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January 9, 2009

### Via Federal Express

Jeff Derouen Executive Director Public Service Commission 211 Sower Boulevard, P.O. Box 615 Frankfort, Kentucky 40602-0615

RECEIVED

JAN 12 2009

PUBLIC SERVICE COMMISSION

Re: In the Matter of: Consideration of the New Federal Standards of the Energy Independence and Security Act of 2007, PSC Case No. 2008-00408

Dear Mr. Derouen:

Enclosed for filing on behalf of Big Rivers Electric Corporation, Jackson Purchase Energy Corporation, Kenergy Corp. and Meade County Rural Electric Cooperative Corporation are an original and ten copies of the Joint Direct Testimony of David A. Spainhoward, G. Kelly Nuckols, Sanford Novick, and Burns E. Mercer. A copy of this letter and a copy of the testimony have been served on the attached service list.

Sincerely,

Type

Tyson Kamuf

TAK/ej Enclosures

cc: Mark A. Bailey David A. Spainhoward Kelly Nuckols Sandy Novick Burns Mercer John Talbert Service List

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Bobby D. Sexton President/General Manager Big Sandy R.E.C.C. 504 11<sup>th</sup> Street Paintsville, KY 41240-1422 COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

Administrative Case No. 2008-00408

# JOINT DIRECT TESTIMONY OF DAVID A. SPAINHOWARD, G. KELLY NUCKOLS, SANFORD NOVICK, AND BURNS E. MERCER

### ON BEHALF OF BIG RIVERS ELECTRIC CORPORATION, JACKSON PURCHASE ENERGY CORPORATION, KENERGY CORP., AND MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION

**JANUARY 12, 2008** 

1 2

### Joint Direct Testimony of David A. Spainhoward, G. Kelly Nuckols, Sanford Novick, and Burns E. Mercer

# Q. Mr. Spainhoward, please state your name, business address, position, and qualifications.

My name is David A Spainhoward. My current business address is 201 Third Street, 5 A. Henderson, Kentucky 42420. I have been an employee of Big Rivers Electric Corporation ("Big 6 7 Rivers") since 1972. My current position is Vice President External Relations & Interim Chief Production Officer at Big Rivers. Before holding my current position, I held the position of Vice 8 President Contract Administration and Regulatory Affairs. I have also held positions in the Big 9 Rivers Corporate Planning, Real Estate, Accounting, and Purchasing departments. I am a 10 11 graduate of Oakland City University in Oakland City, Indiana, with the degree of Bachelor of Science in Management. I also have a Master of Science in Management degree from Oakland 12 City University. I am also a graduate of Lockyear College of Business in Evansville, Indiana, 13 14 with an Associate Degree in Data Process Management. In addition, I have a certificate of proficiency from the United States Department of Agriculture School in Bookkeeping and 15 Accounting. I am currently Chairman of the Board of Commissioners of the Henderson County 16 17 Water District in Henderson, Kentucky.

### 18 Q. Mr. Nuckols, please state your name, business address, position, and qualifications.

A. My name is G. Kelly Nuckols. My current business address is 2900 Irvin Cobb Drive,
Paducah, Kentucky 42001. I have been employed by Jackson Purchase Energy Corporation
("JPEC") since 1997. My current position is President and Chief Executive Officer. Before my
employment at JPEC, I held the position of Senior Engineer with Patterson and Dewar Engineers
in Atlanta, Georgia. Prior to working for Patterson and Dewar, I held the position of General
Manager of Tri-County Electric Membership Corporation in Lafayette, Tennessee. I have also

1	held the position of Manager of Engineering and Operations at Four County Electric		
2	Membership Corporation in Burgaw, North Carolina, and various engineering positions,		
3	including Manager of Engineering Services with Warren Rural Electric Cooperative Corporation		
4	in Bowling Green, Kentucky.		
5	I am a graduate of Western Kentucky University in Bowling Green, Kentucky, with a		
6	Bachelor of Science in Engineering Technology. I also have a Masters of Business		
7	Administration (MBA) from Western Kentucky University. I am a licensed Professional		
8	Engineer in the Commonwealth of Kentucky, as well as other states. I have received various		
9	certificates in management and supervision training from NRECA and other institutions.		
10	I am past chairman of the Paducah Area Chamber of Commerce, and I am currently a		
11	board member of the Kentucky Chamber of Commerce. I have participated in and graduated		
12	from various leadership programs, such as Leadership Bowling Green and Leadership Kentucky.		
13	I hold or have held various board positions with area charitable and civic organizations,		
14	including Rotary Club and United Way.		
15	Q. Mr. Novick, please state your name, business address, position, and qualifications.		
16	A. My name is Sanford Novick. My current business address is 6402 Old Corydon Road,		
17	Henderson, Kentucky 42420. I am President and Chief Executive Officer for Kenergy Corp.		
18	("Kenergy"). I earned a Bachelor of Science degree in Mechanical Engineering from Vanderbilt		
19	University in 1970, and a Master of Business Administration from Memphis State University in		
20	1976. Before coming to Kenergy in 2007, I worked for Memphis Light Gas & Water, from		
21	which I retired as Vice President of Operations for the electric, gas, and water systems. In 1997,		
22	I began work with Mississippi Valley Gas as Senior Vice President of Operations and rose to the		
23	Chief Operating Officer position before the company was acquired by Atmos Energy in 2002. 1		

then served as General Manager of the Lansing Board of Water & Light from 2003 until 2006. I
 am a registered Professional Engineer in Tennessee, Mississippi, and Alabama.

- 3 Q. Mr. Mercer, please state your name, business address, position, and qualifications.
- 4 A. My name is Burns Mercer. My current business address is 1351 Highway 79,

5 Brandenburg, Kentucky 40108. I am the President and Chief Executive Officer ("CEO") for

6 Meade County Rural Electric Cooperative Corporation ("Meade County RECC"). I have been

7 employed by Meade County RECC for 31 years and have been the President and CEO of Meade

- 8 County since June 1, 1994.
- 9 Q. On whose behalf are you filing this testimony?

A. This testimony is being filed on behalf of Big Rivers and its three distribution cooperative
 members – JPEC, Kenergy, and Meade County RECC (the "Members").

12 Q. Have you previously testified before the Kentucky Public Service Commission

- 13 ("Commission")?
- A. Yes. We have each previously submitted testimony and personally appeared before the
  Commission in numerous other matters.
- 16 Q. What is the purpose of your testimony?

A. The purpose of our testimony is to address the five standards relating to electric utilities
that the Energy Independence and Security Act of 2007 ("EISA 2007") requires the Commission
to consider.

### 20 Q. Why is this testimony being filed jointly?

- 21 A. This testimony is being filed jointly because Big Rivers and its Members have and wish
- 22 to express their uniform opinions on the EISA 2007 standards.
- 23

1	Q.	Do each of you endorse this testimony as your own?
2	$\mathbf{A}_{i}$	Yes.
3	Q.	What are the five EISA 2007 standards?
4	Α.	The five standards are:
5		1. an integrated resource planning standard;
6		2. a standard for rate design modifications to promote energy efficiency investments;
7		3. a standard relating to the consideration of smart grid investments;
8		4. a smart grid information standard; and
9		5. a standard relating to additional incentives for recovery, use and prevention of
10		industrial waste energy.
11		Integrated Resource Planning
12	Q.	What does the integrated resource planning standard require?
13	A.	The EISA 2007 integrated resource planning standard requires the Commission to
14	consid	ler whether to require electric utilities to "integrate energy efficiency resources into utility,
15	State,	and regional plans;" and to "adopt policies establishing cost-effective energy efficiency as
16	a prio	rity resource."
17	Q.	Does Big Rivers file an Integrated Resource Plan and if so, does it address any of
18	these	requirements?
19	A.	Yes, Big Rivers is required to file an Integrated Resource Plan ("IRP"). 807 KAR 5:058
20	(5)(4)	requires a utility, when preparing an IRP, to consider such factors as "operating efficiency
21	of exi	sting facilities, demand-side programs, [and] non-utility sources of generation."
22		

# Q. Does Big Rivers or any of its Members have any tariffs, practices or policies relating to the integrated resource planning standard?

A. Yes. Big Rivers files its IRP, which includes a consideration of energy efficiency
resources, with the Commission under 807 KAR 5:058. Additionally, Big Rivers and its
Members have a number of energy-efficiency programs and partnerships including the
following:

Distribution cooperative websites: Each of the distribution cooperative
 websites provides the easy-to-use Home Energy Suites program. The Suites
 program provides methods to improve efficiency and save energy in the home.
 Adjustable inputs allow customers to compare current energy use to estimated
 energy use resulting from improvements in efficiency.

Marketing and promotion: The majority of communication from the Members
 to their customers involves energy efficiency. Recent changes in the goals of
 marketing and promotion have resulted in a focus on educating customers in
 energy efficiency.

163.Incentives are paid to customers who choose to build a Touchstone Energy17Home, which is a home that meets established energy efficiency standards. Other18incentives are available for dual fuel heating systems and water heater exchange.

Home Energy Efficiency Expo: A series of energy efficiency "expos" are being
 held in the Members' service territories to provide hands-on experience with
 residential energy efficiency. The first expo, held in Brandenburg, Kentucky, by
 Meade County RECC, attracted over 700 residents of Meade and Breckenridge
 counties. Additional expos have been held in Owensboro, Paducah and

1		Hardinsburg, each drawing several hundred people. Vendors are providing
2		financial support and prizes to attract attendees.
3	5.	Distribution of DOE/EPA "Home Energy Tips" booklet: The Members
4		provide thousands of "Home Energy Tips" booklets from the DOE/EPA
5		partnership to new and existing customers who visit the cooperative office.
6		Customer service representatives receive training on energy efficiency and tools,
7		like the booklet, are provided to them for educating customers and providing
8		exceptional service.
9	6.	Compact fluorescent lamps ("CFL's") are distributed to customers of Big
10		Rivers' Members. Each of the Members has provided these high efficiency lamps
11		to customers at their annual meetings and in 2007 to customers who visited during
12		cooperative month in October. The Members have provided approximately
13		82,000 CFL's since 2003.
14	7.	Commercial & Industrial ("C&I") News: This quarterly magazine is
15		distributed to 3,500 commercial and industrial customers. The C&I News is an
16		informational magazine published for the retail customers of the Members.
17		Subjects include commercial and industrial energy efficiency education and case
18		studies.
19	8.	Energy Star Partners: BREC, Kenergy, JPEC and Meade County RECC are
20		Energy Star Partners, which signifies that they have teamed with ENERGY
21		STAR, a joint program of the U.S. Environmental Protection Agency and the U.S.
22		Department of Energy, to promote energy efficient products and practices.

1	9.	Energy Use Assessments: The Members provide Energy Use Assessments to
2		commercial and industrial customers upon request. Two to three assessments per
3		month are provided to commercial and industrial customers to assist efforts to
4		improve energy efficiency in their facilities and to identify easy to accomplish
5		projects customers can implement themselves. Education programs are also
6		available for employees.
7	10.	Renewable Energy: Big Rivers purchases and offers renewable energy to its
8		Members. Big Rivers purchases the energy from a Combined Heat and Power
9		("CHP") project that is Energy Star certified, which means that it satisfies the
10		energy efficiency guidelines established by Energy Star.
11	11.	Evaluation of Facility Lighting: JPEC and Big Rivers are evaluating facility
12		lighting redesign and upgrades. JPEC is likely to move forward on an upgrade
13		project in the first quarter of 2009, and Big Rivers will evaluate lighting upgrades
14		as part of a renovation project planned for its headquarters building.
15	12.	Free caulk: The Members provide free caulk to their retail customers for
16		tightening home envelopes.
17	13.	Energy Saving Analyses: The Members provide energy saving analyses to
18		industrial and large commercial members by combining efforts with the Member-
19		systems, the U.S. Department of Energy, the Kentucky Governor's Office of
20		Energy Policy and the Kentucky Pollution Prevention Center, located at the
21		University of Louisville.
22	14.	High Performance Schools: The Members provide support to Member-system
23		school districts to promote the construction of high performance, energy-saving

schools. Hancock County school district renovated three older schools, with a 1 focus on energy efficiency, and completed a new high performance school in 2 2006. Meade County school district finished construction of a high performance 3 4 school in 2007. 5 15. **CHP Project:** Big Rivers provided assistance and continues to provide reliability support and back-up power for a CHP project in Hancock County. The project 6 7 won the Energy Star CHP award in 2005 for efficiency. 8 If the Commission adopts the integrated resource planning standard, what impact **Q**. 9 will it have on customers, in terms of consumption patterns and cost, and will there be a substantially different impact on particular customers within a class resulting from 10 11 adoption of the standard? 12 The EISA 2007 integrated resource planning standard is too vague to be able to Α. determine any effect it could have on customers. However, given the fact that the Commission 13 already has an integrated resource planning regulation under which Big Rivers files its IRP 14 (which includes the consideration of energy efficiency programs), the EISA 2007 standard would 15 16 likely have very little or no additional impact on customers. Should the Commission adopt the integrated resource planning standard? 17 0. 18 No. As indicated above, the Commission's existing integrated resource planning process A. is sufficient to accomplish the goal of the standard. Also, the existing statutory process through 19 which utilities seek certificates of public convenience and necessity ("CPCN") to construct 20 21 generating facilities would allow the Commission to take into account a utility's energy efficiency programs in determining the need for a new facility. The existing integrated resource 22

1 planning and CPCN processes also allow for the consideration of the cost-effectiveness of

2 existing or potential energy efficiency programs.

# 3 Q. Are there any alternative standards the Commission should adopt?

A. No. Again, the Commission's existing integrated resource planning and CPCN processes
are sufficient.

6

## **Rate Design Modifications to Promote Energy Efficiency Investments**

# 7 Q. Explain the standard relating to rate design modifications to promote energy

8 efficiency investments.

9 A. The EISA 2007 standard relating to rate design modifications requires the Commission to

10 consider whether to require electric utilities to have rates that "align utility incentives with the

11 delivery of cost-effective energy efficiency" and "promote energy efficiency investments."

### 12 Q. Does EISA 2007 require the Commission to consider any particular methods of

# 13 achieving such rates?

A. Yes. EISA 2007 includes the following rate design modifications for the Commission to
 consider:

- "removing the throughput incentive and other regulatory and management
  disincentives to energy efficiency;"
- "providing utility incentives for the successful management of energy efficiency
   programs;"
- "including the impact on adoption of energy efficiency as 1 of the goals of retail
   rate design, recognizing that energy efficiency must be balanced with other
   objectives;"
- "adopting rate designs that encourage energy efficiency for each customer class;"

"allowing timely recovery of energy efficiency-related costs;" and
 "offering home energy audits, offering demand response programs, publicizing
 the financial and environmental benefits associated with making home energy
 efficiency improvements, and educating homeowners about all existing Federal
 and State incentives, including the availability of low-cost loan, that make energy
 efficiency improvements more affordable."

Q. Do you believe the Commission should adopt rate design modifications to "remove
the throughput incentive and other regulatory and management disincentives to energy
efficiency?"

10 Α. No. Historically Kentucky utilities have recovered only a portion of their fixed costs through their customer charge. The balance of their fixed costs, plus margin, has been recovered 11 12 via the energy charge. Accordingly, there theoretically exists an incentive to increase energy charges (sales based on energy usage) to ensure coverage of fixed cost plus margin (the 13 14 "throughput incentive"). A number of rate design options exist to eliminate the throughput 15 incentive. Utilities in Kentucky, as a matter of regulation, have the discretion to propose alternate rate designs. No legislative changes are required in order for the Commission to 16 17 consider rate designs that remove the throughput incentive.

# Q. Do utilities in Kentucky have incentives to encourage energy efficiency that allow timely recovery of energy efficiency-related costs.

A. Yes. As discussed above, there are no regulatory barriers to the proposal of alternate rate designs that would encourage energy efficiency. Further, Kentucky Revised Statutes 278.285 provides for the development of demand side management ("DSM") programs and specifies a mechanism for the utility to "recover the full costs of commission-approved programs and
 revenues lost by implementing these programs."

# 3 Q. Does Big Rivers or its Members have any tariffs, practices or policies relating to this 4 standard?

5 Α. Yes. Big Rivers and its Members have a number of energy-efficiency/demand side 6 management programs, including home energy audits and demand response programs. Big 7 Rivers and its Members also participate in programs to publicize the financial and environmental 8 benefits of home energy efficiency improvements and to educate homeowners about existing 9 federal and state incentives that make energy efficiency improvements more affordable, 10 including the availability of low-cost loans. These programs are discussed in Big Rivers' IRP, 11 and are outlined in the discussion of integrated resource planning, above. In support of the 12 Governor's energy efficiency goal to offset at least 18 percent of Kentucky's projected 2025 13 energy demand, Big Rivers and its Members will continue to support energy education, outreach 14 and marketing programs, which include demand side management programs to help its 15 consumers learn more about the benefits of energy efficiency. Big Rivers and its Members 16 believe this 18% is a very aggressive goal, but also recognize the long-term benefits of pursuing 17 that goal.

Q. If the Commission adopts the rate design modification standard, what impact will it
have on customers, in terms of consumption patterns and cost, and will there be a
substantially different impact on particular customers within a class resulting from
adoption of the standard?

A. As stated above, there are a number of rate design mechanisms that can be adopted to
achieve energy efficiency. The EISA 2007 rate design modification standard does not specify

any one approach. Because the outcomes vary among alternatives, it is impossible to predict the
 effect adoption of a particular standard would have on customers without more detailed
 information.

4 0. Should the Commission adopt the rate design modification standard? 5 Α. No. The Kentucky General Assembly has enacted legislation, which has been codified as 6 KRS 278.285, which allows home energy assistance programs to be included as a part of 7 demand-side management programs (DSM). Additionally, the statute authorizes a cost recovery 8 mechanism either through the filing of new rate schedules under KRS 278.190 or in a separate 9 proceeding under KRS 278.285. All of the jurisdictional electric cooperative utilities in 10 Kentucky recover costs of these programs through general rates. Between the integrated 11 resource planning process, KRS 278.285, and general rate cases, Big Rivers and its Members 12 believe there is adequate statutory and regulatory authority in place to: 13 provide utility incentives for the successful management of energy efficiency • 14 programs; include the impact on adoption of energy efficiency as one of the goals of retail 15 . 16 rate design; adopt rate design that encourages energy efficiency for each customer class; and 17 ٠ 18 allow timely recovery of energy efficiency-related costs. • Are there any alternative standards the Commission should adopt? 19 0. 20 A. No. Again, the existing statutory and regulatory scheme is sufficient. 21

1

#### **Consideration of Smart Grid Investments**

### 2 Q. What is the EISA 2007 standard relating to the consideration of smart grid

### 3 investments?

A. The EISA 2007 standard relating to the consideration of smart grid investments requires
the Commission to consider whether to require electric utilities to "demonstrate to the State that
the electric utility considered an investment in a qualified smart grid system based on appropriate
factors" before the utility undertakes investments in non-advanced grid technologies.

#### 8 Q. What are the "appropriate factors"?

9 A. EISA 2007 says that the appropriate factors include total costs, cost-effectiveness,

10 improved reliability, security, system performance, and societal benefit.

# Q. Does Big Rivers or its Members have any tariffs, practices or policies relating to this standard?

The definition of "smart grid" is somewhat nebulous and is not defined in EISA 2007. 13 A. Certainly, it includes such items as advanced meter infrastructure ("AMI"), transmission and 14 distribution automation equipment and digital communication technology. Big Rivers and its 15 three Members continuously monitor and evaluate technology in these areas. The application of 16 any one element of a smart grid is dictated by a number of local factors, including legacy 17 18 considerations, costs, effectiveness, reliability, security, system performance and 19 customer/owner benefit. Big Rivers and its Members generally consider smart grid technologies in planning their 20 transmission and distribution systems. For example, one of Big Rivers' Members, Kenergy, is 21 midway through a pilot program of an AMI system involving two separate vendors. It involves 22

23 verifying the success of the technology's use in Kenergy's applications. It also has a focal point

the expanded use of metering data and technology to maximize Kenergy's efficiencies throughout the organization. Preliminary results of that program, while not conclusive, have led to further investigation into ways to leverage the data for system planning, reliability studies and reporting and measurement of the effects of major appliance control. It has long been the practice of Big Rivers and its Members to use equipment that should function well in a smart grid arrangement whenever economically feasible.

Q. If the Commission adopts this standard, what impact will it have on customers, in
terms of consumption patterns and cost, and will there be a substantially different impact
on particular customers within a class resulting from adoption of the standard?

A. The EISA 2007 standard relating to the consideration of smart grid investments is too
vague to determine the impact it could have on customers. However, the decision-making
process for Big Rivers and its Members in transmission and distribution system planning would
include consideration of the "appropriate factors" outlined in EISA 2007. As such, adoption of
the standard would have little or no impact on customers.

15 Q. Should the Commission adopt this standard?

A. No. The existing process for utilities to obtain CPCN's for certain transmission
 construction projects and the existing rate case process ensures that utilities make prudent
 decisions in system planning, which would include consideration of the "appropriate factors" and
 consideration of available technologies (including smart grid technologies). Those existing
 processes are sufficient.

- 21 Q. Are there any alternative standards the Commission should adopt?
- 22 A. No. Again, the existing CPCN and rate case processes are sufficient.
- 23

1		Smart Grid Information	
2	Q.	What is the smart grid information standard:	
3	A.	The EISA 2007 smart grid information standard requires the Commission to determine	
4	whether to require electric utilities to provide, in written or machine-readable form as		
5	approj	priate, information to electricity purchasers such as:	
6		• Prices - Purchasers and other interested persons shall be provided with	
7		information on time-based electricity prices in the wholesale electricity market,	
8		and time-based electricity retail prices or rates that are available to the purchasers;	
9		• Usage - Purchasers shall be provided with the number of electricity units,	
10		expressed in kWh, purchased by them.	
11		• Intervals and Projections - Updates of information on prices and usage shall be	
12		offered on not less than a daily basis, shall include hourly price and use	
13		information when available, and shall include a day-ahead projection of such	
14		price information to the extent available; and	
15		• Sources - Purchaser and other interested persons shall be provided annually with	
16		written information on the sources of the power provided by the utility, to the	
17		extent it can be determined, by type of generation, including greenhouse gas	
18		emissions associated with each type of generation, for intervals during which such	
19		information is available on a cost-effective basis.	
20	Q.	Does Big Rivers or its Members have any tariffs, practices or policies relating to this	
21	stand	ard?	
22	Α.	Yes. Big Rivers and Kenergy have a "real-time" pricing pilot program through which	
23	qualif	ying retail customers who chose to participate could receive time-based retail pricing. Big	

1	Rivers' Members are well-aware of Big Rivers' current wholesale pricing, and they are provided		
2	information on projected wholesale pricing as well. Such information is available to the		
3	Members' retail customers. Big Rivers provides its Members, and they provide their retail		
4	customers with usage information in their electric bills. The Members are also well-aware of the		
5	sources of Big Rivers' power, which include the Big Rivers owned generating plants, power		
6	purchased from SEPA, power purchased from a renewable energy resource on the Big Rivers		
7	system, and any necessary power purchases from the wholesale market. The Members have		
8	made their customers aware of the program under which retail customers can purchase the power		
9	from the renewable energy resource.		
10	Q.	If the Commission adopts this standard, what impact will it have on customers, in	
11	terms	of consumption patterns and cost, and will there be a substantially different impact	
11 12		of consumption patterns and cost, and will there be a substantially different impact ticular customers within a class resulting from adoption of the standard?	
12	on par	ticular customers within a class resulting from adoption of the standard?	
12 13	on par A.	ticular customers within a class resulting from adoption of the standard? The standard is too vague to determine the impact it would have on customers.	
12 13 14	on par A. Q. A.	ticular customers within a class resulting from adoption of the standard?         The standard is too vague to determine the impact it would have on customers.         Should the Commission adopt this standard?	
12 13 14 15	on par A. Q. A. help to	<ul> <li>The standard is too vague to determine the impact it would have on customers.</li> <li>Should the Commission adopt this standard?</li> <li>No. Big Rivers' real-time pricing pilot program should be allowed to proceed, which will</li> </ul>	
12 13 14 15 16	on par A. Q. A. help to particip	<ul> <li>The standard is too vague to determine the impact it would have on customers.</li> <li>Should the Commission adopt this standard?</li> <li>No. Big Rivers' real-time pricing pilot program should be allowed to proceed, which will determine what information retail customer's desire. Currently, there are no customers</li> </ul>	
12 13 14 15 16 17	on par A. Q. A. help to particip	<ul> <li>rticular customers within a class resulting from adoption of the standard?</li> <li>The standard is too vague to determine the impact it would have on customers.</li> <li>Should the Commission adopt this standard?</li> <li>No. Big Rivers' real-time pricing pilot program should be allowed to proceed, which will</li> <li>determine what information retail customer's desire. Currently, there are no customers</li> <li>pating in the pilot program, which indicates a lack of desire on the part of retail customers</li> </ul>	

21

1

# Additional Incentives for Recovery, Use and Prevention of Industrial Waste Energy

2	Q.	What is the industrial waste energy standard?		
3	A.	The EISA 2007 industrial waste energy standard requires the Commission to consider		
4	wheth	whether "an owner or operator of a waste energy recovery project identified on the Registry that		
5	generates net excess power shall be eligible to benefit from at least 1 of the options" described i			
6	the st	atute for disposal of the net excess power.		
7	Q.	What are the options described in the statute for the disposal of the net excess		
8	power.			
9	Α.	The options provided by EISA 2007 for the disposal of the net excess power are:		
10		• sale of net excess power to the utility;		
11		• transport by utility for direct sale to a third party;		
12		• transport over private transmission lines; or		
13		• agreed alternatives.		
14	Q.	Does Big Rivers or its Members have any tariffs, practices or policies relating to this		
15	stand	lard?		
16	Α.	Big Rivers and its Members have and will continue to work with customers interested in		
17	the re	covery of industrial waste energy.		
18	Q.	If the Commission adopts the standard, what impact will it have on customers, in		
19	term	s of consumption patterns and cost, and will there be a substantially different impact		
20	on pa	articular customers within a class resulting from adoption of the standard?		
21	A.	Big Rivers and its Members have no way to measure the impacts on customers of this		
22	standard. Other customers of Big Rivers and its Members should not be required to subsidize			
23	one c	ustomer's efforts to recover industrial waste energy.		

# 1 Q. Should the Commission adopt this standard?

A. No. Big Rivers and its Members should not be required to wheel power for retail
customers, nor should they be required to bear any cost associated with the efforts of one
customer or a small group of customers to recover industrial waste energy.

- 5 Q. Are there any alternative standards the commission should adopt?
- 6 A. No.
- 7 Q. Does this conclude your testimony?
- 8 A. Yes.

I verify, state, and affirm that the foregoing testimony is true and correct to the best of my knowledge and belief

Asafon David A Spainhoward

COMMONWEALTH OF KENTUCKY COUNTY OF HENDERSON

SUBSCRIBED AND SWORN TO before me by David A. Spainhoward on this the grad day of January, 2009

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Notary Public, Ky. State at Large My Commission Expires\_1/24/09

I verify, state, and affirm that the foregoing testimony is true and correct to the best of my knowledge and belief.

9. Jeller Juntor la G. Kelly Nucket

COMMONWEALTH OF KENTUCKY COUNTY OF Mc Cracker ) )

SUBSCRIBED AND SWORN TO before me by G. Kelly Nuckols on this the ( day ofJanuary, 2009.

Starre Cean Hatten Notary Public, Ky. State at Large My Commission Expires <u>April</u> 9, 2011

I verify, state, and affirm that the foregoing testimony is true and correct to the best of my knowledge and belief.

Sanford Novick Nonch

COMMONWEALTH OF KENTUCKY COUNTY OF (1000)

SUBSCRIBED AND SWORN TO before me by Sanford Novick on this the  $\frac{\gamma 4 \lambda}{2}$  day of January, 2009.

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Notary Public, Ky. State at Large My Commission Expires <u>5-24-11</u>

I verify, state, and affirm that the foregoing testimony is true and correct to the best of my knowledge and belief.

San E. Mercer

COMMONWEALTH OF KENTUCKY ) COUNTY OF \_\_\_\_\_\_\_ )

SUBSCRIBED AND SWORN TO before me by Burns E. Mercer on this the  $\frac{6^{++}}{6^{-+}}$  day of January, 2009.

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Notary Public, Ky. State at Large My Commission Expires <u>3-18-2012</u>