




**SALT RIVER ELECTRIC**

A Touchstone Energy Cooperative 

111 West Brashear Avenue • Bardstown, Kentucky 40004  
(502) 348-3931 • (502) 955-9732 • Fax (502) 348-1993

RECEIVED

MAR 27 2019

PUBLIC SERVICE  
COMMISSION

March 25, 2019

Ms. Gwen R. Pinson  
Executive Director  
KY Public Service Commission  
211 Sower Boulevard  
Frankfort KY 40601-8294

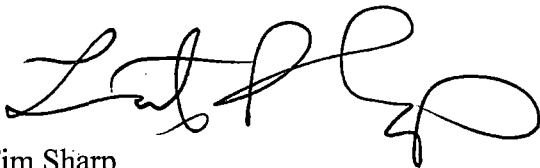
Re: Salt River Electric Cooperative Corporation  
Case No. 2011-00450  
2018 Electric Distribution Utility Annual Reliability Report

Dear Ms. Pinson:

Enclosed is the 2018 Annual Reliability Report for Salt River Electric Cooperative Corporation, Bardstown, Kentucky.

If you require further information or have any questions regarding this report, please contact this office.

Sincerely,



Tim Sharp  
President and CEO

Enclosure

**KENTUCKY PUBLIC SERVICE COMMISSION**  
**Electric Distribution Utility Annual Reliability Report**

MAR 27 2019

PUBLIC SERVICE  
COMMISSION

**CASE NO. 2011 – 00450**

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	<u>Salt River Electric</u>
REPORT PREPARED BY	1.2	<u>Daniel Carrico</u>
E-MAIL ADDRESS OF PREPARER	1.3	<u>dcarrico@srelectric.com</u>
PHONE NUMBER OF PREPARER	1.4	<u>502-350-1606</u>

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2018</u>
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>6.95</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2014</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>12/31/2018</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>7</u>

NOTE: Per IEEE 1366 TMED 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>52015</u>	TOTAL CIRCUITS	<u>92</u>
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Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>78</u>	SAIDI	<u>101.8</u>
SAIFI	<u>0.9098</u>	SAIFI	<u>0.98</u>

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>155.4</u>	SAIDI	<u>334.7</u>
SAIFI	<u>1.2368</u>	SAIFI	<u>1.683</u>

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April 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, CAIDI, and TMED

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 1-1

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1 SUBSTATION NAME AND NUMBER	Balltown	1
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Balltown Road	
3 CIRCUIT NAME AND NUMBER	# 1 Holy Cross - Hwy 49	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Holy Cross - Hwy 49	
5 TOTAL CIRCUIT LENGTH IN MILES	90.3	
6 CUSTOMER COUNT FOR THIS CIRCUIT		1035
7 DATE OF LAST CIRCUIT TRIM (VM)		2016
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	Equip 34%, Weather 30%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		126.63
10 REPORTING YEAR (SAIDI)		379.29
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.42
12 REPORTING YEAR (SAIFI)		1.785
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u># 1-2</u>	
1 SUBSTATION NAME AND NUMBER	<u>Balltown</u>	<u>1</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Balltown Road</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Culvertown - New Haven</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Balltown Road - Southern Nelson County</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>49.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>635</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2016</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>93% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>101.3</u>
10 REPORTING YEAR (SAIDI)		<u>342.66</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.7</u>
12 REPORTING YEAR (SAIFI)		<u>1.44</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u># 1 - 4</u>
1 SUBSTATION NAME AND NUMBER	<u>Balltown</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - Balltown Road</u>
3 CIRCUIT NAME AND NUMBER	<u>#4 Nat Rogers Road</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Nat Rogers Road</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>78% Equip</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u>#1-5</u>
1 SUBSTATION NAME AND NUMBER	<u>Balltown</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - Balltown Road</u>
3 CIRCUIT NAME AND NUMBER	<u>#5 Bluegrass Parkway at @31E</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>#5 Bluegrass Parkway at @31E</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>70% Maint</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT

# 2 - 1

1 SUBSTATION NAME AND NUMBER	<u>Bardstown Shopping Center</u>	<u>2</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Bardstown, Court House</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 Heaven Hill</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown, Loretto Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>23.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>276</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2016</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>36% Equip, 32% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>18</u>
10 REPORTING YEAR (SAIDI)		<u>19</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.26</u>
12 REPORTING YEAR (SAIFI)		<u>0.29</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2-2

1 SUBSTATION NAME AND NUMBER	<u>Bardstown Shopping Center</u>	<u>2</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Bardstown, Court House</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Bluegrass Parkway @ US 150</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>#2 Bluegrass Parkway @ US 150</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>45.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>950</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2016</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>33% Unknown, 23.8% Planned</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>25.02</u>
10 REPORTING YEAR (SAIDI)		<u>58.46</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.27</u>
12 REPORTING YEAR (SAIFI)		<u>0.33</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u>#2-3</u>
1 SUBSTATION NAME AND NUMBER	<u>Bardstown Shopping Center</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Bardstown, Court House</u>
3 CIRCUIT NAME AND NUMBER	<u>#3 Bluegrass Parkway</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>#3 Bluegrass Parkway</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>97% Equip</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND,

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# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 3 - 1

1 SUBSTATION NAME AND NUMBER	Beams	3
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 245 - Clermont	
3 CIRCUIT NAME AND NUMBER	#1 US 245 to Lotus	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 245 to Lotus	
5 TOTAL CIRCUIT LENGTH IN MILES		9.5
6 CUSTOMER COUNT FOR THIS CIRCUIT		44
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	49% Maint, 46%Weather	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		328.14
10 REPORTING YEAR (SAIDI)		1002.06
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.6
12 REPORTING YEAR (SAIFI)		4
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 3 - 2

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1 SUBSTATION NAME AND NUMBER	Beams
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 245 - Clermont
3 CIRCUIT NAME AND NUMBER	# 2 US 245 to I-65
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 245 to I-65
5 TOTAL CIRCUIT LENGTH IN MILES	
6 CUSTOMER COUNT FOR THIS CIRCUIT	
7 DATE OF LAST CIRCUIT TRIM (VM)	
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	64% Maint
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	
10 REPORTING YEAR (SAIDI)	
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	
12 REPORTING YEAR (SAIFI)	
13 CORRECTIVE ACTION PLAN	None

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REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT

# 21 - 2

1 SUBSTATION NAME AND NUMBER	<u>Beulah Beam</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-Hwy 44-Shepherdsville</u>
3 CIRCUIT NAME AND NUMBER	<u>#2 South Shephersville</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville-South</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>54% Power Supplier, 39% Weather</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>



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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT

# 21 - 3

1 SUBSTATION NAME AND NUMBER	<u>Beulah Beam</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-Hwy 44-Shepherdsville</u>
3 CIRCUIT NAME AND NUMBER	<u>#3 North Shepherdsville</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville-North</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>67% Animals</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 4 - 1

- 1 SUBSTATION NAME AND NUMBER Bloomfield
- 2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Nelson - Hwy 1066 - Bloomfield
- 3 CIRCUIT NAME AND NUMBER #1 Simpson Creek - Fairfield
- 4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Fairfield - Simpson Creek
- 5 TOTAL CIRCUIT LENGTH IN MILES \_\_\_\_\_
- 6 CUSTOMER COUNT FOR THIS CIRCUIT \_\_\_\_\_
- 7 DATE OF LAST CIRCUIT TRIM (VM) \_\_\_\_\_
- 8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL  
OUTAGE NUMBERS REPRESENTED BY EACH CAUSE 39% Weather, 49% Unknown
- 9 CIRCUIT 5 YEAR AVERAGE (SAIDI) \_\_\_\_\_
- 10 REPORTING YEAR (SAIDI) \_\_\_\_\_
- 11 CIRCUIT 5 YEAR AVERAGE (SAIFI) \_\_\_\_\_
- 12 REPORTING YEAR (SAIFI) \_\_\_\_\_
- 13 CORRECTIVE ACTION PLAN None

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 26 - 2

1 SUBSTATION NAME AND NUMBER	Fredricksburg	26
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Washington-Fredricksburg	
3 CIRCUIT NAME AND NUMBER	#2 Maud	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Maud area	
5 TOTAL CIRCUIT LENGTH IN MILES		43.7
6 CUSTOMER COUNT FOR THIS CIRCUIT		296
7 DATE OF LAST CIRCUIT TRIM (VM)		2016
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	70% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		101
10 REPORTING YEAR (SAIDI)		307
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.5
12 REPORTING YEAR (SAIFI)		0.9
13 CORRECTIVE ACTION PLAN	None	

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 26 - 1

1 SUBSTATION NAME AND NUMBER	<u>Fredricksburg</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington-Fredricksburg</u>
3 CIRCUIT NAME AND NUMBER	<u>#1 Lincoln Park Road</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Lincoln Park Road</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>56% Weather</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #7 - 1

1 SUBSTATION NAME AND NUMBER	<u>East Bardstown</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - US 62 - Bardstown</u>
3 CIRCUIT NAME AND NUMBER	<u>#1 Bloomfield Road to Eastland</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Eastland</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>99% Public</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT

# 30 - 4

1 SUBSTATION NAME AND NUMBER	<u>Deatesville</u>	<u>30</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Deatesville Road</u>	
3 CIRCUIT NAME AND NUMBER	<u>#4 Lenore</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Lenore</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>24.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>210</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2015</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>42% Maint, 31% Equipment</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>121</u>
10 REPORTING YEAR (SAIDI)		<u>163</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.5</u>
12 REPORTING YEAR (SAIFI)		<u>1.5</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 30 - 3

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1 SUBSTATION NAME AND NUMBER	Deatesville	30
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Deatesville Road	
3 CIRCUIT NAME AND NUMBER	#3 Cedar Grove Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Cedar Grove Road	
5 TOTAL CIRCUIT LENGTH IN MILES		21.6
6 CUSTOMER COUNT FOR THIS CIRCUIT		313
7 DATE OF LAST CIRCUIT TRIM (VM)		2015
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	65% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		113
10 REPORTING YEAR (SAIDI)		260
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.3
12 REPORTING YEAR (SAIFI)		1.8
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 30 - 2

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1 SUBSTATION NAME AND NUMBER	Deatesville	30
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Deatesville Road	
3 CIRCUIT NAME AND NUMBER	#2 Hwy 245 & Samuels	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Hwy 245 7 Samuels	
5 TOTAL CIRCUIT LENGTH IN MILES		30.1
6 CUSTOMER COUNT FOR THIS CIRCUIT		1031
7 DATE OF LAST CIRCUIT TRIM (VM)		2015
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	46% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		78
10 REPORTING YEAR (SAIDI)		164
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1
12 REPORTING YEAR (SAIFI)		1
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 23 - 3

1 SUBSTATION NAME AND NUMBER	Darwin Thomas	23
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer-Hwy 155-Elk Creek	
3 CIRCUIT NAME AND NUMBER	#3 Kings Church Rd	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Taylorsville - Kings Church Rd	
5 TOTAL CIRCUIT LENGTH IN MILES		39.9
6 CUSTOMER COUNT FOR THIS CIRCUIT		908
7 DATE OF LAST CIRCUIT TRIM (VM)		2015
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	42% Maint, 40% Unknown	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		100
10 REPORTING YEAR (SAIDI)		230
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.78
12 REPORTING YEAR (SAIFI)		0.8
13 CORRECTIVE ACTION PLAN	None	

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23

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44.7

708

2015

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133

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0.78

1.4

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT

#23-2

1 SUBSTATION NAME AND NUMBER

Darwin Thomas

2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Spencer-Hwy 155-Elk Creek

3 CIRCUIT NAME AND NUMBER

#2 Normandy

4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

Elk Creek, Spencer County

5 TOTAL CIRCUIT LENGTH IN MILES

\_\_\_\_\_

6 CUSTOMER COUNT FOR THIS CIRCUIT

\_\_\_\_\_

7 DATE OF LAST CIRCUIT TRIM (VM)

\_\_\_\_\_

8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL  
OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

90% Public

9 CIRCUIT 5 YEAR AVERAGE (SAIDI)

\_\_\_\_\_

10 REPORTING YEAR (SAIDI)

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11 CIRCUIT 5 YEAR AVERAGE (SAIFI)

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12 REPORTING YEAR (SAIFI)

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13 CORRECTIVE ACTION PLAN

None

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11

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Park

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588

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2017

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #11-5

1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 480</u>
3 CIRCUIT NAME AND NUMBER	<u>#5 US480 West - Industrial Park</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Cedar Grove - US480 - Cedar Grove Industrial</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>36% Unknown</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 11 -4

1 SUBSTATION NAME AND NUMBER	Cedar Grove	11
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 480	
3 CIRCUIT NAME AND NUMBER	#4 Deatsville Road to Woodsdale Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Deatsville Road to Woodsdale Road	
5 TOTAL CIRCUIT LENGTH IN MILES		19.6
6 CUSTOMER COUNT FOR THIS CIRCUIT		261
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	92% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		201
10 REPORTING YEAR (SAIDI)		759
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.2
12 REPORTING YEAR (SAIFI)		2.3
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 11 -3

1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove</u>	<u>11</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 480</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 US 480 East to Hwy 48</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 480 East to Hwy 48</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>43.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>579</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2017</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>63% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>139</u>
10 REPORTING YEAR (SAIDI)		<u>293</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.1</u>
12 REPORTING YEAR (SAIFI)		<u>1.4</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 11 - 2

1 SUBSTATION NAME AND NUMBER	Cedar Grove	11
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 480	
3 CIRCUIT NAME AND NUMBER	#2 Ridge Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Ridge Road	
5 TOTAL CIRCUIT LENGTH IN MILES		27.3
6 CUSTOMER COUNT FOR THIS CIRCUIT		286
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	95% Unknown	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		251
10 REPORTING YEAR (SAIDI)		839
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.1
12 REPORTING YEAR (SAIFI)		1.4
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 6 - 6

1 SUBSTATION NAME AND NUMBER	Brooks	6
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Coral Ridge Road - Brooks	
3 CIRCUIT NAME AND NUMBER	#6 Pryor Valley	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Pryor Valley	
5 TOTAL CIRCUIT LENGTH IN MILES		32.5
6 CUSTOMER COUNT FOR THIS CIRCUIT		1012
7 DATE OF LAST CIRCUIT TRIM (VM)		2018
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	44% Weather, 28% Planned	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		393
10 REPORTING YEAR (SAIDI)		1315
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.9
12 REPORTING YEAR (SAIFI)		7
13 CORRECTIVE ACTION PLAN	None	

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KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 6 - 3

- 1 SUBSTATION NAME AND NUMBER Brooks
- 2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Bullitt - Coral Ridge Road - Brooks
- 3 CIRCUIT NAME AND NUMBER #3 Bullitt County Stone
- 4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Bullitt County Stone area
- 5 TOTAL CIRCUIT LENGTH IN MILES \_\_\_\_\_
- 6 CUSTOMER COUNT FOR THIS CIRCUIT \_\_\_\_\_
- 7 DATE OF LAST CIRCUIT TRIM (VM) \_\_\_\_\_
- 8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL  
OUTAGE NUMBERS REPRESENTED BY EACH CAUSE 30% Equip, 29% Weather
- 9 CIRCUIT 5 YEAR AVERAGE (SAIDI) \_\_\_\_\_
- 10 REPORTING YEAR (SAIDI) \_\_\_\_\_
- 11 CIRCUIT 5 YEAR AVERAGE (SAIFI) \_\_\_\_\_
- 12 REPORTING YEAR (SAIFI) \_\_\_\_\_
- 13 CORRECTIVE ACTION PLAN None

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 6 - 2</u>
1 SUBSTATION NAME AND NUMBER	<u>Brooks</u> <span style="float: right;"><u>6</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Coral Springs - Brooks</u>
3 CIRCUIT NAME AND NUMBER	<u>#2 Brooks Hill Road - Brooks Station</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Brooks Hill Road - Brooks Station</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>29.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>788</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>2018</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>50% Animals, 23% Maint</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>284</u>
10 REPORTING YEAR (SAIDI)	<u>964</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.6</u>
12 REPORTING YEAR (SAIFI)	<u>4.4</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 28 - 3

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1 SUBSTATION NAME AND NUMBER	Bluegrass Parkway
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Bluegrass Parkway-Bardstown
3 CIRCUIT NAME AND NUMBER	#3 US 62
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Bardstown-US 62
5 TOTAL CIRCUIT LENGTH IN MILES	
6 CUSTOMER COUNT FOR THIS CIRCUIT	
7 DATE OF LAST CIRCUIT TRIM (VM)	
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	75% Weather
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	
10 REPORTING YEAR (SAIDI)	
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	
12 REPORTING YEAR (SAIFI)	
13 CORRECTIVE ACTION PLAN	None

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT

#5-4

1 SUBSTATION NAME AND NUMBER

Bluelick

2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Jefferson - Octagon Ave

3 CIRCUIT NAME AND NUMBER

#4 Brooks @I65

4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

Louisville - I65 - Brooks

5 TOTAL CIRCUIT LENGTH IN MILES

\_\_\_\_\_

6 CUSTOMER COUNT FOR THIS CIRCUIT

\_\_\_\_\_

7 DATE OF LAST CIRCUIT TRIM (VM)

\_\_\_\_\_

8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL  
OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

100% Maint

9 CIRCUIT 5 YEAR AVERAGE (SAIDI)

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10 REPORTING YEAR (SAIDI)

\_\_\_\_\_

11 CIRCUIT 5 YEAR AVERAGE (SAIFI)

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12 REPORTING YEAR (SAIFI)

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13 CORRECTIVE ACTION PLAN

None

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #5-3

1 SUBSTATION NAME AND NUMBER	<u>Bluelick</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Jefferson - Octagon Ave</u>
3 CIRCUIT NAME AND NUMBER	<u>#3 South Louisville Industrial Park</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Louisville - South Lou. Ind. Park</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>100% Weather</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>



# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 5 - 2</u>	
1 SUBSTATION NAME AND NUMBER	<u>Blue Lick</u>	<u>5</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt County, Blue Lick Rd</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Hunters Hollow</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hunters Hollow</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>7.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>685</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2018</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>65% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>29</u>
10 REPORTING YEAR (SAIDI)		<u>1.4</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.32</u>
12 REPORTING YEAR (SAIFI)		<u>1.1</u>
13 CORRECTIVE ACTION PLAN	<u>none</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u># 5 - 1</u>
1 SUBSTATION NAME AND NUMBER	<u>Blue Lick</u> <span style="float: right;"><u>5</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt County, Blue Lick Rd</u>
3 CIRCUIT NAME AND NUMBER	<u>#1 Whispering Oaks</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Blue Lick Road North to Whispering Oaks</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>6.6</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>617</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>2018</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>30% Maint, 28% Unknown</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>177</u>
10 REPORTING YEAR (SAIDI)	<u>516</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.7</u>
12 REPORTING YEAR (SAIFI)	<u>2.84</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 4 -5

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1 SUBSTATION NAME AND NUMBER	Bloomfield
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson - Hwy 1066 - Bloomfield
3 CIRCUIT NAME AND NUMBER	#5 Springfield - Campground Road
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Springfield Road & Campground Road
5 TOTAL CIRCUIT LENGTH IN MILES	
6 CUSTOMER COUNT FOR THIS CIRCUIT	
7 DATE OF LAST CIRCUIT TRIM (VM)	
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	61% Maint
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	
10 REPORTING YEAR (SAIDI)	
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	
12 REPORTING YEAR (SAIFI)	
13 CORRECTIVE ACTION PLAN	None

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/OR SAIFI

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 4 - 4

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1 SUBSTATION NAME AND NUMBER Bloomfield

2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) \_\_\_\_\_

3 CIRCUIT NAME AND NUMBER \_\_\_\_\_

4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) \_\_\_\_\_

5 TOTAL CIRCUIT LENGTH IN MILES \_\_\_\_\_

6 CUSTOMER COUNT FOR THIS CIRCUIT \_\_\_\_\_

7 DATE OF LAST CIRCUIT TRIM (VM) \_\_\_\_\_

8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL  
OUTAGE NUMBERS REPRESENTED BY EACH CAUSE 24% Animals and Maint, 21% Wea

9 CIRCUIT 5 YEAR AVERAGE (SAIDI) \_\_\_\_\_

10 REPORTING YEAR (SAIDI) \_\_\_\_\_

11 CIRCUIT 5 YEAR AVERAGE (SAIFI) \_\_\_\_\_

12 REPORTING YEAR (SAIFI) \_\_\_\_\_

13 CORRECTIVE ACTION PLAN None

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REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND,

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 4 - 2

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1 SUBSTATION NAME AND NUMBER	Bloomfield	4
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson - Hwy 1066 - Bloomfield	
3 CIRCUIT NAME AND NUMBER	#2 Larwenceburg - Greens Chapel	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Larwenceburg Road & Greens Chapel Road	
5 TOTAL CIRCUIT LENGTH IN MILES		71.4
6 CUSTOMER COUNT FOR THIS CIRCUIT		462
7 DATE OF LAST CIRCUIT TRIM (VM)		2019
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	80% Public	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		182
10 REPORTING YEAR (SAIDI)		209
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.4
12 REPORTING YEAR (SAIFI)		1.44
13 CORRECTIVE ACTION PLAN	None	

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 26 - 3

1 SUBSTATION NAME AND NUMBER	<u>Fredricksburg</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington-Fredricksburg</u>
3 CIRCUIT NAME AND NUMBER	<u>#3 Fredricksburg Hill</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Fredricksburg</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u></u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>75% Equipment</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT

# 26 - 4

1 SUBSTATION NAME AND NUMBER

Fredricksburg

2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Washington-Fredricksburg

3 CIRCUIT NAME AND NUMBER

#4

4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

Fredricksburg

5 TOTAL CIRCUIT LENGTH IN MILES

6 CUSTOMER COUNT FOR THIS CIRCUIT

7 DATE OF LAST CIRCUIT TRIM (VM)

8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL  
OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

99% Planned

9 CIRCUIT 5 YEAR AVERAGE (SAIDI)

10 REPORTING YEAR (SAIDI)

11 CIRCUIT 5 YEAR AVERAGE (SAIFI)

12 REPORTING YEAR (SAIFI)

13 CORRECTIVE ACTION PLAN

None

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REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND,

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26

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12

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119

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2016

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193

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943

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0.7

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2.4

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/OR SAIFI