

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>2023</u>
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>11.31</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2019</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>12/31/2023</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>5</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>56,472</u>	TOTAL CIRCUITS	<u>106</u>
Excluding MED			
5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>111.1</u>	SAIDI	<u>156</u>
SAIFI	<u>1.17</u>	SAIFI	<u>1.32</u>
Including MED			
5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>300.3</u>	SAIDI	<u>906.7</u>
SAIFI	<u>1.55</u>	SAIFI	<u>2.21</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 # 1-2

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		95.23
6 CUSTOMER COUNT FOR THIS CIRCUIT		1202
7 DATE OF LAST CIRCUIT TRIM (VM)		2016
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint 83% Weather 0% Animals 1% Public 5%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		153.3
10 REPORTING YEAR (SAIDI)		360.5
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.2
12 REPORTING YEAR (SAIFI)		1.9
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	<u># 1-3</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>#3 Balltown Rd and Monks Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>New Hope and New Haven</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>52.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>712</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2016</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		<u>Equip Desi Maint</u>
		<u>68% 16%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>309.7</u>
10 REPORTING YEAR (SAIDI)		<u>615.8</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.73</u>
12 REPORTING YEAR (SAIFI)		<u>3.39</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>#1-5</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>#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>37.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT			<u>401</u>
7 DATE OF LAST CIRCUIT TRIM (VM)			<u>2016</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Equip Desig Maint	Weather
		9% 61%	15%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)			<u>172.9</u>
10 REPORTING YEAR (SAIDI)			<u>601.6</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)			<u>1.26</u>
12 REPORTING YEAR (SAIFI)			<u>3.22</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>#1-6</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>#6 North to BG Parkway</u>		
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Balltown North on 31E</u>		
5 TOTAL CIRCUIT LENGTH IN MILES			<u>34.83</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT			<u>871</u>
7 DATE OF LAST CIRCUIT TRIM (VM)			<u>2016</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Maint	Weather
		<u>83%</u>	<u>12%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)			<u>153.4</u>
10 REPORTING YEAR (SAIDI)			<u>278.4</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)			<u>1.18</u>
12 REPORTING YEAR (SAIFI)			<u>2.17</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 #2-2

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>54</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1148</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2016</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<u>Equip Desiq Maint Weather Animals</u> <u>49% 8% 1% 26%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>38.9</u>
10 REPORTING YEAR (SAIDI)		<u>51.7</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 #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>296</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2016</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		<u>Power Sup 76%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>25.1</u>
10 REPORTING YEAR (SAIDI)		<u>34.2</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.57</u>
12 REPORTING YEAR (SAIFI)		<u>1.09</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>
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	_____
6 CUSTOMER COUNT FOR THIS CIRCUIT	_____
7 TOTAL CIRCUIT LENGTH IN MILES	_____
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Power Sup Planned Equip Desig 13% 8% 28%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	_____
10 REPORTING YEAR (SAIDI)	_____
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	_____
12 REPORTING YEAR (SAIFI)	_____
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># 3 - 1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Beams</u>	<u>3</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 245 - Clermont</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 US 245 to Lotus</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 245 to Lotus</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>9.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>52</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2017</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		<u>Maint 78% Weather 20%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>322</u>
10 REPORTING YEAR (SAIDI)		<u>699</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2</u>
12 REPORTING YEAR (SAIFI)		<u>3.7</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 # 3 - 2

1 SUBSTATION NAME AND NUMBER	<u>Beams</u>	<u>3</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 245 - Clermont</u>	
3 CIRCUIT NAME AND NUMBER	<u># 2 US 245 to I-65</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 245 to I-65</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>27.34</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>463</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2017</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<u>Maint Weather Animals</u>	
	<u>54% 18% 11%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>174</u>
10 REPORTING YEAR (SAIDI)		<u>194</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.46</u>
12 REPORTING YEAR (SAIFI)		<u>1.97</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 # 21 - 2

1 SUBSTATION NAME AND NUMBER	Beulah Beam	21
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-Hwy 44-Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#2 South Shephersville	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville-South	
5 TOTAL CIRCUIT LENGTH IN MILES		10.1
6 CUSTOMER COUNT FOR THIS CIRCUIT		634
7 DATE OF LAST CIRCUIT TRIM (VM)		In Progress
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Maint 93%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		56.3
10 REPORTING YEAR (SAIDI)		159.7
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.73
12 REPORTING YEAR (SAIFI)		1.55
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

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>17.88</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1022</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>In Progress</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		<u>Maint 79%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>145.2</u>
10 REPORTING YEAR (SAIDI)		<u>230.6</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.07</u>
12 REPORTING YEAR (SAIFI)		<u>2.16</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 - 1

1 SUBSTATION NAME AND NUMBER	Bloomfield	4
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		32.99
6 CUSTOMER COUNT FOR THIS CIRCUIT		228
7 DATE OF LAST CIRCUIT TRIM (VM)		2019
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Power Sup Planned 34%	Equip Desi Maint 0% 7% 44%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		288.7
10 REPORTING YEAR (SAIDI)		780.8
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.54
12 REPORTING YEAR (SAIFI)		5.18
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 # 4 - 2

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>#2 Larwenceburg - Greens Chapel</u>							
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Larwenceburg Road & Greens Chapel Road</u>							
5 TOTAL CIRCUIT LENGTH IN MILES		<u>75.41</u>						
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>587</u>						
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2019</u>						
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 0 10px;">Power Sup Planned</td> <td style="padding: 0 10px;">Equip Desig</td> <td style="padding: 0 10px;">Maint</td> </tr> <tr> <td style="text-align: center;">53%</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">11%</td> </tr> </table>	Power Sup Planned	Equip Desig	Maint	53%	0%	11%	<u>12%</u>
Power Sup Planned	Equip Desig	Maint						
53%	0%	11%						
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>258.12</u>						
10 REPORTING YEAR (SAIDI)		<u>335.76</u>						
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.67</u>						
12 REPORTING YEAR (SAIFI)		<u>2.39</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 -4

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>#4 Old Tunnel Mill and Chaplin</u>					
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Chaplin</u>					
5 TOTAL CIRCUIT LENGTH IN MILES		<u>107.69</u>				
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1088</u>				
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2019</u>				
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">Power Sup Planned</td> <td style="padding: 0 10px;">Equip Desi Maint</td> </tr> <tr> <td style="text-align: center;">41%</td> <td style="text-align: center;">0% 1% 21%</td> </tr> </table>	Power Sup Planned	Equip Desi Maint	41%	0% 1% 21%	
Power Sup Planned	Equip Desi Maint					
41%	0% 1% 21%					
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>158.58</u>				
10 REPORTING YEAR (SAIDI)		<u>213.7</u>				
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.63</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># 4 -5</u>	
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>43.41</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>311</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2019</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		<u>Power Supp 87%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>126.88</u>
10 REPORTING YEAR (SAIDI)		<u>153.31</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.85</u>
12 REPORTING YEAR (SAIFI)		<u>1.07</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 # 5 - 2

1 SUBSTATION NAME AND NUMBER	Blue Lick	5		
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt County, Blue Lick Rd			
3 CIRCUIT NAME AND NUMBER	#2 Hunters Hollow			
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Hunters Hollow			
5 TOTAL CIRCUIT LENGTH IN MILES		7.37		
6 CUSTOMER COUNT FOR THIS CIRCUIT		710		
7 DATE OF LAST CIRCUIT TRIM (VM)		2018		
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desig Maint 50%	Weather 0%	Animals 25%	22%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)				14.51
10 REPORTING YEAR (SAIDI)				18.9
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)				0.22
12 REPORTING YEAR (SAIFI)				0.23
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 - 2

1 SUBSTATION NAME AND NUMBER	Brooks	6
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Coral Springs - Brooks	
3 CIRCUIT NAME AND NUMBER	#2 Brooks Hill Road - Brooks Station	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Brooks Hill Road - Brooks Station	
5 TOTAL CIRCUIT LENGTH IN MILES		31.55
6 CUSTOMER COUNT FOR THIS CIRCUIT		902
7 DATE OF LAST CIRCUIT TRIM (VM)		2018
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint 29%	Weather 4%
	Animals 4%	Public 45%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		190.6
10 REPORTING YEAR (SAIDI)		275.7
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.83
12 REPORTING YEAR (SAIFI)		1.79
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 - 4

1 SUBSTATION NAME AND NUMBER	Brooks	6
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Coral Ridge Road - Brooks	
3 CIRCUIT NAME AND NUMBER	#4 Sabert	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Pryor Valley to Chillicoop	
5 TOTAL CIRCUIT LENGTH IN MILES		1.73
6 CUSTOMER COUNT FOR THIS CIRCUIT		5
7 DATE OF LAST CIRCUIT TRIM (VM)		2018
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Unknown 100%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		42.04
10 REPORTING YEAR (SAIDI)		25.32
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.26
12 REPORTING YEAR (SAIFI)		0.37
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 #292-6

1 SUBSTATION NAME AND NUMBER	Cedar Grove Ind Park2	292
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Cedar Grove Industrial Park	
3 CIRCUIT NAME AND NUMBER	#6 Hwy 480 East	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Cedar Grove - Hwy 480 East - Industrial Park	
5 TOTAL CIRCUIT LENGTH IN MILES		15.16
6 CUSTOMER COUNT FOR THIS CIRCUIT		365
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Maint 96%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		46.39
10 REPORTING YEAR (SAIDI)		59.01
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.67
12 REPORTING YEAR (SAIFI)		1.05
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 #29-3

1 SUBSTATION NAME AND NUMBER	Cedar Grove Ind Park	29
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Cedar Grove Industrial Park	
3 CIRCUIT NAME AND NUMBER	#3 To I65	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Hwy 480 East to I65	
5 TOTAL CIRCUIT LENGTH IN MILES		2.97
6 CUSTOMER COUNT FOR THIS CIRCUIT		34
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Animals 99%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		178
10 REPORTING YEAR (SAIDI)		662
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.2
12 REPORTING YEAR (SAIFI)		8.03
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 # 11 - 2

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> 29.36 </u>												
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u> 344 </u>												
7 DATE OF LAST CIRCUIT TRIM (VM)		<u> 2023 </u>												
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Power Sup</td> <td style="width: 10%;">Planned</td> <td style="width: 10%;">Equip Desig</td> <td style="width: 10%;">Maint</td> <td style="width: 10%;">Weather</td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">35%</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">6%</td> <td style="text-align: center;">22%</td> <td style="text-align: center;">12%</td> <td></td> </tr> </table>	Power Sup	Planned	Equip Desig	Maint	Weather		35%	0%	6%	22%	12%		
Power Sup	Planned	Equip Desig	Maint	Weather										
35%	0%	6%	22%	12%										
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u> 217.07 </u>												
10 REPORTING YEAR (SAIDI)		<u> 429.9 </u>												
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u> 2.39 </u>												
12 REPORTING YEAR (SAIFI)		<u> 4.47 </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 -3

1 SUBSTATION NAME AND NUMBER	Cedar Grove	11
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 480	
3 CIRCUIT NAME AND NUMBER	#3 US 480 East to Hwy 48	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 480 East to Hwy 48	
5 TOTAL CIRCUIT LENGTH IN MILES		46.17
6 CUSTOMER COUNT FOR THIS CIRCUIT		704
7 DATE OF LAST CIRCUIT TRIM (VM)		2023
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Power Supp 80%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		110.4
10 REPORTING YEAR (SAIDI)		196.2
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.96
12 REPORTING YEAR (SAIFI)		1.41
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 # 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		21.27
6 CUSTOMER COUNT FOR THIS CIRCUIT		296
7 DATE OF LAST CIRCUIT TRIM (VM)		2023
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Power Supl Planned Equip Desig Maint Weather	
	30% 0% 0% 47% 2%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		184.6
10 REPORTING YEAR (SAIDI)		513.99
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.56
12 REPORTING YEAR (SAIFI)		4.18
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

#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>31.39</u>								
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>644</u>								
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2023</u>								
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">Power Supl</td> <td style="padding: 0 10px;">Planned</td> <td style="padding: 0 10px;">Equip Desig</td> <td style="padding: 0 10px;">Maint</td> </tr> <tr> <td style="text-align: center;">25%</td> <td style="text-align: center;">6%</td> <td style="text-align: center;">2%</td> <td style="text-align: center;">58%</td> </tr> </table>	Power Supl	Planned	Equip Desig	Maint	25%	6%	2%	58%	
Power Supl	Planned	Equip Desig	Maint							
25%	6%	2%	58%							
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>213.3</u>								
10 REPORTING YEAR (SAIDI)		<u>341.8</u>								
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.94</u>								
12 REPORTING YEAR (SAIFI)		<u>3.64</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>#23-2</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>#2 Normandy</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Elk Creek, Spencer County</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>47.98</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>655</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2024</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<u>Maint Weather Animals Public</u> <u>50% 2% 0% 41%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>96.7</u>
10 REPORTING YEAR (SAIDI)		<u>183.07</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.84</u>
12 REPORTING YEAR (SAIFI)		<u>1.74</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 - 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		46.88
6 CUSTOMER COUNT FOR THIS CIRCUIT		991
7 DATE OF LAST CIRCUIT TRIM (VM)		2024
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desig Maint	
	6% 86%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		94.07
10 REPORTING YEAR (SAIDI)		118.06
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.69
12 REPORTING YEAR (SAIFI)		0.73
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

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>28.24</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>878</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2024</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		<u>Equip Desiq Maint</u>
		<u>7% 75%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>119.96</u>
10 REPORTING YEAR (SAIDI)		<u>207.41</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.38</u>
12 REPORTING YEAR (SAIFI)		<u>2.3</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 # 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		37.87
6 CUSTOMER COUNT FOR THIS CIRCUIT		607
7 DATE OF LAST CIRCUIT TRIM (VM)		2024
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desiq Maint	
	12% 47%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		113.39
10 REPORTING YEAR (SAIDI)		176.97
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.47
12 REPORTING YEAR (SAIFI)		2.29
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 - 1

1 SUBSTATION NAME AND NUMBER	Fredricksburg	26
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Washington-Fredricksburg	
3 CIRCUIT NAME AND NUMBER	#1 Lincoln Park Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Lincoln Park Road	
5 TOTAL CIRCUIT LENGTH IN MILES		44.13
6 CUSTOMER COUNT FOR THIS CIRCUIT		425
7 DATE OF LAST CIRCUIT TRIM (VM)		2016
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Maint 93%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		139.13
10 REPORTING YEAR (SAIDI)		329.33
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.79
12 REPORTING YEAR (SAIFI)		1.01
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	<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>44.68</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>354</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2016</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desiq Maint	
	12% 35%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>147.68</u>
10 REPORTING YEAR (SAIDI)		<u>317.32</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.17</u>
12 REPORTING YEAR (SAIFI)		<u>1.92</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 - 3

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>48.61</u>						
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>386</u>						
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2016</u>						
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">Planned</td> <td style="padding: 0 10px;">Equip Desiq</td> <td style="padding: 0 10px;">Maint</td> </tr> <tr> <td style="text-align: center;">7%</td> <td style="text-align: center;">28%</td> <td style="text-align: center;">33%</td> </tr> </table>	Planned	Equip Desiq	Maint	7%	28%	33%	
Planned	Equip Desiq	Maint						
7%	28%	33%						
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>120.1</u>						
10 REPORTING YEAR (SAIDI)		<u>148.39</u>						
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.91</u>						
12 REPORTING YEAR (SAIFI)		<u>1.41</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		359
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint	92%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		258.03
10 REPORTING YEAR (SAIDI)		610.68
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.37
12 REPORTING YEAR (SAIFI)		5.21
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

#22-1

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>26.23</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>552</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2020</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint Weather Animals Public	
	16% 1% 4% 65%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>89.92</u>
10 REPORTING YEAR (SAIDI)		<u>220.37</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.01</u>
12 REPORTING YEAR (SAIFI)		<u>1.82</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 #22-2

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	#2 Hwy 509 Samuels	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Bardstown - Samuels Rd - Samuels	
5 TOTAL CIRCUIT LENGTH IN MILES		19.02
6 CUSTOMER COUNT FOR THIS CIRCUIT		216
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desi Maint	
	57%	36%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		81.3
10 REPORTING YEAR (SAIDI)		106.01
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.84
12 REPORTING YEAR (SAIFI)		1.38
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 #22-3

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	#3 Hwy 509 Fairfield	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Hwy 509 from Cox's Creek to Fairfield	
5 TOTAL CIRCUIT LENGTH IN MILES		89.65
6 CUSTOMER COUNT FOR THIS CIRCUIT		719
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desi Maint	Weather
	23%	50% 8%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		79.92
10 REPORTING YEAR (SAIDI)		111.29
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.74
12 REPORTING YEAR (SAIFI)		0.59
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 # 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		37.34
6 CUSTOMER COUNT FOR THIS CIRCUIT		419
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desij Maint Weather Animals Public 13% 26% 13% 0% 43%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		94.25
10 REPORTING YEAR (SAIDI)		145.21
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.21
12 REPORTING YEAR (SAIFI)		1.79
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 # 25 - 1

1 SUBSTATION NAME AND NUMBER	Lebanon Junction	25
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-US 61-Lebanon Junction	
3 CIRCUIT NAME AND NUMBER	#1 US 61-Lebanon Junction	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Lebanon Junction	
5 TOTAL CIRCUIT LENGTH IN MILES		29.94
6 CUSTOMER COUNT FOR THIS CIRCUIT		406
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint	81%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		187.57
10 REPORTING YEAR (SAIDI)		428.59
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.81
12 REPORTING YEAR (SAIFI)		2.88
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 # 25 - 2

1 SUBSTATION NAME AND NUMBER	Lebanon Junction	25
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-US 61-Lebanon Junction	
3 CIRCUIT NAME AND NUMBER	#2 US 61-Belmont	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 61 - Belmont	
5 TOTAL CIRCUIT LENGTH IN MILES		34.37
6 CUSTOMER COUNT FOR THIS CIRCUIT		522
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint 61% Weather 1% Animals 6% Public 9% Other 19%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		173.34
10 REPORTING YEAR (SAIDI)		236.18
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.35
12 REPORTING YEAR (SAIFI)		2.51
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	<u>Little Mount</u>	<u>27</u>								
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Spencer-Hwy 44-Little Mount</u>									
3 CIRCUIT NAME AND NUMBER	<u>#4 Towards T-ville to Tanglewood</u>									
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Towards T-ville to Tanglewood</u>									
5 TOTAL CIRCUIT LENGTH IN MILES		<u>23.14</u>								
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>437</u>								
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2018</u>								
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">Power Sup </td> <td style="padding: 0 10px;">Planned</td> <td style="padding: 0 10px;">Equip Desig </td> <td style="padding: 0 10px;">Maint</td> </tr> <tr> <td style="text-align: center;">43%</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">54%</td> </tr> </table>	Power Sup	Planned	Equip Desig	Maint	43%	0%	0%	54%	
Power Sup	Planned	Equip Desig	Maint							
43%	0%	0%	54%							
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>81.61</u>								
10 REPORTING YEAR (SAIDI)		<u>136.65</u>								
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.98</u>								
12 REPORTING YEAR (SAIFI)		<u>1.81</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

#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>49.02</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>566</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>In Progress</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<u>Equip Desig Maint</u>	<u>Weather</u>
	<u>19%</u>	<u>65%</u>
		<u>10%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>105.54</u>
10 REPORTING YEAR (SAIDI)		<u>171.18</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.46</u>
12 REPORTING YEAR (SAIFI)		<u>2.62</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 # 13 - 1

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>#1 Mackville - Springfield Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mackville area</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>98.71</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>769</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>In Progress</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desig; Maint <u>9% 57%</u>	Weather <u>11%</u>
	Animals <u>0%</u>	Public <u>11%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>142.42</u>
10 REPORTING YEAR (SAIDI)		<u>346.37</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.02</u>
12 REPORTING YEAR (SAIFI)		<u>2.04</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># 13 - 4</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>#4 Lincoln Park Road</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Lincoln Park Road</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>25.29</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>307</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>In Progress</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<u>Maint</u> <u>98%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>59.45</u>
10 REPORTING YEAR (SAIDI)	<u>140.17</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.63</u>
12 REPORTING YEAR (SAIFI)	<u>1.48</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># 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>113.77</u>												
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>1026</u>												
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>In Progress</u>												
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	<table><thead><tr><th>Equip</th><th>Desig</th><th>Maint</th><th>Weather</th><th>Animals</th><th>Public</th></tr></thead><tbody><tr><td>10%</td><td>56%</td><td>7%</td><td>0%</td><td>25%</td><td></td></tr></tbody></table>	Equip	Desig	Maint	Weather	Animals	Public	10%	56%	7%	0%	25%	
Equip	Desig	Maint	Weather	Animals	Public								
10%	56%	7%	0%	25%									
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>224.76</u>												
10 REPORTING YEAR (SAIDI)	<u>589.14</u>												
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.47</u>												
12 REPORTING YEAR (SAIFI)	<u>2.13</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

#14-1

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>30.21</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>743</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2021</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint <u>81%</u>	Weather <u>11%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>118.59</u>
10 REPORTING YEAR (SAIDI)		<u>131.75</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.36</u>
12 REPORTING YEAR (SAIFI)		<u>1.41</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 - 3

1 SUBSTATION NAME AND NUMBER	Pleasant Grove	14
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington	
3 CIRCUIT NAME AND NUMBER	#3 Hwy 44 to Greenbrier	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Hwy 44 to Greenbrier	
5 TOTAL CIRCUIT LENGTH IN MILES		22.67
6 CUSTOMER COUNT FOR THIS CIRCUIT		1164
7 DATE OF LAST CIRCUIT TRIM (VM)		2021
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desig Maint	Weather
	22%	61% 9%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		46.42
10 REPORTING YEAR (SAIDI)		47.8
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.7
12 REPORTING YEAR (SAIFI)		0.75
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 #142-5

1 SUBSTATION NAME AND NUMBER	Pleasant Grove 2	142
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington	
3 CIRCUIT NAME AND NUMBER	#5 Hwy 31E South	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Mount Washington - Hwy 31E South	
5 TOTAL CIRCUIT LENGTH IN MILES		34.12
6 CUSTOMER COUNT FOR THIS CIRCUIT		1117
7 DATE OF LAST CIRCUIT TRIM (VM)		2021
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint 90%	Weather 1%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		125.95
10 REPORTING YEAR (SAIDI)		238.97
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.14
12 REPORTING YEAR (SAIFI)		1.16
13 CORRECTIVE ACTION PLAN		None

CIRCUIT #15-1

1 SUBSTATION NAME AND NUMBER	Shepherdsville	15
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 61 - Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#1 to I65	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville - US 61 - Cedar Grove Industrial Park	
5 TOTAL CIRCUIT LENGTH IN MILES		8.24
6 CUSTOMER COUNT FOR THIS CIRCUIT		253
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint	Weather
	34%	12%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		40.15
10 REPORTING YEAR (SAIDI)		138.97
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.61
12 REPORTING YEAR (SAIFI)		2.06
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 # 15 - 3

1 SUBSTATION NAME AND NUMBER	Shepherdsville	15
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 61 - Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#3 US 61 Belmont	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville - US 61 Belmont	
5 TOTAL CIRCUIT LENGTH IN MILES		39.77
6 CUSTOMER COUNT FOR THIS CIRCUIT		534
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Maint 89% Weather 1% Animals 4%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		161.58
10 REPORTING YEAR (SAIDI)		303.01
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.21
12 REPORTING YEAR (SAIFI)		1.96
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 - 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		12.27
6 CUSTOMER COUNT FOR THIS CIRCUIT		182
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desig Maint	
	29%	40%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		59.59
10 REPORTING YEAR (SAIDI)		129.9
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.62
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

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>23.05</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1239</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2017</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		<u>Maint 100%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>164.07</u>
10 REPORTING YEAR (SAIDI)		<u>181.4</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.87</u>
12 REPORTING YEAR (SAIFI)		<u>1.26</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 # 16 - 1

1 SUBSTATION NAME AND NUMBER	South Springfield	16
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Washington - St. Rose Lebanon Road - Springfield	
3 CIRCUIT NAME AND NUMBER	#1 US 150 Bloomfield Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Springfield - US 150	
5 TOTAL CIRCUIT LENGTH IN MILES		28.34
6 CUSTOMER COUNT FOR THIS CIRCUIT		284
7 DATE OF LAST CIRCUIT TRIM (VM)		2015
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desi, Maint 18% 19%	Weather 59%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		134.33
10 REPORTING YEAR (SAIDI)		166.6
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.07
12 REPORTING YEAR (SAIFI)		2.09
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

#16-5

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>70.72</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>488</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2015</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desig Maint	
	75% 19%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>147.12</u>
10 REPORTING YEAR (SAIDI)		<u>297.98</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.16</u>
12 REPORTING YEAR (SAIFI)		<u>3.66</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 - 2

1 SUBSTATION NAME AND NUMBER	Taylorsville	17
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer - Hwy 44 - Taylorsville	
3 CIRCUIT NAME AND NUMBER	#2 Lilly Pike to Hwy 48	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Lilly Pike to Hwy 48	
5 TOTAL CIRCUIT LENGTH IN MILES		18.72
6 CUSTOMER COUNT FOR THIS CIRCUIT		180
7 DATE OF LAST CIRCUIT TRIM (VM)		2018
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE	Equip Desig Maint	
	13% 82%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		157.55
10 REPORTING YEAR (SAIDI)		405.78
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.93
12 REPORTING YEAR (SAIFI)		3.66
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># 18 - 2</u>	
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>#2 US 245 to Hospital</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown-US 245</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>23.91</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>865</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2020</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		<u>Maint 95% Weather 5%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>63.98</u>
10 REPORTING YEAR (SAIDI)		<u>101.09</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.48</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># 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>15.14</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT			<u>121</u>
7 DATE OF LAST CIRCUIT TRIM (VM)			<u>2016</u>
8 OUTAGE CAUSES FOR CIRCUIT WITH PERCENTAGE		Equip Desig Maint 19% 54%	Weather 11%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)			<u>438.03</u>
10 REPORTING YEAR (SAIDI)			<u>998.16</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)			<u>3.29</u>
12 REPORTING YEAR (SAIFI)			<u>5.16</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 five year trim cycle and a five year spray plan.

SECTION 7: UTILITY COMMENTS

None