

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF NOLIN RURAL ELECTRIC)	
COOPERATIVE CORPORATION FOR A)	CASE NO.
CERTIFICATE OF CONVENIENCE AND)	2004-00160
NECESSITY FOR THE 2003-2005)	
CONSTRUCTION WORK PLAN)	

FIRST DATA REQUEST OF COMMISSION STAFF TO
NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION

Nolin Rural Electric Cooperative Corporation ("Nolin RECC"), pursuant to 807 KAR 5:001, is requested to file with the Commission the original and 5 copies of the following information, with a copy to all parties of record. The information requested herein is due no later than 15 days from the date of this request. Each copy of the data requested should be placed in a bound volume with each item tabbed. When a number of sheets are required for an item, each sheet should be appropriately indexed, for example, Item 1(a), Sheet 2 of 6. Include with each response the name of the person who will be responsible for responding to questions relating to the information provided. Careful attention should be given to copied material to ensure that it is legible. Where information herein has been previously provided, in the format requested herein, reference may be made to the specific location of said information in responding to this information request.

1. Refer to your listed cost differentials for construction of three-phase # 2 ACSR ("# 2") and three-phase #1/0 ASCR ("# 1/0").

a. Did Nolin RECC consider the additional capacity that would be gained by using the # 1/0 in its conductor selection?

b. Explain in detail the cost-benefit comparison of using the smaller # 2 conductor over the larger # 1/0 conductor.

2. Refer to the line conversion, which has a "CFR CODE" of 396. The estimated cost of this project is approximately \$336,000. Has consideration been given to the installation of regulators instead of converting an existing three-phase # 3/0 ACSR ("# 3/0") to a three-phase # 336.4 ACSR line?

a. If yes, how long would the installation of regulators postpone the need to rebuild the above lines?

b. If no, explain in detail why a set of regulators would not provide a solution for some period of time.

c. Is the subject # 3/0 line overloaded? If no, explain why a set of regulators would not solve the voltage problem for some period of time.

3. Refer to "CFR CODE" 382. You stated, "An existing single-phase # 4 ACSR line is converted to a three-phase # 2 ACSR line identified as line section 285." The map provided with the work plan indicates the new three-phase line will be connected to a single-phase line.

a. If your map is accurate, would it be reasonable to connect a single-phase line to a three-phase line? If yes, explain.

b. If the map does not correctly reflect the system, provide a revised map.

4. Does Nolin RECC have voltage monitoring equipment installed permanently on each feeder?

a. If yes, provide the line section and the name of the substation where each of these monitors is located. Also provide the comparison of voltage readings from these monitors to the "Windmill" voltage drop analysis and the load driving each set of voltages.

b. If no, do you plan to add such monitors and, if so, how many? If no, explain why you have determined that they are not necessary.



Beth O'Donnell
Executive Director
Public Service Commission
P. O. Box 615
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DATED August 31, 2004

cc: All Parties