



SALT RIVER ELECTRIC

A Touchstone Energy Cooperative 

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PUBLIC SERVICE
COMMISSION

May 1, 2021

Ms. Linda Bridwell
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort KY 40601-8294

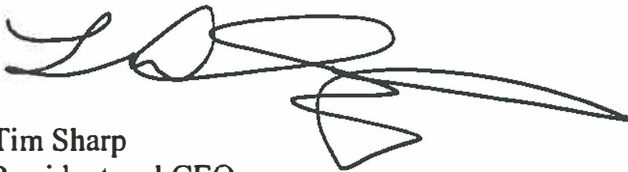
Re: Case No. 2011-00450
Electric Distribution Utility Annual Reliability Report

Dear Ms. Bridwell:

Please find enclosed Salt River Electric's Annual Reliability Report for Case No. 2011-00450.

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

Sincerely,



Tim Sharp
President and CEO

Enclosures

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>2020</u>
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SECTION 3: MAJOR EVENT DAYS

	TMED	3.1	<u>7.51</u>
FIRST DATE USED TO DETERMINE TMED	3.2		<u>1/1/2016</u>
LAST DATE USED TO DETERMINE TMED	3.3		<u>12/31/2020</u>
NUMBER OF MED IN REPORT YEAR	3.4		<u>1</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>53,975</u>	TOTAL CIRCUITS	<u>106</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>78.2</u>	SAIDI	<u>85.8</u>
SAIFI	<u>0.948</u>	SAIFI	<u>0.902</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>145.6</u>	SAIDI	<u>95.8</u>
SAIFI	<u>1.22</u>	SAIFI	<u>1.013</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

1-1

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>89.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1028</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>73% Maint, 16% equipment</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>151</u>
10 REPORTING YEAR (SAIDI)		<u>132</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.36</u>
12 REPORTING YEAR (SAIFI)		<u>0.921</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 - 4

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>#4 Nat Rogers Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Nat Rogers Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>36.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>357</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>30% maint, 22% weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>36</u>
10 REPORTING YEAR (SAIDI)		<u>21</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.58</u>
12 REPORTING YEAR (SAIFI)		<u>0.25</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 - 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>23.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>277</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>72% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>36</u>
10 REPORTING YEAR (SAIDI)		<u>78</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.39</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	<u>#2-2</u>	
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>53.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1025</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>92% Equipment Fail</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>36</u>
10 REPORTING YEAR (SAIDI)		<u>81</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.46</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>#2-5</u>	
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>3.6</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>358</u>
7 TOTAL CIRCUIT LENGTH IN MILES		<u>2016</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>97% equipment fail</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>30</u>
10 REPORTING YEAR (SAIDI)		<u>108</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.24</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

4 -5

1 SUBSTATION NAME AND NUMBER	<u>Bloomfield</u>	<u>4</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - Hwy 1066 - Bloomfield</u>	
3 CIRCUIT NAME AND NUMBER	<u>#5 Springfield - Campground Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield Road & Campground Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>42.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>260</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>80% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>271</u>
10 REPORTING YEAR (SAIDI)		<u>270</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.51</u>
12 REPORTING YEAR (SAIFI)		<u>1.52</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>17.6</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>938</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>79% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>73</u>
10 REPORTING YEAR (SAIDI)		<u>145</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.79</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>#5-3</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>#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>1.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>53</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>93% equipment fail</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>62</u>
10 REPORTING YEAR (SAIDI)	<u>102</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.6</u>
12 REPORTING YEAR (SAIFI)	<u>0.69</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># 11 - 2</u>	
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>#2 Ridge Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Ridge Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>28.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>304</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>65% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>254</u>
10 REPORTING YEAR (SAIDI)		<u>126</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.35</u>
12 REPORTING YEAR (SAIFI)		<u>1.45</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

#11-5

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>#5 US480 West - Industrial Park</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Cedar Grove - US480 - Cedar Grove Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>31.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>585</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>66% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>211</u>
10 REPORTING YEAR (SAIDI)		<u>243</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.35</u>
12 REPORTING YEAR (SAIFI)		<u>0.97</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

#23-4

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>58.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1116</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>95% Equipment Fail</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>64</u>
10 REPORTING YEAR (SAIDI)		<u>463</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.9</u>
12 REPORTING YEAR (SAIFI)		<u>1.1</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 - 2

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>#2 Hwy 245 & Samuels</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 245 7 Samuels</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>41</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>999</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>60% Equipment Fail, 39% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>98</u>
10 REPORTING YEAR (SAIDI)		<u>264</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.27</u>
12 REPORTING YEAR (SAIFI)		<u>3.1</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># 7 - 2</u>	
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>#2 Caney Fork - Plum Run</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Caney Fork & Plum Run</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>49.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1462</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>52% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>23</u>
10 REPORTING YEAR (SAIDI)		<u>25</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.31</u>
12 REPORTING YEAR (SAIFI)		<u>0.33</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

7 - 5

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>#5 Quarry</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - US 245</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>2.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>33</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>74</u>
10 REPORTING YEAR (SAIDI)		<u>155</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.13</u>
12 REPORTING YEAR (SAIFI)		<u>2.8</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># 26 - 2</u>	
1 SUBSTATION NAME AND NUMBER	<u>Fredricksburg</u>	<u>26</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington-Fredricksburg</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Maud</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Maud area</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>44</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>302</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>53% Equipment Fail, 37% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>140</u>
10 REPORTING YEAR (SAIDI)		<u>159</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.76</u>
12 REPORTING YEAR (SAIFI)		<u>0.85</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># 26 - 3</u>
1 SUBSTATION NAME AND NUMBER	<u>Fredricksburg</u> <u>26</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington-Fredricksburg</u>
3 CIRCUIT NAME AND NUMBER	<u># Fredricksburg Hill</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Fredricksburg</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>47.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>313</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>73% Maint</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>96</u>
10 REPORTING YEAR (SAIDI)	<u>284</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.82</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	<u># 8 - 1</u>
1 SUBSTATION NAME AND NUMBER	<u>Gospel Hill</u> <u>8</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44</u>
3 CIRCUIT NAME AND NUMBER	<u>#1 Yorkshire</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Yorkshire</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>11.6</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>225</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>73% Power Supplier</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>402</u>
10 REPORTING YEAR (SAIDI)	<u>369</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>2.6</u>
12 REPORTING YEAR (SAIFI)	<u>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 # 8 - 4

1 SUBSTATION NAME AND NUMBER	Gospel Hill	8
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44	
3 CIRCUIT NAME AND NUMBER	#4 Martin Hill to Knob Creek	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Matrin Hill to Knob Creek	
5 TOTAL CIRCUIT LENGTH IN MILES		21
6 CUSTOMER COUNT FOR THIS CIRCUIT		307
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	66% Maint, 28% Power Supplier	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		386
10 REPORTING YEAR (SAIDI)		266
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.8
12 REPORTING YEAR (SAIFI)		2.9
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 # 8 - 5

1 SUBSTATION NAME AND NUMBER	Gospel Hill	8
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44	
3 CIRCUIT NAME AND NUMBER	#5 Kings Forest and Chillicoop	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Kings Forest and Chillicoop	
5 TOTAL CIRCUIT LENGTH IN MILES		39.6
6 CUSTOMER COUNT FOR THIS CIRCUIT		964
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	79% Power Supplier	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		248
10 REPORTING YEAR (SAIDI)		253
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.68
12 REPORTING YEAR (SAIFI)		2.56
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>25.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>501</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2020</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>33% equipment fail</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>51</u>
10 REPORTING YEAR (SAIDI)		<u>52</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1</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 # 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		18.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		183
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	65% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		88
10 REPORTING YEAR (SAIDI)		187
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.8
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

#122-7

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>#7 HWY 31S to HWY 480</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mt. Washington, Flat Lick</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>45.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>443</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% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>77</u>
10 REPORTING YEAR (SAIDI)		<u>94</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.1</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 # 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		1287
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	54% equipment fail	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		37
10 REPORTING YEAR (SAIDI)		18
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.35
12 REPORTING YEAR (SAIFI)		0.52
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>#14-1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Pleasant Grove</u>	<u>14</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44 - Mt. Washington</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 Hwy 44E Bullitt East</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mount Washington - 44E - East Bullitt County</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>29.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>679</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, 38% Animal</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>145</u>
10 REPORTING YEAR (SAIDI)		<u>276</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.3</u>
12 REPORTING YEAR (SAIFI)		<u>1.8</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		28.1
6 CUSTOMER COUNT FOR THIS CIRCUIT		770
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	52% Animal, 33% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		98
10 REPORTING YEAR (SAIDI)		241
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1
12 REPORTING YEAR (SAIFI)		2.6
13 CORRECTIVE ACTION PLAN		

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># 152 - 5</u>	
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>22.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1037</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% equipment fail, 45% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>118</u>
10 REPORTING YEAR (SAIDI)		<u>98</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.5</u>
12 REPORTING YEAR (SAIFI)		<u>2.3</u>
13 CORRECTIVE ACTION PLAN		

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	<u>Shepherdsville</u>	<u>152</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 61 - Shepherdsville</u>	
3 CIRCUIT NAME AND NUMBER	<u>#6 Beech Grove Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville - Beech Grove Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>19.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1160</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>97% equipment Fail</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>81</u>
10 REPORTING YEAR (SAIDI)		<u>205</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.9</u>
12 REPORTING YEAR (SAIFI)		<u>2</u>
13 CORRECTIVE ACTION PLAN		

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>#16-5</u>	
1 SUBSTATION NAME AND NUMBER	<u>South Springfield</u>	<u>16</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington - St. Rose Lebanon Road - Springfield</u>	
3 CIRCUIT NAME AND NUMBER	<u>#5 Manton</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield - Manton Road - Manton</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>69</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>415</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>55% Maint, 33% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>222</u>
10 REPORTING YEAR (SAIDI)		<u>207</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.6</u>
12 REPORTING YEAR (SAIFI)		<u>1.8</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>837</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>46% Maint, 35% Weather</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>54</u>
10 REPORTING YEAR (SAIDI)	<u>56</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.9</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 # 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		39.9
6 CUSTOMER COUNT FOR THIS CIRCUIT		934
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	97% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		74
10 REPORTING YEAR (SAIDI)		147
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.97
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	<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>5.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>330</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>27% Animal</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>30</u>
10 REPORTING YEAR (SAIDI)		<u>41</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.65</u>
12 REPORTING YEAR (SAIFI)		<u>0.97</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

18 - 1

1 SUBSTATION NAME AND NUMBER	<u>West Bardstown</u>	<u>18</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-US 245-Bardstown</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 US 245 to Hospital</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown-US 245</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>23.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>760</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2020</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>57% Equipment Fail, 30% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>54</u>
10 REPORTING YEAR (SAIDI)		<u>64</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.55</u>
12 REPORTING YEAR (SAIFI)		<u>0.58</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>256</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>88% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>224</u>
10 REPORTING YEAR (SAIDI)		<u>378</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1</u>
12 REPORTING YEAR (SAIFI)		<u>1.1</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 - 5</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>#5 Stillwell Road - Bellwood Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Stillwell Road - Bellwood Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>14.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>101</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>51% Animal</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>159</u>
10 REPORTING YEAR (SAIDI)		<u>166</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.5</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 four year trim cycle and a four year spray plan.

SECTION 7: UTILITY COMMENTS

None