

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF EAST KENTUCKY)	
POWER COOPERATIVE, INC., FOR)	
A CERTIFICATE OF PUBLIC)	
CONVENIENCE AND NECESSITY TO)	CASE NO. 2004-00320
CONSTRUCT A 161 KV SUBSTATION)	
AND TRANSMISSION LINE IN SPENCER)	
COUNTY, KENTUCKY)	

STAFF'S FIRST DATA REQUEST
TO EAST KENTUCKY POWER COOPERATIVE, INC.

Staff requests that East Kentucky Power Cooperative, Inc. ("EKPC") file with the Commission the original and 6 copies of the following information, with a copy to all parties of record. If a requested document consists of 20 or more pages, EKPC may file 2 copies. The information requested is due no later than January 21, 2005. 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 requested has been previously provided, in the format requested, reference may be made to the specific location of that information in responding to this information request.

1. Provide the distribution and transmission system maps for EKPC and Salt River Electric Cooperative Corporation ("SRECC").

2. Provide a diagram showing the number and rating of bulk supply points to the entire SRECC distribution system and sub-sections of the distribution system.
3. Provide historical (5 year), existing, and projected (5 year) demand of the Little Mount/Spencer County area.
4. Provide a description of the approach and workpapers used in estimating future load growth.
5. Provide the approximate number and after-diversity-maximum-demand of the different classes of consumers.
6. Provide existing supply options for the Little Mount/Spencer County area.
7. Provide the rating of the existing Taylorsville transformer and a schedule of the last 12 months daily or monthly peaks.
8. Provide the rating of the existing Taylorsville sub feeder and historical loading and a schedule of the last 12 months daily or monthly peaks. If appropriate, include any other feeders.
9. Provide the length of existing feeder(s) to the Little Mount/Spencer County area.
10. Provide the historical voltage profile of the supply feeder(s) in the Little Mount/Spencer County area and provide for the receiving-end a voltage profile for one month in the last 12 months.
11. Provide a detailed evaluation including reports or work product of alternatives:
 - a. Capital cost
 - b. Safety

- c. Environmental issues
- d. Continuity of supply/supply security
- e. Voltages within statutory limits
- f. Ease of expansion
- g. Ease and cost of maintenance

12. Describe the impact of a new substation on existing fault levels – what is the risk of premature obsolescence of existing equipment?

13. Provide assumptions used to simulate the Extreme 2008 Conditions.

14. Provide power flow case(s) used to analyze the various alternatives in RAW format.



Beth O'Donnell
Executive Director
Public Service Commission
P. O. Box 615
Frankfort, KY 40602

DATED: January 18, 2005

cc: Parties of Record