

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

CONSIDERATION OF THE)	
REQUIREMENTS OF THE FEDERAL)	
ENERGY POLICY ACT OF 2005)	CASE NO.
REGARDING FUEL SOURCES AND FOSSIL)	2007-00300
FUEL GENERATION EFFICIENCY)	

FIRST DATA REQUEST OF COMMISSION STAFF

Big Rivers Electric Corp. ("Big Rivers"), Duke Energy - Kentucky ("Duke - KY"), East Kentucky Power Cooperative Inc. ("EKPC"), Kentucky Power Company ("Kentucky Power"), Kentucky Utilities Company, ("KU"), and Louisville Gas and Electric Company ("LG&E") pursuant to 807 KAR 5:001, are to file with the Commission the original and seven copies of the following information, with a copy to all parties of record. The information requested herein is due on or before November 20, 2007. Responses to requests for information shall be appropriately bound, tabbed and indexed. Each response shall include the name of the witness responsible for responding to the questions related to the information provided.

Each response shall be answered under oath or, for representatives of a public or private corporation or a partnership or association or a governmental agency, be accompanied by a signed certification of the preparer or person supervising the preparation of the response on behalf of the entity that the response is true and accurate to the best of that person's knowledge, information, and belief formed after a reasonable inquiry.

Big Rivers, Duke - KY, EKPC, Kentucky Power, KU and LG&E shall make timely amendment to any prior responses if they obtain information which indicates that the response was incorrect when made or, though correct when made, is now incorrect in any material respect. For any requests to which Big Rivers, Duke - KY, EKPC, Kentucky Power, KU and LG&E fail or refuse to furnish all or part of the requested information, Big Rivers, Duke - KY, EKPC, Kentucky Power, KU and LG&E shall provide a written explanation of the specific grounds for failure to completely and precisely respond.

Careful attention should be given to copied material to ensure that it is legible. 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. When applicable, the requested information shall be separately provided for total company operations and jurisdictional operations.

1. Provide the following for each unit
 - a. What was the heat rate (Btu/kWh) at the time of initial operation (both name plate and actual experience)?
 - b. What is the heat rate today?
 - c. Identify the actions that the company has taken that have impacted heat rate and identify whether the actions have had a positive (by lowering the heat rate) or negative impact (by increasing the heat rate).
2. What is the average system-wide heat rate?

3. What technologies are available for increasing the efficiency by lowering the heat rate of installed fossil fuel generation? What are the costs and benefits associated with these technologies?

4. What is a reasonable goal for heat rate improvement (lessening the heat rate) over a 10-year planning horizon for individual generating units and the company's fleet of fossil fuel generation?

5. Although the Integrated Resource Planning and Certificate of Public Convenience and Necessity processes allow for consideration of generation efficiency initially, is there any Commission mandated process that provides for continued consideration of generation efficiency?

6. How does the company consider generation efficiency on an ongoing basis after the initial operation of a generating unit? Are annual or periodic studies performed? Explain in detail.



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

Dated: November 9, 2007

cc: Parties of Record