



SALT RIVER ELECTRIC

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March 12, 2013

Director of Engineering
Attn: Annual Reliability Report
KY Public Service Commission
PO Box 615
Frankfort KY 40602-0615

Case No. 2006-00494

Re: 2012 Electric Distribution Utility Annual Reliability Report
Salt River Electric Cooperative Corporation

Dear Sir:

Enclosed is the *corrected* Electric Distribution Utility Annual Reliability Report – Reporting Year 2012 for Salt River Electric Cooperative Corporation, Bardstown, Kentucky. Data for a particular event day was inadvertently excluded in the original report.

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

Enclosure

cc: Larry Hicks

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

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

SECTION 2: REPORT YEAR

| | | |
|-------------------------|-----|-------------|
| CALENDAR YEAR OF REPORT | 2.1 | 2012 |
|-------------------------|-----|-------------|

SECTION 3: MAJOR EVENT DAYS

| | | |
|-----------------------------------|-----|------------|
| TMED | 3.1 | 11.26 |
| FIRST DATE USED TO DETERMINE TMED | 3.2 | 1/1/2008 |
| LAST DATE USED TO DETERMINE TMED | 3.3 | 12/31/2012 |
| NUMBER OF MED IN REPORT YEAR | 3.4 | 0 |

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

| | | |
|-------|-----|-------|
| SAIDI | 4.1 | 98.70 |
| SAIFI | 4.2 | 1.20 |
| CAIDI | 4.3 | 82.60 |

Including MED (Optional)

| | | |
|-------|-----|--------|
| SAIDI | 4.4 | 112.90 |
| SAIFI | 4.5 | 1.39 |
| CAIDI | 4.6 | 80.90 |

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
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Electric Distribution Utility Annual Reliability Report

SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

| CAUSE CODE DESCRIPTION | SAIDI VALUE | CAUSE CODE DESCRIPTION | SAIFI VALUE |
|-------------------------------|----------------|-------------------------------|----------------|
| 500 Lightning 5.1.1 | 40.75 | 500 Lightning 5.2.1 | 0.47 |
| 600 Small animal/bird 5.1.2 | 40.25 | 600 Small animal/bird 5.2.2 | 0.37 |
| 000 Power supply 5.1.3 | 25.80 | 999 Cause unknown 5.2.3 | 0.24 |
| 999 Cause unknown 5.1.4 | 17.70 | 000 Power supply 5.2.4 | 0.23 |
| 430 Tree failure from c 5.1.5 | 9.54 | 430 Tree failure from c 5.2.5 | 0.11 |
| 300 Material or equipr 5.1.6 | 8.39 | 300 Material or equipr 5.2.6 | 0.09 |
| 440 Trees with ice/sno 5.1.7 | 5.08 | 420 Tree growth 5.2.7 | 0.03 |
| 420 Tree growth 5.1.8 | 2.06 | 440 Trees with ice/sno 5.2.8 | 0.03 |
| 710 Motor vehicle 5.1.9 | 1.92 | 190 Other planned 5.2.9 | 0.02 |
| 190 Other planned 5.1.10 | 1.26 | 710 Motor vehicle 5.2.10 | 0.02 |
| 400 Decay 5.1.11 | 0.57 | 400 Decay 5.2.11 | 0.01 |

SECTION 6: WORST PERFORMING CIRCUITS

Excluding MED

| CIRCUIT IDENTIFIER | SAIDI | MAJOR OUTAGE CATEGORY |
|----------------------|--------|-----------------------|
| 08 (5) Gospel Hill 5 | 560.50 | Power Supplier |
| 19 (3) Woosley 3 | 481.69 | Lightning |
| 152 (5) Shepherds' 5 | 272.44 | Trees |
| 19 (2) Woosley 2 | 267.00 | Planned |
| 04 (1) Bloomfield 1 | 256.28 | Lightning |
| 27 (3) Little Moun 3 | 231.57 | Trees |
| 152 (4) Shepherds' 4 | 223.83 | Lightning |
| 27 (2) Little Moun 2 | 214.24 | Lightning |
| 19 (4) Woosley 4 | 182.20 | Lightning |
| 03 (2) Beams 2 | 178.24 | Motor Vehicle |

| CIRCUIT IDENTIFIER | SAIFI | MAJOR OUTAGE CATEGORY |
|----------------------|-------|-----------------------|
| 08 (5) Gospel Hill 5 | 3.888 | Power Supplier |
| 05 (1) Blue Lick 1 | 2.904 | Trees |
| 04 (1) Bloomfield 1 | 2.878 | Lightning |
| 27 (3) Little Moun 3 | 2.435 | Trees |
| 03 (2) Beams 3 | 2.362 | Trees |
| 19 (3) Woosley 3 | 2.344 | Lightning |
| 27 (2) Little Moun 2 | 2.313 | Unknown |
| 01 (1) Balltown 1 | 2.256 | Trees |
| 08 (4) Gospel Hill 4 | 2.018 | Trees |
| 152 (5) Sheperdsvi 5 | 1.917 | Lightning |
