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April 26, 2006

Via Federal Express

RECEIVED

Ms. Elizabeth O'Donnell Executive Director Public Service Commission 211 Sower Boulevard, P.O. Box 615 Frankfort, Kentucky 40602-0615

PUBLIC SERVICE COMMISSION

APR 2 7 2006

Re:

In the Matter of: Consideration of the Requirements of the Federal Energy Policy Act of 2005 Regarding Time-Based Metering, Demand Response, and Interconnection Service, Administrative Case No. 2006-00045

Dear Ms. O'Donnell:

Enclosed are an original and ten copies of the response of Big Rivers Electric Corporation, Kenergy Corp., Jackson Purchase Energy Corporation, and Meade County Rural Electric Cooperative Corporation to the First Request for Information of Metro Human Needs Alliance to All Jurisdictional Utilities in the above-styled matter. I certify that a copy of this filing has been served this day on the persons shown on the attached service list.

Sincerely yours,

Tyson Kamuf

TAK/ej Enclosures

cc: Service List

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Roy M. Palk East Kentucky Power Cooperative, Inc. 4775 Lexington Road P.O. Box 707 Winchester, KY 40392-0707 Hon. Kendrick R. Riggs Stoll Keenon Ogden PLLC 1700 PNC Plaza 500 West Jefferson Street Louisville, Kentucky 40202

Bobby D. Sexton President/General Manager Big Sandy R.E.C.C. 504 11th Street Paintsville, KY 41240-1422

David A. Spainhoward VP, External Relations & Interim Chief Production Officer Big Rivers Electric Corporation 201 Third Street, P.O. Box 24 Henderson, Kentucky 42419-0024

COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

CONSIDERATION OF THE REQUIREMENTS)	
OF THE FEDERAL ENERGY POLICY ACT OF)	CASE NO.
2005 REGARDING TIME-BASED METERING,)	2006-00045
DEMAND RESPONSE, AND INTERCONNECTION)	
SERVICE)	

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APR 2 7 2006

PUBLIC SERVICE COMMISSION

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION,
KENERGY CORP., JACKSON PURCHASE ENERGY
CORPORATION, AND MEADE COUNTY RURAL ELECTRIC
COOPERATIVE CORPORATION TO THE FIRST REQUEST
FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE
TO ALL JURISDICTIONAL UTILITIES

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP., JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL JURISDICTIONAL UTILITIES April 27, 2006

Item 1) Under a critical peak pricing and real time pricing program, as described in the Commission's Order of February 24, 2006, how would you notify customers of pricing changes so that they could make adjustments in their usage?

Response) Big Rivers Electric Corporation ("Big Rivers") and its three distribution cooperative members, Kenergy Corp. ("Kenergy"), Meade County Rural Electric Cooperative Corporation ("Meade County RECC"), and Jackson Purchase Energy Corporation ("JPEC") (collectively, the "Member Systems"), have not sufficiently studied a critical peak pricing or real time pricing program in order to broadly implement such a program. As explained in more detail in their respective responses to the Public Service Commission's ("Commission" or "PSC") initial data requests contained in the Commission's Order dated February 24, 2006, Big Rivers and its Member Systems have had no incentive to conduct such studies because of a lack of customer interest in such programs and because Big Rivers and its Member Systems' costs do not vary by time of day. Such studies would be necessary before it could be determined how best to notify customers of pricing changes under such programs.

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RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP.,
JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY
RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST
FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL
JURISDICTIONAL UTILITIES
April 27, 2006

Item 2) Provide a general discussion of what you perceive to be the pros and cons with respect to low-income utility customers of implementing a smart metering standard in Kentucky.

Response) The pros and cons of a smart metering standard are addressed in the respective responses of Big Rivers and its Member Systems to Smart Metering Item 4 of the Commission's Initial Data Requests. These pros and cons apply to all customers, including low-income customers. For example, if customers respond to the information and price signals communicated through a smart metering program, such a program could reduce the need for or delay the need for construction of additional generating capacity as well as reduce or delay the associated generation and environmental costs. Additionally, a smart metering program has the potential for producing a more efficient utilization of electricity resources. These long-run efficiency gains, if they came to fruition, would accrue to all electricity consumers over time, including the low-income customers. However, the cost to implement a smart metering program, such as the cost of replacing current meters with smart meters, would likely have to either be borne by the customers participating in the program, which could be cost prohibitive to low-income customers participating in the program, or would have to be borne by all customers, including low-income customers, whether they participate in the program or not, and whether they benefit from the program or not. Additionally, some of the potential benefits of a smart metering program may not be available to low-income customers. One potential benefit of smart metering, if based on real-time two-way communication, is that service can be integrated with appliances such as smart thermostats. However, low-income customers are less likely to have such smart appliances, either because they are more likely to rent their home or because they are more likely to have older, less-efficient appliances. Simply put, lowincome customers may encounter financial constraints in making the necessary improvements to appliances or may not be able to make the costly

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP.,
JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY
RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST
FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL
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April 27, 2006

improvements in appliances necessary to take advantage of the time-based rate schedules or smart metering programs.

	JACKSO	SE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP., ON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY
1	RURAL E	LECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST NFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL
2	TOK I	JURISDICTIONAL UTILITIES
3		April 27, 2006
4	Item 3)	Please describe any anticipated barriers to participation in time-based rate
5	schedules an	d/or smart metering programs low-income customers might face.
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7	Response)	See the response to Item 2, above.
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9	Witness:	C. William Blackburn and Russ Pogue
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RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP., JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL JURISDICTIONAL UTILITIES

April 27, 2006

Item 4) Provide a description of any formal or informal analysis, discussion or study of the impact of any time based rate schedules and/or smart metering programs on low-income customers you have conducted or of which you are aware. Please describe any conclusions reached and provide copies of any documentation or results of such analysis, discussion or studies.

Response) Big Rivers and its Member Systems are not aware of any formal or informal analysis, discussion or study of the impact of time-based rate schedules or smart metering on low-income customers.

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP., JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL JURISDICTIONAL UTILITIES April 27, 2006

Item 5) Would implementation of smart metering result in higher costs or rates to nonparticipating customers? Please describe any projected costs by category and amount, including any costs of installing, maintaining or reading new meters or other technology, and any systemic or program changes, such as software and billing changes, that you expect to be charged directly (or indirectly by higher rates) to nonparticipating customers.

Response) In Big Rivers' response to Smart Metering Item 3 of the Commission's data requests dated February 24, 2006, these issues are discussed further. In order to get a better understanding of the costs, customer responses and benefits, Big Rivers and its Member Systems have suggested that a pilot or trial program may be necessary prior to any implementation of a more broadly based program.

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JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL JURISDICTIONAL UTILITIES April 27, 2006 Describe in general the availability of the technology for smart meters, Item 6) including: How many suppliers provide smart meters and related technology; a. The price range for smart meters. b. a. and b. See the response of Big Rivers and its Member Systems to Response) Smart Metering Item 2 of the Commission's data requests dated February 24, 2006. Russ Pogue and David Poe Witness:

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP.,

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	RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP., JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST
1	FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL
2	JURISDICTIONAL UTILITIES
3	April 27, 2006
4	Item 7) How accurate are the available smart meters? Have these meters been
5	sufficiently tested for accuracy both prior to installation and in actual use?
6	
7	Response) Big Rivers, Kenergy and JPEC have not investigated the accuracy of
8	smart meters. Meade County RECC is continuing with the implementation of the TS2
9	system. Since this system relies on the current meters, there is no impact on accuracy
10	More generally, all meters would be tested to assure compliance with the
11	Commission's regulation prior to installation.
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13	Big Rivers Witness: C. William Blackburn and Russ Pogue
14	Meade County Witness: David Poe
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4	Item 8)	How reliable a	are smart meters? Have any specific maintenance problems
5	been identified	?	
6			
7	Response)	Big Rivers, K	Lenergy and JPEC have not investigated the reliability of
8	smart meters.	Meade Count	ty RECC is continuing with the implementation of the TS2
9			elies on the current meters, there is no impact on
10		·	all meters would be tested to assure compliance with the
11			for to installation.
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RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP., JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL JURISDICTIONAL UTILITIES April 27, 2006

Item 9) Low income customers are often considered unable to lower energy use because of poor housing stock and/or use of older, inefficient appliances. Would you assist in enhancing or enlarging weatherization programs to help make smart meters an advantage to low-income customers?

Response) It is premature to determine any particular initiatives that would accompany any smart metering program without knowing in more detail the particular implementation of such a program and the particular costs and benefits that would be associated with it. Big Rivers and its Member Systems make information available and provide other programs to enable their customers to increase and benefit from energy efficiency. See the response of Big Rivers and its Member Systems to Commission Staff's Second Information Request Item 5 for more detail on these programs.

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RESPONSE OF BIG RIVERS ELECTRIC CORPORATION, KENERGY CORP., JACKSON PURCHASE ENERGY CORPORATION, AND MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION TO THE FIRST REQUEST FOR INFORMATION OF METRO HUMAN NEEDS ALLIANCE TO ALL JURISDICTIONAL UTILITIES April 27, 2006

Item 10) If you implement time based rate schedules and/or smart metering, would you make any attempt to target any particular types of customers for participation?

Response) Because of little interest in such programs shown by the Member Systems' customers, Big Rivers and its Member Systems have made no attempt to target any particular type of customer for participation in time-based rate schedules or smart metering programs. This determination would likely be one of the objectives to be accomplished through a pilot or trial program.