

# SALT RIVER ELECTRIC

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RECEIVED

March 7, 2011

MAR - 8 2011

PUBLIC SERVICE COMMISSION

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

Re: 2010 Annual Reliability Report Salt River Electric Cooperative Corporation

Dear Sir:

Enclosed is the Annual Reliability Report – Reporting Year 2010 for Salt River Electric Cooperative Corporation, Bardstown, Kentucky.

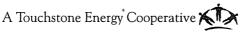
If you require further information or have any questions regarding this report, please contact me at 502.350.1605.

Sincerely,

Timothy J. Sharp, PE Vice President of Operations

Enclosure

cc: Larry Hicks



## Electric Distribution Utility Annual Reliability Report

#### SECTION 1: CONTACT INFORMATION

UTILITY NAME

1.1 Salt River Electric Cooperative Corp.1.2 Tim Sharp

REPORT PREPARED BY E-MAIL ADDRESS OF PREPARER

PHONE NUMBER OF PREPARER 1.4

1.3 tjsharp@srelectric.com

502-350-1605

### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT 2.1 2010

#### SECTION 3: MAJOR EVENT DAYS

TMED 3.1

- FIRST DATE USED TO DETERMINE TMED
- LAST DATE USED TO DETERMINE TMED
  - NUMBER OF MED IN REPORT YEAR
- 3.1
   13.09

   3.2
   1/1/2006

   3.3
   12/31/2010

   3.4
   0

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

	M REL	<u>IABILITY RESULTS</u> MED
SAIDI	4.1	99.00
SAIFI	4.2	1.14
CAIDI	4.3	86.80
Including	MED (	(Optional)
SAIDI	4.4	99.00
SAIFI	4.5	1.14
CAIDI	4.6	86.80

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		SAIDI	CAUSE CODE		SAIFI
DESCRIPTION		VALUE	DESCRIPTION		VALUE
POWER SUPPLIER	5.1.1	40.84	POWER SUPPLIER	5.2.1	0.43
TREE	5.1.2	13.03	TREE	5.2.2	0.11
LIGHTNING	5.1.3	11.93	EQUIPMENT	5.2.3	0.11
EQUIPMENT	5.1.4	9.07	LIGHTNING	5.2.4	0.11
UNKNOWN	5.1.5	6.97	VEHICLES, MACHINERY	5.2.5	0.10
SMALL ANIMALS, BIRDS	5.1.6	5.99	UNKNOWN	5.2.6	0.09
VEHICLES, MACHINERY	5.1.7	5.32	SMALL ANIMALS, BIRDS	5.2.7	0.09
FAULTY EQUIPMENT	5.1.8	2.23	SCHEDULED	5.2.8	0.05
SCHEDULED	5.1.9	1.80	FAULTY EQUIPMENT	5.2.9	0.02
DETERIORATION	5.1.10	0.61	CONSTRUCTION	5.2.10	0.02

#### SECTION 6: WORST PERFORMING CIRCUITS Excluding MED

SAIDI

#### CIRCUIT IDENTIFIER

		-
1 (1)	Balltown	1
1 (2)	Balltown	2
8 (5)	Gospel Hill	5
11 (3)	Cedar Grove	3
1 (4)	Balltown	4
4 (4)	Bloomfield	5
28 (3)	Cedar Grove Ind	3
122 (6)	Mt Washington	6
2 (2)	Bards Shopping	2
13 (5)	N. Springfield	5

#### **CIRCUIT IDENTIFIER**

8 (4)	Gospel Hill	4
11 (3)	Cedar Grove	3
8 (5)	Gospel Hill	5
8 (1)	Gospel Hill	1
6 (3)	Brooks	3
4 (5)	Bloomfield	5
19 (4)	Woosley	4
14 (1)	Pleasant Grove	1
19 (3)	Woosley	3
5 (4)	Blue Lick	4

#### Indexed MAJOR OUTAGE CATEGORY

11.52	Power Supplier
6.71	Power Supplier
4.83	Power Supplier
4.24	Equipment
3.46	Power Supplier
3.42	Lightning
3.18	Small Animals & Birds
3.05	Equipment
2.74	Equipment

2.74 Equipmer 2.58 Unknown

#### SAIFI

### VALUE MAJOR OUTAGE CATEGORY

- 4.81 Power Supplier
- 4.77 Equipment
- 3.22 Power Supplier
- 3.20 Power Supplier
- 3.19 Power Supplier
- 3.15 Lightning
- 3.13 Tree/Equipment
- 3.10 Tree/Equipment
- 3.08 Tree
- 2.95 Power Supplier