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 CONSTRUCT A 161 KV TRANSMISSION LINE IN BARREN, WARREN, BUTLER, AND OHIO COUNTIES, KENTUCKY	)	CASE NO. 2005-00207

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

Pursuant to 807 KAR 5:001, Commission Staff requests that East Kentucky Power Cooperative, Inc. ("East Kentucky Power") file the original and 10 copies of the following information with the Commission on or before August 26, 2005, with a copy to all parties of record. Each copy of the information 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 witness who will be responsible for responding to questions relating to the information provided. Careful attention should be given to copied material to ensure its legibility. When the requested information has been previously provided in this proceeding in the requested format, reference may be made to the specific location of that information in responding to this request.

1. What were the responses of the Midwest Independent System Operator ("MISO"), Louisville Gas & Electric Energy ("LGEE"), Tennessee Valley Authority

("TVA"), and Big Rivers Electric Corporation to East Kentucky Power's proposed transmission expansion plan?

2. Provide a list of changes and updates that East Kentucky Power made to the East Central Area Reliability Coordination Agreement 2003 series of the 2010 Summer cases in order to perform its own studies.

3. Provide a comparison of the contingencies used in the Commonwealth Associates, Inc. ("CAI") study and those considered by MISO in its studies.

4. What are the wheeling costs for the Warren Rural Electric Cooperative Corporation ("WRECC") load served over the LGEE lines and any other operating costs associated with East Kentucky Power's proposed line?

5. Provide East Kentucky Power's generation expansion plan for serving its load, including WRECC, through 2010.

6. Provide the design and reliability criteria used for East Kentucky Power's transmission system power flow studies.

7. Did East Kentucky Power consider double contingencies (n-2)? If yes, what were they and what conclusions did you make?

8. How did East Kentucky Power consider peripheral transmission impacts that could result from this project and what conclusion did you draw?

9. List the facilities included in the proposed plan and the major component costs.

10. What were the preliminary plan components considered but not studied in detail in the CAI study? Provide a high level comparison.

11. What further development of the proposed plan was made during the routing process?

12. Why did CAI and East Kentucky Power select Plan C instead of Plan D?

13. Describe East Kentucky Power's environmental responsibilities related to the proposed project.

14. Describe the steps East Kentucky Power took to solicit concurrence with the short circuit analysis for the proposed plan from other utilities.

15. Provide supporting documentation for the conceptual cost estimate from Table 1 of the CAI report.

16. Does the proposed plan meet service and reliability requirements without causing violations of existing transmission facility limits? Explain the response.

17. Provide a WRECC system map.

18. Provide historical (5 years) existing and projected (5 years) demand for the WRECC system load.

19. Provide a description of the methodology used and the workpapers used in estimating future load growth.

20. Provide information regarding the ease of expansion for the proposed project.

21. Provide a data dictionary for the power flow cases provided in support of the filing.

22. Refer to the ICF report at page 12. The report mentions that East Kentucky Power has operating procedures that reduce but do not entirely eliminate potential contingency overloads to lines, such as the Salmons / K30 69 kV line. Provide

a discussion of how East Kentucky Power will handle those lines and/or other equipment identified in its power flow, short circuit or transient stability studies that are subject to contingency overload conditions.

23. Refer to the ICF report at page 13. The report states that East Kentucky Power's studies indicated that there could be some transmission element overloads on Cinergy's, Hoosiers Energy's, and TVA's transmission systems as a direct result of its proposed plan. Provide a discussion of any actions that East Kentucky Power has undertaken to inform the affected companies of the potential problems and of any actions that East Kentucky Power will undertake to alleviate these potential problems.

24. Refer to the ICF report at page 21. The report mentions that East Kentucky Power's reserve margin for each of its winter peak demand periods from 2008 to 2010 is below 5 percent. Provide a discussion of East Kentucky Power's plans for addressing a reserve margin of this magnitude.

25. Provide a copy of the "EPRI-GTC Project Report: Standardized Methodology for Siting Overhead Electric Transmission Lines."

Beth O'Donnell
Executive Director
Public Service Commission
P. O. Box 615
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DATED: August 18, 2005

cc: All Parties