

Ernie Fletcher
Governor

Teresa J. Hill, Secretary
Environmental and Public
Protection Cabinet

Timothy J. LeDonne
Commissioner
Department of Public Protection

Lonnie E. Bellar
Vice President - State Regulation
Kentucky Utilities Company
220 West Main Street
P. O. Box 32010
Louisville, KY 40202



Commonwealth of Kentucky
Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615
Telephone: (502) 564-3940
Fax: (502) 564-3460
psc.ky.gov

Mark David Goss
Chairman

John W. Clay
Vice Chairman

Caroline Pitt Clark
Commissioner

November 9, 2007

RE: Case No. 2007-00300

Please see enclosed data request from Commission Staff in the above case.

If you need further assistance, please contact my staff at (502) 564-3940.

Sincerely,

A handwritten signature in black ink, appearing to read "Beth O'Donnell".

Beth O'Donnell
Executive Director

BOD/tw
Enclosure



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Louisville Gas and Electric Company
220 W. Main Street
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E.ON U.S. Services, Inc.
220 West Main Street
Louisville, KY 40202

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Mark David Goss
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Michael H. Core
Big Rivers Electric Corporation
201 Third Street
P. O. Box 24
Henderson, KY 42420

November 9, 2007

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John W. Clay
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Caroline Pitt Clark
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John J. Finnigan, Jr.
Duke Energy Kentucky, Inc.
139 East Fourth Street, EX 400
Cincinnati, OH 45202

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Mark David Goss
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Timothy C. Mosher
American Electric Power
101A Enterprise Drive
P. O. Box 5190
Frankfort, KY 40602

November 9, 2007

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Mark David Goss
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John W. Clay
Vice Chairman

Caroline Pitt Clark
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Ronnie Thomas
East Kentucky Power Cooperative
4775 Lexington Road
P. O. Box 707
Winchester, KY 40392-0707

November 9, 2007

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Patty Walker
Duke Energy Kentucky, Inc.
139 East Fourth Street, EX 400
Cincinnati, OH 45202

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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.

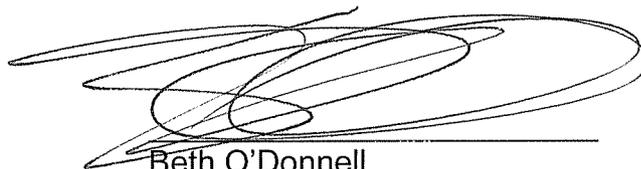
1. Provide the following for each unit
 - a. What was the heat rate (Btu/kWh) at the time of initial operation (both name plate and actual experience)?
 - b. What is the heat rate today?
 - c. Identify the actions that the company has taken that have impacted heat rate and identify whether the actions 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, Kentucky 40602

Dated: November 9, 2007

cc: Parties of Record