



Rural Electric Cooperative Corporation

A Touchstone Energy® Cooperative 

January 27, 2012

MR JEFF DEROUEN
EXECUTIVE DIRECTOR
PUBLIC SERVICE COMMISSION
PO BOX 615
FRANKFORT KY 40602

RE: PSC CASE NO. 2011-00450

Dear Mr. Derouen:

Please find enclosed an original and ten (10) copies of the responses of Nolin RECC as requested in the above referenced case.

If you have any questions, please let me know.

Sincerely,

Michael L Miller (afc)

Michael L. Miller
President & CEO

afc

Enclosures

RECEIVED

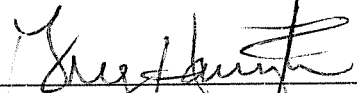
JAN 31 2012

**PUBLIC SERVICE
COMMISSION**

Commonwealth of Kentucky
Before the Public Service Commission
Case No. 2011-00450

VERIFICATION

I verify, state and affirm that the testimony filed with this verification and for which I am listed as a witness is true and correct to the best of my knowledge, information and belief formed after a reasonable inquiry.

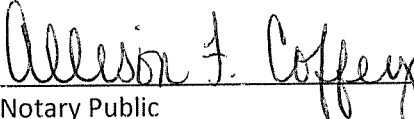


Greg Harrington, System Engineer

State of Kentucky

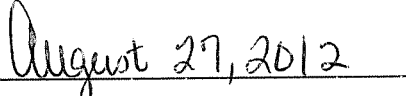
County of Hardin

The foregoing was signed, acknowledged and sworn to before me by Greg Harrington, this 27th day of January, 2012.



Notary Public

My Commission Expires:



Nolin Rural Electric Cooperative Corporation
Information Request – Case No. 2011-00450
Public Service Commission Staff Request Dated January 11, 2012

Question 1(a-c):

1. *The following questions relate to the data maintained by each utility.*
 - a. *Identify the number of circuits currently maintained by the electric utility.*

Answer:

Nolin has 83 total circuits. 78 circuits are active and five are backfeeds.

- b. *Does the utility calculate separate SAIDI, SAIFI and CAIDI indices for each circuit? If no, explain why not and explain the degree to which the utility tracks the following:*
 1. SAIDI;
 2. SAIFI; and
 3. CAIDI.

Answer:

Yes.

- c. *Identify any other reliability indicator or measure the utility uses to assess reliability. Explain the significance of each indicator or measure used. Does the utility maintain these indicators or measures for each circuit?*

Answer:

None.

Responding Witness: Greg Harrington, System Engineer
Nolin Rural Electric Cooperative Corporation

Nolin Rural Electric Cooperative Corporation

Information Request – Case No. 2011-00450

Public Service Commission Staff Request Dated January 11, 2012

Question 2(a-c):

2. *The following questions refer to the manner in which each utility calculates and tracks the SAIDI, SAIFI and CAIDI indices:*
- a. *Identify the manner in which the indices are calculated and tracked; i.e., manually (Excel spread sheet), or an electronic or mechanized (outage reporting) system.*

Answer:

Nolin uses an Excel spread sheet to calculate reliability indices.

- b. *If the response to item 2.a. above is electronic or mechanized, provide a description of the system and explain whether it was developed internally or purchased from a third-party vendor. If purchased from a third-party vendor, provide the name of the vendor and an estimate of the original cost of the system.*

Answer:

Not Applicable.

- c. *If the response in item 2.a. above is manually, provide a description of the elements tracked. Discuss in detail any inquiry made into the internal development of an electronic or mechanized system or any consideration of the purchase of a system from a third-party vendor.*

Answer:

Nolin tracks the circuit, number of customers and duration of outages. At this time, there is no plan to purchase a system from a third-party vendor.

Responding Witness: Greg Harrington, System Engineer
Nolin Rural Electric Cooperative Corporation

Nolin Rural Electric Cooperative Corporation

Information Request – Case No. 2011-00450

Public Service Commission Staff Request Dated January 11, 2012

Question 3(a-e):

3. *Concerning SAIDI, SAIFI and CAIDI reporting: the Commission directed that the reporting be based on the criteria and definitions set forth in the IEEE Standard.*
- a. *If the utility does not follow the IEEE standard, explain why not. Explain what standard(s) the utility does follow in its calculation of SAIDI, SAIFI and CAIDI.*

Answer:

Nolin follows the IEEE standard.

- b. *Does the utility track and review SAIDI, SAIFI and CAIDI monthly, quarterly or annually?*

Answer:

Annually.

- c. *Are SAIDI, SAIFI and CAIDI tracked on a rolling 12-month period or for a more discrete period of time, i.e., monthly, quarterly, or annually?*

Answer:

Annually.

- d. *Currently, in each annual report submitted pursuant to the Final Order in Case No. 2006-00494, each utility provides system-wide SAIDI, SAIFI and CAIDI calculated for a calendar year. Identify any other preferred 12-month reporting parameter; i.e., calendar year, fiscal year, or some other 12-month method.*

Answer:

Nolin calculates SAIDI, SAIFI and CAIDI by calendar year.

- e. *Does the utility review SAIDI, SAIFI, and CAIDI by any discrete fashion such as by division, district, region or some other method?*

Answer:

Nolin reviews SAIDI, SAIFI and CAIDI system-wide by circuit.

Responding Witness: Greg Harrington, System Engineer
Nolin Rural Electric Cooperative Corporation

Nolin Rural Electric Cooperative Corporation

Information Request – Case No. 2011-00450

Public Service Commission Staff Request Dated January 12, 2012

Question 4(a-c):

4. *The following questions relate to the requirement that each utility report the ten worst-performing circuits for each index in the annual report submitted pursuant to the Final Order in Case No. 2006-00494.*

a. *If the utility does not track SAIDI, SAIFI and CAIDI for each circuit, explain how the ten worst-performing circuits are identified.*

Answer:

Nolin does submit an annual report of reliability indices.

b. *Does the utility see benefit in expanding the reporting of the worst performing circuits to the 15-20 worst-performing circuits for each index?*

Answer:

No.

c. *Identify any alternative to reporting the ten worst-performing circuits that the utility utilizes to determine system reliability.*

Answer:

None.

Responding Witness: Greg Harrington, System Engineer
Nolin Rural Electric Cooperative Corporation

Nolin Rural Electric Cooperative Corporation

Information Request – Case No. 2011-00450

Public Service Commission Staff Request Dated January 11, 2012

Question 5(a-b):

5. *The following questions relate to the identification of the ten worst-performing circuits for each index.*
 - a. *Provide an explanation of the actions taken by the utility once the ten worst-performing circuits for each index have been identified. Include the typical steps taken to correct the reliability issues relating to the ten worst-performing circuits for each index.*

Answer:

We start by correcting any known reliability issues that pose a risk to members, personnel or property as soon as possible. Next, if a hazard is not identified, analysis on the circuit is started to determine why the circuit is performing poorly. During the analysis, reliability indices from several years are looked at along with tree trimming cycles to determine if this was due to exposure on the circuit, weather patterns, accidents or other unknown factors that drove the numbers up for one year.

- b. *Provide a timeline of the typical steps taken to correct reliability issues relating to the ten worst-performing circuits for each index.*

Answer:

Refer to answer 5.a.

Responding Witness: Greg Harrington, System Engineer
Nolin Rural Electric Cooperative Corporation