



**SALT RIVER ELECTRIC**

A Touchstone Energy Cooperative 

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

RECEIVED

MAR 16 2018

PUBLIC SERVICE  
COMMISSION

March 12, 2018

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

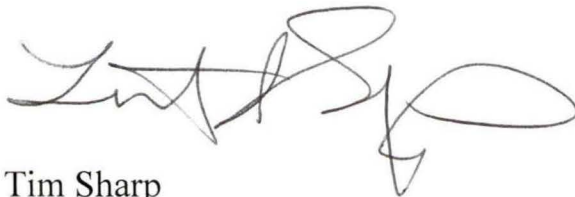
Re: Salt River Electric Cooperative Corporation  
Case No. 2011-00450  
2017 Electric Distribution Utility Annual Reliability Report

Dear Ms. Pinson:

Enclosed is the 2017 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

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MAR 16 2018

PUBLIC SERVICE  
COMMISSION

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

An Investigation of the	)	
Reliability Measures of	)	Case No.
Kentucky's Jurisdictional	)	2011-00450
Electric Distribution Utilities	)	

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SALT RIVER ELECTRIC COOPERATIVE CORPORATION  
111 West Brashear Avenue  
Bardstown Kentucky 40004



2017  
ELECTRIC DISTRIBUTION UTILITY  
ANNUAL RELIABILITY REPORT

Prepared by:  
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Technical Engineer  
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(502) 350.1606

**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><a href="mailto:dcarrico@srelectric.com">dcarrico@srelectric.com</a></u>
PHONE NUMBER OF PREPARER	1.4	<u>502-350-1606</u>

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2017</u>
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>5.68</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2013</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>12/31/2017</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>4</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>51349</u>	TOTAL CIRCUITS	<u>92</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>75.3</u>	SAIDI	<u>60.5</u>
SAIFI	<u>0.88</u>	SAIFI	<u>0.85</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>110.6</u>	SAIDI	<u>112.5</u>
SAIFI	<u>1.1266</u>	SAIFI	<u>1.188</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

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 1-1

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1 SUBSTATION NAME AND NUMBER	Balltown	1
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Balltown Road	
3 CIRCUIT NAME AND NUMBER	# 1 Holy Cross - Hwy 49	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Holy Cross - Hwy 49	
5 TOTAL CIRCUIT LENGTH IN MILES		89.3
6 CUSTOMER COUNT FOR THIS CIRCUIT		1028
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	Unknown 35%, Weather 28.4%, Animals 17.6%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		67.21
10 REPORTING YEAR (SAIDI)		74.19
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.23
12 REPORTING YEAR (SAIFI)		0.82
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># 2 - 1</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>#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>Public 59.2%, 30.8%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>19.79</u>
10 REPORTING YEAR (SAIDI)		<u>37.13</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.28</u>
12 REPORTING YEAR (SAIFI)		<u>0.44</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<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>3.3</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>Animals 42.8%, Maint 38.4%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>11.84</u>
10 REPORTING YEAR (SAIDI)	<u>12.77</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.17</u>
12 REPORTING YEAR (SAIFI)	<u>0.25</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 21 - 2

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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		598
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	67.9% Maintenance, 17.3% Animals	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		34.66
10 REPORTING YEAR (SAIDI)		35.71
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.47
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 # 21 - 3

1 SUBSTATION NAME AND NUMBER	Beulah Beam	21
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-Hwy 44-Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#3 North Shepherdsville	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville-North	
5 TOTAL CIRCUIT LENGTH IN MILES		13.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		938
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	84.2% Animals	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		33.43
10 REPORTING YEAR (SAIDI)		65.68
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.61
12 REPORTING YEAR (SAIFI)		0.5
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># 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 &amp; Campground Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>40.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>260</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>67.1% Weather, 31.5% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>204.97</u>
10 REPORTING YEAR (SAIDI)		<u>281.37</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.7</u>
12 REPORTING YEAR (SAIFI)		<u>2.25</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u>#5-4</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</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>99</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>83.6% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>26.6</u>
10 REPORTING YEAR (SAIDI)		<u>67.9</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.66</u>
12 REPORTING YEAR (SAIFI)		<u>1.42</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 6 - 2

1 SUBSTATION NAME AND NUMBER	<u>Brooks</u>	<u>6</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Coral Springs - Brooks</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Brooks Hill Road - Brooks Station</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Brooks Hill Road - Brooks Station</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>29.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>781</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>74.8% Maintenance, 7.8% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>111.18</u>
10 REPORTING YEAR (SAIDI)		<u>142.95</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.99</u>
12 REPORTING YEAR (SAIFI)		<u>1.03</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 6 - 3

1 SUBSTATION NAME AND NUMBER	<u>Brooks</u>	<u>6</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Coral Ridge Road - Brooks</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 Bullitt County Stone</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bullitt County Stone area</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>15</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>397</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>67% Weather, 23.2% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>109.63</u>
10 REPORTING YEAR (SAIDI)		<u>160.23</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.23</u>
12 REPORTING YEAR (SAIFI)		<u>1.63</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #292-6

1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove Ind Park2</u>	<u>292</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Cedar Grove Industrial Park</u>	
3 CIRCUIT NAME AND NUMBER	<u>#6 Hwy 480 East</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Cedar Grove - Hwy 480 East - Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>7.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>273</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>58.9% Maint, 34.5% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>25.53</u>
10 REPORTING YEAR (SAIDI)		<u>28.32</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.56</u>
12 REPORTING YEAR (SAIFI)		<u>0.41</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	<u>#292-7</u>	
1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove Ind Park2</u>	<u>292</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Cedar Grove Industrial Park</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 East Side Industrial Park</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Cedar Grove Ind Park</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>2.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>41</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>93.8% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>97.26</u>
10 REPORTING YEAR (SAIDI)		<u>34.9</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.99</u>
12 REPORTING YEAR (SAIFI)		<u>1.02</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>#11-5</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>#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>30.8</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>67% Maint, 11.4% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>96.75</u>
10 REPORTING YEAR (SAIDI)		<u>149.49</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.04</u>
12 REPORTING YEAR (SAIFI)		<u>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 #23-2

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>44.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>699</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>85.1% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>58.59</u>
10 REPORTING YEAR (SAIDI)		<u>115.59</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.52</u>
12 REPORTING YEAR (SAIFI)		<u>1.23</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #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>33.5</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>27.4% Planned, 24.1% Unknown, 19.5% Equip Fail</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>56.32</u>
10 REPORTING YEAR (SAIDI)		<u>46.81</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.89</u>
12 REPORTING YEAR (SAIFI)		<u>1.47</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 30 - 2

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1 SUBSTATION NAME AND NUMBER	Deatesville	30
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Deatesville Road	
3 CIRCUIT NAME AND NUMBER	#2 Hwy 245 & Samuels	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Hwy 245 7 Samuels	
5 TOTAL CIRCUIT LENGTH IN MILES		30.1
6 CUSTOMER COUNT FOR THIS CIRCUIT		999
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	91.7% Power Supplier	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		48.45
10 REPORTING YEAR (SAIDI)		21.69
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.85
12 REPORTING YEAR (SAIFI)		1.02
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 30 - 4

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1 SUBSTATION NAME AND NUMBER	Deatesville	30
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Deatesville Road	
3 CIRCUIT NAME AND NUMBER	#4 Lenore	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Lenore	
5 TOTAL CIRCUIT LENGTH IN MILES		23.9
6 CUSTOMER COUNT FOR THIS CIRCUIT		209
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	77.7% Equipment Failure	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		96.87
10 REPORTING YEAR (SAIDI)		77.41
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.29
12 REPORTING YEAR (SAIFI)		1.67
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># 7 - 5</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>#5 Quarry</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - US 245</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>38.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>26</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>95.7% Public</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>39.16</u>
10 REPORTING YEAR (SAIDI)	<u>130.31</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.47</u>
12 REPORTING YEAR (SAIFI)	<u>1.51</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>46.4</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>59.3% Maint, 33.3% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>21.1</u>
10 REPORTING YEAR (SAIDI)		<u>27.82</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.23</u>
12 REPORTING YEAR (SAIFI)		<u>0.3</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u>#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>19.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>501</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>41.7% Unknown, 30.4% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>32.24</u>
10 REPORTING YEAR (SAIDI)		<u>16.48</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.75</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	<u>#22-2</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>#2 Hwy 509 Samuels</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Samuels Rd - Samuels</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>17.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>185</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>32.6% Planned, 21.4% Weather, 20.2% Power Suppler</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>65.57</u>
10 REPORTING YEAR (SAIDI)		<u>182.07</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.13</u>
12 REPORTING YEAR (SAIFI)		<u>2.99</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #22-3

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>84.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>622</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>78.9% Unknown, 9.8% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>57.17</u>
10 REPORTING YEAR (SAIDI)		<u>50.92</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.78</u>
12 REPORTING YEAR (SAIFI)		<u>1.47</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 22 - 4

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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		32.4
6 CUSTOMER COUNT FOR THIS CIRCUIT		357
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	93% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		125.43
10 REPORTING YEAR (SAIDI)		167.88
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.2
12 REPORTING YEAR (SAIFI)		2.33
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># 24 - 1</u>	
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>43.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>524</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>90.3% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>250.92</u>
10 REPORTING YEAR (SAIDI)		<u>253.43</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.31</u>
12 REPORTING YEAR (SAIFI)		<u>1.48</u>
13 CORRECTIVE ACTION PLAN	<u>none</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 25 - 1

1 SUBSTATION NAME AND NUMBER	<u>Lebanon Junction</u>	<u>25</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-US 61-Lebanon Junction</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 US 61-Lebanon Junction</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Lebanon Junction</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>28.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>358</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>70% Equipment Failure, 25.8% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>130.81</u>
10 REPORTING YEAR (SAIDI)		<u>180.18</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.16</u>
12 REPORTING YEAR (SAIFI)		<u>1.33</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 25 - 2

1 SUBSTATION NAME AND NUMBER	<u>Lebanon Junction</u>	<u>25</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-US 61-Lebanon Junction</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 US 61-Belmont</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 61 - Belmont</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>32.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>454</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>43.2% Maint, 40.1% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>174.4</u>
10 REPORTING YEAR (SAIDI)		<u>149.24</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.78</u>
12 REPORTING YEAR (SAIFI)		<u>1.85</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>#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>25.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>1709</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>83.3% Power Suppler</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>32.55</u>
10 REPORTING YEAR (SAIDI)	<u>63.31</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.57</u>
12 REPORTING YEAR (SAIFI)	<u>1.26</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u>#122-7</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>#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>43.8</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>55% Power Supplier, 22.6% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>64.6</u>
10 REPORTING YEAR (SAIDI)		<u>96.14</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.07</u>
12 REPORTING YEAR (SAIFI)		<u>1.42</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># 12 - 2</u>
1 SUBSTATION NAME AND NUMBER	<u>Mount Washington</u> <span style="float: right;"><u>12</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44 - Mt. Washington</u>
3 CIRCUIT NAME AND NUMBER	<u>#2 Kings Church</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Kings Church Road to Dawshon Hill</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>28.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>970</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>37.1% Weather, 34.5 Equipment Fail, 17.3% Animals</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>21.97</u>
10 REPORTING YEAR (SAIDI)	<u>29.75</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.24</u>
12 REPORTING YEAR (SAIFI)	<u>0.33</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT	<u># 13 - 1</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>#1 Mackville - Springfield Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mackville area</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>95.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>609</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>78.6% Maint, 18.2% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>144.73</u>
10 REPORTING YEAR (SAIDI)		<u>157.31</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.63</u>
12 REPORTING YEAR (SAIFI)		<u>0.48</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #13-3

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>#3 Washington County Industrial Park</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield - US555 - Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>13.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>54</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>97.9% Maintenance</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>82.87</u>
10 REPORTING YEAR (SAIDI)		<u>176.22</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.39</u>
12 REPORTING YEAR (SAIFI)		<u>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># 13 - 5</u>
1 SUBSTATION NAME AND NUMBER	<u>North Springfield</u> <span style="float: right;"><u>13</u></span>
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>108.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>842</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>53.2% Maint, 16.1% Equip Fall, 11% Unknown</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>110.09</u>
10 REPORTING YEAR (SAIDI)	<u>164.85</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.86</u>
12 REPORTING YEAR (SAIFI)	<u>0.98</u>
13 CORRECTIVE ACTION PLAN	<u>Interruptions updated to minimize outage times.</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>#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>27.5</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>53.1% Equipment Failure, 35.3% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>27.07</u>
10 REPORTING YEAR (SAIDI)		<u>31.74</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.37</u>
12 REPORTING YEAR (SAIFI)		<u>0.23</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># 14 - 3</u>
1 SUBSTATION NAME AND NUMBER	<u>Pleasant Grove</u> <span style="float: right;"><u>14</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44 - Mt. Washington</u>
3 CIRCUIT NAME AND NUMBER	<u>#3 Hwy 44 to Greenbrier</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 44 to Greenbrier</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>29.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>1470</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>42.3% Maint, 30.6% Unknown</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>14.53</u>
10 REPORTING YEAR (SAIDI)	<u>20.67</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.29</u>
12 REPORTING YEAR (SAIFI)	<u>0.26</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	<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>29.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1002</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>81.7% Maint, 6.7% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>47.83</u>
10 REPORTING YEAR (SAIDI)		<u>114.46</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.41</u>
12 REPORTING YEAR (SAIFI)		<u>0.7</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #142-6

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>#6 Bogard Lane</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mount Washigon Bogard Lane</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>9.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>504</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>98.1% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>41.95</u>
10 REPORTING YEAR (SAIDI)		<u>66.17</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.67</u>
12 REPORTING YEAR (SAIFI)		<u>1.05</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 152 - 4

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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		15.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		309
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	46.6% Weather, 28.8% Animals	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		121.31
10 REPORTING YEAR (SAIDI)		79
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.13
12 REPORTING YEAR (SAIFI)		1.14
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 152 - 5

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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>20.8</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>52% Maint, 32% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>64.04</u>
10 REPORTING YEAR (SAIDI)		<u>77.94</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.98</u>
12 REPORTING YEAR (SAIFI)		<u>1.41</u>
13 CORRECTIVE ACTION PLAN		<u></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># 16 - 2</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>#2 Perryville Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield - Perryville Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>52.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>482</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>90% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>83.97</u>
10 REPORTING YEAR (SAIDI)		<u>237.02</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.81</u>
12 REPORTING YEAR (SAIFI)		<u>3.76</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>#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>66.6</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>62% Weather, 28.2% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>107.97</u>
10 REPORTING YEAR (SAIDI)		<u>389.71</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.06</u>
12 REPORTING YEAR (SAIFI)		<u>3.76</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 - 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>149</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>98.3% Weather</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>117.56</u>
10 REPORTING YEAR (SAIDI)	<u>275.09</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.67</u>
12 REPORTING YEAR (SAIFI)	<u>0.09</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	<u># 17 - 3</u>
1 SUBSTATION NAME AND NUMBER	<u>Taylorsville</u> <span style="float: right;"><u>17</u></span>
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>74.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>837</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>78.8% Public</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>29.15</u>
10 REPORTING YEAR (SAIDI)	<u>60.74</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.35</u>
12 REPORTING YEAR (SAIFI)	<u>0.76</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT #20-1

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>5.3</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>72.5% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>19.45</u>
10 REPORTING YEAR (SAIDI)		<u>45.46</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.4</u>
12 REPORTING YEAR (SAIFI)		<u>1.17</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT	<u>#20-3</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>#3 Armstrong Lane</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mount Washington - Armstrong Lane</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>7.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1049</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>73.6% Power Supplier, 22.4% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>19.9</u>
10 REPORTING YEAR (SAIDI)		<u>43.6</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.45</u>
12 REPORTING YEAR (SAIFI)		<u>1.42</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 20 - 4

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>22</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>893</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>52% Power Supplier, 38.1% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>87.42</u>
10 REPORTING YEAR (SAIDI)		<u>61.79</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.59</u>
12 REPORTING YEAR (SAIFI)		<u>1.61</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># 18 - 1</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>#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>18.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>760</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>88.2% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>36.64</u>
10 REPORTING YEAR (SAIDI)		<u>25.88</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.54</u>
12 REPORTING YEAR (SAIFI)		<u>1.05</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 18 - 2

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 Nazareth Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Nazareth Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>15.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>493</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>47.2% Equip Fail, 40.9% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>49.12</u>
10 REPORTING YEAR (SAIDI)		<u>56.13</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.58</u>
12 REPORTING YEAR (SAIFI)		<u>1.23</u>
13 CORRECTIVE ACTION PLAN	<u>New station being planned in area.</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 #18-4

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>#4 Stumphs Court</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Hwy 245 - Stumphs Court</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>27.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>523</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>45.7% Planned, 24.9% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>65.44</u>
10 REPORTING YEAR (SAIDI)		<u>134.32</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.98</u>
12 REPORTING YEAR (SAIFI)		<u>1.83</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># 18 - 5</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># 5 US 62 Boston Road</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 62 Boston Road</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>59.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>612</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>69.8% Weather, 14.1% Public</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>125.96</u>
10 REPORTING YEAR (SAIDI)	<u>285.85</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.5</u>
12 REPORTING YEAR (SAIFI)	<u>2.85</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 19 - 5

1 SUBSTATION NAME AND NUMBER	Woosley	19
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Bellwood Road-Boston	
3 CIRCUIT NAME AND NUMBER	#5 Stillwell Road - Bellwood Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Stillwell Road - Bellwood Road	
5 TOTAL CIRCUIT LENGTH IN MILES		14.4
6 CUSTOMER COUNT FOR THIS CIRCUIT		101
7 DATE OF LAST CIRCUIT TRIM (VM)		2013
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	43% Equipment Failure, 30.6% Public	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		255.79
10 REPORTING YEAR (SAIDI)		352.72
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.17
12 REPORTING YEAR (SAIFI)		3.04
13 CORRECTIVE ACTION PLAN	2016 None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

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### INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

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Additional page may be attached as needed

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

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## SECTION 7: UTILITY COMMENTS

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## 2017 VEGETATION MANAGEMENT PLAN

### Right-of-Way Management

Salt River Electric recognizes that vegetation management along utility right-of-ways is extremely important to the overall reliability of the electrical system. Properly maintained right-of-ways minimize the occurrence of interruptions and will not hinder the restoration process should an outage occur. Salt River Electric also understands that properly maintained right-of-ways are necessary to ensure public safety. In addition, maintenance of right-of-ways helps decrease system losses and increases productivity of the utility.

Salt River Electric has used a vast knowledge of experience in developing the Vegetation Management Plan. Industry standards have been consulted in the development of this plan, along with professional forestry personnel. The plan is periodically reviewed using a combination of reliability indices, including SAIFI and SAIDI, and all relevant experience that has been gained to ensure that the Vegetation Management Plan is current for our needs.

In accordance with its current plan, Salt River Electric will strive to adhere to the following guidelines whenever possible with the understanding that these can be adjusted as deemed necessary by management.

1. Salt River Electric will plan on trimming right-of-ways on a four-year cycle.
2. Salt River Electric will trim to ANSI A300 standards, when possible.
3. Three-phase lines will be trimmed to a width of 30 feet, where possible.
4. Single-phase lines will be trimmed to a width of 20 feet, where possible.
5. Services will be trimmed to allow swing clear of trees, where possible.
6. Herbicide application will be used to treat brush in the year following the trimming, where possible.
7. All efforts will be made to remove rather than trim problem trees, where possible.
8. Salt River Electric or a designee will attempt to contact customers prior to trimming right-of-ways on their property.
9. Salt River Electric or a designee will respond to customer requests to determine the best means of action for issues that fall outside of the normal rotation.
10. Salt River Electric will perform routine maintenance inspections of the system, and any vegetation management issues that fall outside of the normal cycle will be addressed as needed.

Salt River Electric understands that customer satisfaction is vital to all of its members. With that in mind, Salt River Electric personnel or its designee(s) have the option to deviate from the above set of guidelines when the request is deemed by Salt River Electric or its designee(s) to be reasonable and in the best interest of all parties. Salt River Electric will not honor requests that are deemed unreasonable and which may jeopardize safety or reliability.

Salt River Electric will annually evaluate the vegetation management plan to determine its effectiveness. Reliability indices will be used along with personnel observations and experiences to ensure that the Vegetation Management Plan is meeting the needs of Salt River Electric and its member-customers.



## 2017 VEGETATION MANAGEMENT PLAN

### Right of Way Management

Salt River Electric recognizes that vegetation management along utility Right of Ways is extremely important to the overall reliability of the electrical system. Properly maintained Right of Ways will minimize the occurrence of interruptions and additionally will not hinder the restoration process should an outage occur. Salt River Electric also understands that properly maintained Right of Ways is necessary to ensure public safety. In addition, the maintained of Right of Ways will help to decrease system losses and increase productivity of the utility.

Salt River Electric has used a vast knowledge of experience in developing the vegetation management plan. Industry standards have been consulted in the development of this plan along with professional forestry personnel. The plan is periodically reviewed using a combination of reliability indices, including SAIFI & SAIDI, and all relevant experience that has been gained to ensure that the vegetation management plan is current for our needs.

In accordance with our current plan, Salt River Electric will strive to adhere to the following guidelines whenever possible with the understanding that these can be adjusted as deemed necessary by management.

1. Salt River Electric will plan on trimming Right of Ways on a four-year cycle.
2. Salt River Electric will trim to ANSI A300 standards when possible.
3. Three Phase lines will be trimmed to a width of 30 feet where possible.
4. Single Phase lines will be trimmed to a width of 20 feet where possible.
5. Services will be trimmed to be able to swing clear of trees where possible.
6. Herbicide application will be used to treat brush in the year following the trimming where possible.
7. All efforts will be made to remove rather than trim problem trees where possible.
8. Salt River Electric or a designee will attempt to contact customers prior to trimming Right of Ways on their property.
9. Salt River Electric or a designee will respond to customer requests to determine the best means of action for issues that fall outside of the normal rotation.
10. Salt River Electric will do routine maintenance inspections of the system and any vegetation management issues that fall outside of the normal cycle will be addressed as needed.

Salt River Electric understands that customer satisfaction is vital to all of its members. With that in mind, Salt River Electric personnel or their designee have the option to deviate from the above set of guidelines when they believe that the request is reasonable and in the best interest of all parties. Salt River Electric will not honor requests that are deemed unreasonable and which may jeopardize safety or reliability.

Salt River Electric will annually evaluate the vegetation management plan to determine its effectiveness. Reliability indices will be used along with personnel observations and experiences to ensure that the vegetation management plan is meeting our needs.



## SALT RIVER ELECTRIC

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

January 26, 2018

To: Kentucky Public Service Commission

Subject: 2017 Prepay Metering Report

KY PSC Case No. 2014-00407

From the beginning of the prepay program in September 2012, 3,508 members have participated in the program. Of those, 724 members enrolled in the prepay program in 2017. As of the end of 2017, there were 1,369 active participants.

In 2017, 567 members stopped participating in the prepay program. Of them 374 moved, 13 converted to post-pay, 161 did not make a payment after the meter disconnected for lack of funds, 2 deceased, 3 did not occupy location, and 14 stopped participation for other reasons.

In 2017, there were 15,843 disconnects due to the account balance depleting to zero or below. These disconnects occurred on 1,257 members.

Sincerely,

Melissa R Hite

Manager of Information Technology and Billing



**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><a href="mailto:dcarrico@srelectric.com">dcarrico@srelectric.com</a></u>
PHONE NUMBER OF PREPARER	1.4	<u>502-350-1606</u>

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2017</u>
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SECTION 3: MAJOR EVENT DAYS

	TMED	3.1	<u>5.68</u>
FIRST DATE USED TO DETERMINE TMED	3.2		<u>1/1/2013</u>
LAST DATE USED TO DETERMINE TMED	3.3		<u>12/31/2017</u>
NUMBER OF MED IN REPORT YEAR	3.4		<u>4</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>51349</u>	TOTAL CIRCUITS	<u>92</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>75.3</u>	SAIDI	<u>60.5</u>
SAIFI	<u>0.88</u>	SAIFI	<u>0.85</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>110.6</u>	SAIDI	<u>112.5</u>
SAIFI	<u>1.1266</u>	SAIFI	<u>1.188</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

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 1-1

---

1 SUBSTATION NAME AND NUMBER	Balltown	1
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Balltown Road	
3 CIRCUIT NAME AND NUMBER	# 1 Holy Cross - Hwy 49	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Holy Cross - Hwy 49	
5 TOTAL CIRCUIT LENGTH IN MILES		89.3
6 CUSTOMER COUNT FOR THIS CIRCUIT		1028
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	Unknown 35%, Weather 28.4%, Animals 17.6%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		67.21
10 REPORTING YEAR (SAIDI)		74.19
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.23
12 REPORTING YEAR (SAIFI)		0.82
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 2 - 1

---

1 SUBSTATION NAME AND NUMBER	Bardstown Shopping Center	2
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Bardstown, Court House	
3 CIRCUIT NAME AND NUMBER	#1 Heaven Hill	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Bardstown, Loretto Road	
5 TOTAL CIRCUIT LENGTH IN MILES		23.9
6 CUSTOMER COUNT FOR THIS CIRCUIT		277
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	Public 59.2%, 30.8%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		19.79
10 REPORTING YEAR (SAIDI)		37.13
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.28
12 REPORTING YEAR (SAIFI)		0.44
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(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 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>Animals 42.8%, Maint 38.4%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>11.84</u>
10 REPORTING YEAR (SAIDI)		<u>12.77</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.17</u>
12 REPORTING YEAR (SAIFI)		<u>0.25</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 21 - 2

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>#2 South Shepherdsville</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville-South</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>10.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>598</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>67.9% Maintenance, 17.3% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>34.66</u>
10 REPORTING YEAR (SAIDI)		<u>35.71</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.47</u>
12 REPORTING YEAR (SAIFI)		<u>0.52</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 21 - 3

---

1 SUBSTATION NAME AND NUMBER	Beulah Beam	21
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-Hwy 44-Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#3 North Shepherdsville	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville-North	
5 TOTAL CIRCUIT LENGTH IN MILES		13.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		938
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	84.2% Animals	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		33.43
10 REPORTING YEAR (SAIDI)		65.68
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.61
12 REPORTING YEAR (SAIFI)		0.5
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 4 -5

---

1 SUBSTATION NAME AND NUMBER	Bloomfield	4
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson - Hwy 1066 - Bloomfield	
3 CIRCUIT NAME AND NUMBER	#5 Springfield - Campground Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Springfield Road & Campground Road	
5 TOTAL CIRCUIT LENGTH IN MILES		40.5
6 CUSTOMER COUNT FOR THIS CIRCUIT		260
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	67.1% Weather, 31.5% Public	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		204.97
10 REPORTING YEAR (SAIDI)		281.37
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.7
12 REPORTING YEAR (SAIFI)		2.25
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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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</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>99</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>83.6% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>26.6</u>
10 REPORTING YEAR (SAIDI)		<u>67.9</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.66</u>
12 REPORTING YEAR (SAIFI)		<u>1.42</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 6 - 2

1 SUBSTATION NAME AND NUMBER	<u>Brooks</u>	<u>6</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Coral Springs - Brooks</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Brooks Hill Road - Brooks Station</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Brooks Hill Road - Brooks Station</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>29.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>781</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>74.8% Maintenance, 7.8% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>111.18</u>
10 REPORTING YEAR (SAIDI)		<u>142.95</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.99</u>
12 REPORTING YEAR (SAIFI)		<u>1.03</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 6 - 3

1 SUBSTATION NAME AND NUMBER	<u>Brooks</u>	<u>6</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Coral Ridge Road - Brooks</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 Bullitt County Stone</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bullitt County Stone area</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>15</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>397</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>67% Weather, 23.2% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>109.63</u>
10 REPORTING YEAR (SAIDI)		<u>160.23</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.23</u>
12 REPORTING YEAR (SAIFI)		<u>1.63</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #292-6

1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove Ind Park2</u>	<u>292</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Cedar Grove Industrial Park</u>	
3 CIRCUIT NAME AND NUMBER	<u>#6 Hwy 480 East</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Cedar Grove - Hwy 480 East - Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>7.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>273</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>58.9% Maint, 34.5% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>25.53</u>
10 REPORTING YEAR (SAIDI)		<u>28.32</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.56</u>
12 REPORTING YEAR (SAIFI)		<u>0.41</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT #292-7

1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove Ind Park2</u>	<u>292</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Cedar Grove Industrial Park</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 East Side Industrial Park</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Cedar Grove Ind Park</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>2.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>41</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>93.8% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>97.26</u>
10 REPORTING YEAR (SAIDI)		<u>34.9</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.99</u>
12 REPORTING YEAR (SAIFI)		<u>1.02</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(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>30.8</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>67% Maint, 11.4% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>96.75</u>
10 REPORTING YEAR (SAIDI)		<u>149.49</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.04</u>
12 REPORTING YEAR (SAIFI)		<u>1</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT #23-2

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>44.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>699</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>85.1% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>58.59</u>
10 REPORTING YEAR (SAIDI)		<u>115.59</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.52</u>
12 REPORTING YEAR (SAIFI)		<u>1.23</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(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>33.5</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>27.4% Planned, 24.1% Unknown, 19.5% Equip Fail</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>56.32</u>
10 REPORTING YEAR (SAIDI)		<u>46.81</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.89</u>
12 REPORTING YEAR (SAIFI)		<u>1.47</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(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 &amp; Samuels</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 245 7 Samuels</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>30.1</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>91.7% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>48.45</u>
10 REPORTING YEAR (SAIDI)		<u>21.69</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.85</u>
12 REPORTING YEAR (SAIFI)		<u>1.02</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 30 - 4

---

1 SUBSTATION NAME AND NUMBER	Deatesville	30
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Deatesville Road	
3 CIRCUIT NAME AND NUMBER	#4 Lenore	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Lenore	
5 TOTAL CIRCUIT LENGTH IN MILES		23.9
6 CUSTOMER COUNT FOR THIS CIRCUIT		209
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	77.7% Equipment Failure	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		96.87
10 REPORTING YEAR (SAIDI)		77.41
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.29
12 REPORTING YEAR (SAIFI)		1.67
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(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>38.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>26</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>95.7% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>39.16</u>
10 REPORTING YEAR (SAIDI)		<u>130.31</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.47</u>
12 REPORTING YEAR (SAIFI)		<u>1.51</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 26 - 3

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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>46.4</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>59.3% Maint, 33.3% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>21.1</u>
10 REPORTING YEAR (SAIDI)		<u>27.82</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.23</u>
12 REPORTING YEAR (SAIFI)		<u>0.3</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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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>19.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>501</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>41.7% Unknown, 30.4% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>32.24</u>
10 REPORTING YEAR (SAIDI)		<u>16.48</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.75</u>
12 REPORTING YEAR (SAIFI)		<u>1.26</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #22-2

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>#2 Hwy 509 Samuels</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Samuels Rd - Samuels</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>17.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>185</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>32.6% Planned, 21.4% Weather, 20.2% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>65.57</u>
10 REPORTING YEAR (SAIDI)		<u>182.07</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.13</u>
12 REPORTING YEAR (SAIFI)		<u>2.99</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT #22-3

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>84.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>622</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>78.9% Unknown, 9.8% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>57.17</u>
10 REPORTING YEAR (SAIDI)		<u>50.92</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.78</u>
12 REPORTING YEAR (SAIFI)		<u>1.47</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 22 - 4

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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		32.4
6 CUSTOMER COUNT FOR THIS CIRCUIT		357
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	93% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		125.43
10 REPORTING YEAR (SAIDI)		167.88
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.2
12 REPORTING YEAR (SAIFI)		2.33
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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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>43.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>524</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>90.3% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>250.92</u>
10 REPORTING YEAR (SAIDI)		<u>253.43</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.31</u>
12 REPORTING YEAR (SAIFI)		<u>1.48</u>
13 CORRECTIVE ACTION PLAN	<u>none</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 25 - 1

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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		28.9
6 CUSTOMER COUNT FOR THIS CIRCUIT		358
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	70% Equipment Failure, 25.8% Maint	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		130.81
10 REPORTING YEAR (SAIDI)		180.18
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.16
12 REPORTING YEAR (SAIFI)		1.33
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 25 - 2

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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		32.9
6 CUSTOMER COUNT FOR THIS CIRCUIT		454
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	43.2% Maint, 40.1% Unknown	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		174.4
10 REPORTING YEAR (SAIDI)		149.24
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.78
12 REPORTING YEAR (SAIFI)		1.85
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #122-6

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>25.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1709</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>83.3% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>32.55</u>
10 REPORTING YEAR (SAIDI)		<u>63.31</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.57</u>
12 REPORTING YEAR (SAIFI)		<u>1.26</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(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>43.8</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>55% Power Supplier, 22.6% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>64.6</u>
10 REPORTING YEAR (SAIDI)		<u>96.14</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.07</u>
12 REPORTING YEAR (SAIFI)		<u>1.42</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 12 - 2

1 SUBSTATION NAME AND NUMBER	<u>Mount Washington</u>	<u>12</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44 - Mt. Washington</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Kings Church</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Kings Church Road to Dawshon Hill</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>28.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>970</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>37.1% Weather, 34.5 Equipment Fail, 17.3% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>21.97</u>
10 REPORTING YEAR (SAIDI)		<u>29.75</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.24</u>
12 REPORTING YEAR (SAIFI)		<u>0.33</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(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>95.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>609</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>78.6% Maint, 18.2% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>144.73</u>
10 REPORTING YEAR (SAIDI)		<u>157.31</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.63</u>
12 REPORTING YEAR (SAIFI)		<u>0.48</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT #13-3

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>#3 Washington County Industrial Park</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield - US555 - Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>13.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>54</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>97.9% Maintenance</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>82.87</u>
10 REPORTING YEAR (SAIDI)		<u>176.22</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.39</u>
12 REPORTING YEAR (SAIFI)		<u>1</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 13 - 5

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>108.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>842</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>53.2% Maint, 16.1% Equip Fail, 11% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>110.09</u>
10 REPORTING YEAR (SAIDI)		<u>164.85</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.86</u>
12 REPORTING YEAR (SAIFI)		<u>0.98</u>
13 CORRECTIVE ACTION PLAN	<u>Interruptions updated to minimize outage times.</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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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>27.5</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>53.1% Equipment Failure, 35.3% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>27.07</u>
10 REPORTING YEAR (SAIDI)		<u>31.74</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.37</u>
12 REPORTING YEAR (SAIFI)		<u>0.23</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 14 - 3

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>#3 Hwy 44 to Greenbrier</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 44 to Greenbrier</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>29.2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1470</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>42.3% Maint, 30.6% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>14.53</u>
10 REPORTING YEAR (SAIDI)		<u>20.67</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.29</u>
12 REPORTING YEAR (SAIFI)		<u>0.26</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #142-5

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>29.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1002</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>81.7% Maint, 6.7% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>47.83</u>
10 REPORTING YEAR (SAIDI)		<u>114.46</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.41</u>
12 REPORTING YEAR (SAIFI)		<u>0.7</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT #142-6

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>#6 Bogard Lane</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mount Washington Bogard Lane</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>9.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>504</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>98.1% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>41.95</u>
10 REPORTING YEAR (SAIDI)		<u>66.17</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.67</u>
12 REPORTING YEAR (SAIFI)		<u>1.05</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 152 - 4

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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		15.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		309
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	46.6% Weather, 28.8% Animals	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		121.31
10 REPORTING YEAR (SAIDI)		79
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.13
12 REPORTING YEAR (SAIFI)		1.14
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 152 - 5

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1 SUBSTATION NAME AND NUMBER	Shepherdsville	152
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 61 - Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#5 Blue Lick Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville - Blue Lick Road	
5 TOTAL CIRCUIT LENGTH IN MILES		20.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		1037
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	52% Maint, 32% Equipment Failure	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		64.04
10 REPORTING YEAR (SAIDI)		77.94
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.98
12 REPORTING YEAR (SAIFI)		1.41
13 CORRECTIVE ACTION PLAN		

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 16 - 2

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>#2 Perryville Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield - Perryville Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>52.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>482</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>90% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>83.97</u>
10 REPORTING YEAR (SAIDI)		<u>237.02</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.81</u>
12 REPORTING YEAR (SAIFI)		<u>3.76</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #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>66.6</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>62% Weather, 28.2% Maint</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>107.97</u>
10 REPORTING YEAR (SAIDI)		<u>389.71</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.06</u>
12 REPORTING YEAR (SAIFI)		<u>3.76</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 17 - 2

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>149</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>98.3% Weather</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>117.56</u>
10 REPORTING YEAR (SAIDI)		<u>275.09</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.67</u>
12 REPORTING YEAR (SAIFI)		<u>0.09</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 17 - 3

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>74.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>837</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>78.8% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>29.15</u>
10 REPORTING YEAR (SAIDI)		<u>60.74</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.35</u>
12 REPORTING YEAR (SAIFI)		<u>0.76</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #20-1

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>5.3</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>72.5% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>19.45</u>
10 REPORTING YEAR (SAIDI)		<u>45.46</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.4</u>
12 REPORTING YEAR (SAIFI)		<u>1.17</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #20-3

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>#3 Armstrong Lane</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mount Washington - Armstrong Lane</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>7.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1049</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>73.6% Power Supplier, 22.4% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>19.9</u>
10 REPORTING YEAR (SAIDI)		<u>43.6</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.45</u>
12 REPORTING YEAR (SAIFI)		<u>1.42</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 20 - 4

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1 SUBSTATION NAME AND NUMBER	West Mt. Washington	20
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-Hwy 44-Mt. Washington	
3 CIRCUIT NAME AND NUMBER	#4 Flat Lick Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Mt. Washington - Flat Lick Road	
5 TOTAL CIRCUIT LENGTH IN MILES		22
6 CUSTOMER COUNT FOR THIS CIRCUIT		893
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% Power Supplier, 38.1% Animals	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		87.42
10 REPORTING YEAR (SAIDI)		61.79
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.59
12 REPORTING YEAR (SAIFI)		1.61
13 CORRECTIVE ACTION PLAN	None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 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>18.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>760</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>88.2% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>36.64</u>
10 REPORTING YEAR (SAIDI)		<u>25.88</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.54</u>
12 REPORTING YEAR (SAIFI)		<u>1.05</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 18 - 2

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 Nazareth Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Nazareth Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>15.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>493</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>47.2% Equip Fail, 40.9% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>49.12</u>
10 REPORTING YEAR (SAIDI)		<u>56.13</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.58</u>
12 REPORTING YEAR (SAIFI)		<u>1.23</u>
13 CORRECTIVE ACTION PLAN	<u>New station being planned in area.</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT #18-4

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>#4 Stumphs Court</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Hwy 245 - Stumphs Court</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>27.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>523</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>45.7% Planned, 24.9% Power Supplier</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>65.44</u>
10 REPORTING YEAR (SAIDI)		<u>134.32</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.98</u>
12 REPORTING YEAR (SAIFI)		<u>1.83</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	



# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 18 - 5

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># 5 US 62 Boston Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 62 Boston Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>59.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>612</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>69.8% Weather, 14.1% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>125.96</u>
10 REPORTING YEAR (SAIDI)		<u>285.85</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.5</u>
12 REPORTING YEAR (SAIFI)		<u>2.85</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

---

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 19 - 5

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1 SUBSTATION NAME AND NUMBER	Woosley	19
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Bellwood Road-Boston	
3 CIRCUIT NAME AND NUMBER	#5 Stillwell Road - Bellwood Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Stillwell Road - Bellwood Road	
5 TOTAL CIRCUIT LENGTH IN MILES		14.4
6 CUSTOMER COUNT FOR THIS CIRCUIT		101
7 DATE OF LAST CIRCUIT TRIM (VM)		2013
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	43% Equipment Failure, 30.6% Public	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		255.79
10 REPORTING YEAR (SAIDI)		352.72
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.17
12 REPORTING YEAR (SAIFI)		3.04
13 CORRECTIVE ACTION PLAN	2016 None	

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

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### INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

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Additional page may be attached as needed

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

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## SECTION 7: UTILITY COMMENTS

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