Rural Electric Cooperative Corporation

A Touchstone Energy Cooperative



March 17, 2014

MAR 19 2014
PUBLIC SERVICE
COMMISSION

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

2006-00494

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.

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	Nolin RECC
REPORT PREPARED BY	1.2	
E-MAIL ADDRESS OF PREPARER	1.3	
PHONE NUMBER OF PREPARER	1.4	

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT 2.1 2013

SECTION 3: MAJOR EVENT DAYS

TMED	3.1	18
FIRST DATE USED TO DETERMINE TMED	3.2	1/1/2007
LAST DATE USED TO DETERMINE TMED	3.3	12/31/2013
NUMBER OF MED IN REPORT YEAR	3.4	1
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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

4.6

SAIDI	4.1	109.8	
SAIFI	4.2	0.650	
CAIDI	4.3	168	
Includi	ng MEI	(Optional)	
SAIDI	4.4		
SAIFI	4.5		<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.

CAIDI

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			SAIFI
DESCRIPTION		VALUE	CAUSE CODE DESCRIPTION		VALUE
TREES	5.1.1	72.5	TREES	5.2.1	0.288
WIND, HIGH WIND	5.1.2	34.7	WIND, HIGH WIND	5.2.2	0.116
EQUIPMENT / MATERIAL FAILU	JR 5.1.3	6.9	UNKNOWN CAUSE	5.2.3	0.091
LIGHTNING	5.1.4	5.5	EQUIPMENT / MATERIAL FAILURE	5.2.4	0.047
DAMAGED MATERIAL OR EQU	IP 5.1.5	5.4	PUBLIC ACCIDENTS, OTHER	5.2.5	0.047
UNKNOWN CAUSE	5.1.6	4.6	DAMAGED MATERIAL OR EQUIP	5.2.6	0.049
MAJOR STORM	5.1.7	3.1	LIGHTNING	5.2.7	0.034
PUBLIC ACCIDENTS, OTHER	5.1.8	2.1	MAJOR STORM	5.2.8	0.025
FARM EQUIP.	5.1.9	0.3	WATER COMPANY	5.2.9	0.010
TREES AND ICE	5.1.10	0.5	SMALL ANIMALS OR BIRDS	5.2.10	0.005

SECTION 6: WORST PERFORMING CIRCUITS

		SAIDI	
CIRCUIT IDENTIFIER		VALUE	MAJOR OUTAGE CATEGORY
Tharpe (4)	6.1.1	546	Lightning
Williams (3)	6.1.2	480	Trees
Radcliff (3)	6.1.3	469	Trees
Glendale (2)	6.1.4	455	High wind
Colesburg (2)	6.1.5	423	Equipment/Material failure
Fort Knox (3)	6.1.6	417	Trees
Vertress (2)	6.1.7	322	High wind
Vertrees (1)	6.1.8	286	Trees
Magnolia (1)	6.1.9	264	Equipment/Material failure
Vine Grove (7)	6.1.10	261	Equipment/Material failure
		CAID	
ODOUT IDENTIFIED		SAIFI	
CIRCUIT IDENTIFIER			MAJOR OUTAGE CATEGORY
Williams (3)	6.2.1	0.089	Trees
Magnolia (1)	6.2.2	0.055	Trees
Tunnel Hill 1 (2)	6.2.3	0.041	Lightning
Radcliffe (3)	6.2.4	0.031	Lightning
Glendale (2)	6.2.5	0.029	Lightning
Vertrees (2)	6.2.6	0.028	Switching outage
Tharpe (4)	6.2.7	0.028	Lightning
Smithersville 2 (4)	6.2.8	0.024	Trees
Fort Knox (3)	6.2.9	0.022	Public accident
Hodgenville (1)	6.2.10	0.022	Lightning

Electric Distribution Utility Annual Reliability Report

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Additional pages may be attached as necessary SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW	
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SECTION 8: UTILITY COMMENTS	