



# SALT RIVER ELECTRIC

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

RECEIVED

APR 01 2009

PUBLIC SERVICE  
COMMISSION

March 31, 2009

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

Re: Administrative Case No. 2006 – 00494  
Annual Reliability Report for 2008  
Salt River Electric Cooperative Corporation

Dear Sir:

As ordered by the Commission on October 26, 2007, attached is the Annual Reliability Report – Reporting Year 2008 for Salt River Electric Cooperative Corporation, Bardstown, Kentucky, in the requested revised format.

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

Sincerely,

Timothy J. Sharp, PE  
Vice President of Operations

Attachments

cc: Larry Hicks

# 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>2008</u>
-------------------------	-----	-------------

---

## SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>11.07</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2004</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>12/31/2008</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>5</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 RESULTS

### Excluding MED

SAIDI	4.1	<u>110</u>
SAIFI	4.2	<u>1.345</u>
CAIDI	4.3	<u>82</u>

### Including MED (Optional)

SAIDI	4.4	<u>433</u>
SAIFI	4.5	<u>2.13</u>
CAIDI	4.6	<u>203.1</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
-

# Electric Distribution Utility Annual Reliability Report

---

## SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION		SAIDI VALUE	CAUSE CODE DESCRIPTION		SAIFI VALUE
TREE	5.1.1	51.2	TREE	5.2.1	0.346
POWER SUPPLIER	5.1.2	11.4	POWER SUPPLIER	5.2.2	0.345
UNKNOWN	5.1.3	10.8	UNKNOWN	5.2.3	0.162
EQUIPMENT	5.1.4	9.8	SCHEDULED	5.2.4	0.125
LIGHTNING	5.1.5	9.1	EQUIPMENT	5.2.5	0.112
SCHEDULED	5.1.6	6.0	LIGHTNING	5.2.6	0.077
VEHICLES OR MACHINERY	5.1.7	2.7	SMALL ANIMALS OR BIRD	5.2.7	0.045
SMALL ANIMALS OR BIRDS	5.1.8	2.5	VEHICLES OR MACHINER	5.2.8	0.041
CONDUCTOR SAG	5.1.9	1.7	ELECTRICAL OVERLOAD	5.2.9	0.038
ELECTRICAL OVERLOAD	5.1.10	1.3	CONDUCTOR SAG	5.2.10	0.014

## SECTION 6: WORST PERFORMING CIRCUITS

Excluding MED

CIRCUIT IDENTIFIER			SAIDI INDEXED	MAJOR OUTAGE CATEGORY
24 (1)	Knob Creek	1	12.6724	Tree
06 (5)	Brooks	5	7.4911	Tree
152 (5)	Shepherdsville	5	6.8028	Tree
05 (1)	Blue Lick	1	6.0937	Tree
11 (3)	Cedar Grove	3	5.5144	Tree
18 (1)	West Bard	1	4.8384	Power Supplier
11 (4)	Cedar Grove	4	4.2016	Tree
22 (2)	Tichenor	2	3.7946	Power Supplier
152 (6)	Shepherdsville	6	3.7433	Equipment
08 (5)	Gospel Hill	5	3.4802	Tree

CIRCUIT IDENTIFIER			SAIFI VALUE	MAJOR OUTAGE CATEGORY
24 (1)	Knob Creek	1	7.9395	Tree
06 (5)	Brooks	5	7.9255	Tree
05 (1)	Blue Lick	1	4.7677	Tree
11 (4)	Cedar Grove	4	4.7468	Tree
18 (1)	West Bard	1	4.6231	Power Supplier
22 (2)	Tichenor	2	4.5995	Power Supplier
20 (4)	W. Mt. Wash	4	4.4681	Tree
11 (3)	Cedar Grove	3	4.2906	Tree
19 (5)	Woosley	5	3.3222	Equipment
12 (1)	Mt. Wash	1	3.0477	Power Supplier