



SALT RIVER ELECTRIC

A Touchstone Energy Cooperative 

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PUBLIC SERVICE
COMMISSION

March 30, 2020

Mr. Kent Chandler
Executive Director
KY Public Service Commission
211 Sower Boulevard
Frankfort KY 40601-8294

Re: Salt River Electric Cooperative Corporation
Case No. 2011-00450
2019 Electric Distribution Utility Annual Reliability Report

Dear Mr. Chandler:

Enclosed is the 2019 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

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>2019</u>
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SECTION 3: MAJOR EVENT DAYS

	TMED	3.1		<u>7.32</u>
FIRST DATE USED TO DETERMINE TMED	3.2		<u>1/1/2015</u>	
LAST DATE USED TO DETERMINE TMED	3.3		<u>12/31/2019</u>	
NUMBER OF MED IN REPORT YEAR	3.4		<u>2</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>52,831</u>	TOTAL CIRCUITS	<u>99</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>77.4</u>	SAIDI	<u>78.9</u>
SAIFI	<u>0.9598</u>	SAIFI	<u>1.076</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>147.6</u>	SAIDI	<u>121.2</u>
SAIFI	<u>1.2368</u>	SAIFI	<u>1.264</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

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># 1-1</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># 1 Holy Cross - Hwy 49</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Holy Cross - Hwy 49</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>92.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1052</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>38% Maint, 27%Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>129</u>
10 REPORTING YEAR (SAIDI)		<u>118</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.3</u>
12 REPORTING YEAR (SAIFI)		<u>2</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	# 1-2
1 SUBSTATION NAME AND NUMBER	Balltown 1
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Balltown Road
3 CIRCUIT NAME AND NUMBER	#2 Culvertown - New Haven
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Balltown Road - Southern Nelson County
5 TOTAL CIRCUIT LENGTH IN MILES	50.9
6 CUSTOMER COUNT FOR THIS CIRCUIT	646
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	64% Maint
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	115
10 REPORTING YEAR (SAIDI)	87
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.84
12 REPORTING YEAR (SAIFI)	0.86
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

#2-3

1 SUBSTATION NAME AND NUMBER	<u>Bardstown Shopping Center</u>	<u>3</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Springhill Subdivision</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>off of US HWY 150</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>3.6</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>294</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>48% Maint, 29% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>23</u>
10 REPORTING YEAR (SAIDI)		<u>58</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.34</u>
12 REPORTING YEAR (SAIFI)		<u>1.2</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 #2-5

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>#5 Bardstown Plaza</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - US 150</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>3.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>358</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>50% Maint, 49% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>9</u>
10 REPORTING YEAR (SAIDI)		<u>10</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.16</u>
12 REPORTING YEAR (SAIFI)		<u>0.2</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

21 - 3

1 SUBSTATION NAME AND NUMBER	<u>Beulah Beam</u>	<u>21</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>17.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>957</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>36% Animals, 28% Equip Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>47</u>
10 REPORTING YEAR (SAIDI)		<u>50</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.52</u>
12 REPORTING YEAR (SAIFI)		<u>0.86</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 # 4 - 2

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		73.2
6 CUSTOMER COUNT FOR THIS CIRCUIT		486
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	59% Public	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		231
10 REPORTING YEAR (SAIDI)		401
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.6
12 REPORTING YEAR (SAIFI)		2.5
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># 5 - 1</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>#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>625</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>33% Maint, 23% Equip Failure</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>185</u>
10 REPORTING YEAR (SAIDI)	<u>164</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.7</u>
12 REPORTING YEAR (SAIFI)	<u>1.9</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>#5-4</u>
1 SUBSTATION NAME AND NUMBER	<u>Bluelick</u> <u>5</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Jefferson - Octagon Ave</u>
3 CIRCUIT NAME AND NUMBER	<u>#4 Brooks @I65</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Louisville - I65 - Brooks</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>2.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>101</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>66% Equipment Failure</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>51</u>
10 REPORTING YEAR (SAIDI)	<u>84</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1</u>
12 REPORTING YEAR (SAIFI)	<u>1.5</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>#23-4</u>
1 SUBSTATION NAME AND NUMBER	<u>Darwin Thomas</u> <u>23</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Spencer-Hwy 155-Elk Creek</u>
3 CIRCUIT NAME AND NUMBER	<u>#4 Hwy 155 and Allen Place</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Taylorsville - Hwy 155 - Elk Creek</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>58.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>1189</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>46% Maint, 43% Weather</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>37</u>
10 REPORTING YEAR (SAIDI)	<u>63</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.7</u>
12 REPORTING YEAR (SAIFI)	<u>0.5</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 # 30 - 3

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		24.5
6 CUSTOMER COUNT FOR THIS CIRCUIT		211
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	39% Maint, 35% Public	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		109
10 REPORTING YEAR (SAIDI)		96
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.4
12 REPORTING YEAR (SAIFI)		1.6
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 #7 - 1

1 SUBSTATION NAME AND NUMBER	<u>East Bardstown</u>	<u>7</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>6.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>320</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>63% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>30</u>
10 REPORTING YEAR (SAIDI)		<u>49</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.4</u>
12 REPORTING YEAR (SAIFI)		<u>0.4</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 # 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		43.9
6 CUSTOMER COUNT FOR THIS CIRCUIT		298
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	54% Equipment Failure, 41% Unknown	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		124
10 REPORTING YEAR (SAIDI)		118
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.75
12 REPORTING YEAR (SAIFI)		1.1
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	<u>#22-1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Joe Tichenor</u>	<u>22</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-US 31E-Cox's Creek</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 31E Bardstown</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Hwy 31E - Cox's Creek</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>25.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>507</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2019</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>39% Power Supplier, 29% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>48</u>
10 REPORTING YEAR (SAIDI)		<u>83</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1</u>
12 REPORTING YEAR (SAIFI)		<u>1.7</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>#22-3</u>
1 SUBSTATION NAME AND NUMBER	<u>Joe Tichenor</u> <u>22</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-US 31E-Cox's Creek</u>
3 CIRCUIT NAME AND NUMBER	<u>#3 Hwy 509 Fairfield</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 509 from Cox's Creek to Fairfield</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>87.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>625</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>2019</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>46% Power Supplier</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>104</u>
10 REPORTING YEAR (SAIDI)	<u>70</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 # 22 - 4

1 SUBSTATION NAME AND NUMBER	Joe Tichenor	22
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-US 31E-Cox's Creek	
3 CIRCUIT NAME AND NUMBER	#4 US 31E to Hwy 480	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 31 E North of Cox's Creek	
5 TOTAL CIRCUIT LENGTH IN MILES		34.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		373
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	51% Power Supplier	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		187
10 REPORTING YEAR (SAIDI)		120
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.8
12 REPORTING YEAR (SAIFI)		2
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

24 - 1

1 SUBSTATION NAME AND NUMBER	<u>Knob Creek</u>	<u>24</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>#1 Knob Creek</u>	
3 CIRCUIT NAME AND NUMBER	<u>Knob Creek</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Knob Creek</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>44.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>539</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>59% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>764</u>
10 REPORTING YEAR (SAIDI)		<u>530</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>3.4</u>
12 REPORTING YEAR (SAIFI)		<u>4.9</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 # 27 - 2

1 SUBSTATION NAME AND NUMBER	Little Mount	27
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer-Hwy 44-Little Mount	
3 CIRCUIT NAME AND NUMBER	#2 Little Mount	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Little Mount Area	
5 TOTAL CIRCUIT LENGTH IN MILES		33.6
6 CUSTOMER COUNT FOR THIS CIRCUIT		445
7 DATE OF LAST CIRCUIT TRIM (VM)		2014
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	57% Weather, 37% Equipment Failure	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		165
10 REPORTING YEAR (SAIDI)		384
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.1
12 REPORTING YEAR (SAIFI)		2.4
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 # 27 - 3

1 SUBSTATION NAME AND NUMBER	Little Mount	27
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer-Hwy 44-Little Mount	
3 CIRCUIT NAME AND NUMBER	#3 Possum Ridge	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Possum Ridge	
5 TOTAL CIRCUIT LENGTH IN MILES		18.6
6 CUSTOMER COUNT FOR THIS CIRCUIT		175
7 DATE OF LAST CIRCUIT TRIM (VM)		2014
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	72% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		65
10 REPORTING YEAR (SAIDI)		69
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.7
12 REPORTING YEAR (SAIFI)		0.4
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 # 27 - 4

1 SUBSTATION NAME AND NUMBER	Little Mount	27
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer-Hwy 44-Little Mount	
3 CIRCUIT NAME AND NUMBER	#4 Towards T-ville to Tanglewood	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Towards T-ville to Tanglewood	
5 TOTAL CIRCUIT LENGTH IN MILES		22.6
6 CUSTOMER COUNT FOR THIS CIRCUIT		391
7 DATE OF LAST CIRCUIT TRIM (VM)		2014
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	88% Weather	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		88
10 REPORTING YEAR (SAIDI)		95
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.9
12 REPORTING YEAR (SAIFI)		0.7
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>#122-6</u>
1 SUBSTATION NAME AND NUMBER	<u>Mt. Washington</u> <u>6</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44 - Mt. Washington</u>
3 CIRCUIT NAME AND NUMBER	<u>#6 Flat Lick</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mount Washington - Hwy 44 - Flat Lick</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>37</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>1857</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>86% Equipment Failure</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>59</u>
10 REPORTING YEAR (SAIDI)	<u>43</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1</u>
12 REPORTING YEAR (SAIFI)	<u>1.2</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 # 12 - 1

1 SUBSTATION NAME AND NUMBER	Mt. Washington	12
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington	
3 CIRCUIT NAME AND NUMBER	#1 Hwy 44E to Bullitt East	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Mt. Washington - Hwy 44 E	
5 TOTAL CIRCUIT LENGTH IN MILES		22.4
6 CUSTOMER COUNT FOR THIS CIRCUIT		1221
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	72% Weather	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		38
10 REPORTING YEAR (SAIDI)		42
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.3
12 REPORTING YEAR (SAIFI)		0.6
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 # 12 - 2

1 SUBSTATION NAME AND NUMBER	Mount Washington	12
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington	
3 CIRCUIT NAME AND NUMBER	#2 Kings Church	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Kings Church Road to Dawshon Hill	
5 TOTAL CIRCUIT LENGTH IN MILES		39.7
6 CUSTOMER COUNT FOR THIS CIRCUIT		1010
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	73% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		51
10 REPORTING YEAR (SAIDI)		42
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.88
12 REPORTING YEAR (SAIFI)		1.2
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># 13 - 5</u>
1 SUBSTATION NAME AND NUMBER	<u>North Springfield</u> <u>13</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington - Hwy 555 - Springfield</u>
3 CIRCUIT NAME AND NUMBER	<u>#5 Willisburg</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Willisburg</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>110.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>858</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>32% Animals, 18% Public</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>362</u>
10 REPORTING YEAR (SAIDI)	<u>249</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.9</u>
12 REPORTING YEAR (SAIFI)	<u>2.6</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 # 14 - 2

1 SUBSTATION NAME AND NUMBER	Pleasant Grove	14
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington	
3 CIRCUIT NAME AND NUMBER	#2 Zoneton	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Zoneton area	
5 TOTAL CIRCUIT LENGTH IN MILES		27.7
6 CUSTOMER COUNT FOR THIS CIRCUIT		761
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	91% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		53
10 REPORTING YEAR (SAIDI)		123
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.5
12 REPORTING YEAR (SAIFI)		1.2
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>#142-5</u>
1 SUBSTATION NAME AND NUMBER	<u>Pleasant Grove 2</u> <u>142</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44 - Mt. Washington</u>
3 CIRCUIT NAME AND NUMBER	<u>#5 Hwy 31E South</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mount Washington - Hwy 31E South</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>31.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>1020</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>30% Equipment Failure, 25% Animals</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>115</u>
10 REPORTING YEAR (SAIDI)	<u>56</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.8</u>
12 REPORTING YEAR (SAIFI)	<u>0.9</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 #15-2

1 SUBSTATION NAME AND NUMBER	<u>Shepherdsville</u>	<u>15</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 61 - Shepherdsville</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Cedar Grove Industrial Park</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville - US 61 - Cedar Grove Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>19.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>227</u>
7 TOTAL CIRCUIT LENGTH IN MILES		<u>2017</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>88% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>14</u>
10 REPORTING YEAR (SAIDI)		<u>15</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.4</u>
12 REPORTING YEAR (SAIFI)		<u>0.2</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 # 152 - 4

1 SUBSTATION NAME AND NUMBER	Shepherdsville	15
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 61 - Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#4 Chapeze Lane	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Chapeze Lane	
5 TOTAL CIRCUIT LENGTH IN MILES		11.3
6 CUSTOMER COUNT FOR THIS CIRCUIT		314
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	68% Maint, 26% Power Supplier	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		171
10 REPORTING YEAR (SAIDI)		85
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.4
12 REPORTING YEAR (SAIFI)		1.5
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

152 - 5

1 SUBSTATION NAME AND NUMBER	<u>Shepherdsville</u>	<u>152</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 61 - Shepherdsville</u>	
3 CIRCUIT NAME AND NUMBER	<u>#5 Blue Lick Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville - Blue Lick Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>22.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1083</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>50% Weather, 45% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>103</u>
10 REPORTING YEAR (SAIDI)		<u>119</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.1</u>
12 REPORTING YEAR (SAIFI)		<u>2.4</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 # 152 - 6

1 SUBSTATION NAME AND NUMBER	Shepherdsville	15
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 61 - Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#6 Beech Grove Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville - Beech Grove Road	
5 TOTAL CIRCUIT LENGTH IN MILES		19.4
6 CUSTOMER COUNT FOR THIS CIRCUIT		635
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	72% Weather	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		41
10 REPORTING YEAR (SAIDI)		173
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.56
12 REPORTING YEAR (SAIFI)		2.2
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># 17 - 2</u>
1 SUBSTATION NAME AND NUMBER	<u>Taylorsville</u> <u>17</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Spencer - Hwy 44 - Taylorsville</u>
3 CIRCUIT NAME AND NUMBER	<u>#2 Lilly Pike to Hwy 48</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Lilly Pike to Hwy 48</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>16.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>148</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>2014</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>46% Weather, 27% Animals</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>169</u>
10 REPORTING YEAR (SAIDI)	<u>62</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.9</u>
12 REPORTING YEAR (SAIFI)	<u>1.3</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># 17 - 3</u>
1 SUBSTATION NAME AND NUMBER	<u>Taylorsville</u> <u>17</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Spencer - Hwy 44 - Taylorsville</u>
3 CIRCUIT NAME AND NUMBER	<u># 3 Hwy 44 to Waterford</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 44 to Waterford</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>78.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>858</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>2014</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>45% Public, 35% Weather</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>49</u>
10 REPORTING YEAR (SAIDI)	<u>45</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.8</u>
12 REPORTING YEAR (SAIFI)	<u>1.2</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 # 17 - 4

1 SUBSTATION NAME AND NUMBER	Taylorsville	17
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer - Hwy 44 - Taylorsville	
3 CIRCUIT NAME AND NUMBER	#4 Little Mount - Brashears Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Taylorsville toward Little Mount	
5 TOTAL CIRCUIT LENGTH IN MILES		39.7
6 CUSTOMER COUNT FOR THIS CIRCUIT		897
7 DATE OF LAST CIRCUIT TRIM (VM)		2014
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	80% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		48
10 REPORTING YEAR (SAIDI)		56
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.7
12 REPORTING YEAR (SAIFI)		1.2
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>#20-1</u>	
1 SUBSTATION NAME AND NUMBER	<u>West Mt. Washington</u>	<u>20</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-Hwy 44-Mt. Washington</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 Stringer Lane</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mount Washington - Stringer Lane</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>5.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>328</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>59% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>23</u>
10 REPORTING YEAR (SAIDI)		<u>31</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.5</u>
12 REPORTING YEAR (SAIFI)		<u>0.7</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># 20 - 4</u>
1 SUBSTATION NAME AND NUMBER	<u>West Mt. Washington</u> <u>20</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-Hwy 44-Mt. Washington</u>
3 CIRCUIT NAME AND NUMBER	<u>#4 Flat Lick Road</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mt. Washington - Flat Lick Road</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>25.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>914</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>56% Maint</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>138</u>
10 REPORTING YEAR (SAIDI)	<u>280</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>2.3</u>
12 REPORTING YEAR (SAIFI)	<u>4.5</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># 19 - 4</u>	
1 SUBSTATION NAME AND NUMBER	<u>Woosley</u>	<u>19</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Bellwood Road-Boston</u>	
3 CIRCUIT NAME AND NUMBER	<u>#4 US 62</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Boston - US 62</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>21.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>250</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>76% Equip Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>161</u>
10 REPORTING YEAR (SAIDI)		<u>216</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1</u>
12 REPORTING YEAR (SAIFI)		<u>1.4</u>
13 CORRECTIVE ACTION PLAN		<u>None</u>

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed

Salt River is on a rotational four year trim plan and a four year spray plan.

SECTION 7: UTILITY COMMENTS
