

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            )

\* \* \* \* \*

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



Salt River Electric

2013  
ELECTRIC DISTRIBUTION UTILITY  
ANNUAL RELIABILITY REPORT

Prepared by:  
Timothy J. Sharp PE  
Chief Operating Officer  
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(502) 350.1605



# SALT RIVER ELECTRIC

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

RECEIVED

MAR 31 2014

PUBLIC SERVICE  
COMMISSION

March 31, 2014

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

Re: 2013 Electric Distribution Utility Annual Reliability Report  
Salt River Electric Cooperative Corporation

Dear Sir:

Enclosed is the Electric Distribution Utility Annual Reliability Report – Reporting Year 2013 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  
Chief Operating Officer  
Salt River Electric Cooperative Corporation



Salt River Electric

# 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>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>

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### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2013</u>
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### SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>11.31</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2008</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>1/1/2012</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>48636</u>	TOTAL CIRCUITS	<u>99</u>
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#### Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>102.9</u>	SAIDI	<u>88.4</u>
SAIFI	<u>1.28</u>	SAIFI	<u>1.11</u>

#### Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>1122.1</u>	SAIDI	<u>110.5</u>
SAIFI	<u>1.73</u>	SAIFI	<u>1.22</u>

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#### 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 # 1-2

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1 SUBSTATION NAME AND NUMBER	<u>Balltown</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Balltown Road</u>
3 CIRCUIT NAME AND NUMBER	<u>#2 Culvertown</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>South New Haven Road</u>
5 TOTAL CIRCUIT LENGTH	<u>47.7 Miles</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u></u>
7 DATE OF LAST CIRCUIT TRIM (VM)	<u></u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>Unknown 53%, Equipment 31%, 89 6% Vehicle</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u></u>
10 REPORTING YEAR (SAIDI)	<u></u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u></u>
12 REPORTING YEAR (SAIFI)	<u></u>
13 COORECTIVE ACTION PLAN	<u>None</u>

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REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AN

# 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)

---

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

---

CIRCUIT # 1-2

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>#2 Culvertown</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>South New Haven Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>47.7 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>635</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>Unknown 53%, Equipment 31%, 8% Trees, 6% Vehicle</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>62</u>
10 REPORTING YEAR (SAIDI)		<u>83.24</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.919</u>
12 REPORTING YEAR (SAIFI)		<u>0.748</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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># 1 - 4</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>#4 Nat Rogers Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Nat Rogers Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>35.9 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>337</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>Trees 85%,Equipment 11%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>71.86</u>
10 REPORTING YEAR (SAIDI)		<u>75.63</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.24</u>
12 REPORTING YEAR (SAIFI)		<u>0.96</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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 # 2 - 1

1 SUBSTATION NAME AND NUMBER	<u>Bardstown Shopping Center</u>	<u>2</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson-Bardstown, Court House</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 Heaven Hill</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown, Loretto Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>23.5 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>269</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>Animals 37%,Lightning 29%,Equipment 25%,Trees 8%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>22.73</u>
10 REPORTING YEAR (SAIDI)		<u>33.51</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.487</u>
12 REPORTING YEAR (SAIFI)		<u>0.435</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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

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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># 3 - 1</u>	
1 SUBSTATION NAME AND NUMBER	<u>Beams</u>	<u>3</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - Hwy 245 - Clermont</u>	
3 CIRCUIT NAME AND NUMBER	<u>#1 US 245 to Lotus</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 245 to Lotus</u>	
5 TOTAL CIRCUIT LENGTH	<u>9.7 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>41</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>Power Supply 93%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>28.84</u>
10 REPORTING YEAR (SAIDI)		<u>75.85</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.15</u>
12 REPORTING YEAR (SAIFI)		<u>1.05</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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

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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 # 3 - 2

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1 SUBSTATION NAME AND NUMBER	Beams	3
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 245 - Clermont	
3 CIRCUIT NAME AND NUMBER	US 245 to I-65	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	US 245 to I-65	
5 TOTAL CIRCUIT LENGTH	26.5 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		408
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	Power Supply 51%,Contractors 20% Lightning 9%, Vehicle 8%,Equipment 6%,Animals 6%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		45.86
10 REPORTING YEAR (SAIDI)		168.99
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.2
12 REPORTING YEAR (SAIFI)		2.25
13 COORECTIVE 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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## 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 # 4 - 1

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>196</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2010</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>Equipment 65%,Trees 35%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>188.21</u>
10 REPORTING YEAR (SAIDI)		<u>135.79</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.52</u>
12 REPORTING YEAR (SAIFI)		<u>1.53</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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

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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 # 4 - 2

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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	<u>69.3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>454</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>Animals 93%, Equipment 7%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>76.9</u>
10 REPORTING YEAR (SAIDI)		<u>103.67</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.02</u>
12 REPORTING YEAR (SAIFI)		<u>1.12</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 4 -5

1 SUBSTATION NAME AND NUMBER	<u>Bloomfield</u>	<u>4</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - Hwy 1066 - Bloomfield</u>	
3 CIRCUIT NAME AND NUMBER	<u>#5 Springfield - Campground Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield Road &amp; Campground Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>39.9 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>247</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>Trees 75%, Equipment 14%, Ice 5%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>131.62</u>
10 REPORTING YEAR (SAIDI)		<u>359.55</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.09</u>
12 REPORTING YEAR (SAIFI)		<u>2.58</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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># 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	<u>32.7 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>832</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>Trees 61%,Unknown 16%, Animals 9% Equipment 7%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>65.78</u>
10 REPORTING YEAR (SAIDI)		<u>96.37</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.91</u>
12 REPORTING YEAR (SAIFI)		<u>1.39</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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

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1 SUBSTATION NAME AND NUMBER	Brooks	6
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Coral Ridge Road - Brooks	
3 CIRCUIT NAME AND NUMBER	#3 Bullitt County Stone	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Bullitt County Stone area	
5 TOTAL CIRCUIT LENGTH	13.8 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		337
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	Trees 65%, Contractors 35%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		17.29
10 REPORTING YEAR (SAIDI)		37.12
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.13
12 REPORTING YEAR (SAIFI)		0.6
13 COORECTIVE 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># 6 - 6</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>#6 Pryor Valley</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Pryor Valley</u>
5 TOTAL CIRCUIT LENGTH	<u>30.2 Miles</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>606</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>Trees 61%, Equipment 24%, Lightning 12%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>84.51</u>
10 REPORTING YEAR (SAIDI)	<u>214.95</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.62</u>
12 REPORTING YEAR (SAIFI)	<u>2.06</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

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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>#7 - 1</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>#1 Bloomfield Road to Eastland</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Eastland</u>	
5 TOTAL CIRCUIT LENGTH	<u>6.1 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>323</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>Lightning 84%, Unknown 12%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>57.41</u>
10 REPORTING YEAR (SAIDI)		<u>171.69</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.88</u>
12 REPORTING YEAR (SAIFI)		<u>2.02</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 7 - 2

1 SUBSTATION NAME AND NUMBER	<u>East Bardstown</u>	<u>7</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Nelson - US 62 - Bardstown</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Caney Fork - Plum Run</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Bardstown - Caney Fork &amp; Plum Run</u>	
5 TOTAL CIRCUIT LENGTH	<u>46.3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>1307</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>Equipment 53%, Vehicle 37%, Trees 7%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>43.25</u>
10 REPORTING YEAR (SAIDI)		<u>116.63</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.07</u>
12 REPORTING YEAR (SAIFI)		<u>2.19</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 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	<u>2.2 Miles</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>Animals 50%, Unknown 50%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>2.65</u>
10 REPORTING YEAR (SAIDI)		<u>8.09</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.04</u>
12 REPORTING YEAR (SAIFI)		<u>0.09</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 8 - 1

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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		221
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	Trees 99%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		35.54
10 REPORTING YEAR (SAIDI)		44.16
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.96
12 REPORTING YEAR (SAIFI)		0.34
13 COORECTIVE 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 # 11 - 2

1 SUBSTATION NAME AND NUMBER	<u>Cedar Grove</u>	<u>11</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 480</u>	
3 CIRCUIT NAME AND NUMBER	<u>#2 Ridge Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Ridge Road</u>	
5 TOTAL CIRCUIT LENGTH	<u>27.1 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>283</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>Trees 88%, Animals 12%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>80.84</u>
10 REPORTING YEAR (SAIDI)		<u>92.33</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>4.55</u>
12 REPORTING YEAR (SAIFI)		<u>0.569</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

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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

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>#3 US 480 East to Hwy 48</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>US 480 East to Hwy 48</u>	
5 TOTAL CIRCUIT LENGTH	<u>44 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>519</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>Trees 48%, Equipment 41%, Public 11%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>26.21</u>
10 REPORTING YEAR (SAIDI)		<u>54.99</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.8</u>
12 REPORTING YEAR (SAIFI)		<u>0.45</u>
13 COORECTIVE ACTION PLAN	<u>Circuit is being partially rebuilt in 2014</u>	

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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

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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 # 12 - 1

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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>20.2 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>999</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>Trees 73%, Lightning 20%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>18.7</u>
10 REPORTING YEAR (SAIDI)		<u>20.09</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.79</u>
12 REPORTING YEAR (SAIFI)		<u>0.25</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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># 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	<u>93.9 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>628</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>Equipment 82%, Unknown 9%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>178.49</u>
10 REPORTING YEAR (SAIDI)		<u>350.85</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.03</u>
12 REPORTING YEAR (SAIFI)		<u>4.22</u>
13 COORECTIVE ACTION PLAN	<u>Circuit is being partially rebuilt in 2014</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 # 13 - 4

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1 SUBSTATION NAME AND NUMBER	North Springfield	13
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Washington - Hwy 555 - Springfield	
3 CIRCUIT NAME AND NUMBER	#4 Lincoln Park Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Lincoln Park Road	
5 TOTAL CIRCUIT LENGTH	24.2 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		251
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	Equipment 94%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		35.44
10 REPORTING YEAR (SAIDI)		59.9
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.15
12 REPORTING YEAR (SAIFI)		0.96
13 COORECTIVE 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

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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 # 14 - 2

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>27.3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>725</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>Animals 75%, Unknown 20%, Trees 5%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>28.95</u>
10 REPORTING YEAR (SAIDI)		<u>76.77</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.75</u>
12 REPORTING YEAR (SAIFI)		<u>1.22</u>
13 COORECTIVE ACTION PLAN	<u>Substation will be rebuilt in 2016</u>	

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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

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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 # 14 - 4

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1 SUBSTATION NAME AND NUMBER	Pleasant Grove	14
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington	
3 CIRCUIT NAME AND NUMBER	#4 Bogard Lane	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Bogard Lane	
5 TOTAL CIRCUIT LENGTH	11.7 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		316
7 DATE OF LAST CIRCUIT TRIM (VM)		2011
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	Power Supply 78%, Vehicle 22%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		22.77
10 REPORTING YEAR (SAIDI)		15.25
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.83
12 REPORTING YEAR (SAIFI)		0.95
13 COORECTIVE ACTION PLAN	Substation will be rebuilt in 2016	

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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

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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># 15 - 3</u>
1 SUBSTATION NAME AND NUMBER	<u>Shepherdsville</u> <span style="float: right;"><u>15</u></span>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt - US 61 - Shepherdsville</u>
3 CIRCUIT NAME AND NUMBER	<u>#3 US 61 Belmont</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville - US 61 Belmont</u>
5 TOTAL CIRCUIT LENGTH	<u>49.6 Miles</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>639</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>Trees 47%, Equipment 37%, Power Supply 15%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>150.99</u>
10 REPORTING YEAR (SAIDI)	<u>403.46</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>2.32</u>
12 REPORTING YEAR (SAIFI)	<u>4.34</u>
13 COORECTIVE ACTION PLAN	<u>None</u>

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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

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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 # 15 - 5

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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	#5 Blue Lick Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville - Blue Lick Road	
5 TOTAL CIRCUIT LENGTH	26.8 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		1422
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	Equipment 54%, Power Supply 44%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		93.82
10 REPORTING YEAR (SAIDI)		141.33
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.09
12 REPORTING YEAR (SAIFI)		1.93
13 COORECTIVE 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

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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 # 15 - 6

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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	#6 Beech Grove Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville - Beech Grove Road	
5 TOTAL CIRCUIT LENGTH	19.3 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		1134
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	Power Supply 99%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		74.51
10 REPORTING YEAR (SAIDI)		145.32
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.28
12 REPORTING YEAR (SAIFI)		1.95
13 COORECTIVE 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

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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 - 1

1 SUBSTATION NAME AND NUMBER	South Springfield	16
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Washington - St. Rose Lebanon Road - Springfield	
3 CIRCUIT NAME AND NUMBER	#1 US 150 Bloomfield Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Springfield - US 150	
5 TOTAL CIRCUIT LENGTH	26.7 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		227
7 DATE OF LAST CIRCUIT TRIM (VM)		2011
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	Equipment 44%, Lightning 32%, Public 22%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		82.78
10 REPORTING YEAR (SAIDI)		231.82
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.38
12 REPORTING YEAR (SAIFI)		2.3
13 COORECTIVE 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

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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># 16 - 2</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>#2 Perryville Road</u>
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Springfield - Perryville Road</u>
5 TOTAL CIRCUIT LENGTH	<u>54.2 Miles</u>
6 CUSTOMER COUNT FOR THIS CIRCUIT	<u>478</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>Trees 64%, Equipment 19%, Lightning 11%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>48.79</u>
10 REPORTING YEAR (SAIDI)	<u>29.21</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>0.87</u>
12 REPORTING YEAR (SAIFI)	<u>0.3</u>
13 COORECTIVE ACTION PLAN	<u>None</u>

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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

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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 # 17 - 2

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1 SUBSTATION NAME AND NUMBER	Taylorsville	17
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer - Hwy 44 - Taylorsville	
3 CIRCUIT NAME AND NUMBER	#2 Lilly Pike to Hwy 48	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Lilly Pike to Hwy 48	
5 TOTAL CIRCUIT LENGTH	16.5 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		139
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	Animals 66%, Power Supply 23%, Unknown 11%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		38.15
10 REPORTING YEAR (SAIDI)		117.74
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.28
12 REPORTING YEAR (SAIFI)		2.09
13 COORECTIVE 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

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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 # 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	<u>70.8 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>805</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>Power Supply 60%, 40% Unknown</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>8.04</u>
10 REPORTING YEAR (SAIDI)		<u>7.81</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.62</u>
12 REPORTING YEAR (SAIFI)		<u>2.01</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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># 17 - 4</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>#4 Little Mount - Brashears Road</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Taylorsville toward Little Mount</u>	
5 TOTAL CIRCUIT LENGTH	<u>39.2 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>805</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>Trees 98%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>48.78</u>
10 REPORTING YEAR (SAIDI)		<u>160.37</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.23</u>
12 REPORTING YEAR (SAIFI)		<u>3.13</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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># 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	<u>22 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>728</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2010</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>Trees 71%, Lightning 19%, Animals 5%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>29.66</u>
10 REPORTING YEAR (SAIDI)		<u>54.13</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.73</u>
12 REPORTING YEAR (SAIFI)		<u>0.73</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 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	<u>16.6 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>422</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2010</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>Trees 94%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>21.65</u>
10 REPORTING YEAR (SAIDI)		<u>72.47</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.89</u>
12 REPORTING YEAR (SAIFI)		<u>1.15</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 - 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	<u>60.1 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>597</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2010</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>Lightning 81%, Trees 14%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>14.58</u>
10 REPORTING YEAR (SAIDI)		<u>21.44</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.47</u>
12 REPORTING YEAR (SAIFI)		<u>0.25</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

---

(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 - 2

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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	#2 Sawmill	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Sawmill	
5 TOTAL CIRCUIT LENGTH	.3 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		5
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	Power Supply 99%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		27.38
10 REPORTING YEAR (SAIDI)		98.4
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.29
12 REPORTING YEAR (SAIFI)		0.8
13 COORECTIVE 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

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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 - 3

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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	#3 Hwy 733 to Sanders Lane	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Boston-Hwy 733	
5 TOTAL CIRCUIT LENGTH	51 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		420
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	Trees 62%, Power Supply 26%, Equipment 12%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		124.64
10 REPORTING YEAR (SAIDI)		241.66
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.68
12 REPORTING YEAR (SAIFI)		2.95
13 COORECTIVE 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

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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># 19 - 4</u>
1 SUBSTATION NAME AND NUMBER	<u>Woosley</u> <span style="float: right;"><u>19</u></span>
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	<u>21.6 Miles</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>Planned 65%, Trees 20%, Animals 10%</u>
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	<u>66.03</u>
10 REPORTING YEAR (SAIDI)	<u>69.89</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	<u>1.66</u>
12 REPORTING YEAR (SAIFI)	<u>1.04</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

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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

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	<u>14.2 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>96</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>Trees 59%, Power Supply 41%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>60.91</u>
10 REPORTING YEAR (SAIDI)		<u>251.39</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.23</u>
12 REPORTING YEAR (SAIFI)		<u>1.87</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 - 2

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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	#2 Hwy 44 & Greenbriar	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Mt. Washington-Greenbriar Road	
5 TOTAL CIRCUIT LENGTH	20.7 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		740
7 DATE OF LAST CIRCUIT TRIM (VM)		2011
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	Trees 53%, Unknown 25%, Animals 22%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		24.81
10 REPORTING YEAR (SAIDI)		60.3
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.44
12 REPORTING YEAR (SAIFI)		1.01
13 COORECTIVE 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

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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	<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	<u>24.1 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>880</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>Lightning 46%, Power Supply 31%, Unknown 12%, Animals 6%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>81.08</u>
10 REPORTING YEAR (SAIDI)		<u>144.18</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2.11</u>
12 REPORTING YEAR (SAIFI)		<u>1.94</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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 # 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 Shephersville</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville-South</u>	
5 TOTAL CIRCUIT LENGTH	<u>11.4 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>709</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2010</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>Trees 32%, Lightning 31%, Equipment 15%</u> <u>Animals 13%, Unknown 9%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>20.04</u>
10 REPORTING YEAR (SAIDI)		<u>24.2</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.51</u>
12 REPORTING YEAR (SAIFI)		<u>0.41</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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

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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 - 3

1 SUBSTATION NAME AND NUMBER	<u>Beulah Beam</u>	<u>21</u>
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	<u>Bullitt-Hwy 44-Shepherdsville</u>	
3 CIRCUIT NAME AND NUMBER	<u>#3 North Shepherdsville</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Shepherdsville-North</u>	
5 TOTAL CIRCUIT LENGTH	<u>17.4 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>845</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2010</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>Public Tree 89%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>32.88</u>
10 REPORTING YEAR (SAIDI)		<u>43.02</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.83</u>
12 REPORTING YEAR (SAIFI)		<u>1.32</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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

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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 - 4

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>#4 Hwy 44 to Lazy River</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Hwy 44 to Lazy River</u>	
5 TOTAL CIRCUIT LENGTH	<u>30.4 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>966</u>
7 DATE OF LAST CIRCUIT TRIM (VM)		<u>2010</u>
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	<u>Unknown 24%, Trees 21%, Vehicle 20% Equipment 18%, Lightning 17%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>34.99</u>
10 REPORTING YEAR (SAIDI)		<u>61.92</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.08</u>
12 REPORTING YEAR (SAIFI)		<u>1.03</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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	31.8 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		353
7 DATE OF LAST CIRCUIT TRIM (VM)		2010
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	Lightning 94%, Equipment 6%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		54.34
10 REPORTING YEAR (SAIDI)		227.53
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.88
12 REPORTING YEAR (SAIFI)		1.48
13 COORECTIVE ACTION PLAN	Circuit will be rebuilt as part of road project	

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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

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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 # 23 - 3

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1 SUBSTATION NAME AND NUMBER	Darwin Thomas	23
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer-Hwy 155-Elk Creek	
3 CIRCUIT NAME AND NUMBER	#3 Kings Chuch Road	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Kings Church Road	
5 TOTAL CIRCUIT LENGTH	46 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		891
7 DATE OF LAST CIRCUIT TRIM (VM)		2011
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	Lightning 99%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		12.07
10 REPORTING YEAR (SAIDI)		13.59
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.3
12 REPORTING YEAR (SAIFI)		0.19
13 COORECTIVE 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

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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 # 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	<u>29.1 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>363</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>Power Supply 64%, Trees 22%, Lightning 8%, Unknown 6%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>71.96</u>
10 REPORTING YEAR (SAIDI)		<u>165.09</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.05</u>
12 REPORTING YEAR (SAIFI)		<u>1.47</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 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	<u>33.3 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>465</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>Trees 49%, Power Supply 22%, Equipment 20%, Vehicle 9%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>89.05</u>
10 REPORTING YEAR (SAIDI)		<u>275.36</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.94</u>
12 REPORTING YEAR (SAIFI)		<u>5.24</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 26 - 1

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>42.6 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>342</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>Lightning 99%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>92.24</u>
10 REPORTING YEAR (SAIDI)		<u>246.08</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>2</u>
12 REPORTING YEAR (SAIFI)		<u>1.55</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 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	<u>43.2 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>293</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>Trees 99%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>36.45</u>
10 REPORTING YEAR (SAIDI)		<u>79.15</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.83</u>
12 REPORTING YEAR (SAIFI)		<u>0.23</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 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	<u>45.5 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>306</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>Lightning 56%, Trees 32%, Equipment 12%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>131.15</u>
10 REPORTING YEAR (SAIDI)		<u>284.01</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>1.16</u>
12 REPORTING YEAR (SAIFI)		<u>1.23</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 27 - 2

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>#2 Little Mount</u>	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	<u>Little Mount Area</u>	
5 TOTAL CIRCUIT LENGTH	<u>32.8 Miles</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>Unknown 51%, Animals 26%, Lightning 12%, Equipment 10%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>26.98</u>
10 REPORTING YEAR (SAIDI)		<u>45.46</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.63</u>
12 REPORTING YEAR (SAIFI)		<u>0.44</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 27 - 3

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1 SUBSTATION NAME AND NUMBER	Little Mount	27
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer-Hwy 44-Little Mount	
3 CIRCUIT NAME AND NUMBER	#3 Possum Ridge	
4 CIRCUIT LOCATION (TOWN-RDAD-GENERAL AREA)	Possum Ridge	
5 TOTAL CIRCUIT LENGTH	19.5 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		177
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	Unknown 62%, Wind 26%, Animals 11%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		44.72
10 REPORTING YEAR (SAIDI)		82.51
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.68
12 REPORTING YEAR (SAIFI)		1.03
13 COORECTIVE 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

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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 # 28 - 3

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1 SUBSTATION NAME AND NUMBER	Bluegrass Parkway	28
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Bluegrass Parkway-Bardstown	
3 CIRCUIT NAME AND NUMBER	#3 US 62	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Bardstown-US 62	
5 TOTAL CIRCUIT LENGTH	83.3 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		1407
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	Wind 94%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		75.44
10 REPORTING YEAR (SAIDI)		318.37
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.84
12 REPORTING YEAR (SAIFI)		1.92
13 COORECTIVE 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

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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 # 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	<u>38.1 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>923</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>Miscoordination 71%, Overload 16%, Trees 13%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>27.4</u>
10 REPORTING YEAR (SAIDI)		<u>32.88</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.47</u>
12 REPORTING YEAR (SAIFI)		<u>0.3</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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

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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 # 30 - 3

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>23.8 Miles</u>	
6 CUSTOMER COUNT FOR THIS CIRCUIT		<u>298</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>Equipment 47%, Unknown 32%, Animals 21%</u>	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		<u>65.19</u>
10 REPORTING YEAR (SAIDI)		<u>66.3</u>
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		<u>0.99</u>
12 REPORTING YEAR (SAIFI)		<u>0.97</u>
13 COORECTIVE ACTION PLAN	<u>None</u>	

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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**

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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

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**SECTION 7: UTILITY COMMENTS**

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Salt River Electric

## 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.