

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	FARMERS RURAL ELECTRIC COOP
REPORT PREPARED BY	1.2	TONY WELLS
E-MAIL ADDRESS OF PREPARER	1.3	twells@farmersrecc.com
PHONE NUMBER OF PREPARER	1.4	(270) 651-2191

SECTION 2: REPORT YEAR

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

SECTION 3: MAJOR EVENT DAYS

T_{MED}	3.1	25.47
FIRST DATE USED TO DETERMINE T_{MED}	3.2	1/1/2007
LAST DATE USED TO DETERMINE T_{MED}	3.3	12/31/2011
NUMBER OF MED IN REPORT YEAR	3.4	1

NOTE: Per IEEE 1366 T_{MED} 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	167
SAIFI	4.2	1.37
CAIDI	4.3	115

Including MED (Optional)

SAIDI	4.4	232
SAIFI	4.5	1.71
CAIDI	4.6	136

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 T_{MED}
-

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
Weather	5.1.1	Weather	0.43
Tree - On Right of Way	5.1.2	Unknown	0.24
Tree - Off Right of Way	5.1.3	Planned	0.16
Unknown	5.1.4	Tree-Off Right of Way	0.15
Installation Problem	5.1.5	Public	0.14
Equipment Age/Condition	5.1.6	Installation Problem	0.14
Public	5.1.7	Tree-On Right of Way	0.12
Planned	5.1.8	Equipment Age/Condition	0.11
Maintenance, other	5.1.9	Maintenance, other	0.09
Animal	5.1.10	Animal	0.05

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
(4) KNOB LICK 04-01 6.1.1	600	Trees off Right of Way
(3) TEMPLE HILL 03-03 6.1.2	598	Trees on Right of Way
(3) TEMPLE HILL 03-05 6.1.3	576	Trees on Right of Way
(2) MUNFORDVILLE 02-06 6.1.4	553	Weather
(1) GOODNIGHT 01-02 6.1.5	459	Weather
(10) WEST GLASGOW 10-02 6.1.6	457	Weather
(3) TEMPLE HILL 03-01 6.1.7	379	Weather
(12) FOX HOLLOW 12-01 6.1.8	355	Weather
(4) KNOB LICK 04-04 6.1.9	344	Weather
(6) CAVE CITY 06-01 6.1.10	313	Public, Motor Vehicle

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
(3) TEMPLE HILL 03-05 6.2.1	4.08	Trees on Right of Way
(1) GOODNIGHT 01-04 6.2.2	3.94	Public
(4) KNOB LICK 04-01 6.2.3	3.69	Trees off Right of Way
(3) TEMPLE HILL 03-01 6.2.4	3.62	Weather
(10) WEST GLASGOW 10-01 6.2.5	3.54	Unknown
(4) KNOB LICK 04-04 6.2.6	3.36	Weather
(3) TEMPLE HILL 03-04 6.2.7	2.79	Weather
(2) MUNFORDVILLE 02-06 6.2.8	2.75	Weather
(1) GOODNIGHT 01-01 6.2.9	2.73	Weather
(10) WEST GLASGOW 10-02 6.2.10	2.58	Weather

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

Additional pages may be attached as necessary
SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Farmers RECC Vegetation Management Plan for 2013

Farmers Rural Electric will be committed to its members by providing safe reliable electricity.

For 2013 we have contracted with Enviromental Consultants Inc. (ECT) to help oversee and manage our Right-Of-Way Program.

In 2013 we have started work on three circuits out of Knob Lick Substation. We have contracted with A&G Tree Service to clear the following circuits.

- Knob Lick-Sulphur Well- Circuit # 1 which has 96 miles of line.
 - Knob Lick –Wisdom – Circuit # 5 which has 29 miles of line.
 - Knob Lick-Center Circuit # 4 which has 113 miles of line.
- Total of 238 miles of line.

We also have two A & G crews working hot spots & yard trees. They are cutting right of way for new work orders.

We have contracted with Osmose for herbicide spraying that will include several miles of line which will include the following circuits.

- Goodnight Circuit # 2- 62.7 miles
 - Seymour Circuit #2 - 112 miles
 - Munfordville Circuit #2 - 74.68 miles
 - Seymour Circuit # 4 - 50 miles
 - Cave City # 1 - 63 miles
- Total miles 362.38

By implementing this work plan we can keep our commitment to our consumers and provide a safe reliable service.

Terry Jeffries
Vice-President
Service and Maintenance

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 8: UTILITY COMMENTS

A large, empty rectangular box with a thin black border, intended for entering utility comments. The box is currently blank.