



SALT RIVER ELECTRIC

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

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MAR 31 2015

PUBLIC SERVICE
COMMISSION

March 30, 2014

Director of Engineering
KY Public Service Commission
PO Box 615
Frankfort KY 40602-0615

Re: 2014 Electric Distribution Utility Annual Reliability Report
and
2014 Pre-Pay Metering Report

Dear Sir:

Enclosed is the 2014 Annual Reliability Report and 2014 Prepay Metering Report for Salt River Electric Cooperative Corporation, Bardstown, Kentucky.

If you require further information or have any questions regarding this report, please contact me at 502.350.1605.

Sincerely,

Timothy J. Sharp PE
Assistant President and CEO and Chief Operating Officer

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
MAR 31 2015
PUBLIC SERVICE
COMMISSION

In the Matter of:

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

* * * * *

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



2014
ELECTRIC DISTRIBUTION UTILITY
ANNUAL RELIABILITY REPORT

Prepared by:
Timothy J. Sharp PE
Assistant President and CEO and Chief Operating Officer
tjsharp@srelectric.com
(502) 350.1605

2014 Reliability Report Tab 1

2014 Vegetation Management Plan Tab 2

2014 Prepay Metering Report Tab 3

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	<u>Salt River Electric</u>
REPORT PREPARED BY	1.2	<u>Tim Sharp</u>
E-MAIL ADDRESS OF PREPARER	1.3	<u>tjsharp@srelectric.com</u>
PHONE NUMBER OF PREPARER	1.4	<u>502-350-1605</u>

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2014</u>
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>10.3</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2009</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>1/1/2013</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>2</u>

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

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

TOTAL CUSTOMERS	<u>49130</u>	TOTAL CIRCUITS	<u>99</u>
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Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>96.6</u>	SAIDI	<u>81.7</u>
SAIFI	<u>1.13</u>	SAIFI	<u>0.95</u>

Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>119.5</u>	SAIDI	<u>160.2</u>
SAIFI	<u>1.26</u>	SAIFI	<u>1.27</u>

Notes:

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

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 1-1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Balltown</u>	<u>1</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Balltown Road</u>	
3 CIRCUIT NAME AND NUMBER	<u># Holy Cross</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Balltown Road - Southern Nelson County</u>	
5 TOTAL CIRCUIT LENGTH	<u>88.6 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1030</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>55% Equipment, 12% Trees,9% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>156.54</u>
10 REPORTING YEAR (SAIDI)		<u>104</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.89</u>
12 REPORTING YEAR (SAIFI)		<u>2.69</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

88.6

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT	<u># 1 - 5</u>	
1 SUBSTATION NAME AND NUMBER	<u>Balltown</u>	<u>1</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - Balltown Road</u>	
3 CIRCUIT NAME AND NUMBER	<u>#5 Bluegrass Parkway @ 31 E</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 31 E from Bluegrass Parkway to Balltown</u>	
5 TOTAL CIRCUIT LENGTH	<u>34.7 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>710</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>38.4% Trees, 23.9% Animals, 17.6% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>45.63</u>
10 REPORTING YEAR (SAIDI)		<u>37.34</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.489</u>
12 REPORTING YEAR (SAIFI)		<u>0.572</u>
13 COORECTIVE 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># 4 - 1</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>#1 Simpson Creek - Fairfield</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Fairfield - Simpson Creek</u>	
5 TOTAL CIRCUIT LENGTH	<u>31.6 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>189</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>42.5% Trees, 40.9% Unknown, 16% Power Supply</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>361.02</u>
10 REPORTING YEAR (SAIDI)		<u>654.73</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.46</u>
12 REPORTING YEAR (SAIFI)		<u>3.32</u>
13 COORECTIVE 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># 4 -5</u>	
1 SUBSTATION NAME AND NUMBER	<u>Bloomfield</u>	<u>4</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - Hwy 1066 - Bloomfield</u>	
3 CIRCUIT NAME AND NUMBER	<u>#5 Springfield - Campground Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield Road & Campground Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>40.2 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>255</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>73.6% Power Supply, 21.3% Animals</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>219.03</u>
10 REPORTING YEAR (SAIDI)		<u>219.55</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.86</u>
12 REPORTING YEAR (SAIFI)		<u>1.39</u>
13 COORECTIVE 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># 6 - 3</u>	
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	<u>16 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>390</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>92.2 % Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>39.74</u>
10 REPORTING YEAR (SAIDI)		<u>64.33</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.94</u>
12 REPORTING YEAR (SAIFI)		<u>1.023</u>
13 COORECTIVE 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 # 8 - 1

1 SUBSTATION NAME AND NUMBER	Gospel Hill	8
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44	
3 CIRCUIT NAME AND NUMBER	#1 Yorkshire	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Yorkshire	
5 TOTAL CIRCUIT LENGTH	11.4 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		217
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	68.4% Power Supply, 17% Trees	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		51.87
10 REPORTING YEAR (SAIDI)		116.11
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.361
12 REPORTING YEAR (SAIFI)		2.253
13 COORECTIVE 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># 8 - 5</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>#5 Kings Forest - Chillicoop</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Kings Forest & Chillicoop Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>40.1 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>997</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>58.9% Power Supply, 31.1% Trees</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>122.6</u>
10 REPORTING YEAR (SAIDI)		<u>170.27</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.166</u>
12 REPORTING YEAR (SAIFI)		<u>2.631</u>
13 COORECTIVE 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># 12 - 1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Mt. Washington</u>	<u>12</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 44 - Mt. Washington</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 Hwy 44E to Bullitt East</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mt. Washington - Hwy 44 E</u>	
5 TOTAL CIRCUIT LENGTH	<u>20.4 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1019</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2011</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>79.4% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>35.85</u>
10 REPORTING YEAR (SAIDI)		<u>110.66</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.612</u>
12 REPORTING YEAR (SAIFI)		<u>1.368</u>
13 COORECTIVE 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># 14 - 2</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>#2 Zoneton</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Zoneton area</u>	
5 TOTAL CIRCUIT LENGTH	<u>27.4 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>727</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2011</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>62.6% Motor Vehicle, 23.8 Lightning</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>37.54</u>
10 REPORTING YEAR (SAIDI)		<u>160.07</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.636</u>
12 REPORTING YEAR (SAIFI)		<u>1.519</u>
13 COORECTIVE ACTION PLAN	<u>Substation will be rebuilt 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	<u># 15 - 2</u>	
1 SUBSTATION NAME AND NUMBER	<u>Shepherdsville</u>	<u>15</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 61 - Shepherdsville</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Cedar Grove Industrial Park</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Cedar Grove Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH	<u>38.3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>222</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>87.3% Wind</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>25.37</u>
10 REPORTING YEAR (SAIDI)		<u>230.94</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.3967</u>
12 REPORTING YEAR (SAIFI)		<u>1.47</u>
13 COORECTIVE 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># 152-6</u>	
1 SUBSTATION NAME AND NUMBER	<u>Shepherdsville</u>	<u>15</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 61 - Shepherdsville</u>	
3 CIRCUIT NAME AND NUMBER	<u>#6 Beech Grove</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Beech Grove Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>19.3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1109</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>98.3% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>35.55</u>
10 REPORTING YEAR (SAIDI)		<u>47.06</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.454</u>
12 REPORTING YEAR (SAIFI)		<u>0.42</u>
13 COORECTIVE 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># 17 - 3</u>	
1 SUBSTATION NAME AND NUMBER	<u>Taylorsville</u>	<u>17</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Spencer - Hwy 44 - Taylorsville</u>	
3 CIRCUIT NAME AND NUMBER	<u># 3 Hwy 44 to Waterford</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 44 to Waterford</u>	
5 TOTAL CIRCUIT LENGTH	<u>76 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>818</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>60.5% Trees, 14.1% Motor Vehicle</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>9.71</u>
10 REPORTING YEAR (SAIDI)		<u>32.87</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.137</u>
12 REPORTING YEAR (SAIFI)		<u>0.321</u>
13 COORECTIVE 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 # 20 - 2

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>#2 Hwy 44 & Greenbriar</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Mt. Washington-Greenbriar Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>20.8 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>742</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2011</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>60% Wind, 24.3% Motor Vehicle</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>42.1</u>
10 REPORTING YEAR (SAIDI)		<u>88.09</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.612</u>
12 REPORTING YEAR (SAIFI)		<u>1.72</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 21 - 4

1 SUBSTATION NAME AND NUMBER	Beulah Beam	21
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-Hwy 44-Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#4 Hwy 44 to Lazy River	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Hwy 44 to Lazy River	
5 TOTAL CIRCUIT LENGTH	40 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		878
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	51.4% Equipment Failure, 16.5% Switching Error 12.5% Animals	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		71.21
10 REPORTING YEAR (SAIDI)		108.75
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.292
12 REPORTING YEAR (SAIFI)		1.879
13 COORECTIVE 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 - 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	<u>59.6 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>602</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2014</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>46.7% Trees, 36% Motor Vehicle</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>73.31</u>
10 REPORTING YEAR (SAIDI)		<u>79.42</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.551</u>
12 REPORTING YEAR (SAIFI)		<u>1.949</u>
13 COORECTIVE 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># 22 - 3</u>	
1 SUBSTATION NAME AND NUMBER	<u>Joe Tichenor</u>	<u>22</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-US 31E-Cox's Creek</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 Hwy 509 - Fairfield</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 509 - Fairfield</u>	
5 TOTAL CIRCUIT LENGTH	<u>85.4 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>607</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>26.6% Trees, 26.5% Lightning, 24.8% Motor Vehicle</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>66.19</u>
10 REPORTING YEAR (SAIDI)		<u>73.63</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.579</u>
12 REPORTING YEAR (SAIFI)		<u>0.735</u>
13 COORECTIVE ACTION PLAN		

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># 23 - 3</u>	
1 SUBSTATION NAME AND NUMBER	<u>Darwin Thomas</u>	<u>23</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Spencer-Hwy 155-Elk Creek</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 Kings Chuch Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Kings Church Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>45.9 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>882</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2011</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>81.6% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>23.14</u>
10 REPORTING YEAR (SAIDI)		<u>179.91</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.385</u>
12 REPORTING YEAR (SAIFI)		<u>1.384</u>
13 COORECTIVE 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># 26 - 1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Fredricksburg</u>	<u>26</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Washington-Fredricksburg</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 Lincoln Park Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Lincoln Park Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>42.9 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>332</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>41.9% Trees, 31.7% Lightning, 16.1% Motor Vehicle</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>35.8</u>
10 REPORTING YEAR (SAIDI)		<u>113.45</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.414</u>
12 REPORTING YEAR (SAIFI)		<u>0.889</u>
13 COORECTIVE 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># 28 - 3</u>	
1 SUBSTATION NAME AND NUMBER	<u>Bluegrass Parkway</u>	<u>28</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Bluegrass Parkway-Bardstown</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 US 62</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown-US 62</u>	
5 TOTAL CIRCUIT LENGTH	<u>83.3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1404</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>49.7% Motor Vehicle, 31.2% Trees, 14.3% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>83.52</u>
10 REPORTING YEAR (SAIDI)		<u>231.55</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.09</u>
12 REPORTING YEAR (SAIFI)		<u>2.413</u>
13 COORECTIVE 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># 29-3</u>	
1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove Industrial Park</u>	<u>29</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-Hwy 480-Shepherdsville</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 North Side Industrial & Hwy 44</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>North of Cedar Grove Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH	<u>3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>36</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% Power Supply</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>12.82</u>
10 REPORTING YEAR (SAIDI)		<u>30.14</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.366</u>
12 REPORTING YEAR (SAIFI)		<u>0.972</u>
13 COORECTIVE 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># 292-7</u>	
1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove Industrial Park</u>	<u>29</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-Hwy 480-Shepherdsville</u>	
3 CIRCUIT NAME AND NUMBER	<u>#7 East Side Industrial Park</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>East Side of Cedar Grove Industrial Park</u>	
5 TOTAL CIRCUIT LENGTH	<u>4.3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>39</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% Power Supply</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>0.41</u>
10 REPORTING YEAR (SAIDI)		<u>33.21</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.011</u>
12 REPORTING YEAR (SAIFI)		<u>0.949</u>
13 COORECTIVE 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># 30 - 3</u>	
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>#3 Cedar Grove Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Cedar Grove Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>23.6 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>299</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2011</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>49.5% Trees, 28.9% Unknown, 24% Equipment Failure</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>88.74</u>
10 REPORTING YEAR (SAIDI)		<u>117.84</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.011</u>
12 REPORTING YEAR (SAIFI)		<u>1.348</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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

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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March 5, 2015

To: Kentucky Public Service Commission

Subject: 2014 Prepay Metering Report

From the beginning of the prepay program in September 2012, 1359 members have participated in the program. Of those, 691 members enrolled in the prepay program in 2014. As of the end of 2014, there were 831 active participants.

In 2014, 339 members stopped participating in the prepay program. Of them 223 moved, 12 converted to post-pay, 100 did not make a payment after the meter disconnected for lack of funds, 2 were disconnected because of fires at the location, 1 was evicted, and 1 was disconnected for repairs and never reconnected.

In 2014, there were 8683 disconnects due to the account balance depleting to zero or below. These disconnects occurred on 746 members.

Sincerely,

Melissa R Hite
Manager of Information Technology and Billing