

Rural Electric Cooperative Corporation

A Touchstone Energy® Cooperative 

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PUBLIC SERVICE
COMMISSION

February 28, 2013

Mr. Jeff Derouen
Executive Director
Public Service Commission
211 Sower Blvd.
PO Box 615
Frankfort, KY 40602-0615

RE: Nolin Rural Electric Cooperative Corporations Reliability Report

Dear Mr. Derouen:

This correspondence is written in conjunction with the requirement by the Public Service Commission to have each Electric Distribution Supplier to give an Annual Reliability Report by the first work day in April of each year. Please find attached the annual report of:

SAIDI, SAIFI & CAIDI
Major event days
Outages by cause
Worse performing circuits

If you have any questions about the information rendered please contact me or the Vice President System Operations Vince Heuser at (270)765-6153.

Respectively Yours,

A handwritten signature in black ink, appearing to read "Greg Harrington".

Greg Harrington
Engineering Superintendent
Nolin Rural Electric Cooperative Corporation

ATTN: 3 PAGES

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	<u>Nolin RECC</u>
REPORT PREPARED BY	1.2	<u></u>
E-MAIL ADDRESS OF PREPARER	1.3	<u></u>
PHONE NUMBER OF PREPARER	1.4	<u></u>

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2012</u>
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	<u>9.58</u>
FIRST DATE USED TO DETERMINE TMED	3.2	<u>1/1/2007</u>
LAST DATE USED TO DETERMINE TMED	3.3	<u>12/31/2011</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>1</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>55.2</u>
SAIFI	4.2	<u>0.661</u>
CAIDI	4.3	<u>84</u>

Including MED (Optional)

SAIDI	4.4	<u></u>
SAIFI	4.5	<u></u>
CAIDI	4.6	<u></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
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Electric Distribution Utility Annual Reliability Report

SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION		SAIDI VALUE	CAUSE CODE DESCRIPTION		SAIFI VALUE
LIGHTNING	5.1.1	11.4	POWER SUPPLIER	5.2.1	0.184
POWER SUPPLIER	5.1.2	11.3	LIGHTNING	5.2.2	0.118
EQUIPMENT / MATERIAL FAILUR	5.1.3	8.1	TREES	5.2.3	0.101
SMALL ANIMALS OR BIRDS	5.1.4	6.0	NO CAUSE CODE	5.2.4	0.099
TREES	5.1.5	5.9	EQUIPMENT / MATERIAL FAILURE	5.2.5	0.094
PUBLIC ACCIDENTS, OTHER	5.1.6	4.6	SMALL ANIMALS OR BIRDS	5.2.6	0.050
MAJOR STORM	5.1.7	4.1	CONTRACTOR	5.2.7	0.044
NO CAUSE CODE	5.1.8	3.1	PUBLIC ACCIDENTS, OTHER	5.2.8	0.031
WIND, HIGH WIND	5.1.9	2.5	WIND, HIGH WIND	5.2.9	0.023
DAMAGED MATERIAL OR EQUIP	5.1.10	2.3	MAJOR STORM	5.2.10	0.018

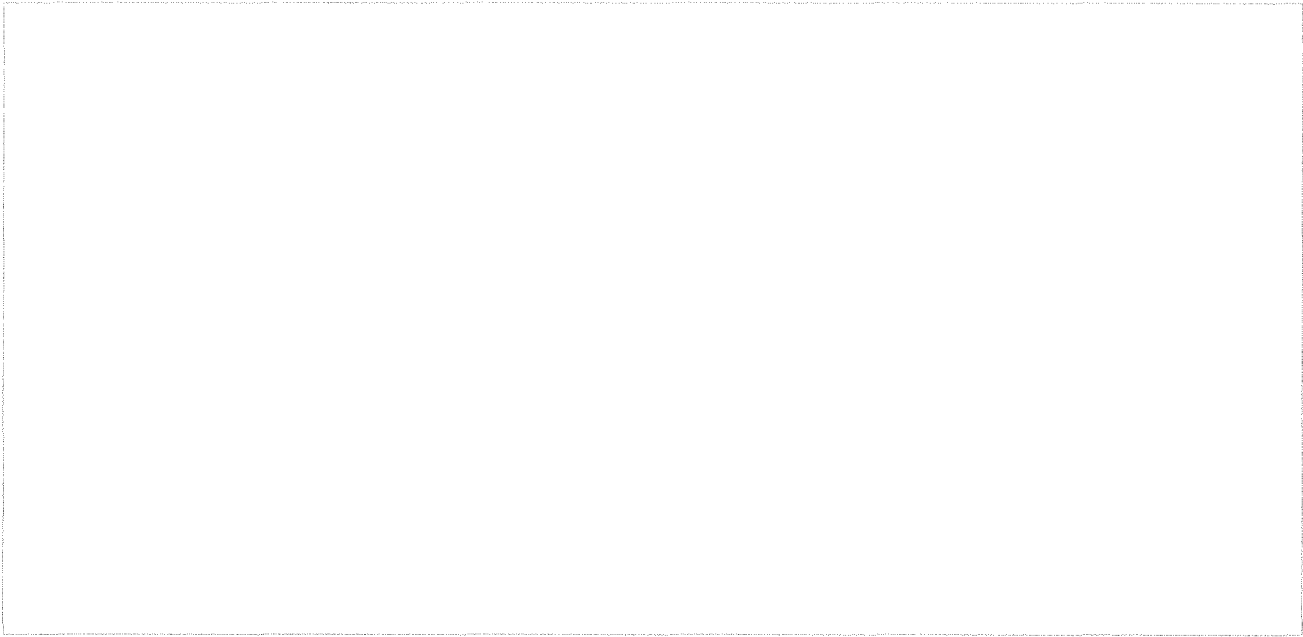
SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER		SAIDI VALUE	MAJOR OUTAGE CATEGORY
WILLIAMS #3	6.1.1	11.97	Lightning
SMITHERSVILLE 1 #4	6.1.2	8.38	Trees
ETOWN 2 #2	6.1.3	2.69	Lightning
GLENDALE #2	6.1.4	2.50	Lightning
STEPHENSBURG #1	6.1.5	2.24	Lightning
HODGENVILLE #3	6.1.6	1.97	Unknown cause
HODGENVILLE #1	6.1.7	1.65	Switching outage
STEPHENSBURG #5	6.1.8	1.39	Public accident
STEPHENSBURG #2	6.1.9	1.25	Telephone company
MAGNOLIA #1	6.1.10	1.17	Trees

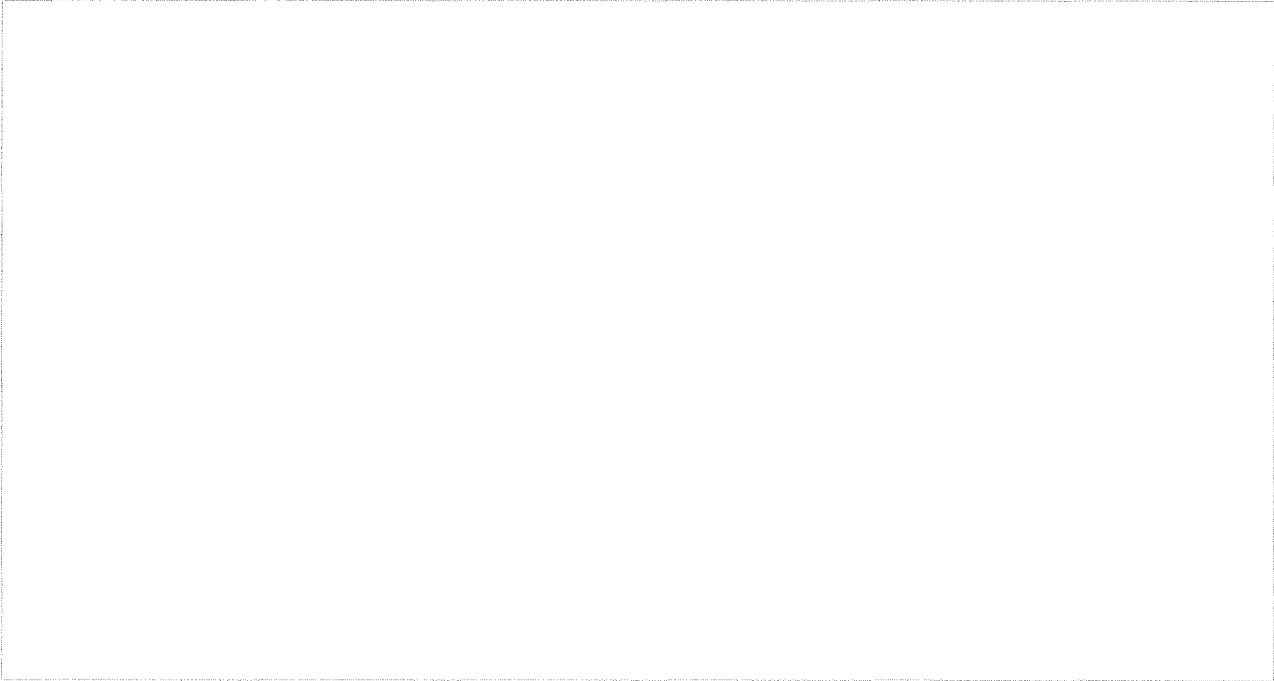
CIRCUIT IDENTIFIER		SAIFI VALUE	MAJOR OUTAGE CATEGORY
WILLIAMS #3	6.2.1	0.073	Lightning
SMITHERSVILLE 1 #4	6.2.2	0.050	Trees
STEPHENSBURG #1	6.2.3	0.035	Lightning
GLENDALE #2	6.2.4	0.032	Lightning
ETOWN 2 #2	6.2.5	0.024	Lightning
HODGENVILLE #1	6.2.6	0.022	Switching outage
STEPHENSBURG #5	6.2.7	0.021	Public accident
STEPHENSBURG #3	6.2.8	0.019	Power supplier
HODGENVILLE #2	6.2.9	0.019	Public accident
WILLIAMS #4	6.2.10	0.015	Lightning

Electric Distribution Utility Annual Reliability Report

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

A large, empty rectangular box with a thin black border, intended for the content of Section 7: Vegetation Management Plan Review.

SECTION 8: UTILITY COMMENTS

A large, empty rectangular box with a thin black border, intended for the content of Section 8: Utility Comments.