




# SALT RIVER ELECTRIC

A Touchstone Energy Cooperative 

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

March 15, 2016

Mr. Jeff Derouen  
Executive Director  
KY Public Service Commission  
PO Box 615  
Frankfort KY 40602-0615

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MAR 28 2016

Public Service  
Commission

Re: Salt River Electric Cooperative Corporation  
PSC Case No. 2011-00450  
2015 Electric Distribution Utility Annual Reliability Report  
and  
PSC Case No. 2014-00407  
2015 Pre-Pay Metering Report

Dear Mr. Derouen:

Enclosed are the 2015 Annual Reliability Report and 2015 Prepay Metering Report for Salt River Electric Cooperative Corporation, Bardstown, Kentucky, in hard copy and compact disc forms.

The following is contact information for questions on these reports:

Annual Reliability Report: Wesley Collins PE, Manager of Engineering (502) 350-1661  
wcollins@srelectric.com  
Pre-Pay Metering Report: Melissa Hite, Manager of IT and Billing (502) 350-1541  
mhite@srelectric.com

Sincerely,

*Wesley Collins*

Wesley Collins PE  
Manager of Engineering

Enclosures

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

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



2015  
ELECTRIC DISTRIBUTION UTILITY  
ANNUAL RELIABILITY REPORT

Prepared by:  
Wesley Collins PE  
Manager of Engineering  
wcollins@srelectric.com  
502.350.1661



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**2015 Reliability Report . . . . . Tab 1**

**2015 Vegetation Management Plan . . . . . Tab 2**

**2015 Prepay Metering Report . . . . . Tab 3**

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

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### SECTION 1: CONTACT INFORMATION

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

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### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2015</u>
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### SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>7.89</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2010</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>12/31/2014</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>1</u>

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

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### SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

#### System-wide Information

TOTAL CUSTOMERS	<u>49666</u>	TOTAL CIRCUITS	<u>91</u>
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#### Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>96.6</u>	SAIDI	<u>88.7</u>
SAIFI	<u>0.94</u>	SAIFI	<u>0.96</u>

#### Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>119.54</u>	SAIDI	<u>105.8</u>
SAIFI	<u>1.22</u>	SAIFI	<u>1.078</u>

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and TMED

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 1-2</u>
1 SUBSTATION NAME AND NUMBER	<u>Balltown</u> <span style="float: right;"><u>2</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Balltown Road</u>
3 CIRCUIT NAME AND NUMBER	<u># 2 Holy Cross</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Balltown Road - Southern Nelson County</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>48.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>626</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>2012</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>24% Trees, 22% Lightning, 13% Overload, 9 % Small Animal</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>50.43</u>
10 REPORTING YEAR (SAIDI)	<u>56.32</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.48</u>
12 REPORTING YEAR (SAIFI)	<u>0.63</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 1 - 4

1 SUBSTATION NAME AND NUMBER	Balltown	1
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson - Balltown Road	
3 CIRCUIT NAME AND NUMBER	#4 Nat Rogers Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Nat Rogers Road	
5 TOTAL CIRCUIT LENGTH IN MILES		36.2
6 CUSTOMER COUNT FOR THIS CIRCUIT		336
7 DATE OF LAST CIRCUIT TRIM (VM)		2012
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	39% Tree, 17% Small Animals, 14% Lightning	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		86.65
10 REPORTING YEAR (SAIDI)		165.84
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1
12 REPORTING YEAR (SAIFI)		1.62
13 CORRECTIVE ACTION PLAN	None	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 3 - 1

1 SUBSTATION NAME AND NUMBER	Beams	3
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 245 - Clermont	
3 CIRCUIT NAME AND NUMBER	#1 US 245 to Lotus	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 245 to Lotus	
5 TOTAL CIRCUIT LENGTH IN MILES		9.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		43
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	29% Equipment, 28% Lightning, 25% Winter Weather	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		119.5
10 REPORTING YEAR (SAIDI)		279.65
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.94
12 REPORTING YEAR (SAIFI)		1.64
13 CORRECTIVE ACTION PLAN	None	

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



# KENTUCKY PUBLIC SERVICE COMMISSION

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 3 - 2

1 SUBSTATION NAME AND NUMBER	Beams	3
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 245 - Clermont	
3 CIRCUIT NAME AND NUMBER	# 2 US 245 to I-65	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 245 to I-65	
5 TOTAL CIRCUIT LENGTH IN MILES		26.5
6 CUSTOMER COUNT FOR THIS CIRCUIT		407
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	32% Lightning, 25% Trees, 15% Equipment Decay, 10% Unknown	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		116.5
10 REPORTING YEAR (SAIDI)		203.3
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.2
12 REPORTING YEAR (SAIFI)		1.42
13 CORRECTIVE ACTION PLAN	None	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT       # 4 - 2  

1 SUBSTATION NAME AND NUMBER	<u>Bloomfield</u>	<u>4</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - Hwy 1066 - Bloomfield</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Larwenceburg - Greens Chapel</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Larwenceburg Road &amp; Greens Chapel Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>69.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>435</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>44% Trees, 27% Lightning, 19% Equipment Decay</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>167.97</u>
10 REPORTING YEAR (SAIDI)		<u>483.83</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.24</u>
12 REPORTING YEAR (SAIFI)		<u>2.65</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 5 - 1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Blue Lick</u>	<u>5</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt County, Blue Lick Rd</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 Whispering Oaks</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Blue Lick Road North to Whispering Oaks</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>6.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>631</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>29% Unknown, 21% Tree, 12% Customer Caused, 10% Vehicle, 9% Public</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>172.23</u>
10 REPORTING YEAR (SAIDI)		<u>178.41</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.24</u>
12 REPORTING YEAR (SAIFI)		<u>2.69</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 5 - 2</u>	
1 SUBSTATION NAME AND NUMBER	<u>Blue Lick</u>	<u>5</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt County, Blue Lick Rd</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Hunters Hollow</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hunters Hollow</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>667</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>44% Equipment, 36% Small Animal, 15% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>20.68</u>
10 REPORTING YEAR (SAIDI)		<u>21.08</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.2</u>
12 REPORTING YEAR (SAIFI)		<u>0.21</u>
13 CORRECTIVE ACTION PLAN	<u>none</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 5 - 5</u>
1 SUBSTATION NAME AND NUMBER	<u>Blue Lick</u> <span style="float: right;"><u>5</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt County, Blue Lick Rd</u>
3 CIRCUIT NAME AND NUMBER	<u>#5 Brooks Industrial Park</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>I65 South to Brooks Industrial Park</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>2</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>23</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>100% Overload</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>13.39</u>
10 REPORTING YEAR (SAIDI)	<u>13.154</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.39</u>
12 REPORTING YEAR (SAIFI)	<u>0.69</u>
13 CORRECTIVE ACTION PLAN	<u>Overloaded while backfeeding. New circuit planned.</u>

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 6 - 2</u>	
1 SUBSTATION NAME AND NUMBER	<u>Brooks</u>	<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>30.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>773</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>36% Lightning, 34% Trees, 12% Customer Caused</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>117.47</u>
10 REPORTING YEAR (SAIDI)		<u>150.39</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.07</u>
12 REPORTING YEAR (SAIFI)		<u>1.52</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 6 - 6</u>
1 SUBSTATION NAME AND NUMBER	<u>Brooks</u> <span style="float: right;"><u>6</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Coral Ridge Road - Brooks</u>
3 CIRCUIT NAME AND NUMBER	<u>#6 Pryor Valley</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Pryor Valley</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>34.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>977</u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>48% Trees, 25% Lightning, 9% Small Animal</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>156.35</u>
10 REPORTING YEAR (SAIDI)	<u>259.43</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.51</u>
12 REPORTING YEAR (SAIFI)	<u>3.05</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 8 - 1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Gospel Hill</u>	<u>8</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 Yorkshire</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Yorkshire</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>11.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>216</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>29% Tree, 17% Small Animal, 14% Other, 13% Customer, 13% Power Supply</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>89.56</u>
10 REPORTING YEAR (SAIDI)		<u>176.1</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.15</u>
12 REPORTING YEAR (SAIFI)		<u>2.44</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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



# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 8 - 4</u>	
1 SUBSTATION NAME AND NUMBER	<u>Gospel Hill</u>	<u>8</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44</u>	
3 CIRCUIT NAME AND NUMBER	<u>#4 Martin Hill to Knob Creek</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Matrin Hill to Knob Creek</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>21.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>182</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>55% Tree, 15% Vehicle, 9% Equipment</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>270.75</u>
10 REPORTING YEAR (SAIDI)		<u>500.11</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.71</u>
12 REPORTING YEAR (SAIFI)		<u>4.49</u>
13 CORRECTIVE ACTION PLAN	<u>This circuit rebuilt/relocated in 2015.</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 8 - 5

1 SUBSTATION NAME AND NUMBER	<u>Gospel Hill</u>	<u>8</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44</u>	
3 CIRCUIT NAME AND NUMBER	<u>#5 Kings Forest and Chilicoop</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Kings Forest and Chilicoop</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>39.6</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>966</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>38% Tree, 14% Lightning, 11% Equipment, 9% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>137.84</u>
10 REPORTING YEAR (SAIDI)		<u>151.11</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.72</u>
12 REPORTING YEAR (SAIFI)		<u>2.45</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 11 -2</u>	
1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove</u>	<u>11</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 480</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Ridge Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Ridge Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>26.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>278</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% Lightning, 22% Unknown, 12% Small Animal</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>132.49</u>
10 REPORTING YEAR (SAIDI)		<u>146.53</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.18</u>
12 REPORTING YEAR (SAIFI)		<u>1.18</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 11 -3

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1 SUBSTATION NAME AND NUMBER	Cedar Grove	11
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 480	
3 CIRCUIT NAME AND NUMBER	#3 US 480 East to Hwy 48	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 480 East to Hwy 48	
5 TOTAL CIRCUIT LENGTH IN MILES		44
6 CUSTOMER COUNT FOR THIS CIRCUIT		516
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	35% Unknown, 14% Equipment, 11% Lightning, 9% Small Animal, 8% Construction, 8% Customer	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		94.44
10 REPORTING YEAR (SAIDI)		233.97
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.95
12 REPORTING YEAR (SAIFI)		2.47
13 CORRECTIVE ACTION PLAN	None	

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

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# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 11 -4</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>#4 Deatsville Road to Woodsdale Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Deatsville Road to Woodsdale Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>19.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>253</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>40% Unknown, 30% Weather, 8% Ice, 8% Equipment</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>99.25</u>
10 REPORTING YEAR (SAIDI)		<u>110.64</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.02</u>
12 REPORTING YEAR (SAIFI)		<u>2.13</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# 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 - 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>94.7</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>604</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2012</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>51% Lightning, 16% Unknown, 14% Tree</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>168.67</u>
10 REPORTING YEAR (SAIDI)		<u>101.5</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.25</u>
12 REPORTING YEAR (SAIFI)		<u>1.62</u>
13 CORRECTIVE ACTION PLAN	<u>Circuit is being rebuilt. Intellirupters updated.</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 13 - 5

1 SUBSTATION NAME AND NUMBER	North Springfield	13
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Washington - Hwy 555 - Springfield	
3 CIRCUIT NAME AND NUMBER	#5 Willisburg	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Willisburg	
5 TOTAL CIRCUIT LENGTH IN MILES		106.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		829
7 DATE OF LAST CIRCUIT TRIM (VM)		2012
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	39% Lightning, 21% Equipment, 15% Unknown, 13% Small Animal	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		139.17
10 REPORTING YEAR (SAIDI)		224.59
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.32
12 REPORTING YEAR (SAIFI)		1.9
13 CORRECTIVE ACTION PLAN	Interruptions updated to minimize outage times.	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 14 - 3

1 SUBSTATION NAME AND NUMBER	Pleasant Grove	14
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington	
3 CIRCUIT NAME AND NUMBER	#3 Hwy 44 to Greenbrier	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Hwy 44 to Greenbrier	
5 TOTAL CIRCUIT LENGTH IN MILES		18.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		961
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	55% Lightning, 20% Small Animal, 8% Wind	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		11.18
10 REPORTING YEAR (SAIDI)		37.04
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.21
12 REPORTING YEAR (SAIFI)		0.67
13 CORRECTIVE ACTION PLAN	none	

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



# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 15 - 3

1 SUBSTATION NAME AND NUMBER	Shepherdsville	15
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 61 - Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#3 US 61 Belmont	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville - US 61 Belmont	
5 TOTAL CIRCUIT LENGTH IN MILES		49.5
6 CUSTOMER COUNT FOR THIS CIRCUIT		624
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	40% Wind, 21% Tree, 17% Lightning, 8% Equipment	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		139.3
10 REPORTING YEAR (SAIDI)		122.75
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.98
12 REPORTING YEAR (SAIFI)		2.46
13 CORRECTIVE ACTION PLAN	None	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

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(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

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CIRCUIT # 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		16.4
6 CUSTOMER COUNT FOR THIS CIRCUIT		302
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	58% Tree, 16% Vehicle, 7% Lightning	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		170.66
10 REPORTING YEAR (SAIDI)		188.81
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.49
12 REPORTING YEAR (SAIFI)		1.67
13 CORRECTIVE ACTION PLAN	None	

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

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# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 16 - 1</u>
1 SUBSTATION NAME AND NUMBER	<u>South Springfield</u> <span style="float: right;"><u>16</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington - St. Rose Lebanon Road - Springfield</u>
3 CIRCUIT NAME AND NUMBER	<u>#1 US 150 Bloomfield Road</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield - US 150</u>
5 TOTAL CIRCUIT LENGTH IN MILES	<u>26.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>225</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>39% Lightning, 19% Equipment, 15% Unknown, 8% Public Cuts Tree</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>92.12</u>
10 REPORTING YEAR (SAIDI)	<u>138.7</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.04</u>
12 REPORTING YEAR (SAIFI)	<u>1.38</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 17 - 2

1 SUBSTATION NAME AND NUMBER	<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>144</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>37% Tree, 36% Equipment, 11% Lightning</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>54.06</u>
10 REPORTING YEAR (SAIDI)		<u>84.88</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.75</u>
12 REPORTING YEAR (SAIFI)		<u>0.527</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT       # 17 - 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>76.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>817</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>27% Tree, 26% Lightning, 16% Unknown, 15% Equipment</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>19.33</u>
10 REPORTING YEAR (SAIDI)		<u>34.66</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.24</u>
12 REPORTING YEAR (SAIFI)		<u>0.49</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 17 - 4

1 SUBSTATION NAME AND NUMBER	Taylorsville	17
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer - Hwy 44 - Taylorsville	
3 CIRCUIT NAME AND NUMBER	#4 Little Mount - Brashears Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Taylorsville toward Little Mount	
5 TOTAL CIRCUIT LENGTH IN MILES		39.2
6 CUSTOMER COUNT FOR THIS CIRCUIT		814
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	51% Lightning, 19% Tree, 13% Small Animal	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		54.26
10 REPORTING YEAR (SAIDI)		15.03
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.27
12 REPORTING YEAR (SAIFI)		0.27
13 CORRECTIVE ACTION PLAN	None	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 18 - 2</u>	
1 SUBSTATION NAME AND NUMBER	<u>West Bardstown</u>	<u>18</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-US 245-Bardstown</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Nazareth Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Nazareth Road</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>16.8</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>427</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>34% Small Animal, 25% Vehicle, 16% Unknown, 16% Equipment</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>47.85</u>
10 REPORTING YEAR (SAIDI)		<u>101.78</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.43</u>
12 REPORTING YEAR (SAIFI)		<u>0.24</u>
13 CORRECTIVE ACTION PLAN	<u>New station being planned in area.</u>	

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

# 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       # 19 - 2  

1 SUBSTATION NAME AND NUMBER	<u>  Woosley  </u>	<u>  19  </u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>  Nelson-Bellwood Road-Boston  </u>	
3 CIRCUIT NAME AND NUMBER	<u>  #2 Sawmill  </u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>  Sawmill  </u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>  0.3  </u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>  5  </u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>  2013  </u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>  66% Unknown, 24% Wind  </u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>  214.09  </u>
10 REPORTING YEAR (SAIDI)		<u>  152.2  </u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>  1.575  </u>
12 REPORTING YEAR (SAIFI)		<u>  1.6  </u>
13 CORRECTIVE ACTION PLAN	<u>  None  </u>	

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



# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 19 - 3</u>	
1 SUBSTATION NAME AND NUMBER	<u>Woosley</u>	<u>19</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Bellwood Road-Boston</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 Hwy 733 to Sanders Lane</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Boston-Hwy 733</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>51.3</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>418</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>26% Unknown, 16% Small Animal, 15% Equipment, 15% Ice</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>251.13</u>
10 REPORTING YEAR (SAIDI)		<u>309.93</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.21</u>
12 REPORTING YEAR (SAIFI)		<u>4.69</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 19 - 4</u>	
1 SUBSTATION NAME AND NUMBER	<u>Woodsley</u>	<u>19</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Bellwood Road-Boston</u>	
3 CIRCUIT NAME AND NUMBER	<u>#4 US 62</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Boston - US 62</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>21.6</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>246</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>32% Lightning, 29% Small Animal, 13% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>95.38</u>
10 REPORTING YEAR (SAIDI)		<u>61.28</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.02</u>
12 REPORTING YEAR (SAIFI)		<u>1.45</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# 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   # 19 - 5  

1 SUBSTATION NAME AND NUMBER	<u>  Woosley  </u>	<u>  19  </u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>  Nelson-Bellwood Road-Boston  </u>	
3 CIRCUIT NAME AND NUMBER	<u>  #5 Stillwell Road - Bellwood Road  </u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>  Stillwell Road - Bellwood Road  </u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>  14.4  </u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>  97  </u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>  2013  </u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>  47% Trees, 20% Lightning, 17% Equipment  </u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>  182.95  </u>
10 REPORTING YEAR (SAIDI)		<u>  341.9  </u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>  1.48  </u>
12 REPORTING YEAR (SAIFI)		<u>  2.51  </u>
13 CORRECTIVE ACTION PLAN	<u>  None  </u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT     # 22 - 4    

1 SUBSTATION NAME AND NUMBER	<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>#4 US 31E to Hwy 480</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 31 E North of Cox's Creek</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>32.9</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>341</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>35% Equipment, 34% Unknown, 13% Lightning</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>72.87</u>
10 REPORTING YEAR (SAIDI)		<u>229.32</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.53</u>
12 REPORTING YEAR (SAIFI)		<u>1.13</u>
13 CORRECTIVE ACTION PLAN	<u>Circuit will be rebuilt as part of road project</u>	

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

# 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>    Normandy    </u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>    46    </u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>    701    </u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>    2015    </u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>    36% Tree, 19% Unknown, 17% Lightning, 9% Equip    </u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>    71.97    </u>
10 REPORTING YEAR (SAIDI)		<u>    76.74    </u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>    0.76    </u>
12 REPORTING YEAR (SAIFI)		<u>    0.58    </u>
13 CORRECTIVE ACTION PLAN	<u>    None    </u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 24 - 1

1 SUBSTATION NAME AND NUMBER	Knob Creek	24
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	#1 Knob Creek	
3 CIRCUIT NAME AND NUMBER	Knob Creek	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Knob Creek	
5 TOTAL CIRCUIT LENGTH IN MILES		43.6
6 CUSTOMER COUNT FOR THIS CIRCUIT		631
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	25% Trees, 18% Equipment, 16% Lightning, 12% Flood	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		268.68
10 REPORTING YEAR (SAIDI)		597.98
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.48
12 REPORTING YEAR (SAIFI)		1.13
13 CORRECTIVE ACTION PLAN	none	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 25 - 1

1 SUBSTATION NAME AND NUMBER	Lebanon Junction	25
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-US 61-Lebanon Junction	
3 CIRCUIT NAME AND NUMBER	#1 US 61-Lebanon Junction	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Lebanon Junction	
5 TOTAL CIRCUIT LENGTH IN MILES		29
6 CUSTOMER COUNT FOR THIS CIRCUIT		361
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	33% Trees, 26% Unknown, 22% Small Animal	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		268.68
10 REPORTING YEAR (SAIDI)		597.98
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.48
12 REPORTING YEAR (SAIFI)		5.83
13 CORRECTIVE ACTION PLAN	None	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT   # 25 - 2  

1 SUBSTATION NAME AND NUMBER	<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>33.4</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>453</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2013</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>43% Tree, 18% Lightning, 10% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>186.88</u>
10 REPORTING YEAR (SAIDI)		<u>317.02</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.96</u>
12 REPORTING YEAR (SAIFI)		<u>2.52</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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



# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT     # 26 - 2    

1 SUBSTATION NAME AND NUMBER	<u>Fredricksburg</u>	<u>26</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington-Fredricksburg</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Maud</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Maud area</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>43.5</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>292</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2012</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>30%Lightning, 22% Equipment, 19% Unknown, 13% Vehi 13% Vehicle</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>46.06</u>
10 REPORTING YEAR (SAIDI)		<u>78.62</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.39</u>
12 REPORTING YEAR (SAIFI)		<u>0.78</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 27 - 2

1 SUBSTATION NAME AND NUMBER	Little Mount	27
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer-Hwy 44-Little Mount	
3 CIRCUIT NAME AND NUMBER	#2 Little Mount	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Little Mount Area	
5 TOTAL CIRCUIT LENGTH IN MILES		32.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		414
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	47% Tree, 24% Lightning, 19% Equipment	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		100.48
10 REPORTING YEAR (SAIDI)		112.66
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.89
12 REPORTING YEAR (SAIFI)		0.55
13 CORRECTIVE ACTION PLAN	None	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT          # 27 - 4    

1 SUBSTATION NAME AND NUMBER	<u>Little Mount</u>	<u>27</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Spencer-Hwy 44-Little Mount</u>	
3 CIRCUIT NAME AND NUMBER	<u>#4 Towards T-ville to Tanglewood</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Towards T-ville to Tanglewood</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>22</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>370</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>61% Lightning, 23% Trees</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>66.11</u>
10 REPORTING YEAR (SAIDI)		<u>144.18</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.91</u>
12 REPORTING YEAR (SAIFI)		<u>2.24</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 30 - 2

1 SUBSTATION NAME AND NUMBER	<u>Deatesville</u>	<u>30</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Deatesville Road</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Hwy 245 &amp; Samuels</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 245 7 Samuels</u>	
5 TOTAL CIRCUIT LENGTH IN MILES		<u>39.1</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>936</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>26% Lightning, 24% Unknown, 17% Equipment, 8% Tree</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>46.4</u>
10 REPORTING YEAR (SAIDI)		<u>165.85</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.67</u>
12 REPORTING YEAR (SAIFI)		<u>2.49</u>
13 CORRECTIVE ACTION PLAN	<u>None</u>	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 30 - 3

1 SUBSTATION NAME AND NUMBER	Deatesville	30
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Deatesville Road	
3 CIRCUIT NAME AND NUMBER	#3 Cedar Grove Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Cedar Grove Road	
5 TOTAL CIRCUIT LENGTH IN MILES		23.8
6 CUSTOMER COUNT FOR THIS CIRCUIT		299
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	16% Small Animals, 15% Unknown, 15% Tree, 14% Lightning	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		101.4
10 REPORTING YEAR (SAIDI)		122.95
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.28
12 REPORTING YEAR (SAIFI)		2
13 CORRECTIVE ACTION PLAN	None	

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

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 30 - 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		24
6 CUSTOMER COUNT FOR THIS CIRCUIT		204
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	41% Unknown, 17% Equipment, 15% Ice, 11% Tree	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		111.17
10 REPORTING YEAR (SAIDI)		224.5
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.27
12 REPORTING YEAR (SAIFI)		2.48
13 CORRECTIVE ACTION PLAN	None	

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

# 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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## 2015 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**

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

February 16, 2016

To: Kentucky Public Service Commission

Subject: 2015 Prepay Metering Report

From the beginning of the prepay program in September 2012, 2084 members have participated in the program. Of those, 678 members enrolled in the prepay program in 2015. As of the end of 2015, there were 1,017 active participants.

In 2015, 481 members stopped participating in the prepay program. Of them 295 moved, 14 converted to post-pay, 167 did not make a payment after the meter disconnected for lack of funds, 2 deceased, 2 did not occupy location, and 1 disconnected to redo service.

In 2015, there were 11,926 disconnects due to the account balance depleting to zero or below. These disconnects occurred on 1,000 members.

Sincerely,



Melissa R Hite  
Manager of Information Technology and Billing