



SALT RIVER ELECTRIC

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

RECEIVED

MAR - 8 2011

PUBLIC SERVICE
COMMISSION

March 7, 2011

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	<u>Salt River Electric Cooperative Corp.</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>2010</u>
-------------------------	-----	-------------

SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>13.09</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2006</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>12/31/2010</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>0</u>

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

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	<u>99.00</u>
SAIFI	4.2	<u>1.14</u>
CAIDI	4.3	<u>86.80</u>

Including MED (Optional)

SAIDI	4.4	<u>99.00</u>
SAIFI	4.5	<u>1.14</u>
CAIDI	4.6	<u>86.80</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
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

CIRCUIT IDENTIFIER			SAIDI Indexed	MAJOR OUTAGE CATEGORY
1 (1)	Balltown	1	11.52	Power Supplier
1 (2)	Balltown	2	6.71	Power Supplier
8 (5)	Gospel Hill	5	4.83	Power Supplier
11 (3)	Cedar Grove	3	4.24	Equipment
1 (4)	Balltown	4	3.46	Power Supplier
4 (4)	Bloomfield	5	3.42	Lightning
28 (3)	Cedar Grove Ind.	3	3.18	Small Animals & Birds
122 (6)	Mt Washington	6	3.05	Equipment
2 (2)	Bards Shopping	2	2.74	Equipment
13 (5)	N. Springfield	5	2.58	Unknown

CIRCUIT IDENTIFIER			SAIFI VALUE	MAJOR OUTAGE CATEGORY
8 (4)	Gospel Hill	4	4.81	Power Supplier
11 (3)	Cedar Grove	3	4.77	Equipment
8 (5)	Gospel Hill	5	3.22	Power Supplier
8 (1)	Gospel Hill	1	3.20	Power Supplier
6 (3)	Brooks	3	3.19	Power Supplier
4 (5)	Bloomfield	5	3.15	Lightning
19 (4)	Woosley	4	3.13	Tree/Equipment
14 (1)	Pleasant Grove	1	3.10	Tree/Equipment
19 (3)	Woosley	3	3.08	Tree
5 (4)	Blue Lick	4	2.95	Power Supplier