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PUBLIC SERVICE
COMMISSION

Administrative Case No. 2006-00494

Annual Report for System Reliability

on

April 1, 2009

to

Public Service Commission Staff

Prepared by

NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION

&

ENVISION ENERGY SERVICES

Roger Wilson, PE

March 30, 2009



March 30, 2009

Director of Engineering
Public Service Commission
211 Sower Boulevard
PO Box 615
Frankfort, Kentucky 40602

RE: Administrative Case No. 2006-00494

With this letter Nolin Rural Electric Cooperative Corporation is filing its annual reliability reports as described in the October 26, 2007 order.

The Vegetation Management Program was reviewed and evaluated by the Nolin RECC's staff at the close of 2008. The Vegetation Management Program will continue as planned and budget funds have been provided for the 2009 year.

If you have further questions, please contact Vince Heuser [(270)765-6153] for a response.

Sincerely,

A handwritten signature in cursive script that reads "Roger Wilson".

Roger Dean Wilson, P.E.

Envision Energy Services

Nolin Rural Electric Cooperative Corporation

Annual Reliability Report 2008

System Outage Data Reference By Year

	SAIDI In minutes					CAIDI	SAIFI
	All	MED	PS	Sched	Other	In minutes All	
2000	56.9	7.4	0.0	2.7	46.8	390.7	0.15
2001	51.1	0.0	0.0	0.2	50.9	74.0	0.69
2002	123.9	80.7	0.0	0.6	42.6	89.0	1.39
2003	93.2	37.3	0.0	1.2	54.7	100.5	0.93
2004	736.8	669.4	4.2	1.6	61.5	308.8	2.39
2005	93.3	40.5	0.4	0.2	52.2	104.1	0.90
2006	104.8	60.7	0.0	0.0	44.0	159.6	0.66
2007	20.4	0.0	0.0	0.2	20.2	64.4	0.32
2008	208.5	166.1	0.0	0.2	42.2	231.9	0.90

MED is Major Event Day

Major Event Days	
2007	2008
None	29-Jan
	6-Feb
	14-Sep

5-year average

	All	MED	PS	Sched	Other
2000-2004	212.4	159.0	0.9	1.3	51.3
2001-2005	219.7	165.6	0.9	0.8	52.4
2002-2006	230.4	177.7	0.9	0.7	51.0
2003-2007	209.7	161.6	0.9	0.7	46.5
2004-2008	232.8	187.4	0.9	0.5	44.0

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WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER		SAIDI	MAJOR OUTAGE CATEGORY
Colesburg (4)	6.1.1	343	Farm equipment
Vine Grove (7)	6.1.2	258	Lightning
Tharp (4)	6.1.3	191	Trees
Vertrees (2)	6.1.4	146	High wind
Smithersville 2 (4)	6.1.5	143	Equipment/Material failure
Colesburg (2)	6.1.6	134	Trees
Magnolia (1)	6.1.7	130	High wind
Hodgenville (1)	6.1.8	117	Trees
Smithersville 1 (4)	6.1.9	84	Equipment/Material failure
Tunnel Hill 1 (2)	6.1.10	80	Equipment/Material failure

CIRCUIT IDENTIFIER		SAIFI VALUE	MAJOR OUTAGE CATEGORY
Tunnel Hill 1 (2)	6.2.1	0.037	Equipment/Material failure
Magnolia (1)	6.2.2	0.035	High wind
Hodgenville (1)	6.2.3	0.031	Trees
Vertrees (2)	6.2.4	0.026	High wind
Smithersville 2 (4)	6.2.5	0.026	Equipment/Material failure
Stephensburg (4)	6.2.6	0.021	Public accident
Stephensburg (5)	6.2.7	0.020	Trees
Rineyville (5)	6.2.8	0.016	Equipment/Material failure
Smithersville 1 (4)	6.2.9	0.016	Equipment/Material failure
Vine Grove (7)	6.2.10	0.015	Lightning

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OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION		SAIDI VALUE	CAUSE CODE DESCRIPTION		SAIFI VALUE
TREES	5.1.1	123.1	TREES	5.2.1	0.358
WIND, HIGH WIND	5.1.2	49.1	WIND, HIGH WIND	5.2.2	0.123
EQUIP / MATERIAL FAILURE	5.1.3	8.4	UNKNOWN CAUSE	5.2.3	0.091
LIGHTNING	5.1.4	5.8	EQUIP / MATERIAL FAILURE	5.2.4	0.067
DAMAGED MATER/ EQUIP	5.1.5	5.4	PUBLIC ACCIDENTS/OTHER	5.2.5	0.051
UNKNOWN CAUSE	5.1.6	5.0	DAMAGED MATER/ EQUIP	5.2.6	0.049
MAJOR STORM	5.1.7	3.3	LIGHTNING	5.2.7	0.036
PUBLIC ACCIDENTS/OTHER	5.1.8	2.3	MAJOR STORM	5.2.8	0.027
FARM EQUIP.	5.1.9	1.6	WATER COMPANY	5.2.9	0.010
TREES AND ICE	5.1.10	0.5	SMALL ANIMALS OR BIRDS	5.2.10	0.008