



# SALT RIVER ELECTRIC

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

RECEIVED

MAR 8 2013

PUBLIC SERVICE  
COMMISSION

March 4, 2013

Director of Engineering  
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 Electric Distribution Utility Annual Reliability Report – Reporting Year 2012 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

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	112.90
SAIFI	4.2	1.39
CAIDI	4.3	80.90

---

### 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

---

## Electric Distribution Utility Annual Reliability Report

---

### SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
000 Power supply 5.1.1	42.46	000 Power supply 5.2.1	0.42
500 Lightning 5.1.2	28.83	500 Lightning 5.2.2	0.26
430 Tree failure from c 5.1.3	10.92	999 Cause unknown 5.2.3	0.14
999 Cause unknown 5.1.4	9.99	600 Small animal/bird 5.2.4	0.12
300 Material or equipr 5.1.5	7.25	430 Tree failure from c 5.2.5	0.11
600 Small animal/bird 5.1.6	7.24	300 Material or equipr 5.2.6	0.09
440 Trees with ice/sno 5.1.7	5.08	190 Other planned 5.2.7	0.08
710 Motor vehicle 5.1.8	5.06	710 Motor vehicle 5.2.8	0.08
190 Other planned 5.1.9	3.32	420 Tree growth 5.2.9	0.04
420 Tree growth 5.1.10	1.98	440 Trees with ice/sno 5.2.10	0.03

---

### 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

