
12.) 2019 SAIFI	3.13

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** NEW HAVEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nelson - 256 Lyons Station Rd - New Haven
- 3.) **CIRCUIT NAME AND NUMBER** 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** 50
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 7.3%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.6%
- Trees- 21.8%
- Utility Equipment- 64.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	71.80
10.) 2019 SAIDI	116.10
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) 2019 SAIFI	0.92

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RADCLIFF
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 677 N Wilson Rd - Radcliff
- 3.) **CIRCUIT NAME AND NUMBER** 2447
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Radcliff - N Dixie Blvd, E Lincoln Trail, & New St - SE/E/NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 747
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/04/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 62.8%
- Construction- 0.0%
- Lightning- 22.4%
- Non-Company- 0.0%
- Other/Unknown- 0.9%
- Overload- 0.0%
- Planned Work- 10.5%
- Trees- 0.6%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	12.56
10.) 2019 SAIDI	25.98
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) 2019 SAIFI	0.42

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RADCLIFF
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 677 N Wilson Rd - Radcliff
- 3.) **CIRCUIT NAME AND NUMBER** 2449
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Radcliff - Hill St, Northern Rd, Preston St, Woodland Dr, & Lincoln Trail - NW & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 539
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/29/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.9%
- Overload- 0.0%
- Planned Work- 76.2%
- Trees- 0.1%
- Utility Equipment- 17.7%
- Vehicle- 3.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	65.70
10.) 2019 SAIDI	146.26
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.76
12.) 2019 SAIFI	1.24

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)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 160
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 99.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 578.26
- 10.) **2019 SAIDI** 567.84
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.27
- 12.) **2019 SAIFI** 2.70

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

Reliability Improvements Scheduled for 2020

- 1.) **SUBSTATION NAME AND NUMBER** RIO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 301 Glen Lily Rd E - Munfordville
- 3.) **CIRCUIT NAME AND NUMBER** 2451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Munfordville - E US 31, S Jackson HWY & J McGuire Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 251
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 15.7%
- Trees- 57.5%
- Utility Equipment- 26.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.07
10.) 2019 SAIDI	74.34
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.27
12.) 2019 SAIFI	0.74

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

Tree Trim Scheduled for 2020

- 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** 285
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/19/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 79.0%
- Overload- 0.0%
- Planned Work- 21.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.30
- 10.) **2019 SAIDI** 13.88
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57
- 12.) **2019 SAIFI** 1.04

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** 192
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/24/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 87.3%
- Overload- 0.0%
- Planned Work- 11.1%
- Trees- 0.0%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.07
10.) 2019 SAIDI	58.91
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.27
12.) 2019 SAIFI	0.68

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SONORA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1340 Old Sonora Rd - Sonora
- 3.) **CIRCUIT NAME AND NUMBER** 2458
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - Maple St, US 31, & City of Upton - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 493
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/10/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 6.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 0.0%
- Utility Equipment- 5.0%
- Vehicle- 86.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	68.99
10.) 2019 SAIDI	83.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.) 2019 SAIFI	0.46
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** 2459
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Vine Grove - Park St, Edgebrook Dr, Brown St, & 1st St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 532
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 88.4%
- Utility Equipment- 10.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	23.41
10.) 2019 SAIDI	77.46
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) 2019 SAIFI	1.13

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

Tree Trim Scheduled for 2020

- 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** 15
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2016

8.) **2019 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)	8.48
10.) 2019 SAIDI	32.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.04
12.) 2019 SAIFI	0.13

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** 6
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 46.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 53.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.91
10.) 2019 SAIDI	53.69
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43
12.) 2019 SAIFI	0.33

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** 2464
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - N Black Branch Rd & Enterprise Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 18
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/29/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 77.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 22.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.73
10.) 2019 SAIDI	14.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.12
12.) 2019 SAIFI	0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HORSE CAVE 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.) **2019 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)	34.03
10.) 2019 SAIDI	39.86
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) 2019 SAIFI	0.33

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HORSE CAVE INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 400 Cherry St - Horse Cave
- 3.) **CIRCUIT NAME AND NUMBER** 2474
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Horse Cave - Butler Rd & Top Quality Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2008

8.) **2019 OUTAGES BY CAUSE**

- Animal- 29.6%
- Construction- 0.0%
- Lightning- 12.2%
- Non-Company- 0.0%
- Other/Unknown- 36.4%
- Overload- 0.0%
- Planned Work- 4.9%
- Trees- 0.0%
- Utility Equipment- 16.9%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.31
10.) 2019 SAIDI	33.05
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.24
12.) 2019 SAIFI	0.36

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FINCHVILLE 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Shelby - 198 Parent Ln - Finchville
- 3.) **CIRCUIT NAME AND NUMBER** 2504
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Hwy 55, Buck Creek Rd, & Finchville Rd - NE & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 513
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 16.4%
- Utility Equipment- 0.2%
- Vehicle- 80.8%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	98.24
10.) 2019 SAIDI	140.98
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60
12.) 2019 SAIFI	1.20

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** 2509
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - Grange Dr, Hwy 53, & Hwy 22 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 68.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,945
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2012

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 65.7%
- Utility Equipment- 26.7%
- Vehicle- 3.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.67
10.) 2019 SAIDI	48.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) 2019 SAIFI	0.34

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LA GRANGE E 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 1810 E Highway 146 - La Grange
- 3.) **CIRCUIT NAME AND NUMBER** 2510
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - Jefferson St, Jericho Rd, & Walnut Aly - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 720
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.4%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 93.1%
- Utility Equipment- 5.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	12.56
10.) 2019 SAIDI	41.79
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.) 2019 SAIFI	0.37

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

Tree Trim Scheduled for 2020

- 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** 1,281
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/13/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 4.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 7.6%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 17.4%
- Utility Equipment- 70.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.02
- 10.) **2019 SAIDI** 21.67
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16
- 12.) **2019 SAIFI** 0.11

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAGRANGE PENAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 3011 W Highway 146 - La Grange
- 3.) **CIRCUIT NAME AND NUMBER** 2514
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - Dawkins Rd & Fendley Mill Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 164
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/30/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 97.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	45.44
10.) 2019 SAIDI	218.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2019 SAIFI	2.07

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	LAWRENCEBURG 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Anderson - 108 E Broadway st - Lawrenceburg
3.) CIRCUIT NAME AND NUMBER	2516
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lawrenceburg - Main St - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	38.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,378
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/13/2016

8.) **2019 OUTAGES BY CAUSE**

Animal-	0.9%
Construction-	0.2%
Lightning-	0.2%
Non-Company-	1.2%
Other/Unknown-	48.8%
Overload-	0.0%
Planned Work-	15.7%
Trees-	8.0%
Utility Equipment-	25.1%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	43.80
10.) 2019 SAIDI	33.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) 2019 SAIFI	0.79

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAWRENCEBURG 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Anderson - 108 E Broadway st - Lawrenceburg
- 3.) **CIRCUIT NAME AND NUMBER** 2517
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lawrenceburg - Industry Rd & Tyron Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 175
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 17.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.0%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 0.0%
- Utility Equipment- 71.5%
- Vehicle- 8.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.47
10.) 2019 SAIDI	62.89
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.34
12.) 2019 SAIFI	1.03

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

- 1.) **SUBSTATION NAME AND NUMBER** LAWRENCEBURG 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Anderson - 108 E Broadway st - Lawrenceburg
- 3.) **CIRCUIT NAME AND NUMBER** 2518
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lawrenceburg - Waterfill Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 981
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 46.0%
- Overload- 35.7%
- Planned Work- 12.5%
- Trees- 2.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	30.78
10.) 2019 SAIDI	33.02
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.51
12.) 2019 SAIFI	0.40

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHELBYVILLE EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Shelby - 183 Boone Station Rd - Shelbyville
- 3.) **CIRCUIT NAME AND NUMBER** 2522
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shelbyville - KY 60, HWY 395, & Benson Pike - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 54.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,677
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/16/2014

8.) **2019 OUTAGES BY CAUSE**

Animal- 0.5%

Construction- 15.5%

Lightning- 1.9%

Non-Company- 27.8%

Other/Unknown- 16.4%

Overload- 0.1%

Planned Work- 5.4%

Trees- 11.1%

Utility Equipment- 21.2%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	91.57
10.) 2019 SAIDI	201.04
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.00
12.) 2019 SAIFI	3.43

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHELBYVILLE EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Shelby - 183 Boone Station Rd - Shelbyville
- 3.) **CIRCUIT NAME AND NUMBER** 2523
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shelbyville - Williamsburg Rd, Alpine Dr, & Hudson Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 798
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/26/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 99.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.45
10.) 2019 SAIDI	17.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.) 2019 SAIFI	0.13

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

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	SHELBYVILLE SOUTH
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Shelby - 614 Mack Walters Rd - Shelbyville
3.)	CIRCUIT NAME AND NUMBER	2524
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Shelbyville - Old Finchville Rd, KY 55, & US 60 - W of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	11.5
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	418
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/25/2018
8.)	2019 OUTAGES BY CAUSE	
		Animal- 0.2%
		Construction- 0.0%
		Lightning- 0.1%
		Non-Company- 0.0%
		Other/Unknown- 4.9%
		Overload- 0.0%
		Planned Work- 5.3%
		Trees- 89.6%
		Utility Equipment- 0.0%
		Vehicle- 0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	46.60
10.)	2019 SAIDI	92.31
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.)	2019 SAIFI	0.34
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Continue to Monitor	

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

2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Shelby - 614 Mack Walters Rd - Shelbyville

3.) **CIRCUIT NAME AND NUMBER** 2526

4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shelbyville - Kentucky St, Old KY 53, Osprey Cove, & Zaring Mill Rd - S & SE of Substation

5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.4

6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,187

7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/06/2017

8.) **2019 OUTAGES BY CAUSE**

Animal- 1.6%

Construction- 0.0%

Lightning- 1.0%

Non-Company- 0.0%

Other/Unknown- 0.2%

Overload- 0.0%

Planned Work- 3.0%

Trees- 9.4%

Utility Equipment- 9.4%

Vehicle- 75.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.70
10.) 2019 SAIDI	43.93
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.44
12.) 2019 SAIFI	0.21

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** 2528
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Shelbyville Rd, Champions Way, Veechdale Rd & Hwy 60 - SW & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 281
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/08/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 54.7%
- Overload- 1.0%
- Planned Work- 22.9%
- Trees- 17.8%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.41
- 10.) **2019 SAIDI** 40.84
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2019 SAIFI** 1.09

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLORSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Spencer - 1604 Elk Creek Rd - Taylorsville
- 3.) **CIRCUIT NAME AND NUMBER** 2529
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Taylorsville - Elk Creek Rd, KY 55, & Hwy 1633 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 50.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,070
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/14/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 19.9%
- Construction- 0.0%
- Lightning- 69.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 1.6%
- Utility Equipment- 9.1%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	90.48
10.) 2019 SAIDI	244.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.11
12.) 2019 SAIFI	3.45

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)** 27.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 815
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/03/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 91.5%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 4.3%
- Trees- 3.3%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	90.04
10.) 2019 SAIDI	91.92
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.77
12.) 2019 SAIFI	0.82

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** 167
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/22/2016

8.) **2019 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- 52.4%
- Trees- 47.1%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	136.45
10.) 2019 SAIDI	160.25
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.80
12.) 2019 SAIFI	0.91

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** 2532
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bethlehem - KY 22, Hwy 1360, Sewell Rd, & Bethlehem Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 53.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 920
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/24/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 62.7%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 5.8%
- Utility Equipment- 28.6%
- Vehicle- 2.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	92.92
10.) 2019 SAIDI	215.90
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.87
12.) 2019 SAIFI	1.82

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MID VALLEY CLARKSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 1960 Peonia Rd - Clarkson
- 3.) **CIRCUIT NAME AND NUMBER** 2538
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Clarkson - No Road - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Trimming Necessary

8.) **2019 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)	109.30
10.) 2019 SAIDI	546.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) 2019 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Frankfort to Adams
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott - 900 W Main St - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 3401
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Frankfort Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,316
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2019

8.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.58
10.) 2019 SAIDI	132.88
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.19
12.) 2019 SAIFI	0.95

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** 3,196
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2017

8.) **2019 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)** 104.84
- 10.) **2019 SAIDI** 73.56
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.81
- 12.) **2019 SAIFI** 1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Hardesty Tap
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 825 Huckleberry Rd - Dawson Springs
- 3.) **CIRCUIT NAME AND NUMBER** 3413
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - Race Track Rd, Coal Mine Rd, & Mill Dam Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 793
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2012

8.) **2019 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)	8.62
10.) 2019 SAIDI	42.10
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.40
12.) 2019 SAIFI	1.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Earlington - Oak Hill (Sec 3B)
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 202 Russ Hill Rd - Nortonville
- 3.) **CIRCUIT NAME AND NUMBER** 3418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nortonville - Daniel Boone Rd & Hwy 41 Alt, & Hwy 62 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,128
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 51.6%
- Non-Company- 0.0%
- Other/Unknown- 48.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.87
- 10.) **2019 SAIDI** 3.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.85
- 12.) **2019 SAIFI** 3.00

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Princeton - Hardesty Tap
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 320 Marion Rd - Princeton
- 3.) **CIRCUIT NAME AND NUMBER** 3423
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Princeton - Watson Rd, Mt. Hebron Rd, & Mill Dam Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 944
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 98.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 1.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.33
- 10.) **2019 SAIDI** 4.95
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2019 SAIFI** 4.00

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)** 9.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 37.4%
- 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- 62.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	0.60
10.) 2019 SAIDI	2.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60
12.) 2019 SAIFI	2.00

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)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 7
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/22/2017

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 62.6%
- Overload- 0.0%
- Planned Work- 37.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	722.72
10.) 2019 SAIDI	920.93
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.39
12.) 2019 SAIFI	6.14

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE GAS 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Ball Park Rd - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4402
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - Hwy 421 & Hwy 990 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 504
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/07/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 2.3%
- Non-Company- 0.0%
- Other/Unknown- 8.8%
- Overload- 0.0%
- Planned Work- 5.0%
- Trees- 79.6%
- Utility Equipment- 3.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.30
- 10.) **2019 SAIDI** 87.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2019 SAIFI** 0.56
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARLAN 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Corner of River St and Rain St - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4406
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - US HWY 413 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,192
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/28/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 8.5%
- Non-Company- 0.0%
- Other/Unknown- 8.9%
- Overload- 0.0%
- Planned Work- 2.9%
- Trees- 18.9%
- Utility Equipment- 60.7%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	273.81
10.) 2019 SAIDI	658.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.39
12.) 2019 SAIFI	5.93

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARLAN 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Corner of River St and Rain St - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - State HWY 38 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 179
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/11/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 24.7%
- Non-Company- 0.0%
- Other/Unknown- 13.3%
- Overload- 0.0%
- Planned Work- 29.8%
- Trees- 30.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	86.45
10.) 2019 SAIDI	323.37
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.88
12.) 2019 SAIFI	3.39

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARLAN WYE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Sunshine Pike Rd just W of US HWY 421 - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - US HWY 421 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 399
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/02/2018

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.3%
- Overload- 0.0%
- Planned Work- 17.4%
- Trees- 1.9%
- Utility Equipment- 73.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.17
- 10.) **2019 SAIDI** 15.77
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2019 SAIFI** 0.24

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANIEL BRANCH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Gilbert Rd/Bandana Branch - Smith
- 3.) **CIRCUIT NAME AND NUMBER** 4421
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Rose Hill - Hwy 987 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 238
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 58.6%
- Non-Company- 0.0%
- Other/Unknown- 13.9%
- Overload- 0.0%
- Planned Work- 3.1%
- Trees- 24.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.58
- 10.) **2019 SAIDI** 90.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2019 SAIFI** 0.55
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNCH 7.2KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Hwy 160 (W Main St) - Lynch
- 3.) **CIRCUIT NAME AND NUMBER** 4451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lynch - W Main St, Mountain St, & 1st, 2nd, & 3rd St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 157
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 4.7%
- Trees- 93.4%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 313.15
- 10.) **2019 SAIDI** 201.98
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2019 SAIFI** 1.16

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

Tree Trim Scheduled for 2020

- 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)** 10.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 387
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2016

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 87.0%
- Utility Equipment- 9.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 404.88
- 10.) **2019 SAIDI** 255.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.15
- 12.) **2019 SAIFI** 2.30

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

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET 3
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 125 Young St. - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 4500
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - Hines Addition, Jarvis Ave, & Bourne Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 687
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/16/2015

8.) **2019 OUTAGES BY CAUSE**

- Animal- 41.7%
- Construction- 0.0%
- Lightning- 2.0%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 12.7%
- Utility Equipment- 38.6%
- Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	104.22
10.) 2019 SAIDI	265.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.01
12.) 2019 SAIFI	2.54

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.) **2019 OUTAGES BY CAUSE**

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

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.72
10.) 2019 SAIDI	25.21
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.) 2019 SAIFI	0.40

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** 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** 151
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2014

8.) **2019 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)	2.41
10.) 2019 SAIDI	4.05
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.02
12.) 2019 SAIFI	0.03

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** 4508
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - Clifty Rd, W Columbia St, & Ogden St - S & W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 509
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/08/2014

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 40.3%
- Utility Equipment- 6.5%
- Vehicle- 48.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.55
10.) 2019 SAIDI	23.91
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.15
12.) 2019 SAIFI	0.28

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)** 33.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,189
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2010

8.) **2019 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.1%
- Lightning- 65.5%
- Non-Company- 0.0%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 13.7%
- Utility Equipment- 0.2%
- Vehicle- 18.4%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	128.05
10.) 2019 SAIDI	203.58
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.88
12.) 2019 SAIFI	2.49

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 – 4.93 years

KU (Kentucky) Tree SAIDI – 27.49 minutes

KU (Kentucky) Tree SAIFI – 0.181

KU (Kentucky) Tree CAIDI – 151.7 minutes

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

Adjustments made to the tree plan in 2019 included

No changes made to plan.

Changes to be implemented in 2020

No changes made to plan. Continue targeted hazard tree and mid-cycle trim work.

SECTION 7: UTILITY COMMENTS

SAIDI, SAIFI and CAIDI all improved in 2019 compared to the previous 5 year average including major events. Electric reliability metrics in 2019 were on similar levels to the 5-year averages excluding Major Event Days. 450 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2019.