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February 11, 2011

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

RECEIVED

FEB 14 2011

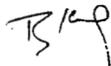
PUBLIC SERVICE  
COMMISSION

**Re: In the Matter of: An Examination of the Application of the Fuel  
Adjustment Clause of Big Rivers Electric Corporation from July 17, 2009,  
through October 31, 2010, Case No. 2010-00495**

Dear Mr. DeRouen:

Enclosed for filing on behalf of Big Rivers Electric Corporation are an original and ten copies of Big Rivers' responses to the data requests contained in Appendix B of the Commission's January 26, 2011, Order in the above referenced matter, along with the direct testimonies of Mark A. Davis, Michael J. Mattox, and Mark W. McAdams. The exhibits to Big Rivers' responses to Item 9 and Item 24b. of the data requests are being filed under a petition for confidential treatment. An original and ten copies of the petition are also enclosed. As no other parties have intervened in this matter, the data request responses, testimony, and petition for confidential treatment are not being served on any other party.

Sincerely,



Tyson Kamuf

TAK/ej  
Enclosures

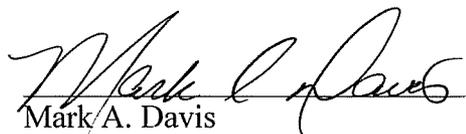
cc: Albert Yockey

Telephone (270) 926-4000  
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1  
... St. Ann Building  
PO Box 727  
Owensboro, Kentucky  
42302-0727

**VERIFICATION**

I, Mark A. Davis, verify, state, and affirm that I prepared, or supervised the preparation of, the data request responses for which I am a witness and the testimony filed with this verification, and that those responses and that testimony are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

  
Mark A. Davis

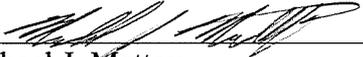
COMMONWEALTH OF KENTUCKY     )  
COUNTY OF HENDERSON         )

SUBSCRIBED AND SWORN TO before me by Mark A. Davis on this the 11<sup>th</sup> day of February, 2011.

  
\_\_\_\_\_  
Notary Public, Ky. State at Large  
My Commission Expires 1-12-13

**VERIFICATION**

I, Michael J. Mattox, verify, state, and affirm that I prepared, or supervised the preparation of, the data request responses for which I am a witness and the testimony filed with this verification, and that those responses and that testimony are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

  
\_\_\_\_\_  
Michael J. Mattox

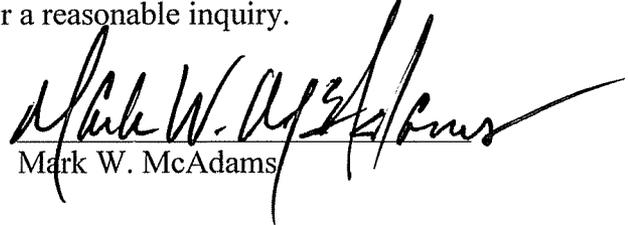
COMMONWEALTH OF KENTUCKY    )  
COUNTY OF HENDERSON         )

SUBSCRIBED AND SWORN TO before me by Michael J. Mattox on this the 11<sup>th</sup> day of February, 2011.

  
\_\_\_\_\_  
Notary Public, Ky. State at Large  
My Commission Expires 1-12-13

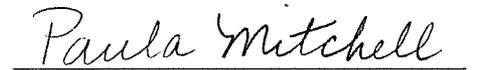
**VERIFICATION**

I, Mark W. McAdams, verify, state, and affirm that I prepared, or supervised the preparation of, the data request responses for which I am a witness and the testimony filed with this verification, and that those responses and that testimony are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

  
Mark W. McAdams

COMMONWEALTH OF KENTUCKY     )  
COUNTY OF HENDERSON         )

SUBSCRIBED AND SWORN TO before me by Mark W. McAdams on this the 11<sup>th</sup> day of February, 2011.

  
Notary Public, Ky. State at Large  
My Commission Expires 1-12-13

**VERIFICATION**

I, David J. Ashby, verify, state, and affirm that I prepared, or supervised the preparation of, the data request responses for which I am a witness and filed with this verification, and that those responses are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

David J. Ashby  
David J. Ashby

COMMONWEALTH OF KENTUCKY     )  
COUNTY OF HENDERSON            )

SUBSCRIBED AND SWORN TO before me by David J. Ashby on this the 11<sup>th</sup> day of February, 2011.

Paula Mitchell  
Notary Public, Ky. State at Large  
My Commission Expires 1-12-13

**VERIFICATION**

I, Lawrence V. Baronowsky, verify, state, and affirm that I prepared, or supervised the preparation of, the data request responses for which I am a witness and filed with this verification, and that those responses are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

  
Lawrence V. Baronowsky

COMMONWEALTH OF KENTUCKY    )  
COUNTY OF HENDERSON        )

SUBSCRIBED AND SWORN TO before me by Lawrence V. Baronowsky on this the 11<sup>th</sup> day of February, 2011.

  
Notary Public, Ky. State at Large  
My Commission Expires 1-12-13

**VERIFICATION**

I, Roger D. Hickman, verify, state, and affirm that I prepared, or supervised the preparation of, the data request responses for which I am a witness, and that those responses are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

  
Roger D. Hickman

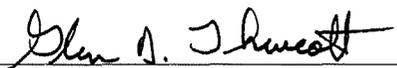
COMMONWEALTH OF KENTUCKY     )  
COUNTY OF HENDERSON            )

SUBSCRIBED AND SWORN TO before me by Roger D. Hickman on this the 11<sup>th</sup> day of February, 2011.

  
Notary Public, Ky. State at Large  
My Commission Expires 1-12-13

**VERIFICATION**

I, Glen D. Thweatt, verify, state, and affirm that I prepared, or supervised the preparation of, the data request responses for which I am a witness, and that those responses are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

  
\_\_\_\_\_  
Glen D. Thweatt

COMMONWEALTH OF KENTUCKY     )  
COUNTY OF HENDERSON         )

SUBSCRIBED AND SWORN TO before me by Glen D. Thweatt on this the 17<sup>th</sup> day of February, 2011.

  
\_\_\_\_\_  
Notary Public, Ky. State at Large  
My Commission Expires 1-12-13

1 COMMONWEALTH OF KENTUCKY  
2 BEFORE THE PUBLIC SERVICE COMMISSION  
3

4 In the Matter of:  
5

6 AN EXAMINATION OF THE APPLICATION OF )  
7 THE FUEL ADJUSTMENT CLAUSE OF BIG ) CASE NO.  
8 RIVERS ELECTRIC CORPORATION FROM ) 2010-00495  
9 JULY 17, 2009 THROUGH OCTOBER 21, 2010 )  
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24 DIRECT TESTIMONY  
25 OF  
26 MARK A. DAVIS  
27 ON BEHALF OF  
28 BIG RIVERS ELECTRIC CORPORATION

**DIRECT TESTIMONY OF MARK A. DAVIS**

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**Q. Please state your name, business address and occupation.**

A. My name is Mark A. Davis and my business address is Big Rivers Electric Corporation, 201 Third Street, Henderson, Kentucky, 42420. I am a Senior Accountant focused on regulatory and debt management accounting. I report to the Director of Finance at Big Rivers.

**Q. Please summarize your education and professional experience.**

A. I received a B.S. in Accounting in December 2004 from Murray State University (“Murray State”) in Murray, Kentucky. I became a Certified Public Accountant in April 2007. In January 2005, after graduating from Murray State, I was employed as an Accountant with Alford, Nance and Jones LLP (“Alford Nance”) in Madisonville, Kentucky. My duties at Alford Nance included preparing individual and corporate tax returns, conducting government audits and reviews, and preparing and analyzing clients’ financial statements. In July 2007, I was employed by Phoenix Coal Corp of Madisonville as a Senior Accountant focused on financial analysis and reporting. My duties there included preparing and filing severance, excise, and sales/use taxes; tracking coal tonnage and analyzing coal quality; preparing quarterly management and government reports; and creating

1 and establishing accounting processes and procedures. I started at Big Rivers in  
2 November 2009 in my current position.

3

4 **Q. Please summarize your duties at Big Rivers.**

5

6 A. As a Senior Accountant with responsibilities for regulatory reporting and debt  
7 management, my duties include monthly preparation of the Fuel Adjustment  
8 Clause Form A, the Environmental Surcharge, the Unwind Surcredit, and the  
9 Member Rate Stability Mechanism. These responsibilities also include filing  
10 documents related thereto with the Public Service Commission of Kentucky (“the  
11 Commission”). I also prepare the Non-Fuel Adjustment Clause Purchased Power  
12 Adjustment. As part of my debt management duties, I analyze and prepare  
13 payments, accruals, and entries for debt obligations including Rural Utilities  
14 Service obligations, Pollution Control Bonds, lines of credit, and letters of credit.  
15 I also monitor the debt covenants and budget debt expenses.

16

17 **Q. Have you previously testified before this Commission?**

18

19 A. Yes. I testified at the October 12, 2010 hearing in Big Rivers’ fuel adjustment  
20 clause (“FAC”) review proceeding for the six-month period ending April 30, 2010  
21 (Case No. 2010-00269). I have also prepared and filed data responses in that and  
22 other cases on behalf of Big Rivers.

23

1 **Q. What is the purpose of your testimony in this proceeding?**

2

3 A. The purpose of my testimony is to describe the application of Big Rivers' FAC  
4 for the period from July 17, 2009, through October 31, 2010 (the "Review  
5 Period").

6

7 **Q. Please provide a brief overview of Big Rivers' FAC mechanism.**

8

9 A. Big Rivers' FAC mechanism was approved by the Commission by Order dated  
10 March 6, 2009, in Case No. 2007-00455, in connection with the Big Rivers  
11 Unwind Transaction, when Big Rivers took back control of its generating units  
12 from E.ON U.S. LLC and its affiliates ("E.ON"). Big Rivers' FAC went into  
13 effect immediately following the July 16, 2009, closing of the Unwind  
14 Transaction for service commencing July 17, 2009. Big Rivers' FAC is a  
15 standard FAC similar to the FAC's used by other utilities in Kentucky.

16

17 **Q. Is Big Rivers' FAC consistent with the Kentucky regulations on fuel  
18 adjustment charges?**

19

20 A. Yes.

21

22 **Q. Please summarize how the monthly Adjustment Factor is calculated for Big  
23 Rivers' FAC mechanism?**

1

2 A. The monthly Adjustment Factor is calculated as follows:

3 
$$\text{Adjustment Factor} = F/S - 1.072 \text{ cents per kWh}$$

4 where  $F$  represents the fuel expense in the second preceding month and  $S$   
5 represents the sales in the second preceding month.

6

7 **Q. During the first two months of the operation of the FAC, Big Rivers did not**  
8 **have fuel cost experience upon which to establish an FAC Adjustment**  
9 **Factor. How was the Adjustment Factor determined during those months?**

10

11 A. Because  $F(m)/S(m)$  is calculated based on fuel costs  $F(m)$  and sales  $S(m)$  for the  
12 second month preceding the month during which the FAC Adjustment Factor is  
13 billed, Big Rivers did not have historical fuel cost experience which could be used  
14 to compute the FAC Adjustment Factor for the first two months after the closing  
15 of the Unwind Transaction. Instead, the plan (which was adopted as part of the  
16 Unwind Transaction) was for Big Rivers to use historical fuel costs from Western  
17 Kentucky Energy Corp. (“WKEC”)<sup>1</sup> for those first two months. The Unwind  
18 Transaction closed on July 16, 2009. Big Rivers used WKEC’s fuel costs from  
19 June 2009 to calculate the FAC for the July 2009 billing month. Big Rivers used  
20 WKEC’s fuel costs from July 1 to 16, 2009, and Big Rivers’ fuel costs for the rest  
21 of July 2009 to calculate the FAC for the August 2009 billing month. Big Rivers  
22 has used its fuel costs to calculate the FAC since those first two months.

23

---

<sup>1</sup> WKEC operated the Big Rivers generating plans prior to the closing of the Unwind Transaction.

1 **Q. What base fuel cost did Big Rivers use during the Review Period?**

2

3 A. Big Rivers used a base fuel cost of 1.0720 cents/kWh.

4

5 **Q. Is Big Rivers proposing to change the base fuel cost as part of this**  
6 **proceeding?**

7

8 A. Yes. Big Rivers is proposing a base change from 1.0720 cents/kWh to 2.0932  
9 cents/kWh.

10

11 **Q. How did Big Rivers arrive at that proposed base fuel cost?**

12

13 A. As explained in more detail in Big Rivers' responses to Items 1 and 2 of the  
14 Commission Staff's data requests, Big Rivers reviewed its past, current, and  
15 projected fuel costs, and based on that review, Big Rivers believes that the  
16 October 2010 fuel cost of 2.0932 cents/kWh is a reasonable amount to be used as  
17 the fuel base over the next two years.

18

19 **Q. Please describe the Economic Reserve account and the Member Rate**  
20 **Stability Mechanism ("MRSM")?**

21

22 A. Big Rivers established the Economic Reserve account to hold \$157 million plus  
23 interest of the funds it received from E.ON in consideration for entering into the

1 Unwind Transaction. At the same time, Big Rivers implemented the MRSM,  
2 which is a tariff rider through which Big Rivers refunds to its members amounts  
3 in the Economic Reserve account to help offset FAC and environmental surcharge  
4 charges.

5

6 **Q. What is the balance of the Economic Reserve Account and how long does Big**  
7 **Rivers anticipate before the Account is exhausted?**

8

9 A. The balance of the Economic Reserve as of October 31, 2010 was  
10 \$124,967,414.66. It is anticipated that the Economic Reserve will not be fully  
11 depleted until sometime in 2015.

12

13 **Q. Has Big Rivers' FAC mechanism been accurately compiled, and is it**  
14 **operating as intended?**

15

16 A. Yes.

17

18 **Q. Are the amounts charged under Big Rivers' FAC mechanism during the**  
19 **Review Period just and reasonable?**

20

21 A. Yes.

22

23 **Q. Does this conclude your testimony?**

1

2 A. Yes.

1  
2 COMMONWEALTH OF KENTUCKY  
3 BEFORE THE PUBLIC SERVICE COMMISSION  
4

5 In the Matter of:  
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25 DIRECT TESTIMONY  
26 OF  
27 MICHAEL J. MATTOX  
28 ON BEHALF OF  
29 BIG RIVERS ELECTRIC CORPORATION

1  
2 **DIRECT TESTIMONY OF MICHAEL J. MATTOX**

3  
4 **Q. Please state your name, business address, and occupation.**

5  
6 A. My name is Michael J. Mattox and my business address is Big Rivers Electric  
7 Corporation, 201 Third Street, Henderson, Kentucky, 42420. I am employed by  
8 Big Rivers Electric Corporation (“Big Rivers”) as its Director Resources and  
9 Forecasting. I report to C. William Blackburn, Senior Vice President Financial &  
10 Energy Services & Chief Financial Officer.

11  
12 **Q. Please summarize your education and professional experience.**

13  
14 A. I graduated in 1990 from Purdue University with a Bachelor of Science Degree in  
15 Aeronautical and Astronautical Engineering. I graduated in 1992 from Texas  
16 A&M University with a Master of Science Degree in Civil Engineering. I  
17 graduated in 2001 from Washington University in St. Louis with a Master of  
18 Business Administration degree. I previously worked for Yankee Atomic Electric  
19 and Duke Energy as a mechanical/structural engineer from 1992 to 1999. I also  
20 worked in risk management positions at Enron and Peabody Energy from 2001-  
21 2002. I have worked at Big Rivers since 2003 in various positions in the Energy  
22 Services Department.

23  
24 **Q. Please summarize your duties at Big Rivers.**

1

2 A. My duties include working with other Energy Service department employees to  
3 optimize the value of Big Rivers' assets. This includes oversight of ACES Power  
4 Marketing, review of master trade agreements, responding to regulator data  
5 requests, oversight of preparation of the Load Forecast and Integrated Resource  
6 Plan, load forecasting, calculation of data points for inclusion in invoices for  
7 HMP&L, Domtar and Smelter contracts and other *ad hoc* analyses and projects.

8

9 **Q. Have you previously testified before this Commission?**

10

11 A. Yes. I testified at the October 12, 2010 hearing in Big Rivers' fuel adjustment  
12 review ("FAC") review proceeding for the six-month period ending April 30,  
13 2010 (Case No. 2010-00269). I have also prepared and filed data responses in  
14 that and other cases on behalf of Big Rivers.

15

16 **Q. What is the purpose of your testimony in this proceeding?**

17

18 A. The purpose of my testimony is to describe changes in the wholesale electric  
19 power market and their effect on Big Rivers' electric power procurement  
20 practices.

21

22 **Q. Please describe any changes in the wholesale electric power market that**  
23 **occurred during the Review Period or that Big Rivers expects to occur within**

1           **the next two years that have significantly affected or will significantly affect**  
2           **Big Rivers' electric power procurement practices.**

3  
4       A.     During the past two years wholesale electric power market prices have been and  
5           continue to remain depressed due to the weakened economy. This has greatly  
6           reduced the income Big Rivers has historically made from off-system sales of its  
7           excess energy.

8  
9           In January 2009, the Midwest ISO launched the Ancillary Services Market  
10          ("ASM"), which directly impacted those utilities with generation and load within  
11          the Midwest ISO footprint. A consequence of the launch of the ASM was the  
12          demise of the Midwest Contingency Reserve Sharing Group ("MCRSG") on  
13          December 31, 2009, which ultimately led to Big Rivers' decision to join the  
14          Midwest ISO.

15  
16          Pending Environmental Protection Agency ("EPA") regulations may significantly  
17          affect wholesale electric power market prices and Big Rivers. Until EPA  
18          regulations are finalized, it is impossible to know to what extent the impact will  
19          be to Big Rivers. Significant costs could be incurred by Big Rivers if existing  
20          plants need to be retrofitted with new equipment. Generating units could also be  
21          shutdown should installation of new equipment be physically impossible or  
22          financially prohibitive resulting in loss of revenue to Big Rivers. Such changes  
23          would impact the entire wholesale market due to fixed and variable costs of new

1 equipment and tighter supply and demand (due to partial or complete shutdown of  
2 generators) thereby driving up purchase power costs.

3

4 **Q. Have Big Rivers' electric power procurement practices during the Review**  
5 **Period been reasonable?**

6

7 A. Yes, Big Rivers always seeks to procure the lowest cost reliable power in the  
8 most cost effective manner while limiting financial and operational risks to the  
9 company, complying with applicable state laws, federal laws, transmission  
10 constraints, and reliability standards.

11

12

13 **Q. Does this conclude your testimony?**

14

15 A. Yes.

1  
2 COMMONWEALTH OF KENTUCKY  
3 BEFORE THE PUBLIC SERVICE COMMISSION  
4

5 In the Matter of:

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7 AN EXAMINATION OF THE APPLICATION OF )  
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9 RIVERS ELECTRIC CORPORATION FROM ) 2010-00495  
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25 DIRECT TESTIMONY  
26 OF  
27 MARK W. MCADAMS  
28 ON BEHALF OF  
29 BIG RIVERS ELECTRIC CORPORATION

1  
2 **DIRECT TESTIMONY OF MARK W. MCADAMS**

3  
4 **Q. Please state your name, business address and occupation.**

5  
6 A. My name is Mark W. McAdams and my business address is Big Rivers Electric  
7 Corporation (“Big Rivers”), 201 Third Street, Henderson, Kentucky, 42420. I am  
8 the Director, Fuels Procurement for Big Rivers, and I report to C. William  
9 Blackburn (Senior Vice President, Financial & Energy Services and Chief  
10 Financial Officer).

11  
12 **Q. Please summarize your education and professional experience.**

13  
14 A. I have Bachelor’s degrees in Biology, Psychology, and Business, as well as a  
15 Master of Business Administration (emphasis Management). I was a Domestic  
16 and Industrial Marketing Representative for Chevron U.S.A, prior to joining  
17 Louisville Gas & Electric Company (“LG&E”) in 1990. During my tenure at  
18 LG&E, I served as logistics coordinator and contract administrator. In July 1998,  
19 I was transferred to the Western Kentucky Energy Corp. (“WKE”) subsidiary and  
20 became the Manager, Fuels Strategy and Procurement. I left WKE on December  
21 31, 2007, to become the Director of Fuel Procurement for Big Rivers.

22  
23 **Q. Please summarize your duties at Big Rivers.**

1 A. I am responsible for Big Rivers' fuel, reagent, and transportation procurement  
2 activities.

3

4 **Q. Have you previously testified before this Commission?**

5

6 A. Yes. I testified during my tenure at LG&E and in the past fuel adjustment hearing  
7 (October 12, 2010) in Big Rivers' fuel adjustment ("FAC") review proceeding for  
8 the six-month period ending April 30, 2010 (Case No. 2010-00269). I have also  
9 prepared and filed data responses in that and other cases on behalf of Big Rivers.

10

11 **Q. What is the purpose of your testimony in this proceeding?**

12

13 A. The purpose of my testimony is to describe Big Rivers' fuel procurement  
14 practices as they relate to the FAC for the period from July 17, 2009, through  
15 October 31, 2010 (the "Review Period").

16

17 **Q. Have Big Rivers' coal suppliers adhered to their contract delivery schedules  
18 during the Review Period?**

19

20 A. The majority of coal supply contracts are compliant with schedules that were  
21 established during the time frame of the Review Period. Big Rivers recently  
22 became aware of a partial force majeure regarding PBP Energy, LLC (a coal fines  
23 reclamation contract) due to a pending operating permit and the parties are still

1           awaiting resolution of the permit issue. This will affect delivery and potentially  
2           the total tonnage that can be delivered from this coal supply agreement.  
3           Similarly, Big Rivers' contract with Coal Network remains in a suspended status  
4           due to the absence of an operating permit.

5  
6           Patriot Coal Sales had 46,000 tons of shortfall coal that will be delivered by  
7           January 2011. Peabody Coal Sales had 56,000 tons of shortfall coal supply that  
8           will be delivered by February 2011. The Peabody and Patriot shortfall tonnage  
9           was mutually rescheduled to accommodate both companies and the coal supply  
10          was at less cost than other spot coal alternatives.

11

12   **Q.    What efforts has Big Rivers made in general to help ensure coal suppliers'**  
13   **adherence to contract delivery schedules during the review period?**

14

15   A.    Big Rivers reviews its delivery schedules with suppliers and its generating station  
16    contacts on a daily basis to ensure that scheduled tonnage has been completed  
17    over the term of the contractual agreement. In the event of delay (mining and/or  
18    logistics issues), the parties agree upon revised schedules to ensure completion of  
19    contractual tonnage amounts. In the event of force majeure, the non-declaring  
20    party has a contractual option as to whether to reschedule any shortfall tonnage.  
21    Contractual documents for coal supply denote that time is of the essence in regard  
22    to coal delivery. Big Rivers has not had a situation where it needed to invoke  
23    contract language regarding delinquent or missed shipments, as yet, following

1           resumption of operation of the generating units. In such an event, the supplier  
2           would be provided notice of shortfall or non-delivery pursuant to the contractual  
3           agreement and would be obligated to remedy such default or face the potential  
4           termination of the agreement.

5  
6   **Q.    What is the status of the PBP Energy, LLC and Coal Network contracts?**

7  
8   A.    PBP Energy, LLC and Coal Network are working diligently with their respective  
9           mining engineering firms to provide the Corps of Engineers all the necessary data  
10          and information for their operating permits in order to continue to reclaim coal  
11          fines and to initiate mining from the contractual coal properties for delivery to Big  
12          Rivers.

13  
14   **Q.    What efforts has Big Rivers made to maintain the adequacy of its coal  
15           supplies in light of the failure of the above suppliers to adhere to their  
16           contract delivery schedules?**

17  
18   A.    The PBP Energy, LLC contract is a small portion of Big Rivers' overall coal  
19           supply. The contract delivery is divided between two generating stations and  
20           amounts to approximately four percent of each station's total fuel utilization. Big  
21           Rivers worked with Peabody and Patriot to carry-forward shortfall tonnage as  
22           both coal supply contracts were below other similar market opportunities in terms  
23           of quality and cost. Big Rivers has remained active in the spot market to ensure

1 that the stations maintain adequate deliveries and to ensure adequate inventory.  
2 Spot coal was purchased to provide coal supply resulting from the Coal Network  
3 force majeure situation. Spot coal was procured at a cost less than the contracted  
4 tonnage.

5  
6 **Q. Please describe any changes in coal market conditions that occurred during**  
7 **the Review Period or that Big Rivers expects to occur within the next two**  
8 **years that have significantly affected or will significantly affect Big Rivers'**  
9 **coal procurement practices.**

10  
11 A. As a result of international coal demand, coal normally retained within the United  
12 States, particularly the Illinois Basin coal supply, has started to move into the  
13 export market for international sale. Also, in light of impending emissions  
14 regulations, many utility companies that formerly utilized lower sulfur coal have  
15 now or are in the process of installing flue gas desulphurization equipment  
16 ("scrubbers") and are moving their procurement of fuel from the Central  
17 Appalachian region to the higher sulfur Illinois Basin. Mine regulation and  
18 inspection are increasing in regard to new health and safety laws. Associated  
19 costs of mining (fuel, steel, explosives, labor, and health care) are increasing.  
20 Thus, demand for Illinois Basin fuel is expanding while mining operations are  
21 also challenged in terms of cost of production, potentially resulting in an overall  
22 price increase, not to mention price volatility, due to commodities utilized in the  
23 mining process itself. Environmental and permitting processes are more

1 challenging and timelines for completion and approval of such permits has been  
2 extended, creating challenges for existing operations to meet increasing demand  
3 and existing and/or future operations to remain pending for extended periods of  
4 time. Historically, buyers of Illinois Basin coal have enjoyed a more stable  
5 environment; however, increased demand, delays experienced in expanding or  
6 initiating new mining operations, and commodity uncertainty may result in more  
7 volatility of fuel pricing and less availability of overall tonnage, particularly spot  
8 market tonnage. This same uncertainty and volatility has financially impacted  
9 smaller producers, resulting in corporate mining operations further consolidating  
10 the marketplace. Big Rivers fuel procurement practices have not been adversely  
11 impacted to date; however, the potential of these various market pressures could  
12 well bring higher pricing and less stability in terms of supply. Big Rivers will  
13 continue to actively survey the marketplace for opportunities to secure its fuel  
14 supply for short and long-term business, weighing these market forces while  
15 making procurement decisions.

16  
17 **Q. Have Big Rivers' fuel procurement purchases and practices during the**  
18 **Review Period been reasonable?**

19  
20 **A.** Yes. Big Rivers practices have included spot, mid, and long-term fuel and  
21 logistics procurement, in a concerted and planned fashion, to attempt to limit its  
22 exposure to volatility in the marketplace and to ensure competitive and reliable  
23 fuel supply to its generating stations. Big Rivers fuel procurement practices

1 include interaction with various departments within the company (finance,  
2 generation planning, operations, energy marketing, and material handling) to  
3 ensure that the fuel supply agreements being established meet the planned  
4 generation and inventory goals of the company. Coal is secured after evaluation  
5 of quality, reliability, and competitiveness of the provider. Big Rivers strives for  
6 transparency within and outside of the cooperative, ensuring that its procurement  
7 practices are sound, ethical, and appropriate for the intended purpose. The  
8 company engages in formal competitive bid processes and engages internal  
9 controls (internal bid opening processes to include multiple persons and  
10 departments, bid tabulation and review by varying constituencies of the company,  
11 and internal risk management evaluation) to ensure transparency, accountability,  
12 and appropriate officer and management level approval for procurement action.

13

14 **Q. Does this conclude your testimony?**

15

16 **A. Yes.**



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 1)** *State the month to be used as the base period (b). Include a*  
2 *comprehensive, detailed explanation of the factors considered in the selection of this*  
3 *month as being representative of the net generating cost per kWh that Big Rivers will*  
4 *incur between November 1, 2010 and October 31, 2012 ("the next two-year period"). If*  
5 *no change is proposed, include a narrative explanation of the reason(s) Big Rivers*  
6 *believes the current base period fuel cost should remain unchanged.*

7  
8 **Response)** After reviewing past, current and projected fuel costs, Big Rivers proposes  
9 its October 2010 expense month as the month to be used as the base period, and the  
10 October 2010 fuel cost of 2.0932 cents/kWh as the fuel base over the next two years.

11  
12 Big Rivers reviewed all of its FAC factors for the two-year period ending with the  
13 expense month of October 31, 2010, and concluded that October 2010 was the most  
14 representative of the months in that period for the anticipated FAC factors over the next  
15 two-year period. In the period reviewed, Big Rivers' monthly FAC factors ranged from a  
16 low of 1.877 cents/kWh to a high of 2.286 cents/kWh. The average FAC cost for the  
17 period reviewed was 2.077 cents/kWh. The average FAC cost for the period November  
18 2009 through October 2010 was 2.108 cents/kWh. The average FAC cost for the period  
19 May 2010 through October 2010 was 2.095 cents/kWh.

20  
21 Based upon its review, Big Rivers concludes that October 2010 is more representative of  
22 the next two-year period, even though October 2010 is one of the higher fuel cost months  
23 reviewed. That conclusion is further supported by Big Rivers' projections of fuel costs in  
24 2011 and 2012 being higher than they were in the period reviewed. For additional  
25 explanation of factors underlying the fuel cost projections, please see Big Rivers'  
26 response to Item 2 of the Commission Staff's Data Request dated January 26, 2011  
27 ("Staff's January 26 Data Request").

**BIG RIVERS ELECTRIC CORPORATION**  
**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT**  
**CLAUSE OF BIG RIVERS ELECTRIC CORPORATION**  
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**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 Big Rivers also believes that fuel costs will be the main driver of its net generating costs  
2 per kWh over the next two-year period, and so, October 2010 is the most representative  
3 month in the period reviewed for Big Rivers' net generating costs per kWh over the next  
4 two-year period.

5

6

7 **Witness)**      Mark W. McAdams

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**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 2)** *Provide a calculation of the fossil fuel costs  $F(b)$  that Big Rivers*  
2 *proposes to use to calculate the base period fuel cost. This calculation shall show each*  
3 *component of  $F(b)$  as defined by 807 KAR 5056. Explain why the fuel cost in the*  
4 *selected base period is representative of the level of fuel cost that Big Rivers will incur*  
5 *during the next two-year period.*

6  
7 **Response)** Please see the attachment to this response for the calculation of Big  
8 Rivers' proposed  $F(b)$ .

9  
10 Fuel costs for 2011 are expected to be higher than the average price paid for coal in the  
11 2009 and 2010 time periods as a result of the unavailability of lower priced, petroleum  
12 coke that Big Rivers has utilized in blending with regional coal supply to lower its overall  
13 cost of fuel. In the absence of petroleum coke, Big Rivers must procure coal as its  
14 substitute. Further, petroleum coke often afforded Big Rivers the opportunity to procure  
15 lower quality coal (*i.e.*, lower cost coal) in its blending process. In essence, in the  
16 absence of petroleum coke (due to pricing and export of the product), Big Rivers must  
17 not only procure coal; but, it must procure coal of a higher quality (higher BTU/lb). The  
18 higher quality coal, is traditionally coal that is washed, and is more expensive than the  
19 lower quality (lower BTU/lb) coal purchased in the past. In losing petroleum coke as a  
20 lower priced alternative fuel, and in having to purchase higher quality coal as its  
21 substitute, there is a "doubling effect" of the final price for fuel. Further exacerbating  
22 coal costs are increasing regulatory and environmental hurdles in terms of mining and  
23 processing coal. The permit process has been delayed and is more costly in its process,  
24 which lessens coal availability and drives pricing in the marketplace. As of late,  
25 international demand has also created export sales opportunities for Central and Northern  
26 Appalachian coal, and more recently, export opportunities for the Illinois Basin to include  
27 Western Kentucky coal production. Increased pressures on timing and availability of  
28 coal (permitting) and cost of production (including increasing mine health and safety

29  
30 Item 2

31 Page 1 of 2

**BIG RIVERS ELECTRIC CORPORATION**  
**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT**  
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**CASE NO. 2010-00495**

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**February 14, 2011**

1 laws and loss of productivity in mining), increasing demand in light of resurgence in the  
2 U.S. economy, as well as the burgeoning international demand in emerging nations  
3 (China, Indian, Brazil, Argentina, *etc.*) are all having an impact on coal production and  
4 availability, creating the potential for price pressures in almost every coal basin.

5  
6 Big Rivers has budgeted fuel costs for 2011 of 2.102 cents/kWh, and has projected in its  
7 financial plan fuel costs of 2.430 cents/kWh for 2012. Based on the information provided  
8 above, and the discussion in the response to Item 1 of the Staff's January 26 Data  
9 Request, Big Rivers felt the October 2010 fuel cost was the most representative of the  
10 months under review for the fuel costs anticipated over the next two-year period since  
11 October 2010 was one of the higher fuel cost months.

12  
13  
14 **Witness)**      Mark W. McAdams

# BIG RIVERS ELECTRIC CORPORATION

## FUEL COST SCHEDULE

Expense Month = October 2010

(A) <u>Company Generation</u>		
Coal Burned	(+) \$	15,885,205
Pet Coke Burned	(+)	1,540,347
Oil Burned	(+)	262,749
Gas Burned	(+)	66,733
Propane Burned	(+)	-
Fuel (Assigned Cost during Forced Outage)	(+)	1,287,991
Fuel (Substitute Cost for Forced Outage)	(-)	718,854
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	9,738
Fuel (Domtar back up / imbalance generation)	(-)	12,251
SUB-TOTAL	\$	18,302,182
(B) <u>Purchases</u>		
Net Energy Cost – Economy Purchases	(+) \$	160,321
Identifiable Fuel Cost – Other Purchases	(+)	193,061
Identifiable Fuel Cost – Forced Outage Purchases	(+)	1,136,356
Identifiable Fuel Cost (Substitute for Forced Outage)	(-)	1,136,356
Less Purchases for Supplemental and Back-Up Energy to Smelters (-)	(-)	-
Less purchases for Domtar back-up	(-)	149,302
Less purchases above highest cost units	(-)	-
SUB-TOTAL	\$	204,080
(C) <u>Inter-System Sales</u>		
Including Interchange-Out	\$	1,667,637
(D) <u>Over (or Under) Recovery</u>	\$	(264,288)
TOTAL FUEL RECOVERY ( A + B – C – D )	= \$	17,102,913



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 3)** *Provide a schedule showing each component of sales as defined by 807*  
2 *KAR 5:056 in the selected base period (b). Explain why Big Rivers believes that the*  
3 *sales in the selected base period (b) are representative of the level of kWh sales that Big*  
4 *Rivers will derive from the level of fuel cost incurred during the selected base period*  
5 *(b).*

6  
7 **Response)** Each component of sales is provided in the attachment hereto. Sales to  
8 Member Systems in the selected base period (b) (October 2010) on an annualized basis  
9 total 9,805,052,220 kWh [9,805,052,220 kWh = 817,087,685 kWh (October 2010  
10 Member System Sales) x 12]. Because of naturally occurring load growth, this  
11 annualized sales total is lower than projected sales to the Member Systems for 2011 and  
12 2012 as shown in Big Rivers' response to Item 6 of the Staff's January 26 Data Request,  
13 but is still representative of the level of kWh sales that Big Rivers will derive from the  
14 level of fuel cost incurred in the selected base period (b) (October 2010).

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17 **Witnesses)** Mark A. Davis  
18 Michael J. Mattox

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**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = October 2010

(A) Generation (Net)	(+)	861,579,847
Purchases including Interchange-In	(+)	<u>207,370,000</u>
SUB-TOTAL		<u>1,069,949,847</u>
(B) Inter-System Sales including Interchange-Out	(+)	236,142,000
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	466,430
Back-Up and Energy Imbalance Sales Domtar	(+)	5,110,783
System Losses	(+)	<u>11,142,949</u>
SUB-TOTAL		<u>252,862,162</u>
TOTAL FUEL SALES ( A - B )	=	<u><u>817,087,685</u></u>



**BIG RIVERS ELECTRIC CORPORATION**  
**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT**  
**CLAUSE OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010**  
**CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 4)**      *Provide a schedule showing the calculation of Big Rivers' proposed*  
2 *increase or decrease in its base fuel cost per kWh to be incorporated into its base rate.*

3  
4 **Response)**    Please see the schedule below.

5  
6

A	B	A – B
Proposed Base FAC	Existing FAC Effective <sup>1</sup>	Proposed Increase
(\$ / kWh)	July 17, 2009 (\$ / kWh)	(\$ / kWh)
0.020932	0.010720	0.010212

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11 <sup>1.</sup> Big Rivers' current Fuel Adjustment Clause mechanism has been effective since  
12 the closing of the Unwind Transaction which the Commission approved in its  
13 Order dated March 6, 2009, in Case No. 2007-00455.

14  
15  
16 **Witnesses)**    Mark A. Davis



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 5)** *Provide Big Rivers' most recent projected fuel requirements for the*  
2 *years 2011 and 2012 in tons and dollars.*

3  
4 **Response)** Please see the schedule below.

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	<u>2011</u>	<u>2012</u>
8 Solid Fuel (tons)	5,581,485	5,166,945
9 Natural Gas (MCF)	467,400	450,951
10 Fuel Oil (Gallons)	330,794	268,785

11  
12

	<u>2011</u>	<u>2012</u>
13 Solid Fuel	\$ 235,699,666	\$ 260,086,082
14 Natural Gas	2,054,489	2,073,802
15 Fuel Oil	744,332	632,095
16 Total	<u>\$ 238,498,487</u>	<u>\$ 262,791,979</u>

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19 **Witness)** Mark W. McAdams  
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**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 6)** *Provide Big Rivers' most recent sales projections for the years 2011 and*  
2 *2012 in kWh and dollars.*

3  
4 **Response)** Sales projections for the years 2011 and 2012 are provided in the table  
5 below.

6  
7

	<b>Member</b>	<b>Member</b>		
	<b>Cooperative</b>	<b>Cooperative</b>	<b>Off-System</b>	<b>Off-System</b>
	<b>Energy</b>	<b>Sales</b>	<b>Sales</b>	<b>Sales</b>
<b>Year</b>	<b>(kWh)</b>	<b>(\$)</b>	<b>(kWh)</b>	<b>(\$)</b>
2011	10,729,981,000	486,347,489	1,397,889,773	58,500,720
2012	10,688,377,000	554,326,853	1,239,865,474	51,861,575

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18 **Witness)** Mark A. Davis  
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**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 7)** *Provide separately the amounts of power purchases used in the*  
2 *calculation of sales provided in response to Item 3.*

3  
4 **Response)** Please see the power purchases information below.

	<u>Purchaser</u>	<u>kWh</u> <u>Purchased</u>
5		
6		
7		
8	Southeastern Power Administration	7,275,000
9	Constellation Energy Commodities Group, Inc.	12,000
10	EDF Trading North America, LLC	275,000
11	The Energy Authority	50,000
12	Midwest ISO	17,022,000
13	PJM	18,901,000
14	Reliant	4,524,000
15	Midwest ISO Automatic Reserve Sharing	925,000
16		
17	Reliant (Domtar Cogen) Purchases – Excluded from FAC	(4,524,000)
18		
19	Intersystem Sales – Excluded from FAC	(2,096,000)
20		<u>(2,096,000)</u>
21		
22	Total	<u><u>42,364,000</u></u>
23		

24  
25 **Witness)** Mark A. Davis



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 8)** *Provide separately the amounts of intersystem power sales used in the*  
2 *calculation of sales provided in response to Item 3.*

3  
4 **Response)** Please see the intersystem power sales information below.

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<u>Purchaser</u>	<u>kWh Sold</u> <u>(Excluding</u> <u>Losses)</u>
9 Midwest ISO	99,000
10 Constellation Energy Commodities Group, Inc.	586,000
11 East Kentucky Power Cooperative	1,058,000
12 EDF Trading North America, LLC	189,000
13 Cargill Power Markets, LLC	30,000
14 PowerSouth Energy Cooperative	134,000
15 Total Intersystem Power Sales from Purchased Power	<u>2,096,000</u>

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<u>Generation</u>	<u>kWh Sold</u> <u>(Excluding</u> <u>Losses)</u>
21 Cargill Power Markets, LLC	2,558,000
22 Constellation Energy Commodities Group, Inc.	22,497,000
23 East Kentucky Power Cooperative	3,936,000
24 EDF Trading North America, LLC	16,228,000
25 Midwest ISO	14,972,000
26 Oglethorpe Power Corporation	224,000
27 PJM	7,946,000

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**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
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**February 14, 2011**

1	PowerSouth Energy Cooperative	450,000
2	Southern Company Services, Inc.	1,060,000
3	Tenaska	2,521,000
4	Tennessee Valley Authority	2,036,000
5	The Energy Authority	818,000
6	Total Intersystem Power Sales from Generation	<u>75,246,000</u>
7		
8	Total Intersystem Power Sales	<u><u>77,342,000</u></u>
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**Witness)** Mark A. Davis



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
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**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 9)** *Provide the planned maintenance schedule for each of Big Rivers'*  
2 *generating units for the years 2011 and 2012.*

3  
4 **Response)** Please see the attached redacted schedules for the planned maintenance  
5 schedule for Big Rivers' generating units for the years 2011 and 2012.

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8 **Witness)** Lawrence V. Baronowsky

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**BIG RIVERS ELECTRIC CORPORATION**  
**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT**  
**CLAUSE OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010**  
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**February 14, 2011**

Item 9 – Attachment

The entire attachment has been redacted and filed under a Petition for Confidential Treatment







**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
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**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 11)** *List all firm power commitments for Big Rivers for the years 2011 and*  
2 *2012 for (a) purchases and (b) sales. This list shall identify the other party (buyer or*  
3 *seller), the amount of commitment in MW, and the purpose of the commitment (e.g.,*  
4 *pea king, emergency).*

5

6 **Response)**

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- a. Purchases: Southeastern Power Administration ("SEPA"), up to 178 MW, energy for system. Presently a force majeure has been declared by SEPA for this contract due to dam safety issues at Wolf Creek and Center Hill dams on the Cumberland System. Currently SEPA is providing a run-of-the river-schedule that Big Rivers has the right to refuse.
- b. Sales: Big Rivers has no non-member firm power sales commitments for the years 2011 and 2012.

**Witness)** Michael J. Mattox



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 12)** *Provide a monthly billing summary for all sales to all electric utilities for*  
2 *the period July 17, 2009 through October 31, 2010.*

3  
4 **Response)** Please see the attached monthly billing summary for sales to all electric  
5 utilities for the period July 17, 2009, through October 31, 2010.

6  
7 Big Rivers filed the monthly billing summaries for the period from July 17, 2009 through  
8 October 31, 2009, with the Commission on February 17, 2010, in Case No. 2009-00510,  
9 in response to Item 6 of the Commission Staff's Data Request dated on January 27, 2010.  
10 Big Rivers filed the monthly billing summaries for the period from November 1, 2009,  
11 through April 31, 2010, with the Commission on September 2, 2010, in Case No. 2010-  
12 000269, in response to Item 6 of the Commission Staff's Data Request dated August 13,  
13 2010.

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16 **Witness)** Mark A. Davis

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**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
MAY 2010**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	FACTOR PENALTY (PFP) \$	DEMAND \$ ENERGY \$ AND PFP \$
1 MAY 2010							
2	118,878	49,465,221	876,130.86	1,009,090.51	1,885,221.37		1,885,221.37
3 JP RURALS	213,808	88,391,581	1,575,764.96	1,803,188.25	3,378,953.21		3,378,953.21
4 KENERGY RURALS	79,109	32,805,170	583,033.33	669,225.47	1,252,258.80		1,252,258.80
5 MEADE CO. RURALS							
6	411,795	170,661,972	3,034,929.15	3,481,504.23	6,516,433.38	0.00	6,516,433.38
7 TOTAL RURALS							
8	5,519	1,894,080	56,017.85	25,977.31	81,995.16	0.00	81,995.16
9 KI-ACCURIDE	182	82,600	1,847.30	1,132.86	2,980.16	1,065.75	4,045.91
10 KI-ALCOA	26,683	15,600,250	270,832.45	213,957.43	484,789.88	0.00	484,789.88
11 KI-ALERIS	6,389	2,384,020	64,848.35	32,696.83	97,545.18	0.00	97,545.18
12 KI-ALLIED	2,246	763,240	22,796.90	10,467.84	33,264.74	0.00	33,264.74
13 KI-ARMSTRONG - BIG RUN	2,161	668,450	21,934.15	9,167.79	31,101.94	4,953.47	36,055.41
14 KI-ARMSTRONG - DOCK	2,760	83,790	28,014.00	1,149.18	29,163.18	248.46	29,411.64
15 KI-ARMSTRONG - EQUALITY	3,308	1,551,350	33,576.20	21,276.77	54,852.97	0.00	54,852.97
16 KI-MIDWAY - MIDWAY	25,000	15,893,806	253,750.00	217,983.55	471,733.55	0.00	471,733.55
17 KI-DOMTAR PAPER CO.	809	571,540	8,211.35	7,838.67	16,050.02	91.35	16,141.37
18 KI-DOTIKI #3	435	162,760	4,415.25	2,232.25	6,647.50	0.00	6,647.50
19 KI-HOPKINS CO. COAL	2,001	534,760	20,310.15	7,334.23	27,644.38	0.00	27,644.38
20 KI-KB ALLOYS, INC.	36,634	25,598,640	371,835.10	351,085.35	722,920.45	0.00	722,920.45
21 KI-KIMBERLY-CLARK	110	38,260	1,116.50	524.74	1,641.24	0.00	1,641.24
22 KI-KMMC, LLC	4,870	2,086,970	49,430.50	28,622.79	78,053.29	1,126.65	79,179.94
23 KI-PATRIOT COAL, LP	3,150	175,160	31,972.50	2,402.32	34,374.82	0.00	34,374.82
24 KI-ROLL COATER	6,121	3,691,560	62,128.15	50,629.75	112,757.90	1,127.58	113,885.48
25 KI-SOUTHWIRE CO.	10,478	5,528,350	106,351.70	75,821.32	182,173.02	0.00	182,173.02
26 KI-TYSON FOODS	1,984	926,510	20,137.60	12,707.08	32,844.68	3,400.25	36,244.93
27 KI-VALLEY GRAIN							
28	140,840	78,236,096	1,429,526.00	1,073,008.06	2,502,534.06	12,013.51	2,514,547.57
29 SUBTOTAL INDUSTRIALS							
30	3,348	1,275,980	33,982.20	17,500.07	51,482.27	0.00	51,482.27
31 JPI-SHELL OIL							
32	144,188	79,512,076	1,463,508.20	1,090,508.13	2,554,016.33	12,013.51	2,566,029.84
33 TOTAL INDUSTRIALS							
34							
35							
36	555,983	250,174,048	4,498,437.35	4,572,012.36	9,070,449.71	12,013.51	9,082,463.22
37 GRAND TOTAL							
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
MAY 2010**

	GREEN POWER \$	ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$	ES MILLS/KWH	US \$
1 MAY 2010							
2							
3 JP RURALS	17.30	1,885,238.67	477,735.10	9.66	109,911.72	2.22	(164,818.12)
4 KENERGY RURALS	13.84	3,378,967.05	853,685.89	9.66	196,406.09	2.22	(294,520.75)
5 MEADE CO. RURALS	3.46	1,252,262.26	316,832.33	9.66	72,893.09	2.22	(109,306.83)
6							
7 TOTAL RURALS	34.60	6,516,467.98	1,648,253.32	9.66	379,210.90	2.22	(568,645.70)
8							
9 KI-ACCURIDE		81,995.16	18,293.02	9.66	4,208.65	2.22	(6,311.07)
10 KI-ALCOA		4,045.91	797.75	9.66	183.54	2.22	(275.22)
11 KI-ALERIS		484,789.88	150,667.21	9.66	34,663.76	2.22	(51,980.03)
12 KI-ALLIED		97,545.18	23,024.87	9.66	5,297.29	2.22	(7,943.55)
13 KI-ARMSTRONG - BIG RUN		33,264.74	7,371.37	9.66	1,695.92	2.22	(2,543.12)
14 KI-ARMSTRONG - DOCK		36,055.41	6,455.89	9.66	1,485.30	2.22	(2,227.28)
15 KI-ARMSTRONG - EQUALITY		29,411.64	809.24	9.66	186.18	2.22	(279.19)
16 KI-MIDWAY - MIDWAY		54,852.97	14,982.94	9.66	3,447.10	2.22	(5,169.10)
17 KI-DOMTAR PAPER CO.		471,733.55	153,502.38	9.66	35,316.04	2.22	(52,988.16)
18 KI-DOTIKI #3		16,141.37	5,519.93	9.66	1,269.96	2.22	(1,904.37)
19 KI-HOPKINS CO. COAL		6,647.50	1,571.94	9.66	361.65	2.22	(542.32)
20 KI-KB ALLOYS, INC.		27,644.38	5,164.71	9.66	1,188.24	2.22	(1,781.82)
21 KI-KIMBERLY-CLARK		722,920.45	247,231.67	9.66	56,880.18	2.22	(85,294.67)
22 KI-KMMC, LLC		1,641.24	369.52	9.66	85.01	2.22	(127.48)
23 KI-PATRIOT COAL, LP		79,179.94	20,155.96	9.66	4,637.25	2.22	(6,953.78)
24 KI-ROLL COATER		34,374.82	1,691.70	9.66	389.21	2.22	(583.63)
25 KI-SOUTHWIRE CO.		113,885.48	35,653.09	9.66	8,202.65	2.22	(12,300.28)
26 KI-TYSON FOODS		182,173.02	53,392.80	9.66	12,283.99	2.22	(18,420.46)
27 KI-VALLEY GRAIN		36,244.93	8,948.23	9.66	2,058.71	2.22	(3,087.13)
28							
29 SUBTOTAL INDUSTRIALS	0.00	2,514,547.57	755,604.22	9.66	173,840.63	2.22	(260,682.66)
30							
31 JPI-SHELL OIL		51,482.27	12,323.41	9.66	2,835.23	2.22	(4,251.57)
32							
33 TOTAL INDUSTRIALS	0.00	2,566,029.84	767,927.63	9.66	176,675.86	2.22	(264,934.23)
34							
35							
36							
37 GRAND TOTAL	34.60	9,082,497.82	2,416,180.95	9.66	555,886.76	2.22	(833,579.93)
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
MAY 2010**

	US MILLS/KWH	REVENUE \$	REVENUE MILLS/KWH	MRS \$	MRS MILLS/KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/KWH
1 MAY 2010							
2	(3.33)	2,308,067.37	46.66	(422,828.70)	(8.55)	1,885,238.67	38.11
3 JP RURALS	(3.33)	4,134,538.28	46.78	(755,571.23)	(8.55)	3,378,967.05	38.23
4 KENERGY RURALS	(3.33)	1,532,680.85	46.72	(280,418.59)	(8.55)	1,252,262.26	38.17
5 MEADE CO. RURALS							
6	(3.33)	7,975,286.50	46.73	(1,458,818.52)	(8.55)	6,516,467.98	38.18
7 TOTAL RURALS							
8	(3.33)	98,185.76	51.84	(16,190.60)	(8.55)	81,995.16	43.29
9 KI-ACCURIDE	(3.33)	4,751.98	57.53	(706.07)	(8.55)	4,045.91	48.98
10 KI-ALCOA	(3.33)	618,140.82	39.62	(133,350.94)	(8.55)	484,789.88	31.08
11 KI-ALERIS	(3.33)	117,923.79	49.46	(20,378.61)	(8.55)	97,545.18	40.92
12 KI-ALLIED	(3.33)	39,788.91	52.13	(6,524.17)	(8.55)	33,264.74	43.58
13 KI-ARMSTRONG - BIG RUN	(3.33)	41,769.32	62.49	(5,713.91)	(8.55)	36,055.41	53.94
14 KI-ARMSTRONG - DOCK	(3.33)	30,127.87	359.56	(716.23)	(8.55)	29,411.64	351.02
15 KI-ARMSTRONG - EQUALITY	(3.33)	68,113.91	43.91	(13,260.94)	(8.55)	54,852.97	35.36
16 KI-MIDWAY - MIDWAY	(3.33)	607,593.81	38.23	(135,860.26)	(8.55)	471,733.55	29.68
17 KI-DOMTAR PAPER CO.	(3.33)	21,026.89	36.79	(4,885.52)	(8.55)	16,141.37	28.24
18 KI-DOTIKI #3	(3.33)	8,038.77	49.39	(1,391.27)	(8.55)	6,647.50	40.84
19 KI-HOPKINS CO. COAL	(3.33)	32,215.51	60.24	(4,571.13)	(8.55)	27,644.38	51.69
20 KI-KB ALLOYS, INC.	(3.33)	941,737.63	36.79	(218,817.18)	(8.55)	722,920.45	28.24
21 KI-KIMBERLY-CLARK	(3.33)	1,968.29	51.45	(327.05)	(8.55)	1,641.24	42.90
22 KI-KMMC, LLC	(3.33)	97,019.37	46.49	(17,839.43)	(8.55)	79,179.94	37.94
23 KI-PATRIOT COAL, LP	(3.33)	35,872.10	204.80	(1,497.28)	(8.55)	34,374.82	196.25
24 KI-ROLL COATER	(3.33)	145,440.94	39.40	(31,555.46)	(8.55)	113,885.48	30.85
25 KI-SOUTHWIRE CO.	(3.33)	229,429.35	41.50	(47,256.33)	(8.55)	182,173.02	32.95
26 KI-TYSON FOODS	(3.33)	44,164.74	47.67	(7,919.81)	(8.55)	36,244.93	39.12
27 KI-VALLEY GRAIN							
28	(3.33)	3,183,309.76	40.69	(668,762.19)	(8.55)	2,514,547.57	32.14
29 SUBTOTAL INDUSTRIALS							
30	(3.33)	62,389.34	48.90	(10,907.07)	(8.55)	51,482.27	40.35
31 JPI-SHELL OIL							
32	(3.33)	3,245,699.10	40.82	(679,669.26)	(8.55)	2,566,029.84	32.27
33 TOTAL INDUSTRIALS							
34							
35							
36	(3.33)	11,220,985.60	44.85	(2,138,487.78)	(8.55)	9,082,497.82	36.30
37 GRAND TOTAL							
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
JUNE 2010**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	FACTOR PENALTY (PFP) \$	DEMAND \$ ENERGY \$ AND PFP \$
1 JUNE 2010							
2							
3 JP RURALS	152,463	67,937,977	1,123,652.31	1,385,934.73	2,509,587.04		2,509,587.04
4 KENERGY RURALS	259,600	119,415,050	1,913,252.00	2,436,067.02	4,349,319.02		4,349,319.02
5 MEADE CO. RURALS	96,075	43,966,515	708,072.75	896,916.91	1,604,989.66		1,604,989.66
6							
7 TOTAL RURALS	508,138	231,319,542	3,744,977.06	4,718,918.66	8,463,895.72	0.00	8,463,895.72
8							
9 KI-ACCURIDE	5,768	2,185,120	58,545.20	29,968.92	88,514.12	0.00	88,514.12
10 KI-ALCOA	76	44,920	771.40	616.08	1,387.48	923.65	2,311.13
11 KI-ALERIS	27,168	15,186,320	275,755.20	208,280.38	484,035.58	0.00	484,035.58
12 KI-ALLIED	6,743	2,757,550	68,441.45	37,819.80	106,261.25	0.00	106,261.25
13 KI-ARMSTRONG - BIG RUN	2,422	907,200	24,583.30	12,442.25	37,025.55	0.00	37,025.55
14 KI-ARMSTRONG - DOCK	2,035	703,110	20,655.25	9,643.15	30,298.40	2,575.32	32,873.72
15 KI-ARMSTRONG - EQUALITY	2,760	72,340	28,014.00	992.14	29,006.14	0.00	29,006.14
16 KI-MIDWAY - MIDWAY	3,462	1,606,350	35,139.30	22,031.09	57,170.39	0.00	57,170.39
17 KI-DOMTAR PAPER CO.	25,000	16,002,345	253,750.00	219,472.16	473,222.16	0.00	473,222.16
18 KI-DOTIKI #3	812	534,880	8,241.80	7,335.88	15,577.68	91.35	15,669.03
19 KI-HOPKINS CO. COAL	410	218,360	4,161.50	2,994.81	7,156.31	0.00	7,156.31
20 KI-KB ALLOYS, INC.	2,001	551,010	20,310.15	7,557.10	27,867.25	0.00	27,867.25
21 KI-KIMBERLY-CLARK	36,590	25,247,610	371,388.50	346,270.97	717,659.47	0.00	717,659.47
22 KI-KMMC, LLC	100	36,330	1,015.00	498.27	1,513.27	0.00	1,513.27
23 KI-PATRIOT COAL, LP	4,961	2,070,990	50,354.15	28,403.63	78,757.78	1,735.65	80,493.43
24 KI-ROLL COATER	3,150	221,580	31,972.50	3,038.97	35,011.47	0.00	35,011.47
25 KI-SOUTHWIRE CO.	6,070	3,490,550	61,610.50	47,872.89	109,483.39	1,094.84	110,578.23
26 KI-TYSON FOODS	10,750	5,919,370	109,112.50	81,184.16	190,296.66	0.00	190,296.66
27 KI-VALLEY GRAIN	2,083	862,460	21,142.45	11,828.64	32,971.09	2,344.65	35,315.74
28							
29 SUBTOTAL INDUSTRIALS	142,361	78,618,395	1,444,964.15	1,078,251.29	2,523,215.44	8,765.46	2,531,980.90
30							
31 JPI-SHELL OIL	3,359	1,239,870	34,093.85	17,004.82	51,098.67	0.00	51,098.67
32							
33 TOTAL INDUSTRIALS	145,720	79,858,265	1,479,058.00	1,095,256.11	2,574,314.11	8,765.46	2,583,079.57
34							
35							
36							
37 GRAND TOTAL	653,858	311,177,807	5,224,035.06	5,814,174.77	11,038,209.83	8,765.46	11,046,975.29
38							

**BIG RIVERS ELECTRIC CORPORATION**  
**MONTHLY BILLING SUMMARY**  
**ELECTRIC UTILITIES SALES**  
**JUNE 2010**

	GREEN POWER \$	ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$	ES MILLS/KWH	US \$
1 JUNE 2010							
2							
3 JP RURALS	17.30	2,509,604.34	628,426.29	9.25	151,977.25	2.24	(226,369.34)
4 KENERGY RURALS	13.84	4,349,332.86	1,104,589.21	9.25	267,131.47	2.24	(397,890.95)
5 MEADE CO. RURALS	3.46	1,604,993.12	406,690.26	9.25	98,353.09	2.24	(146,496.43)
6							
7 TOTAL RURALS	34.60	8,463,930.32	2,139,705.76	9.25	517,461.81	2.24	(770,756.72)
8							
9 KI-ACCURIDE		88,514.12	20,212.36	9.25	4,888.11	2.24	(7,280.82)
10 KI-ALCOA		2,311.13	415.51	9.25	100.49	2.24	(149.67)
11 KI-ALERIS		484,035.58	140,473.46	9.25	33,971.80	2.24	(50,600.82)
12 KI-ALLIED		106,261.25	25,507.34	9.25	6,168.64	2.24	(9,188.16)
13 KI-ARMSTRONG - BIG RUN		37,025.55	8,391.60	9.25	2,029.41	2.24	(3,022.79)
14 KI-ARMSTRONG - DOCK		32,873.72	6,503.77	9.25	1,572.86	2.24	(2,342.76)
15 KI-ARMSTRONG - EQUALITY		29,006.14	669.15	9.25	161.82	2.24	(241.04)
16 KI-MIDWAY - MIDWAY		57,170.39	14,858.74	9.25	3,593.40	2.24	(5,352.36)
17 KI-DOMTAR PAPER CO.		473,222.16	148,021.69	9.25	35,797.25	2.24	(53,319.81)
18 KI-DOTIKI #3		15,669.03	4,947.64	9.25	1,196.53	2.24	(1,782.22)
19 KI-HOPKINS CO. COAL		7,156.31	2,019.83	9.25	488.47	2.24	(727.58)
20 KI-KB ALLOYS, INC.		27,867.25	5,096.84	9.25	1,232.61	2.24	(1,835.97)
21 KI-KIMBERLY-CLARK		717,659.47	233,540.39	9.25	56,478.90	2.24	(84,125.04)
22 KI-KMMC, LLC		1,513.27	336.05	9.25	81.27	2.24	(121.05)
23 KI-PATRIOT COAL, LP		80,493.43	19,156.66	9.25	4,632.80	2.24	(6,900.54)
24 KI-ROLL COATER		35,011.47	2,049.62	9.25	495.67	2.24	(738.30)
25 KI-SOUTHWIRE CO.		110,578.23	32,287.59	9.25	7,808.36	2.24	(11,630.51)
26 KI-TYSON FOODS		190,296.66	54,754.17	9.25	13,241.63	2.24	(19,723.34)
27 KI-VALLEY GRAIN		35,315.74	7,977.76	9.25	1,929.32	2.24	(2,873.72)
28							
29 SUBTOTAL INDUSTRIALS	0.00	2,531,980.90	727,220.17	9.25	175,869.34	2.24	(261,956.50)
30							
31 JPI-SHELL OIL		51,098.67	11,468.80	9.25	2,773.59	2.24	(4,131.25)
32							
33 TOTAL INDUSTRIALS	0.00	2,583,079.57	738,688.97	9.25	178,642.93	2.24	(266,087.75)
34							
35							
36							
37 GRAND TOTAL	34.60	11,047,009.89	2,878,394.73	9.25	696,104.74	2.24	(1,036,844.47)
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
JUNE 2010**

	US MILLS/KWH	REVENUE \$	REVENUE MILLS/KWH	MIRSM \$	MIRSM MILLS/KWH	REVENUE \$ NET OF MIRSM \$	REV NET OF MIRSM MILLS/KWH
1 JUNE 2010							
2	(3.33)	3,063,638.54	45.09	(554,034.20)	(8.15)	2,509,604.34	36.94
3 JP RURALS	(3.33)	5,323,162.59	44.58	(973,829.73)	(8.15)	4,349,332.86	36.42
4 KENERGY RURALS	(3.33)	1,963,540.04	44.66	(358,546.92)	(8.15)	1,604,993.12	36.50
5 MEADE CO. RURALS							
6	(3.33)	10,350,341.17	44.74	(1,886,410.85)	(8.15)	8,463,930.32	36.59
7 TOTAL RURALS							
8	(3.33)	106,333.77	48.66	(17,819.65)	(8.15)	88,514.12	40.51
9 KI-ACCURIDE	(3.33)	2,677.46	59.61	(366.33)	(8.16)	2,311.13	51.45
10 KI-ALCOA	(3.33)	607,880.02	40.03	(123,844.44)	(8.16)	484,035.58	31.87
11 KI-ALERIS	(3.33)	128,749.07	46.69	(22,487.82)	(8.15)	106,261.25	38.53
12 KI-ALLIED	(3.33)	44,423.77	48.97	(7,398.22)	(8.16)	37,025.55	40.81
13 KI-ARMSTRONG - BIG RUN	(3.33)	38,607.59	54.91	(5,733.87)	(8.16)	32,873.72	46.75
14 KI-ARMSTRONG - DOCK	(3.33)	29,596.07	409.12	(589.93)	(8.15)	29,006.14	400.97
15 KI-ARMSTRONG - EQUALITY	(3.33)	70,270.17	43.75	(13,099.78)	(8.15)	57,170.39	35.59
16 KI-MIDWAY - MIDWAY	(3.33)	603,721.29	37.73	(130,499.13)	(8.16)	473,222.16	29.57
17 KI-DOMTAR PAPER CO.	(3.33)	20,030.98	37.45	(4,361.95)	(8.16)	15,669.03	29.29
18 KI-DOTIKI #3	(3.33)	8,937.03	40.93	(1,780.72)	(8.15)	7,156.31	32.77
19 KI-HOPKINS CO. COAL	(3.33)	32,360.73	58.73	(4,493.48)	(8.15)	27,867.25	50.57
20 KI-KB ALLOYS, INC.	(3.33)	923,553.72	36.58	(205,894.25)	(8.15)	717,659.47	28.42
21 KI-KIMBERLY-CLARK	(3.33)	1,809.54	49.81	(296.27)	(8.15)	1,513.27	41.65
22 KI-KMMC, LLC	(3.33)	97,382.35	47.02	(16,888.92)	(8.15)	80,493.43	38.87
23 KI-PATRIOT COAL, LP	(3.33)	36,818.46	166.16	(1,806.99)	(8.16)	35,011.47	158.01
24 KI-ROLL COATER	(3.33)	139,043.67	39.83	(28,465.44)	(8.16)	110,578.23	31.68
25 KI-SOUTHWIRE CO.	(3.33)	238,568.12	40.30	(48,272.46)	(8.15)	190,296.66	32.15
26 KI-TYSON FOODS	(3.33)	42,349.10	49.10	(7,033.36)	(8.15)	35,315.74	40.95
27 KI-VALLEY GRAIN							
28	(3.33)	3,173,113.91	40.36	(641,133.01)	(8.15)	2,531,980.90	32.21
29 SUBTOTAL INDUSTRIALS							
30	(3.33)	61,209.81	49.37	(10,111.14)	(8.16)	51,098.67	41.21
31 JPI-SHELL OIL							
32	(3.33)	3,234,323.72	40.50	(651,244.15)	(8.15)	2,583,079.57	32.35
33 TOTAL INDUSTRIALS							
34							
35							
36							
37 GRAND TOTAL	(3.33)	13,584,664.89	43.66	(2,537,655.00)	(8.15)	11,047,009.89	35.50
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
JULY 2010**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	FACTOR PENALTY (PFP) \$	DEMAND \$ ENERGY \$ AND PFP \$
1 JULY 2010							
2							
3 JP RURALS	151,591	74,389,907	1,117,225.67	1,517,554.10	2,634,779.77	0.00	2,634,779.77
4 KENERGY RURALS	261,499	128,859,539	1,927,247.63	2,628,734.60	4,555,982.23	0.00	4,555,982.23
5 MEADE CO. RURALS	99,015	47,969,570	729,740.55	978,579.23	1,708,319.78	0.00	1,708,319.78
6							
7 TOTAL RURALS	512,105	251,219,016	3,774,213.85	5,124,867.93	8,899,081.78	0.00	8,899,081.78
8							
9 KI-ACCURIDE	5,791	2,133,030	58,778.65	29,254.51	88,033.16	0.00	88,033.16
10 KI-ALCOA	76	44,360	771.40	608.40	1,379.80	923.65	2,303.45
11 KI-ALERIS	27,918	15,802,020	283,367.70	216,724.70	500,092.40	0.00	500,092.40
12 KI-ALLIED	6,862	2,276,670	69,649.30	31,224.53	100,873.83	0.00	100,873.83
13 KI-ARMSTRONG - BIG RUN	2,337	614,530	23,720.55	8,428.28	32,148.83	0.00	32,148.83
14 KI-ARMSTRONG - DOCK	2,218	659,805	22,512.70	9,049.23	31,561.93	9,632.35	41,194.28
15 KI-ARMSTRONG - EQUALITY	2,760	110,001	28,014.00	1,508.66	29,522.66	337.80	29,860.46
16 KI-MIDWAY - MIDWAY	3,408	1,546,530	34,591.20	21,210.66	55,801.86	0.00	55,801.86
17 KI-DOWTAR PAPER CO.	25,000	16,202,637	253,750.00	222,219.17	475,969.17	0.00	475,969.17
18 KI-DOTIKI #3	815	535,820	8,272.25	7,348.77	15,621.02	192.85	15,813.87
19 KI-HOPKINS CO. COAL	378	193,960	3,836.70	2,660.16	6,496.86	0.00	6,496.86
20 KI-KB ALLOYS, INC.	2,001	566,980	20,310.15	7,776.13	28,086.28	0.00	28,086.28
21 KI-KIMBERLY-CLARK	36,374	24,794,430	369,196.10	340,055.61	709,251.71	0.00	709,251.71
22 KI-KIMMC, LLC	100	37,270	1,015.00	511.16	1,526.16	0.00	1,526.16
23 KI-PATRIOT COAL, LP	4,615	1,664,850	46,842.25	22,833.42	69,675.67	6,526.45	76,202.12
24 KI-ROLL COATER	3,150	282,910	31,972.50	3,880.11	35,852.61	0.00	35,852.61
25 KI-SOUTHWIRE CO.	6,154	3,638,154	62,463.10	49,897.28	112,360.38	0.00	112,360.38
26 KI-TYSON FOODS	10,686	5,847,480	108,462.90	80,198.19	188,661.09	0.00	188,661.09
27 KI-VALLEY GRAIN	2,077	915,640	21,081.55	12,558.00	33,639.55	2,639.00	36,278.55
28							
29 SUBTOTAL INDUSTRIALS	142,720	77,867,077	1,448,608.00	1,067,946.97	2,516,554.97	20,252.10	2,536,807.07
30							
31 JPI-SHELL OIL	2,128	1,060,250	21,599.20	14,541.33	36,140.53	0.00	36,140.53
32							
33 TOTAL INDUSTRIALS	144,848	78,927,327	1,470,207.20	1,082,488.30	2,552,695.50	20,252.10	2,572,947.60
34							
35							
36							
37 GRAND TOTAL	656,953	330,146,343	5,244,421.05	6,207,356.23	11,451,777.28	20,252.10	11,472,029.38
38							

**BIG RIVERS ELECTRIC CORPORATION**  
**MONTHLY BILLING SUMMARY**  
**ELECTRIC UTILITIES SALES**  
**JULY 2010**

	GREEN POWER \$	ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$	ES MILLS/KWH	US \$
1 JULY 2010							
2							
3 JP RURALS	17.30	2,634,797.07	691,900.53	9.30	179,949.19	2.42	(247,867.17)
4 KENERGY RURALS	13.84	4,555,996.07	1,198,522.57	9.30	311,711.22	2.42	(429,359.98)
5 MEADE CO. RURALS	3.46	1,708,323.24	446,164.97	9.30	116,038.39	2.42	(159,834.61)
6							
7 TOTAL RURALS	34.60	8,899,116.38	2,336,588.07	9.30	607,698.80	2.42	(837,061.76)
8							
9 KI-ACCURIDE		88,033.16	19,839.31	9.30	5,159.80	2.42	(7,107.26)
10 KI-ALCOA		2,303.45	412.59	9.30	107.31	2.42	(147.81)
11 KI-ALERIS		500,092.40	146,974.59	9.30	38,225.09	2.42	(52,652.33)
12 KI-ALLIED		100,873.83	21,175.31	9.30	5,507.26	2.42	(7,585.86)
13 KI-ARMSTRONG - BIG RUN		32,148.83	5,715.74	9.30	1,486.55	2.42	(2,047.61)
14 KI-ARMSTRONG - DOCK		41,194.28	6,136.85	9.30	1,596.07	2.42	(2,198.47)
15 KI-ARMSTRONG - EQUALITY		29,860.46	1,023.12	9.30	266.09	2.42	(366.52)
16 KI-MIDWAY - MIDWAY		55,801.86	14,384.28	9.30	3,741.06	2.42	(5,153.04)
17 KI-DOMTAR PAPER CO.		475,969.17	150,700.73	9.30	39,194.18	2.42	(53,987.19)
18 KI-DOTIKI #3		15,813.87	4,983.66	9.30	1,296.15	2.42	(1,785.35)
19 KI-HOPKINS CO. COAL		6,496.86	1,804.02	9.30	469.19	2.42	(646.27)
20 KI-KB ALLOYS, INC.		28,086.28	5,273.48	9.30	1,371.52	2.42	(1,889.18)
21 KI-KIMBERLY-CLARK		709,251.71	230,612.99	9.30	59,977.73	2.42	(82,615.04)
22 KI-KMMC, LLC		1,526.16	346.65	9.30	90.16	2.42	(124.18)
23 KI-PATRIOT COAL, LP		76,202.12	15,484.77	9.30	4,027.27	2.42	(5,547.28)
24 KI-ROLL COATER		35,852.61	2,631.35	9.30	684.36	2.42	(942.66)
25 KI-SOUTHWIRE CO.		112,360.38	33,838.47	9.30	8,800.69	2.42	(12,122.33)
26 KI-TYSON FOODS		188,661.09	54,387.41	9.30	14,145.05	2.42	(19,483.80)
27 KI-VALLEY GRAIN		36,278.55	8,516.37	9.30	2,214.93	2.42	(3,050.91)
28							
29 SUBTOTAL INDUSTRIALS	0.00	2,536,807.07	724,241.69	9.30	188,360.46	2.42	(259,453.09)
30							
31 JPI-SHELL OIL		36,140.53	9,861.39	9.30	2,564.74	2.42	(3,532.75)
32							
33 TOTAL INDUSTRIALS	0.00	2,572,947.60	734,103.08	9.30	190,925.20	2.42	(262,985.84)
34							
35							
36							
37 GRAND TOTAL	34.60	11,472,063.98	3,070,691.15	9.30	798,624.00	2.42	(1,100,047.60)
38							

**BIG RIVERS ELECTRIC CORPORATION**  
**MONTHLY BILLING SUMMARY**  
**ELECTRIC UTILITIES SALES**  
**JULY 2010**

	US MILLS/KWH	REVENUE \$	REVENUE MILLS/KWH	MRSMS \$	MRSMS MILLS/KWH	REVENUE \$ NET OF MRSMS \$	REV NET OF MRSMS MILLS/KWH
1 JULY 2010							
2							
3 JP RURALS	(3.33)	3,258,779.62	43.81	(475,202.74)	(6.39)	2,783,576.88	37.42
4 KENERGY RURALS	(3.33)	5,636,869.88	43.74	(823,154.73)	(6.39)	4,813,715.15	37.36
5 MEADE CO. RURALS	(3.33)	2,110,691.99	44.00	(306,429.61)	(6.39)	1,804,262.38	37.61
6							
7 TOTAL RURALS	(3.33)	11,006,341.49	43.81	(1,604,787.08)	(6.39)	9,401,554.41	37.42
8							
9 KI-ACCURIDE	(3.33)	105,925.01	49.66	(13,625.79)	(6.39)	92,299.22	43.27
10 KI-ALCOA	(3.33)	2,675.54	60.31	(283.37)	(6.39)	2,392.17	53.93
11 KI-ALERIS	(3.33)	632,639.75	40.04	(100,943.31)	(6.39)	531,696.44	33.65
12 KI-ALLIED	(3.33)	119,970.54	52.70	(14,543.37)	(6.39)	105,427.17	46.31
13 KI-ARMSTRONG - BIG RUN	(3.33)	37,303.51	60.70	(3,925.62)	(6.39)	33,377.89	54.31
14 KI-ARMSTRONG - DOCK	(3.33)	46,728.73	70.82	(4,214.84)	(6.39)	42,513.89	64.43
15 KI-ARMSTRONG - EQUALITY	(3.33)	30,783.15	279.84	(702.69)	(6.39)	30,080.46	273.46
16 KI-MIDWAY - MIDWAY	(3.33)	68,774.16	44.47	(9,879.24)	(6.39)	58,894.92	38.08
17 KI-DOMTAR PAPER CO.	(3.33)	611,376.89	37.76	(103,502.45)	(6.39)	508,374.44	31.38
18 KI-DOTIKI #3	(3.33)	20,308.33	37.90	(3,422.82)	(6.39)	16,885.51	31.51
19 KI-HOPKINS CO. COAL	(3.33)	8,123.80	41.88	(1,239.02)	(6.39)	6,884.78	35.50
20 KI-KB ALLOYS, INC.	(3.33)	32,842.10	57.92	(3,621.86)	(6.39)	29,220.24	51.54
21 KI-KIMBERLY-CLARK	(3.33)	917,227.39	36.99	(158,386.82)	(6.39)	758,840.57	30.61
22 KI-KIMMC, LLC	(3.33)	1,838.79	49.34	(238.09)	(6.39)	1,600.70	42.95
23 KI-PATRIOT COAL, LP	(3.33)	90,166.88	54.16	(10,635.06)	(6.39)	79,531.82	47.77
24 KI-ROLL COATER	(3.33)	38,225.66	135.12	(1,807.23)	(6.39)	36,418.43	128.73
25 KI-SOUTHWIRE CO.	(3.33)	142,877.21	39.27	(23,240.52)	(6.39)	119,636.69	32.88
26 KI-TYSON FOODS	(3.33)	237,709.75	40.65	(37,353.70)	(6.39)	200,356.05	34.26
27 KI-VALLEY GRAIN	(3.33)	43,958.94	48.01	(5,849.11)	(6.39)	38,109.83	41.62
28							
29 SUBTOTAL INDUSTRIALS	(3.33)	3,189,956.13	40.97	(497,414.91)	(6.39)	2,692,541.22	34.58
30							
31 JPI-SHELL OIL	(3.33)	45,033.91	42.47	(6,772.88)	(6.39)	38,261.03	36.09
32							
33 TOTAL INDUSTRIALS	(3.33)	3,234,990.04	40.99	(504,187.79)	(6.39)	2,730,802.25	34.60
34							
35							
36							
37 GRAND TOTAL	(3.33)	14,241,331.53	43.14	(2,108,974.87)	(6.39)	12,132,356.66	36.75
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
AUGUST 2010**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	FACTOR PENALTY (PFP) \$	DEMAND \$ ENERGY \$ AND PFP \$
1 AUGUST 2010							
2							
3 JP RURALS	163,836	74,455,490	1,207,471.32	1,518,892.00	2,726,363.32	0.00	2,726,363.32
4 KENERGY RURALS	277,862	129,305,728	2,047,842.94	2,637,836.85	4,685,679.79	0.00	4,685,679.79
5 MEADE CO. RURALS	104,658	47,509,670	771,329.46	969,197.27	1,740,526.73	0.00	1,740,526.73
6							
7 TOTAL RURALS	546,356	251,270,888	4,026,643.72	5,125,926.12	9,152,569.84	0.00	9,152,569.84
8							
9 KI-ACCURIDE	5,708	2,264,190	57,936.20	31,053.37	88,989.57	0.00	88,989.57
10 KI-ALCOA	68	43,760	690.20	600.17	1,290.37	903.35	2,193.72
11 KI-ALERIS	27,163	15,736,970	275,704.45	215,832.54	491,536.99	0.00	491,536.99
12 KI-ALLIED	6,732	2,675,350	68,329.80	36,692.43	105,022.23	0.00	105,022.23
13 KI-ARMSTRONG - BIG RUN	2,375	893,380	24,106.25	12,252.71	36,358.96	0.00	36,358.96
14 KI-ARMSTRONG - DOCK	2,104	693,590	21,355.60	9,512.59	30,868.19	838.25	31,706.44
15 KI-ARMSTRONG - EQUALITY	2,760	97,740	28,014.00	1,340.50	29,354.50	222.84	29,577.34
16 KI-MIDWAY - MIDWAY	3,421	1,716,310	34,723.15	23,539.19	58,262.34	791.70	59,054.04
17 KI-DOMTAR PAPER CO.	25,000	15,966,404	253,750.00	218,979.23	472,729.23	0.00	472,729.23
18 KI-DOTIKI #3	821	567,380	8,333.15	7,781.62	16,114.77	192.85	16,307.62
19 KI-HOPKINS CO. COAL	290	123,490	2,943.50	1,693.67	4,637.17	0.00	4,637.17
20 KI-KB ALLOYS, INC.	2,001	625,320	20,310.15	8,576.26	28,886.41	0.00	28,886.41
21 KI-KIMBERLY-CLARK	35,942	25,477,400	364,811.30	349,422.54	714,233.84	0.00	714,233.84
22 KI-KMMMC, LLC	100	37,420	1,015.00	513.22	1,528.22	0.00	1,528.22
23 KI-PATRIOT COAL, LP	4,719	2,076,220	47,897.85	28,475.36	76,373.21	6,668.55	83,041.76
24 KI-ROLL COATER	3,150	804,420	31,972.50	11,032.62	43,005.12	3,958.50	46,963.62
25 KI-SOUTHWIRE CO.	6,434	3,791,200	65,305.10	51,996.31	117,301.41	0.00	117,301.41
26 KI-TYSON FOODS	10,562	5,979,700	107,204.30	82,011.59	189,215.89	0.00	189,215.89
27 KI-VALLEY GRAIN	2,136	897,580	21,680.40	12,310.31	33,990.71	2,405.55	36,396.26
28							
29 SUBTOTAL INDUSTRIALS	141,486	80,467,824	1,436,082.90	1,103,616.23	2,539,699.13	15,981.59	2,555,680.72
30							
31 JPI-SHELL OIL	5,476	1,537,510	55,581.40	21,086.95	76,668.35	0.00	76,668.35
32							
33 TOTAL INDUSTRIALS	146,962	82,005,334	1,491,664.30	1,124,703.18	2,616,367.48	15,981.59	2,632,349.07
34							
35							
36							
37 GRAND TOTAL	693,318	333,276,222	5,518,308.02	6,250,629.30	11,768,937.32	15,981.59	11,784,918.91
38							

**BIG RIVERS ELECTRIC CORPORATION**  
**MONTHLY BILLING SUMMARY**  
**ELECTRIC UTILITIES SALES**  
**AUGUST 2010**

	GREEN POWER \$	ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$	ES MILLS/KWH	US \$
1 AUGUST 2010							
2							
3 JP RURALS	17.30	2,726,380.62	749,468.96	10.07	171,247.63	2.30	(248,085.69)
4 KENERGY RURALS	13.84	4,685,693.63	1,301,591.46	10.07	297,403.17	2.30	(430,846.69)
5 MEADE CO. RURALS	3.46	1,740,530.19	478,232.34	10.07	109,272.24	2.30	(158,302.22)
6							
7 TOTAL RURALS	34.60	9,152,604.44	2,529,292.76	10.07	577,923.04	2.30	(837,234.60)
8							
9 KI-ACCURIDE		88,989.57	22,791.34	10.07	5,207.64	2.30	(7,544.28)
10 KI-ALCOA		2,193.72	440.49	10.07	100.65	2.30	(145.81)
11 KI-ALERIS		491,536.99	158,408.34	10.07	36,195.03	2.30	(52,435.58)
12 KI-ALLIED		105,022.23	26,930.07	10.07	6,153.31	2.30	(8,914.27)
13 KI-ARMSTRONG - BIG RUN		36,358.96	8,992.76	10.07	2,054.77	2.30	(2,976.74)
14 KI-ARMSTRONG - DOCK		31,706.44	6,981.68	10.07	1,595.26	2.30	(2,311.04)
15 KI-ARMSTRONG - EQUALITY		29,577.34	983.85	10.07	224.80	2.30	(325.67)
16 KI-MIDWAY - MIDWAY		59,054.04	17,276.38	10.07	3,947.51	2.30	(5,718.74)
17 KI-DOMTAR PAPER CO.		472,729.23	160,717.82	10.07	36,722.73	2.30	(53,200.06)
18 KI-DOTIKI #3		16,307.62	5,711.25	10.07	1,304.97	2.30	(1,890.51)
19 KI-HOPKINS CO. COAL		4,637.17	1,243.05	10.07	284.03	2.30	(411.47)
20 KI-KB ALLOYS, INC.		28,886.41	6,294.47	10.07	1,438.24	2.30	(2,083.57)
21 KI-KIMBERLY-CLARK		714,233.84	256,455.51	10.07	58,598.02	2.30	(84,890.70)
22 KI-KMMC, LLC		1,528.22	376.67	10.07	86.07	2.30	(124.68)
23 KI-PATRIOT COAL, LP		83,041.76	20,899.23	10.07	4,775.31	2.30	(6,917.97)
24 KI-ROLL COATER		46,963.62	8,097.29	10.07	1,850.17	2.30	(2,680.33)
25 KI-SOUTHWIRE CO.		117,301.41	38,162.22	10.07	8,719.76	2.30	(12,632.28)
26 KI-TYSON FOODS		189,215.89	60,191.66	10.07	13,753.31	2.30	(19,924.36)
27 KI-VALLEY GRAIN		36,396.26	9,035.04	10.07	2,064.43	2.30	(2,990.74)
28							
29 SUBTOTAL INDUSTRIALS	0.00	2,555,680.72	809,989.12	10.07	185,076.01	2.30	(268,118.80)
30							
31 JPI-SHELL OIL		76,668.35	15,476.58	10.07	3,536.27	2.30	(5,122.98)
32							
33 TOTAL INDUSTRIALS	0.00	2,632,349.07	825,465.70	10.07	188,612.28	2.30	(273,241.78)
34							
35							
36							
37 GRAND TOTAL	34.60	11,784,953.51	3,354,758.46	10.07	766,535.32	2.30	(1,110,476.38)
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
AUGUST 2010**

	US MILLS/KWH	REVENUE \$	REVENUE MILLS/KWH	MIRSM \$	MIRSM MILLS/KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/KWH
1 AUGUST 2010							
2							
3 JP RURALS	(3.33)	3,399,011.52	45.65	(523,719.92)	(7.03)	2,875,291.60	38.62
4 KENERGY RURALS	(3.33)	5,853,841.57	45.27	(909,536.48)	(7.03)	4,944,305.09	38.24
5 MIEADE CO. RURALS	(3.33)	2,169,732.55	45.67	(334,183.02)	(7.03)	1,835,549.53	38.64
6							
7 TOTAL RURALS	(3.33)	11,422,585.64	45.46	(1,767,439.42)	(7.03)	9,655,146.22	38.43
8							
9 KI-ACCURIDE	(3.33)	109,444.27	48.34	(15,926.32)	(7.03)	93,517.95	41.30
10 KI-ALCOA	(3.33)	2,589.05	59.16	(307.81)	(7.03)	2,281.24	52.13
11 KI-ALERIS	(3.33)	633,704.78	40.27	(110,693.85)	(7.03)	523,010.93	33.23
12 KI-ALLIED	(3.33)	129,191.34	48.29	(18,818.41)	(7.03)	110,372.93	41.26
13 KI-ARMSTRONG - BIG RUN	(3.33)	44,429.75	49.73	(6,284.03)	(7.03)	38,145.72	42.70
14 KI-ARMSTRONG - DOCK	(3.33)	37,972.34	54.75	(4,878.72)	(7.03)	33,093.62	47.71
15 KI-ARMSTRONG - EQUALITY	(3.33)	30,460.32	311.65	(687.50)	(7.03)	29,772.82	304.61
16 KI-MIDWAY - MIDWAY	(3.33)	74,559.19	43.44	(12,072.53)	(7.03)	62,486.66	36.41
17 KI-DOMTAR PAPER CO.	(3.33)	616,969.72	38.64	(112,307.68)	(7.03)	504,662.04	31.61
18 KI-DOTIKI #3	(3.33)	21,433.33	37.78	(3,990.95)	(7.03)	17,442.38	30.74
19 KI-HOPKINS CO. COAL	(3.33)	5,752.78	46.58	(868.63)	(7.03)	4,884.15	39.55
20 KI-KB ALLOYS, INC.	(3.33)	34,535.55	55.23	(4,398.50)	(7.03)	30,137.05	48.19
21 KI-KIMBERLY-CLARK	(3.33)	944,396.67	37.07	(179,208.03)	(7.03)	765,188.64	30.03
22 KI-KMMC, LLC	(3.33)	1,866.28	49.87	(263.22)	(7.03)	1,603.06	42.84
23 KI-PATRIOT COAL, LP	(3.33)	101,798.33	49.03	(14,604.13)	(7.03)	87,194.20	42.00
24 KI-ROLL COATER	(3.33)	54,230.75	67.42	(5,658.29)	(7.03)	48,572.46	60.38
25 KI-SOUTHWIRE CO.	(3.33)	151,551.11	39.97	(26,667.30)	(7.03)	124,883.81	32.94
26 KI-TYSON FOODS	(3.33)	243,236.50	40.68	(42,061.21)	(7.03)	201,175.29	33.64
27 KI-VALLEY GRAIN	(3.33)	44,504.99	49.58	(6,313.57)	(7.03)	38,191.42	42.55
28							
29 SUBTOTAL INDUSTRIALS	(3.33)	3,282,627.05	40.79	(566,010.68)	(7.03)	2,716,616.37	33.76
30							
31 JPI-SHELL OIL	(3.33)	90,558.22	58.90	(10,814.85)	(7.03)	79,743.37	51.87
32							
33 TOTAL INDUSTRIALS	(3.33)	3,373,185.27	41.13	(576,825.53)	(7.03)	2,796,359.74	34.10
34							
35							
36							
37 GRAND TOTAL	(3.33)	14,795,770.91	44.39	(2,344,264.95)	(7.03)	12,451,505.96	37.36
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
SEPTEMBER 2010**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	FACTOR PENALTY (PPP) \$	DEMAND \$ ENERGY \$ AND PPP \$
1 SEPTEMBER 2010							
2							
3 JP RURALS	132,017	53,358,978	972,965.29	1,088,523.15	2,061,488.44	0.00	2,061,488.44
4 KENERGY RURALS	233,099	95,902,980	1,717,939.63	1,956,420.79	3,674,360.42	0.00	3,674,360.42
5 MEADE CO. RURALS	87,062	35,325,370	641,646.94	720,637.55	1,362,284.49	0.00	1,362,284.49
6							
7 TOTAL RURALS	452,178	184,587,328	3,332,551.86	3,765,581.49	7,098,133.35	0.00	7,098,133.35
8							
9 KI-ACCURIDE	5,579	1,885,470	56,626.85	25,859.22	82,486.07	0.00	82,486.07
10 KI-ALCOA	68	41,020	690.20	562.59	1,252.79	822.15	2,074.94
11 KI-ALERIS	27,572	15,138,480	279,855.80	207,624.25	487,480.05	0.00	487,480.05
12 KI-ALLIED	6,961	2,659,430	70,654.15	36,474.08	107,128.23	0.00	107,128.23
13 KI-ARMSTRONG - BIG RUN	2,274	764,280	23,081.10	10,482.10	33,563.20	0.00	33,563.20
14 KI-ARMSTRONG - DOCK	3,749	862,665	38,052.35	11,831.45	49,883.80	3,014.08	52,897.88
15 KI-ARMSTRONG - EQUALITY	2,760	430,190	28,014.00	5,900.06	33,914.06	161.04	34,075.10
16 KI-MIDWAY - MIDWAY	3,418	1,601,260	34,692.70	21,961.28	56,653.98	385.70	57,039.68
17 KI-DOMTAR PAPER CO.	25,000	14,917,108	253,750.00	204,588.14	458,338.14	0.00	458,338.14
18 KI-DOTIKI #3	796	540,060	8,079.40	7,406.92	15,486.32	91.35	15,577.67
19 KI-HOPKINS CO. COAL	284	166,430	2,882.60	2,282.59	5,165.19	0.00	5,165.19
20 KI-KB ALLOYS, INC.	2,001	649,770	20,310.15	8,911.60	29,221.75	0.00	29,221.75
21 KI-KIMBERLY-CLARK	36,504	24,835,120	370,515.60	340,613.67	711,129.27	0.00	711,129.27
22 KI-KMMC, LLC	100	36,760	1,015.00	504.16	1,519.16	0.00	1,519.16
23 KI-PATRIOT COAL, LP	4,908	1,941,310	49,816.20	26,625.07	76,441.27	2,933.35	79,374.62
24 KI-ROLL COATER	3,150	826,680	31,972.50	11,337.92	43,310.42	2,892.75	46,203.17
25 KI-SOUTHWIRE CO.	6,910	3,862,500	70,136.50	52,974.19	123,110.69	0.00	123,110.69
26 KI-TYSON FOODS	10,083	5,574,820	102,342.45	76,458.66	178,801.11	0.00	178,801.11
27 KI-VALLEY GRAIN	2,326	991,550	23,608.90	13,599.11	37,208.01	2,953.65	40,161.66
28							
29 SUBTOTAL INDUSTRIALS	144,443	77,724,903	1,466,096.45	1,065,997.06	2,532,093.51	13,254.07	2,545,347.58
30							
31 JPI-SHELL OIL	3,596	1,457,140	36,499.40	19,984.68	56,484.08	0.00	56,484.08
32							
33 TOTAL INDUSTRIALS	148,039	79,182,043	1,502,595.85	1,085,981.74	2,588,577.59	13,254.07	2,601,831.66
34							
35							
36							
37 GRAND TOTAL	600,217	263,769,371	4,835,147.71	4,851,563.23	9,686,710.94	13,254.07	9,699,965.01
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
SEPTEMBER 2010**

	GREEN POWER \$	ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$	ES MILLS/KWH	US \$
1 SEPTEMBER 2010							
2							
3 JP RURALS	17.30	2,061,505.74	558,721.86	10.47	119,364.03	2.24	(177,792.11)
4 KENERGY RURALS	13.84	3,674,374.26	1,004,200.10	10.47	214,534.97	2.24	(319,548.73)
5 WEADE CO. RURALS	3.46	1,362,287.95	369,891.95	10.47	79,022.85	2.24	(117,704.13)
6							
7 TOTAL RURALS	34.60	7,098,167.95	1,932,813.91	10.47	412,921.85	2.24	(615,044.97)
8							
9 KI-ACCURIDE		82,486.07	19,742.76	10.47	4,217.80	2.24	(6,282.39)
10 KI-ALCOA		2,074.94	429.52	10.47	91.76	2.24	(136.68)
11 KI-ALERIS		487,480.05	158,515.02	10.47	33,864.78	2.24	(50,441.42)
12 KI-ALLIED		107,128.23	27,846.89	10.47	5,949.14	2.24	(8,861.22)
13 KI-ARMSTRONG - BIG RUN		33,563.20	8,002.78	10.47	1,709.69	2.24	(2,546.58)
14 KI-ARMSTRONG - DOCK		52,897.88	9,032.97	10.47	1,929.78	2.24	(2,874.40)
15 KI-ARMSTRONG - EQUALITY		34,075.10	4,504.52	10.47	962.34	2.24	(1,433.39)
16 KI-MIDWAY - MIDWAY		57,039.68	16,766.79	10.47	3,582.02	2.24	(5,335.40)
17 KI-DOMTAR PAPER CO.		458,338.14	156,197.04	10.47	33,369.57	2.24	(49,703.80)
18 KI-DOTIKI #3		15,577.67	5,654.97	10.47	1,208.11	2.24	(1,799.48)
19 KI-HOPKINS CO. COAL		5,165.19	1,742.69	10.47	372.30	2.24	(554.54)
20 KI-KB ALLOYS, INC.		29,221.75	6,803.74	10.47	1,453.54	2.24	(2,165.03)
21 KI-KIMBERLY-CLARK		711,129.27	260,048.54	10.47	55,556.16	2.24	(82,750.62)
22 KI-KIMMC, LLC		1,519.16	384.91	10.47	82.23	2.24	(122.48)
23 KI-PATRIOT COAL, LP		79,374.62	20,327.46	10.47	4,342.71	2.24	(6,468.44)
24 KI-ROLL COATER		46,203.17	8,656.17	10.47	1,849.28	2.24	(2,754.50)
25 KI-SOUTHWIRE CO.		123,110.69	40,444.24	10.47	8,640.41	2.24	(12,869.85)
26 KI-TYSON FOODS		178,801.11	58,373.94	10.47	12,470.87	2.24	(18,575.30)
27 KI-VALLEY GRAIN		40,161.66	10,382.52	10.47	2,218.10	2.24	(3,303.84)
28							
29 SUBTOTAL INDUSTRIALS	0.00	2,545,347.58	813,857.47	10.47	173,870.59	2.24	(258,979.36)
30							
31 JPI-SHELL OIL		56,484.08	15,257.71	10.47	3,259.62	2.24	(4,855.19)
32							
33 TOTAL INDUSTRIALS	0.00	2,601,831.66	829,115.18	10.47	177,130.21	2.24	(263,834.55)
34							
35							
36							
37 GRAND TOTAL	34.60	9,699,999.61	2,761,929.09	10.47	590,052.06	2.24	(878,879.52)
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
SEPTEMBER 2010**

	US MILLS/KWH	REVENUE \$	REVENUE MILLS/KWH	MRSMS \$	MRSMS MILLS/KWH	REVENUE \$ NET OF MRSMS \$	REV NET OF MRSMS MILLS/KWH
1	(3.33)	2,561,799.52	48.01	(393,575.82)	(7.38)	2,168,223.70	40.63
2	(3.33)	4,573,560.60	47.69	(707,380.38)	(7.38)	3,866,180.22	40.31
3	(3.33)	1,693,498.62	47.94	(260,559.93)	(7.38)	1,432,938.69	40.56
4	(3.33)	8,828,858.74	47.83	(1,361,516.13)	(7.38)	7,467,342.61	40.45
5	(3.33)	100,164.24	53.12	(13,907.23)	(7.38)	86,257.01	45.75
6	(3.33)	2,459.54	59.96	(302.56)	(7.38)	2,156.98	52.58
7	(3.33)	629,418.43	41.58	(111,661.42)	(7.38)	517,757.01	34.20
8	(3.33)	132,063.04	49.66	(19,615.95)	(7.38)	112,447.09	42.28
9	(3.33)	40,729.09	53.29	(5,637.33)	(7.38)	35,091.76	45.91
10	(3.33)	60,986.23	70.70	(6,363.02)	(7.38)	54,623.21	63.32
11	(3.33)	38,108.57	88.59	(3,173.09)	(7.38)	34,935.48	81.21
12	(3.33)	72,053.09	45.00	(11,810.89)	(7.38)	60,242.20	37.62
13	(3.33)	598,200.95	40.10	(110,028.59)	(7.38)	488,172.36	32.73
14	(3.33)	20,641.27	38.22	(3,983.48)	(7.38)	16,657.79	30.84
15	(3.33)	6,725.64	40.41	(1,227.59)	(7.38)	5,498.05	33.04
16	(3.33)	35,314.00	54.35	(4,792.71)	(7.38)	30,521.29	46.97
17	(3.33)	943,983.35	38.01	(183,183.84)	(7.38)	760,799.51	30.63
18	(3.33)	1,863.82	50.70	(271.14)	(7.38)	1,592.68	43.33
19	(3.33)	97,576.35	50.26	(14,319.11)	(7.38)	83,257.24	42.89
20	(3.33)	53,954.12	65.27	(6,097.59)	(7.38)	47,856.53	57.89
21	(3.33)	159,325.49	41.25	(28,489.80)	(7.38)	130,835.69	33.87
22	(3.33)	231,070.62	41.45	(41,119.87)	(7.38)	189,950.75	34.07
23	(3.33)	49,458.44	49.88	(7,313.68)	(7.38)	42,144.76	42.50
24	(3.33)	3,274,096.28	42.12	(573,298.89)	(7.38)	2,700,797.39	34.75
25	(3.33)	70,146.22	48.14	(10,747.86)	(7.38)	59,398.36	40.76
26	(3.33)	3,344,242.50	42.23	(584,046.75)	(7.38)	2,760,195.75	34.86
27	(3.33)	12,173,101.24	46.15	(1,945,562.88)	(7.38)	10,227,538.36	38.77
28	(3.33)						
29	(3.33)						
30	(3.33)						
31	(3.33)						
32	(3.33)						
33	(3.33)						
34	(3.33)						
35	(3.33)						
36	(3.33)						
37	(3.33)						
38	(3.33)						

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
OCTOBER 2010**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	FACTOR PENALTY (PPF) \$	DEMAND \$ ENERGY \$ AND PPF \$
1 OCTOBER 2010							
2							
3 JP RURALS	86,667	42,184,190	638,735.79	860,557.48	1,499,293.27	0.00	1,499,293.27
4 KENERGY RURALS	152,470	75,827,000	1,123,703.90	1,546,870.80	2,670,574.70		2,670,574.70
5 MEADE CO. RURALS	66,189	29,374,880	487,812.93	599,247.55	1,087,060.48		1,087,060.48
6							
7 TOTAL RURALS	305,326	147,386,070	2,250,252.62	3,006,675.83	5,256,928.45	0.00	5,256,928.45
8							
9 KI-ACCURIDE	5,368	1,967,500	54,485.20	26,984.26	81,469.46	0.00	81,469.46
10 KI-ALCOA	219	61,660	2,222.85	845.67	3,068.52	852.60	3,921.12
11 KI-ALERIS	27,009	14,185,300	274,141.35	194,551.39	468,692.74	0.00	468,692.74
12 KI-ALLIED	6,912	2,448,440	70,156.80	33,580.35	103,737.15	0.00	103,737.15
13 KI-ARMSTRONG - BIG RUN	2,322	772,190	23,568.30	10,590.59	34,158.89	0.00	34,158.89
14 KI-ARMSTRONG - DOCK	4,032	1,096,409	40,924.80	15,037.25	55,962.05	0.00	55,962.05
15 KI-ARMSTRONG - EQUALITY	2,885	837,780	29,282.75	11,490.15	40,772.90	324.80	41,097.70
16 KI-MIDWAY - MIDWAY	3,537	1,550,380	35,900.55	21,263.46	57,164.01	0.00	57,164.01
17 KI-DOMTAR PAPER CO.	25,000	12,091,734	253,750.00	165,838.13	419,588.13	0.00	419,588.13
18 KI-DOTIKI #3	785	541,790	7,967.75	7,430.65	15,398.40	91.35	15,489.75
19 KI-HOPKINS CO. COAL	290	168,960	2,943.50	2,317.29	5,260.79	0.00	5,260.79
20 KI-KB ALLOYS, INC.	2,001	437,820	20,310.15	6,004.70	26,314.85	0.00	26,314.85
21 KI-KIMBERLY-CLARK	35,986	24,851,230	365,257.90	340,834.62	706,092.52	0.00	706,092.52
22 KI-KMMC, LLC	104	42,480	1,055.60	582.61	1,638.21	0.00	1,638.21
23 KI-PATRIOT COAL, LP	4,930	2,104,330	50,039.50	28,860.89	78,900.39	4,222.40	83,122.79
24 KI-ROLL COATER	3,523	768,920	35,758.45	10,545.74	46,304.19	0.00	46,304.19
25 KI-SOUTHWIRE CO.	7,114	4,111,900	72,207.10	56,394.71	128,601.81	0.00	128,601.81
26 KI-TYSON FOODS	9,571	5,175,060	97,145.65	70,975.95	168,121.60	0.00	168,121.60
27 KI-VALLEY GRAIN	2,185	910,930	22,177.75	12,493.40	34,671.15	2,466.45	37,137.60
28							
29 SUBTOTAL INDUSTRIALS	143,773	74,124,813	1,459,295.95	1,016,621.81	2,475,917.76	7,957.60	2,483,875.36
30							
31 JPI-SHELL OIL	2,084	944,570	21,152.60	12,954.78	34,107.38	0.00	34,107.38
32							
33 TOTAL INDUSTRIALS	145,857	75,069,383	1,480,448.55	1,029,576.59	2,510,025.14	7,957.60	2,517,982.74
34							
35							
36							
37 GRAND TOTAL	451,183	222,455,453	3,730,701.17	4,036,252.42	7,766,953.59	7,957.60	7,774,911.19
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
ELECTRIC UTILITIES SALES  
OCTOBER 2010**

	GREEN POWER \$	ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$	ES MILLS/KWH	US \$
1 OCTOBER 2010							
2							
3 JP RURALS	17.30	1,499,310.57	511,947.33	12.14	99,596.87	2.36	(140,557.72)
4 KENERGY RURALS	0.00	2,670,574.70	920,236.47	12.14	179,027.55	2.36	(252,655.56)
5 MEADE CO. RURALS	3.46	1,087,063.94	356,493.54	12.14	69,354.09	2.36	(97,877.10)
6							
7 TOTAL RURALS	20.76	5,256,949.21	1,788,677.34	12.14	347,978.51	2.36	(491,090.38)
8							
9 KI-ACCURIDE		81,469.46	23,877.58	12.14	4,645.27	2.36	(6,555.71)
10 KI-ALCOA		3,921.12	748.31	12.14	145.58	2.36	(205.45)
11 KI-ALERIS		468,692.74	172,152.80	12.14	33,491.49	2.36	(47,265.42)
12 KI-ALLIED		103,737.15	29,714.27	12.14	5,780.77	2.36	(8,158.20)
13 KI-ARMSTRONG - BIG RUN		34,158.89	9,371.30	12.14	1,823.14	2.36	(2,572.94)
14 KI-ARMSTRONG - DOCK		55,962.05	13,306.02	12.14	2,588.62	2.36	(3,653.23)
15 KI-ARMSTRONG - EQUALITY		41,097.70	10,167.30	12.14	1,978.00	2.36	(2,791.48)
16 KI-MIDWAY - MIDWAY		57,164.01	18,815.41	12.14	3,660.45	2.36	(5,165.87)
17 KI-DOMTAR PAPER CO.		419,588.13	146,745.28	12.14	28,548.58	2.36	(40,289.66)
18 KI-DOTIKI #3		15,489.75	6,575.16	12.14	1,279.17	2.36	(1,805.24)
19 KI-HOPKINS CO. COAL		5,260.79	2,050.50	12.14	398.91	2.36	(562.97)
20 KI-KB ALLOYS, INC.		26,314.85	5,313.38	12.14	1,033.69	2.36	(1,458.82)
21 KI-KIMBERLY-CLARK		706,092.52	301,594.53	12.14	58,673.75	2.36	(82,804.30)
22 KI-KMMC, LLC		1,638.21	515.54	12.14	100.30	2.36	(141.54)
23 KI-PATRIOT COAL, LP		83,122.79	25,538.15	12.14	4,968.32	2.36	(7,011.63)
24 KI-ROLL COATER		46,304.19	9,331.61	12.14	1,815.42	2.36	(2,562.04)
25 KI-SOUTHWIRE CO.		128,601.81	49,902.02	12.14	9,708.20	2.36	(13,700.85)
26 KI-TYSON FOODS		168,121.60	62,804.53	12.14	12,218.32	2.36	(17,243.30)
27 KI-VALLEY GRAIN		37,137.60	11,055.05	12.14	2,150.71	2.36	(3,035.22)
28							
29 SUBTOTAL INDUSTRIALS	0.00	2,483,875.36	899,578.74	12.14	175,008.69	2.36	(246,983.87)
30							
31 JPI-SHELL OIL		34,107.38	11,463.30	12.14	2,230.13	2.36	(3,147.31)
32							
33 TOTAL INDUSTRIALS	0.00	2,517,982.74	911,042.04	12.14	177,238.82	2.36	(250,131.18)
34							
35							
36							
37 GRAND TOTAL	20.76	7,774,931.95	2,699,719.38	12.14	525,217.33	2.36	(741,221.56)
38							

**BIG RIVERS ELECTRIC CORPORATION**  
**MONTHLY BILLING SUMMARY**  
**ELECTRIC UTILITIES SALES**  
**OCTOBER 2010**

	US MILLS/KWH	REVENUE \$	REVENUE MILLS/KWH	MRSMS \$	MRSMS MILLS/KWH	REVENUE \$ NET OF MRSMS \$	REV NET OF MRSMS MILLS/KWH
1 OCTOBER 2010							
2	(3.33)	1,970,297.05	46.71	(386,618.10)	(9.16)	1,583,678.95	37.54
3 JP RURALS	(3.33)	3,517,183.16	46.38	(694,954.46)	(9.17)	2,822,228.70	37.22
4 KENERGY RURALS	(3.33)	1,415,034.47	48.17	(269,220.77)	(9.16)	1,145,813.70	39.01
5 MEADE CO. RURALS							
6	(3.33)	6,902,514.68	46.83	(1,350,793.33)	(9.16)	5,551,721.35	37.67
7 TOTAL RURALS							
8	(3.33)	103,436.60	52.57	(18,032.14)	(9.17)	85,404.46	43.41
9 KI-ACCURIDE	(3.33)	4,609.56	74.76	(565.12)	(9.17)	4,044.44	65.59
10 KI-ALCOA	(3.33)	627,071.61	44.21	(130,008.27)	(9.16)	497,063.34	35.04
11 KI-ALERIS	(3.33)	131,073.99	53.53	(22,439.96)	(9.17)	108,634.03	44.37
12 KI-ALLIED	(3.33)	42,780.39	55.40	(7,077.12)	(9.16)	35,703.27	46.24
13 KI-ARMSTRONG - BIG RUN	(3.33)	68,203.46	62.21	(10,048.59)	(9.17)	58,154.87	53.04
14 KI-ARMSTRONG - DOCK	(3.33)	50,451.52	60.22	(7,678.26)	(9.17)	42,773.26	51.06
15 KI-ARMSTRONG - EQUALITY	(3.33)	74,474.00	48.04	(14,209.23)	(9.16)	60,264.77	38.87
16 KI-MIDWAY - MIDWAY	(3.33)	554,592.33	45.87	(110,820.73)	(9.16)	443,771.60	36.70
17 KI-DOMTAR PAPER CO.	(3.33)	21,538.84	39.75	(4,965.51)	(9.17)	16,573.33	30.59
18 KI-DOTIKI #3	(3.33)	7,147.23	42.30	(1,548.52)	(9.17)	5,598.71	33.14
19 KI-HOPKINS CO. COAL	(3.33)	31,203.10	71.27	(4,012.61)	(9.16)	27,190.49	62.10
20 KI-KB ALLOYS, INC.	(3.33)	983,556.50	39.58	(227,761.52)	(9.16)	755,794.98	30.41
21 KI-KIMBERLY-CLARK	(3.33)	2,112.51	49.73	(389.34)	(9.17)	1,723.17	40.56
22 KI-KIMMC, LLC	(3.33)	106,617.63	50.67	(19,286.18)	(9.16)	87,331.45	41.50
23 KI-PATRIOT COAL, LP	(3.33)	54,889.18	71.38	(7,047.15)	(9.16)	47,842.03	62.22
24 KI-ROLL COATER	(3.33)	174,511.18	42.44	(37,685.57)	(9.17)	136,825.61	33.28
25 KI-SOUTHWIRE CO.	(3.33)	225,901.15	43.65	(47,429.43)	(9.17)	178,471.72	34.49
26 KI-TYSON FOODS	(3.33)	47,308.14	51.93	(8,348.68)	(9.17)	38,959.46	42.77
27 KI-VALLEY GRAIN							
28	(3.33)	3,311,478.92	44.67	(679,353.93)	(9.17)	2,632,124.99	35.51
29 SUBTOTAL INDUSTRIALS							
30	(3.33)	44,653.50	47.27	(8,656.98)	(9.16)	35,996.52	38.11
31 JPI-SHELL OIL							
32	(3.33)	3,356,132.42	44.71	(688,010.91)	(9.17)	2,668,121.51	35.54
33 TOTAL INDUSTRIALS							
34							
35							
36	(3.33)	10,258,647.10	46.12	(2,038,804.24)	(9.17)	8,219,842.86	36.95
37 GRAND TOTAL							
38							

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
SMELTERS  
MAY 2010**

LINE	DESCRIPTION	REV \$		FAC		ES		NONFAC PPA		TOTAL FACES, NONFAC PPA, SURCHARGE		
		PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	MILLS/KWH	AMT	MILLS	AMT	MILLS	AMT	MILLS	AMT
3	BASE MONTHLY ENERGY -											
4	CENTURY ALUMINUM (Special Contract)	331,276,534.00	(51,613,000.00)	279,664,364.00	45.34	3,199,468.77	8.66	736,095.46	2.22	(216,323.58)	(0.65)	549,783.01
5	ALCAN RIO TINTO (Special Contract)	268,579,997.00	(10,320,000.00)	259,245,546.00	43.08	2,593,945.61	9.66	596,784.75	2.22	(175,382.74)	(0.65)	419,752.39
6		<u>599,856,531.00</u>	<u>(61,933,000.00)</u>	<u>538,909,910.00</u>		<u>5,793,414.38</u>		<u>1,332,881.21</u>		<u>(391,706.32)</u>		<u>969,535.40</u>
7	BASE FIXED ENERGY											
8	CENTURY ALUMINUM (Special Contract)	351,435,840.00										9,893,973.20
9	ALCAN RIO TINTO (Special Contract)	268,316,160.00										7,553,904.85
10		<u>619,752,000.00</u>										
11												
12												
13												
14												
15	BASE VARIABLE ENERGY											
16	CENTURY ALUMINUM (Special Contract)	(20,159,306.00)										(251,386.56)
17	ALCAN RIO TINTO (Special Contract)	283,837.00										3,290.05
18		<u>(19,895,469.00)</u>										
19												
20												
21												
22												
23	CENTURY ALUMINUM (Special Contract)	672,404.46	(1,904,125.75)	32.21	0.00							(1,231,689.08)
24	ALCAN RIO TINTO (Special Contract)	513,371.04	(380,213.05)	43,554.52	0.00							176,712.51
25		<u>1,185,775.50</u>	<u>(2,284,338.80)</u>	<u>43,586.73</u>	<u>0.00</u>							
26	CENTURY ALUMINUM (Special Contract)											12,679,922.23
27	ALCAN RIO TINTO (Special Contract)											11,169,007.42
28	TOTAL CENTURY/ALCAN RIO TINTO											<u>23,848,929.65</u>
29												
30	BALANCE AS SHOWN ON OPERATING REPORT											<u>23,848,929.65</u>

**BIG RIVERS ELECTRIC CORPORATION**  
**MONTHLY BILLING SUMMARY**  
**SMELTERS**  
**JUNE 2010**

LINE	DESCRIPTION	JUNE 2010		REV \$		FAC		ES		NONFAC PPA		SURCHARGE		TOTAL FAC,ES, NONFAC PPA, SURCHARGE
		PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	MILLS/KWH	AMT	MILLS	AMT	MILLS	AMT	MILLS	AMT	MILLS	
3	BASE MONTHLY ENERGY -													
4	CENTURY ALUMINUM (Special Contract)	324,397,171.00	(54,934,000.00)	269,464,432.00	43.34	3,000,673.93	9.25	725,676.47	2.24	(188,150.36)	(0.59)	536,179.04		4,074,378.98
5	ALCAN RIO TINTO (Special Contract)	259,859,800.00	(12,357,000.00)	247,739,515.00	42.56	2,403,703.15	9.25	581,306.37	2.24	(150,718.69)	(0.58)	409,355.96		3,243,656.80
6	ALCAN RIO TINTO (Special Contract)	584,256,971.00	(67,291,000.00)	517,203,947.00		5,404,376.98		1,306,982.84		(338,869.04)		945,545.00		7,316,035.78
7	BASE FIXED ENERGY													
8	CENTURY ALUMINUM (Special Contract)	340,099,200.00												9,574,812.78
9	ALCAN RIO TINTO (Special Contract)	259,660,800.00												7,310,230.50
10	ALCAN RIO TINTO (Special Contract)	599,760,000.00												
11														
12														
13														
14														
15	BASE VARIABLE ENERGY													
16	CENTURY ALUMINUM (Special Contract)	(15,702,029.00)												(195,804.31)
17	ALCAN RIO TINTO (Special Contract)	199,000.00												2,481.53
18	ALCAN RIO TINTO (Special Contract)	(15,503,029.00)												
19														
20														
21														
22														
23	CENTURY ALUMINUM (Special Contract)	672,404.46	(2,446,207.73)	38.95	0.00									(1,773,764.32)
24	ALCAN RIO TINTO (Special Contract)	513,371.04	(556,049.35)	9,940.38	0.00									(12,737.93)
25	ALCAN RIO TINTO (Special Contract)	1,185,775.50	(2,982,257.09)	9,979.33	0.00									
26	CENTURY ALUMINUM (Special Contract)													11,679,623.13
27	ALCAN RIO TINTO (Special Contract)													10,543,630.90
28	TOTAL CENTURY/ALCAN RIO TINTO													22,223,254.03
29														
30	BALANCE AS SHOWN ON OPERATING REPORT													22,223,254.03



**BIG RIVERS ELECTRIC CORPORATION**  
**MONTHLY BILLING SUMMARY**  
**SMELTERS**  
**AUGUST 2010**

1	AUGUST 2010	PLUS BACK UP ENERGY		TOTAL KWH	REV \$		FAC		ES		NONFAC PPA		SURCHARGE	TOTAL FAC ES, NONFAC PPA, SURCHARGE
		ENERGY	LESS SALES		MILLS/KWH	AMT	MILLS	AMT	MILLS	AMT	MILLS			
2														
3	BASE MONTHLY ENERGY -	5,783.00	(63,898,000.00)	281,418,781.00	43.95		3,475,900.51	10.07	794,215.30	2.30	(295,586.21)	(0.86)	549,783.01	4,524,312.61
4	CENTURY ALUMINUM (Special Contract)	268,160,608.00	(17,289,000.00)	251,572,485.00	43.09		2,689,304.68	10.07	616,769.40	2.30	(229,545.48)	(0.86)	419,752.39	3,506,280.99
5	ALCAN RIO TINTO (Special Contract)	613,471,606.00	(81,187,000.00)	532,951,266.00			6,175,205.19		1,410,984.70		(625,131.69)		969,535.40	8,030,593.60
6														9,893,973.20
7														7,553,904.85
8	BASE FIXED ENERGY	351,435,840.00												
9	CENTURY ALUMINUM (Special Contract)	268,316,160.00												
10	ALCAN RIO TINTO (Special Contract)	619,752,000.00												
11														
12														
13														
14														
15	BASE VARIABLE ENERGY	(6,124,842.00)												
16	CENTURY ALUMINUM (Special Contract)	(155,552.00)												
17	ALCAN RIO TINTO (Special Contract)	(6,280,394.00)												
18														
19														
20														
21														
22														
23	CENTURY ALUMINUM (Special Contract)	672,404.46	(2,647,103.54)	257.07	0.00									(1,974,442.01)
24	ALCAN RIO TINTO (Special Contract)	513,371.04	(750,894.84)	28,349.74	0.00									(219,174.06)
25	ALCAN RIO TINTO (Special Contract)	1,185,775.50	(3,407,998.38)	29,606.81	0.00									12,367,467.03
26	CENTURY ALUMINUM (Special Contract)													10,839,072.05
27	ALCAN RIO TINTO (Special Contract)													23,206,539.08
28	TOTAL CENTURY/ALCAN RIO TINTO													23,206,539.08
29														
30	BALANCE AS SHOWN ON OPERATING REPORT													

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
SMELTERS  
SEPTEMBER 2010**

SEPTEMBER 2010	PLUS BACK UP ENERGY		LESS SALES		TOTAL KWH		REV \$		FAC		ES		NONFAC PPA		SURCHARGE		TOTAL FAC ES, NONFAC PPA, SURCHARGE
	ENERGY				TOTAL KWH	MILLS/KWH	AMT	MILLS	AMT	MILLS	AMT	MILLS	AMT	MILLS	AMT	MILLS	
1																	
2	317,766,683.00	25,911.00	(44,602,000.00)	273,190,594.00	46.05	3,327,334.94	10.47	710,844.07	2.24	(387,626.12)	(1.25)	536,179.04	4,176,831.93				
3	257,328,832.00	761,024.00	(10,701,000.00)	247,388,856.00	43.68	2,694,490.20	10.47	575,644.60	2.24	(321,918.37)	(1.25)	409,365.96	3,357,582.39				
4	575,095,515.00	786,835.00	(55,303,000.00)	520,579,450.00		6,021,825.14		1,286,488.67		(719,444.49)		945,645.00	7,534,414.32				
5	340,099,200.00																9,574,812.78
6	259,660,800.00																7,310,230.50
7	599,750,000.00																
8																	
9																	
10																	
11																	
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32																	
33																	

TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	OTHER ADJ
672,404.46	(1,565,449.20)	605.01	0.00
513,371.04	(374,707.69)	29,327.34	0.00
1,185,775.50	(1,940,156.89)	30,133.35	0.00

30 FOOTNOTE: CENTURY - ADJ SMELTER NON-FAC PPA FOR CHANGE IN BILLING METHODOLOGY AND DOMTAR CO-GEN FIX FOR PERIOD JULY 2009-SEPT 2010  
31 FOOTNOTE: ALCAN - ADJ SMELTER NON-FAC PPA FOR CHANGE IN BILLING METHODOLOGY AND DOMTAR CO-GEN FIX FOR PERIOD JULY 2009-SEPT 2010

33 BALANCE AS SHOWN ON OPERATING REPORT

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
SMELTERS  
OCTOBER 2010**

OCTOBER 2010		REV \$		FAC		ES		AMT		MILLS		SURCHARGE		TOTAL FAC,ES, NON-FAC PPA, SURCHARGE	
		PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	MILLS/KWH	AMT	MILLS	AMT	MILLS	AMT	MILLS	AMT	MILLS	AMT	MILLS
1															
2															
3	BASE MONTHLY ENERGY -														
4	CENTURY ALUMINUM (Special Contract)	327,178,868.00	(45,482,000.00)	281,710,624.00	48.85	3,970,643.96	12.14	772,469.54	2.36	(375,928.63)	(1.16)	549,783.01	(1.16)	4,916,967.88	
5	ALCAN RIO TINTO (Special Contract)	287,453,264.00	(19,105,000.00)	258,791,038.00	45.51	3,245,812.81	12.14	631,457.16	2.36	(307,303.80)	(1.16)	419,752.39		3,989,718.56	
6		594,632,232.00	(54,597,000.00)	540,501,662.00		7,216,456.77		1,403,926.70		(683,232.43)		969,635.40		8,906,686.44	
7															
8	BASE FIXED ENERGY	351,435,840.00												9,893,973.20	
9	CENTURY ALUMINUM (Special Contract)	268,316,160.00												7,553,904.85	
10	ALCAN RIO TINTO (Special Contract)	619,752,000.00													
11															
12															
13															
14															
15	BASE VARIABLE ENERGY														
16	CENTURY ALUMINUM (Special Contract)	(24,256,872.00)												(302,483.19)	
17	ALCAN RIO TINTO (Special Contract)	(852,896.00)												(10,760.31)	
18		(25,119,768.00)													
19															
20															
21															
22															
23	CENTURY ALUMINUM (Special Contract)	672,404.46	(1,418,633.93)		0.00									(746,601.88)	
24	ALCAN RIO TINTO (Special Contract)	515,371.04	(282,941.14)		0.00									245,736.10	
25		1,185,775.50	(1,701,575.07)		0.00									13,762,866.01	
26	CENTURY ALUMINUM (Special Contract)													11,778,599.20	
27	ALCAN RIO TINTO (Special Contract)													25,541,455.21	
28	TOTAL CENTURY/ALCAN RIO TINTO													(23,186.32)	
29														(15,901.21)	
30	FOOTNOTE: CENTURY - ADJ SMELTER NON-FAC PPA FOR CHANGE IN BILLING METHODOLOGY AND DOMTAR CO-GEN FIX FOR PERIOD OCT 2010														
31	FOOTNOTE: ALCAN - ADJ SMELTER NON-FAC PPA FOR CHANGE IN BILLING METHODOLOGY AND DOMTAR CO-GEN FIX FOR PERIOD OCT 2010														
32															
33	BALANCE AS SHOWN ON OPERATING REPORT													25,502,367.68	

**BIG RIVERS ELECTRIC CORPORATION**  
**MONTHLY BILLING SUMMARY**  
**SALES TO ELECTRIC UTILITIES**  
**MAY 2010**

	KWH	AMOUNT	REVENUE \$ MILLS/KWH
1 MAY 2010			
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 EAST KENTUCKY POWER COOPERATIVE	6,608,000	242,632.00	36.72
6 KENERGY-DOMTAR COGEN	2,183,164	88,972.45	40.75
7 KENERGY-DOMTAR COGEN ARS		14,728.00	
8 OGLETHORPE	310,000	13,360.00	43.10
9			
10 TOTAL SPECIAL SALES TO RUS BORROWERS	9,101,164	359,692.45	39.52
11			
12			
13			
14 TO OTHER THAN RUS BORROWERS:			
15			
16 CARGILL	17,517,000	526,917.00	30.08
17 CONSTELLATION	31,834,000	972,577.25	30.55
18 EDF	7,705,000	297,634.25	38.63
19 HMPL	0	0.00	0.00
20 MISO	75,785,000	3,094,647.19	40.83
21 MISO ARS	0	0.00	0.00
22 PJM	5,586,000	183,981.67	32.94
23 SOUTHERN CO.	140,000	5,400.00	38.57
24 TENASKA POWER SERVICES	1,561,000	50,903.00	32.61
25 TVA	24,547,150	837,523.80	34.12
26 THE ENERGY AUTHORITY	297,000	12,279.00	41.34
27			
28 TOTAL TO OTHER THAN RUS BORROWERS	164,972,150	5,981,863.16	36.26
29			
30			
31 TOTAL SALES FOR RESALE NOVEMBER 2009	174,073,314	6,341,555.61	36.43

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
SALES TO ELECTRIC UTILITIES  
JUNE 2010**

	KWH	AMOUNT	REVENUE \$ MILLS/KWH
1 JUNE 2010			
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 EAST KENTUCKY POWER COOPERATIVE	6,626,000	291,639.00	44.01
6 KENERGY-DOMTAR COGEN	135,532	(8,639.19)	(63.74)
7 KENERGY-DOMTAR COGEN ARS		0.00	
8 OGLETHORPE	1,200,000	43,700.00	36.42
9			
10 TOTAL SPECIAL SALES TO RUS BORROWERS	7,961,532	326,699.81	41.03
11			
12			
13			
14 TO OTHER THAN RUS BORROWERS:			
15			
16 CARGILL	4,834,000	138,203.25	28.59
17 CONSTELLATION	23,020,000	752,222.00	32.68
18 EDF	26,535,000	1,097,603.00	41.36
19 HMP	0	0.00	0.00
20 MISO	91,309,000	4,227,196.05	46.30
21 MISO ARS	0	0.00	0.00
22 PJM	9,690,000	381,636.89	39.38
23 SOUTHERN CO.	0	0.00	0.00
24 TENASKA POWER SERVICES	95,000	3,135.00	33.00
25 TVA	2,078,740	80,649.48	38.80
26 THE ENERGY AUTHORITY	1,201,000	42,017.00	34.99
27			
28 TOTAL TO OTHER THAN RUS BORROWERS	158,762,740	6,722,662.67	42.34
29			
30			
31 TOTAL SALES FOR RESALE NOVEMBER 2009	166,724,272	7,049,362.48	42.28

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
SALES TO ELECTRIC UTILITIES  
JULY 2010**

	KWH	AMOUNT	REVENUE \$ MILLS/KWH
1 JULY 2010			
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 EAST KENTUCKY POWER COOPERATIVE	0	0.00	0.00
6 KENERGY-DOMTAR COGEN	64,582	(10,339.84)	(160.10)
7 KENERGY-DOMTAR COGEN ARS		0.00	
8 OGLETHORPE	975,000	40,085.00	41.11
9 POWERSOUTH ENERGY CORP	500,000	22,500.00	45.00
10			
11 TOTAL SPECIAL SALES TO RUS BORROWERS	1,539,582	52,245.16	33.93
12			
13			
14			
15 TO OTHER THAN RUS BORROWERS:			
16			
17 AMEREN UE	1,200,000	56,400.00	47.00
18 CARGILL	8,417,000	443,226.00	52.66
19 CONSTELLATION	33,827,000	1,175,232.00	34.74
20 EDF	16,252,000	711,477.00	43.78
21 HAMPL	0	0.00	0.00
22 MISO	92,611,000	4,563,058.57	49.27
23 MISO ARS	0	0.00	0.00
24 PJM	12,346,000	530,120.03	42.94
25 SOUTHERN CO.	160,000	6,000.00	37.50
26 TENASKA POWER SERVICES	0	0.00	0.00
27 TVA	5,354,000	220,059.00	41.10
28 THE ENERGY AUTHORITY	3,824,000	151,109.00	39.52
29			
30 TOTAL TO OTHER THAN RUS BORROWERS	173,991,000	7,856,681.60	45.16
31			
32			
33 TOTAL SALES FOR RESALE NOVEMBER 2009	175,530,582	7,908,926.76	45.06

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
SALES TO ELECTRIC UTILITIES  
AUGUST 2010**

	KWH	AMOUNT	REVENUE \$ MILLS/KWH
1 AUGUST 2010			
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 EAST KENTUCKY POWER COOPERATIVE	0	0.00	0.00
6 KENERGY-DOMTAR COGEN	1,847,177	79,866.39	43.24
7 KENERGY-DOMTAR COGEN ARS		11,660.30	
8 OGLETHORPE	995,000	34,650.00	34.82
9 POWERSOUTH ENERGY CORP	3,200,000	112,800.00	35.25
10			
11 TOTAL SPECIAL SALES TO RUS BORROWERS	6,042,177	238,976.69	39.55
12			
13			
14			
15 TO OTHER THAN RUS BORROWERS:			
16			
17 AMEREN UE	1,648,000	68,496.00	41.56
18 CARGILL	42,451,000	1,723,862.00	40.61
19 CONSTELLATION	31,092,000	1,142,520.00	36.75
20 EDF	15,614,000	685,008.00	43.87
21 HAMPL	4,297,000	285,080.39	66.34
22 MISO	66,096,000	3,034,203.34	45.91
23 MISO ARS	0	0.00	0.00
24 PJM	14,905,000	685,517.11	45.99
25 SOUTHERN CO.	5,503,000	207,443.00	37.70
26 TENASKA POWER SERVICES	711,000	26,618.00	37.44
27 TVA	9,142,000	309,443.00	33.85
28 THE ENERGY AUTHORITY	5,195,000	223,141.00	42.95
29			
30 TOTAL TO OTHER THAN RUS BORROWERS	196,654,000	8,391,331.84	42.67
31			
32			
33 TOTAL SALES FOR RESALE NOVEMBER 2009	202,696,177	8,630,308.53	42.58

Case No. 2010-00495

Witness: Mark A. Davis

Item 12 - Attachment

Page 28 of 30

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
SALES TO ELECTRIC UTILITIES  
SEPTEMBER 2010**

	KWH	AMOUNT	REVENUE \$ MILLS/KWH
1			
2			
3	SPECIAL SALES TO RUS BORROWERS:		
4			
5	9,325,000	377,946.50	40.53
6	23,993	(12,632.18)	(526.49)
7		0.00	
8	275,000	10,850.00	39.45
9	3,600,000	96,000.00	26.67
10			
11	13,223,993	472,164.32	35.71
12			
13			
14			
15	TO OTHER THAN RUS BORROWERS:		
16			
17	2,229,000	73,966.00	33.18
18	21,957,000	681,073.00	31.02
19	5,092,000	169,085.00	33.21
20	21,952,000	730,039.00	33.26
21	0	0.00	0.00
22	69,481,000	2,551,641.95	36.72
23	0	0.00	0.00
24	6,304,000	194,683.83	30.88
25	2,755,000	108,655.00	39.44
26	663,000	23,383.00	35.27
27	2,050,000	77,315.00	37.71
28	2,212,000	84,055.00	38.00
29			
30	134,695,000	4,693,896.78	34.85
31			
32			
33	147,918,993	5,166,061.10	34.92

**BIG RIVERS ELECTRIC CORPORATION  
MONTHLY BILLING SUMMARY  
SALES TO ELECTRIC UTILITIES  
OCTOBER 2010**

	KWH	AMOUNT	REVENUE \$ MILLS/KWH
1 OCTOBER 2010			
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 EAST KENTUCKY POWER COOPERATIVE	3,936,000	118,736.00	30.17
6 KENERGY-DOMTAR COGEN	5,110,783	190,324.19	37.24
7 KENERGY-DOMITAR COGEN ARS		18,890.88	
8 OGLETHORPE	224,000	8,190.00	36.56
9 POWERSOUTH ENERGY CORP	450,000	14,850.00	33.00
10			
11 TOTAL SPECIAL SALES TO RUS BORROWERS	9,720,783	350,991.07	36.11
12			
13			
14			
15 TO OTHER THAN RUS BORROWERS:			
16			
17 AMEREN UE	0	0.00	0.00
18 CARGILL	2,558,000	77,109.00	30.14
19 CONSTELLATION	22,497,000	658,432.00	29.27
20 EDF	16,228,000	490,092.00	30.20
21 HMPPL	0	0.00	0.00
22 MISO	70,680,000	2,114,726.55	29.92
23 MISO ARS	0	0.00	0.00
24 PJM	8,506,000	260,066.05	30.57
25 SOUTHERN CO.	1,060,000	41,835.00	39.47
26 TENASKA POWER SERVICES	2,521,000	87,233.00	34.60
27 TVA	2,461,000	73,880.00	30.02
28 THE ENERGY AUTHORITY	818,000	27,906.00	34.11
29			
30 TOTAL TO OTHER THAN RUS BORROWERS	127,329,000	3,831,279.60	30.09
31			
32			
33 TOTAL SALES FOR RESALE NOVEMBER 2009	137,049,783	4,182,270.67	30.52



**BIG RIVERS ELECTRIC CORPORATION**  
**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT**  
**CLAUSE OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010**  
**CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 13)**

- 2           a.     *Provide a schedule of the calculation of the 12-month average*  
3                    *line loss by month for July 2009 through October 2010.*  
4           b.     *Describe the actions that Big Rivers has taken to reduce line loss*  
5                    *during this period.*

6  
7 **Response)**

- 8           a.     Please see the table attached to this response. Big Rivers notes that  
9                    it did not have a 12-month history until July 2010. From July  
10                    2009, through June 2010, the '12-month' average calculation  
11                    includes all months from July 2009 through the months listed.  
12           b.     Big Rivers reviews its line loss statistics monthly. As a result of  
13                    those monthly reviews, Big Rivers is comfortable with its current  
14                    annual line loss rate. Consequently, during the period from July  
15                    2009 through October 2010, Big Rivers has not found it necessary  
16                    to take any actions to reduce line losses.

17  
18  
19 **Witness)**

- 20           a.     Mark A. Davis  
21           b.     Glen D. Thweatt

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# Big River Electric Corporation

## Calculation of Twelve-Month Average Line Loss by Month July 17, 2009 through October 2010

Line No.	12 Month Ending	12 Month Total Member Sales Plus Off System Sales (MWh)	12 Month Line Loss (MWh)	12 Month Line Losses as a Percent of Total Sales
1	July 17, 2009	835,386,497	9,657,302	1.16%
2	Aug-09	1,755,760,122	20,432,276	1.16%
3	Sep-09	2,662,935,323	30,229,707	1.14%
4	Oct-09	3,576,170,101	40,969,454	1.15%
5	Nov-09	4,447,115,094	53,890,056	1.21%
6	Dec-09	5,425,235,520	64,823,307	1.19%
7	Jan-10	6,488,718,825	78,945,173	1.22%
8	Feb-10	7,506,630,029	92,191,243	1.23%
9	Mar-10	8,535,309,387	104,614,840	1.23%
10	Apr-10	9,449,608,081	114,369,403	1.21%
11	May-10	10,412,765,353	104,614,840	1.00%
12	Jun-10	11,407,871,379	141,102,403	1.24%
14	Jul-10	11,613,636,030	151,246,283	1.30%
15	Aug-10	11,758,234,069	155,566,923	1.32%
16	Sep-10	11,783,326,682	157,688,415	1.34%
17	Oct-10	11,770,098,802	158,091,617	1.34%

Note(s) - 1.- Big Rivers did not have a 12-month history until July, 2010. From July 2009 through June 2010, the '12-month average' calculation includes all months from July 2009 through the months listed.



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 14)** *List Big Rivers' scheduled, actual, and forced outages between May 1,*  
2 *2010 and October 31, 2010.*

3

4 **Response)** Please see the attached schedule for the information requested on  
5 scheduled ("S"), actual ("A"), and forced ("F") outages.

6

7

8 **Witness)** Lawrence V. Baronowsky

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**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011

CASE NO. 2010-00495

Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

Schedule vs. Actual

Big Rivers Electric Corporation  
Reid Station Unit #1 - Coal - 65MW Net  
May 1, 2010 thru October 31, 2010

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled FROM	Scheduled TO	Actual FROM	Actual TO	Scheduled	Actual	
May		No Outages						
June	S, A	6/8/10 7:00	6/9/10 7:00	6/8/10 7:00	6/9/10 2:35	6/8/10 7:00	6/9/10 19:35	Removed from reserve stand-by to repair wet bottom ash gate
	F	6/25/10 22:05	6/26/10 18:04	6/26/10 18:04	6/26/10 18:04	6/26/10 18:04	19:59	Pulverizer and Primary Air Fan Repairs
July	F	7/2/10 11:15	7/2/10 23:45	7/2/10 11:15	7/2/10 23:45	7/2/10 23:45	12:30	Removed from reserve stand-by to repair tube leaks discovered during boiler hydro test
	F	7/4/10 6:00	7/4/10 18:00	7/4/10 6:00	7/4/10 18:00	7/4/10 18:00	12:00	Removed from reserve stand-by due to water contamination in the turbine tube oil tank
	F	7/5/10 8:48	7/5/10 15:48	7/5/10 8:48	7/5/10 15:48	7/5/10 15:48	7:00	Pulverizer drive pinion bearing problem
	F	7/7/10 11:15	7/7/10 12:22	7/7/10 11:15	7/7/10 12:22	7/7/10 12:22	1:07	Master fuel trip due to flame scanner failure
August	F	8/6/10 6:45	8/8/10 22:04	8/6/10 6:45	8/8/10 22:04	8/8/10 22:04	63:19	Superheater tube leak
	F	8/10/10 23:51	8/12/10 4:53	8/10/10 23:51	8/12/10 4:53	8/12/10 4:53	29:02	Precipitator repairs
September	S, A	9/5/10 16:40	9/6/2010 16:40	9/5/10 16:40	9/6/10 10:40	9/5/10 16:40	18:00	Removed from reserve stand-by status to repair turbine bearing oil pump
October	S, A	10/14/10 6:00	10/21/2010 6:00	10/14/10 6:00	10/21/10 20:00	10/14/10 6:00	182:00	Removed from reserve stand-by for planned maintenance outage

**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011

CASE NO. 2010-00495

Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

Schedule vs Actual

Big Rivers Electric Corporation  
 Reid Station Unit #2 - Combustion Turbine - Oil/Gas - 65MW Net  
 May 1, 2010 thru October 31, 2010

MONTH	TYPE	MAINTENANCE		HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled	Actual	Scheduled	Actual	
May		No Outages				
June	S,A	6/30/10 21:00	7/1/10 0:00	3:00	3:00	Removed from reserve stand-by status to repair a leaking flange
July	S,A	7/1/10 7:00	7/1/10 18:45	7:00	8:15	Removed from reserve stand-by status to repair a leaking flange
July	F	7/2/10 11:30	7/2/10 11:30	2:30	2:42	Tripped on high exhaust temperature
July	F	7/2/10 12:00	7/2/10 14:30	2:30	2:30	Removed from reserve stand-by status to replace flame scanner
July	S,A	7/2/10 14:30	7/3/10 22:25	72:00	108:55	Removed from reserve stand-by status to repair gas sensor and exhaust gas outlet duct
July	S,A	7/9/10 9:30	7/15/10 16:34	6:40	6:40	Tripped on high turbine bearing temperature
July	F	7/16/10 10:51	7/16/10 11:40	0:49	0:49	Tripped due to #4 gas detection sensor failure
July	F	7/16/10 14:25	7/16/10 16:28	2:03	2:03	Tripped on high turbine bearing temperature
July	F	7/17/10 0:00	7/17/10 6:10	6:10	6:10	Tripped due to #4 bearing thermocouple failure
July	F	7/17/10 6:00	7/18/10 8:00	2:30	2:30	Removed from reserve stand-by status to repair thermocouple wiring
July	S,A	7/17/10 0:00	7/18/10 5:30	1:44	1:44	Removed from reserve stand-by status to repair thermocouple wiring
July	S,A	7/18/10 8:00	7/20/10 16:49	1:20	1:20	Removed from reserve stand-by status to replace #2 bearing alarm wiring
July	S,A	7/18/10 5:30	7/20/10 15:01	0:35	0:35	Tripped on high exhaust temperature
July	F	7/21/10 12:15	7/21/10 13:35	0:34	0:34	Tripped on high exhaust temperature
July	F	7/22/10 8:10	7/22/10 10:30	2:30	2:20	Removed from reserve stand-by status to replace alarm wiring
July	S,A	7/22/10 8:00	7/24/10 13:31	5:30	5:30	Tripped on high exhaust temperature
July	F	7/24/10 12:56	7/24/10 12:15	8:00	7:30	Removed from reserve stand-by status to replace alarm wiring
July	F	7/28/10 11:41	7/28/10 12:15			Tripped on high exhaust temperature due to excess fuel flow
July	S,A	7/29/10 3:30	7/29/10 11:00			Tripped on high exhaust temperature due to excess fuel flow
August	F	8/3/10 11:10	8/3/10 13:21	2:11	2:11	Tripped on high exhaust temperature due to excess fuel flow
August	F	8/3/10 13:21	8/4/10 9:53	20:32	20:32	Generator sync-scope failure
August	F	8/5/10 12:49	8/5/10 18:17	6:28	6:28	Replace gas coalescing filter
August	F	8/7/10 5:05	8/8/10 11:06	35:00	30:01	Tripped due to faulty gas detection sensors
August	S,A	8/7/10 5:00	8/11/10 19:17	8:00	6:15	Removed from reserve stand-by status to replace fault wiring and gas sensors
August	F	8/13/10 3:30	8/13/10 9:45	7:13	7:13	Tripped on generator differential lock-out protection
August	S,A	8/13/10 11:30	8/14/10 14:42			Tripped on high exhaust temperature
September	F	9/8/10 8:24	9/8/10 8:58	0:34	0:34	Tripped due to faulty gas detection sensors
September	F	9/15/10 15:33	9/15/10 16:11	0:38	0:38	Tripped due to faulty gas detection sensors
September	F	9/15/10 16:18	9/15/10 16:57	0:20	0:20	Tripped on high exhaust temperature
September	F	9/15/10 16:07	9/15/10 18:27	3:00	2:25	Removed from reserve stand-by status to calibrate gas detection sensors
September	F	9/16/10 9:30	9/16/10 11:55	2:00	2:05	Removed from reserve stand-by status to repair wiring to GSU transformer cooling fan
September	S,A	9/16/10 12:00	9/16/10 14:40	4:00	4:08	Removed from reserve stand-by status to repair gas leaks at the reducing station
September	S,A	9/16/10 12:35	9/22/10 11:00			Removed from reserve stand-by status to repair gas leaks at the reducing station
September	S,A	9/22/10 6:52	10/5/10 10:27			Tripped on high exhaust temperature
October	F	10/5/10 9:53	10/13/10 16:04	60:00	56:15	Tripped due to faulty gas detection sensors
October	F	10/13/10 15:34	10/28/10 15:15			Removed from reserve stand-by status for turbine rotor bore scope inspection
October	S,A	10/26/10 7:00	10/26/10 7:00			Removed from reserve stand-by status for turbine rotor bore scope inspection

**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011  
CASE NO. 2010-00495

Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

Schedule vs. Actual

Big Rivers Electric Corporation  
Henderson Station Two - Unit #1 - Coal - 153MW Net  
May 1, 2010 thru October 31, 2010

MONTH	TYPE	MAINTENANCE				SCHEDULED		ACTUAL		HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		FROM	TO	FROM	TO	Scheduled	TO	Actual	Actual	Scheduled	Actual	
May	S,A	5/9/10 16:00	5/10/10 16:00	5/9/10 16:40	5/10/10 13:30	24:00	20:50			0:26	20:50	Waterwall Tube Leak - Unit was placed on reserve stand-by until 5/16/10 22:54
	F	5/16/10 22:54	5/16/10 23:20	5/16/10 22:54	5/16/10 23:20	2:00	1:48				1:48	High drum level trip during start up. Test turbine overspeed trips
	S,A	5/17/10 4:00	5/17/10 6:00	5/17/10 4:05	5/17/10 5:53							
June		No Outages										
July	F			7/15/10 4:22	7/17/10 8:44					52:22		Superheater tube leak
August		No Outages										
September		No Outages										
October	F			10/5/10 9:40	10/6/10 3:53					18:13		Repair condenser tube leaks

# BIG RIVERS ELECTRIC CORPORATION

Response to the Commission Staff's Data Request dated January 26, 2011  
 CASE NO. 2010-00495  
 Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

Schedule vs. Actual

Big Rivers Electric Corporation  
 Henderson Station Two - Unit #2 - Coal - 159MW Net  
 May 1, 2010 thru October 31, 2010

MONTH	TYPE	MAINTENANCE		Actual		HOURS OF DURATION			REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled	TO	FROM	TO	Scheduled	Forced	Actual	
May	F			5/7/10 12:15	5/8/10 18:18		30:03		Waterwall tube leaks
	F			5/8/10 18:32	5/8/10 19:31		0:59		Low drum level trip during start up
	S,A	5/9/10 0:00	5/9/10 8:00	5/9/10 0:20	5/9/10 8:00	8:00		7:40	Turbine overspeed trip tests - Unit was placed on reserve stand-by until 5/9/10 14:40
June	F			6/16/10 12:02	6/17/10 6:16		18:14		Replace MW transducer in turbine controls
July	F			7/15/10 19:11	7/20/10 6:32		107:21		Superheater tube leaks
August									No Outages
September	F			9/7/10 18:35	9/9/10 12:00		41:25		Repair wet bottom ash gate - Unit placed on reserve stand-by until 9/10/10 05:00
	F			9/10/10 5:00	9/10/10 17:15		12:15		Replace rupture diaphragm in LP Turbine Exhaust Hood
	F			9/25/10 20:23	9/26/10 1:44		5:21		Tripped on high furnace pressure after FGD Booster Fan tripped
October	S,A	10/9/10 0:00	10/9/10 12:00	10/8/10 23:15	10/9/10 10:04	12:00		10:49	Replace generator voltage regulator control cards
	F			10/30/10 5:11			42:49		Waterwall tube leaks

**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011  
 CASE NO. 2010-00495  
 Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

MONTH	TYPE	SCHEDULED		ACTUAL		HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		FROM	TO	FROM	TO	Scheduled	Forced	
May	S,A	5/10/10	22:00	5/8/10	11:56	238:00	179:56	Planned maintenance outage
	F	5/11/10	9:46	5/12/10	4:33		18:47	Repair condenser tube leaks
	F	5/25/10	1:12	5/26/10	3:37		26:25	Reheater tube leak
	F	5/29/10	12:36	5/30/10	7:44		19:08	Waterwall tube leak
June	F	6/11/10	18:24	6/12/10	17:12		22:48	Repair condenser tube leaks
July								No Outages
August								No Outages
September	F	9/3/10	23:01	9/5/10	13:29		38:28	Precipitator repairs
	F	9/8/10	7:51	9/8/10	11:01		3:10	Master Fuel Trip as a result of 1B31 MCC failure

Schedule vs. Actual

Big Rivers Electric Corporation  
 Green Station Unit #1 - Coal/Pet coke - 231MW Net  
 May 1, 2010 thru October 31, 2010

**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011  
CASE NO. 2010-00495  
Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Actual	
		FROM	TO	FROM	TO			
May	No Outages							
June	No Outages							
July	No Outages							
August	No Outages							
September	S,A	9/18/10 0:00	9/20/10 0:00	9/17/10 23:16	9/19/10 15:21	46:00	40:05	Wash Air Heaters
December	No Outages							

Big Rivers Electric Corporation  
Green Station Unit #2 - Coal/Pet coke - 223MW Net  
May 1, 2010 thru October 31, 2010

Schedule vs. Actual

**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011  
CASE NO. 2010-00495  
Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

Big Rivers Electric Corporation  
Coleman Station Unit #1 - Coal - 150MW Net  
May 1, 2010 thru October 31, 2010

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE		Actual		HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE	
		Scheduled FROM	Scheduled TO	FROM	TO	Scheduled	Actual		
May	F	5/5/10 15:06		5/7/10 20:00		52:54		Tube leaks in heat recovery area	
June		No Outages							
July	F	7/9/10 22:32		7/11/10 22:58		48:26		Waterwall tube leak	
	F	7/18/10 1:00		7/21/10 21:40		92:40		Reheater tube leak	
August		No Outages							
September	S,A	9/24/10 21:00	9/25/10 21:00	9/25/10 21:17		24:00	24:17	Soot Blower seal box repair - unit placed on reserve stand-by until 9/26/2010 21:00	
	F	9/26/10 21:00		9/28/10 7:41		34:41		Tube leaks in heat recovery area discovered during boiler hydro test prior to start up	

**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011  
CASE NO. 2010-00495  
Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

Big Rivers Electric Corporation  
Coleman Station Unit #2 - Coal - 138MW Net  
May 1, 2010 thru October 31, 2010

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE		Actual		HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled	TO	FROM	TO	Scheduled	Actual	
May	F		5/16/10 20:12	5/16/10 20:12	5/18/10 8:32	36:20		Boiler pH excursion caused by acid leaking into condensate storage tank from RO plant
June	F		6/16/10 1:25	6/16/10 1:25	6/18/10 5:22	51:57		Reheater tube leaks
	F		6/21/10 15:36	6/21/10 15:36	6/24/10 19:55	76:19		Reheater tube leaks
July								
August	F		8/17/10 13:52	8/17/10 13:52	8/17/10 15:58	2:06		Tripped on low drum level due to loss of "B" boiler feed pump
September								
October	S,A	10/2/10 22:00	10/30/10 22:00	10/2/10 1:07	10/29/10 17:00	672:00	663:53	Planned maintenance outage

**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011  
CASE NO. 2010-00495  
Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

Big Rivers Electric Corporation  
Coleman Station Unit #3 - Coal - 155MW Net  
May 1, 2010 thru October 31, 2010

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled FROM	Scheduled TO	Actual FROM	Actual TO	Scheduled	Actual	
May	F		5/6/10 22:28	5/6/10 18:48		44:20	Boiler pH excursion caused by acid leaking into condensate storage tank from RO plant	
June	F		6/19/10 6:39	6/19/10 9:30		2:51	"A" PA Fan and "A" Pulverizer tripped causing boiler MFT last mill in service	
	F		6/25/10 14:33	6/27/10 17:27		50:54	Economizer tube leaks	
July		No Outages						
August		No Outages						
September	S, A	9/5/10 22:00	9/7/10 10:00	9/5/10 22:27	9/7/10 4:57	36:00	30:30	Repair external tube leak in south waterwall
October		No Outages						

**BIG RIVERS ELECTRIC CORPORATION**

Response to the Commission Staff's Data Request dated January 26, 2011  
 CASE NO. 2010-00495  
 Item 14

List Big Rivers' Scheduled ("S"), Actual ("A"), and Forced ("F") Outages for the Period May 1, 2010 thru October 31, 2010

Big Rivers Electric Corporation  
 Wilson Station - Unit #1 - Coal/Pet Coke - 417MW Net  
 May 1, 2010 thru October 31, 2010

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE		SCHEDULE vs. ACTUAL		HOURS OF DURATION		REASON FROM DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled	Actual	Scheduled	Actual	Forced	Actual	
May	No Outages							
June	No Outages							
July	F			7/29/10 20:05	7/30/10 5:41		9:36	Tripped on low drum level following #1 boiler feed pump trip
August	No Outages							
September	F			10/28/10 22:59	10/30/10 14:18		39:19	Repair turbine reheat stop valve - extended to wash primary reheater
October	F			10/3/10 16:10	10/6/10 18:09		73:59	Waterwall tube leaks
	F			10/13/10 14:03	10/15/10 12:00		45:57	Reheater tube leaks
	F			10/31/10 1:49	----->		22:11	Waterwall tube leaks



**BIG RIVERS ELECTRIC CORPORATION**  
**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT**  
**CLAUSE OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010**  
**CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

- 1 **Item 15)**     *For each existing fuel contract categorized as long-term (i.e., one year*  
2 *or more in length), provide:*
- 3           *a.     Supplier's name and address;*
  - 4           *b.     Name and location of production facility;*
  - 5           *c.     Date when contract was executed;*
  - 6           *d.     Duration of contract;*
  - 7           *e.     Date(s) of each contract revision, modification or amendment;*
  - 8           *f.     Annual tonnage requirements;*
  - 9           *g.     Actual annual tonnage received since the contract's inception;*
  - 10          *h.     Percentage of annual requirements received during the*  
11            *contract's term;*
  - 12          *i.     Base price in dollars per ton;*
  - 13          *j.     Total amount of price escalations to date in dollars per ton; and*
  - 14          *k.     Current price paid for coal under the contract in dollars per ton*  
15            *(i + j).*

16

17 **Response)**    Please see the attached schedules for the list of existing fuel contracts for  
18 the period from May 1, 2010, through October 31, 2010.

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21 **Witness)**     Mark W. McAdams

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A. NAME / ADDRESS:	Alliance Coal, LLC 1717 South Boulder Avenue Tulsa, Oklahoma 74119
B. PRODUCTION FACILITY:	Cardinal Mine Hopkins County, Kentucky
C. CONTRACT EXECUTED DATE:	December 30, 2009
D. CONTRACT DURATION:	December 31, 2010
E. CONTRACT AMENDMENTS:	None
F. ANNUAL TONNAGE REQUIREMENTS:	2010 – 680,000 tons
G. ACTUAL TONNAGE:	2010 (Jan-Apr) - 230,029.42 tons 2010 (May-Oct) – 365,149.71 tons
H. PERCENT OF ANNUAL REQUIREMENTS:	2010 – 87.53%
I. BASE PRICE:	Delivery Option A Sebree - \$49.44/ton Delivery Option A Energy - \$49.15/ton Delivery Option B Sebree - \$48.64/ton Delivery Option B Energy - \$48.33/ton Delivery Option C Sebree - \$47.45/ton Delivery Option C Energy - \$47.15/ton Delivery Option D Sebree - \$45.43/ton Delivery Option D Energy - \$45.14/ton
J. ESCALATIONS TO DATE:	None
K. CURRENT CONTRACT PRICE:	Delivery Option A Sebree - \$49.44/ton Delivery Option A Energy - \$49.15/ton Delivery Option B Sebree - \$48.64/ton Delivery Option B Energy - \$48.33/ton Delivery Option C Sebree - \$47.45/ton Delivery Option C Energy - \$47.15/ton Delivery Option D Sebree - \$45.43/ton Delivery Option D Energy - \$45.14/ton

A. NAME / ADDRESS: Allied Resources  
15 New Steamport Road  
Sebree, KY 42455

B. PRODUCTION FACILITY: Onton No. 9 Mine  
Webster County, KY

C. CONTRACT EXECUTED DATE: January 1, 2010

D. CONTRACT DURATION: December 31, 2011

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS: 2010 – 650,000 tons  
2011 – 500,000 tons

G. ACTUAL TONNAGE: 2010 (Jan-Apr) - 234,587.06 tons  
2010 (May- Oct) – 296,812.05 tons

H. PERCENT OF ANNUAL REQUIREMENTS: 2010 – 81.75%

I. BASE PRICE: 2010  
Quality A Sebree - \$46.57/ton  
Quality A Coleman - \$45.84/ton  
Quality B Sebree - \$45.06/ton  
Quality B Coleman - \$44.37/ton  
Quality C Sebree - \$42.31/ton  
Quality C Coleman - \$41.60/ton

2011  
Quality A Sebree - \$47.71/ton  
Quality A Coleman - \$47.01/ton  
Quality B Sebree - \$46.21/ton  
Quality B Coleman - \$45.52/ton  
Quality C Sebree - \$43.36/ton  
Quality C Coleman - \$42.66/ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: 2010  
Quality A Sebree - \$46.57/ton  
Quality A Coleman - \$45.84/ton  
Quality B Sebree - \$45.06/ton  
Quality B Coleman - \$44.37/ton  
Quality C Sebree - \$42.31/ton  
Quality C Coleman - \$41.60/ton

A. NAME / ADDRESS:	Foresight Coal Sales, LLC 3801 PGA Boulevard Palm Beach Gardens, FL 33410
B. PRODUCTION FACILITY:	Shay #1 Mine Macoupin County, IL
C. CONTRACT EXECUTED DATE:	March 20, 2009 July 17, 2009 – assumed by Big Rivers
D. CONTRACT DURATION:	December 31, 2010
E. CONTRACT AMENDMENTS:	April 27, 2010 Modification to quantity and reduction in base price
F. ANNUAL TONNAGE REQUIREMENTS:	2009 – 94,880 tons 2010 – 230,000 tons 2011 – 175,120 tons
G. ACTUAL TONNAGE:	2009 - 69,036.30 tons 2010 (Jan-Apr) - 25,889.30 tons 2010 (May-Oct) - 190,554.00 tons
H. PERCENT OF ANNUAL REQUIREMENTS:	2009 – 72.8% (Due to late mine start-up) 2010 – 94.11%
I. BASE PRICE:	<u>FOB Barge</u> 2009 \$61.00/ton 2010 \$61.00/ton 2011 \$61.00/ton
J. ESCALATIONS TO DATE:	None
K. CURRENT CONTRACT PRICE:	<u>FOB Barge</u> 2010 \$50.42/ton

A. NAME / ADDRESS: Oxford Mining Company  
544 Chestnut Street  
Coshocton, OH 43812

B. PRODUCTION FACILITY: Schoate Preparation Plant  
Muhlenberg County, KY

C. CONTRACT EXECUTED DATE: October 1, 2009

D. CONTRACT DURATION: December 31, 2011

E. CONTRACT AMENDMENTS: None in review period (Amended and restated  
July 1, 2010)

F. ANNUAL TONNAGE REQUIREMENTS: Quality A  
2009 – 50,411 tons (200,000/365 x 92)  
2010 – 450,000 tons  
2011 – 450,000 tons

Quality B  
2009 – 75,616 tons (200,000/365 x 92)  
2010 – 300,000 tons  
2011 – 300,000 tons

G. ACTUAL TONNAGE: Quality A  
2009 - 86,816.95 tons  
2010 (Jan-Apr) - 129,917.81 tons  
2010 (May-Oct) - 176,658.83 tons

Quality B  
2009 – 77,388.86 tons  
2010 (Jan-Apr) - 137,397.15 tons  
2010 (May-Oct) – 191,876.67 tons

H. PERCENT OF ANNUAL REQUIREMENTS: Quality A  
2009 – 172.42%  
2010 – 68.13%

Quality B  
2009 – 102.34%  
2010 – 109.76%

I. BASE PRICE: FOB Truck  
2009 - \$33.63/ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: Quality A - FOB Truck  
\$34.77/ton

Quality B - FOB Truck  
\$31.64/ton

A. NAME / ADDRESS:	PBP Energy, LLC PO Box 783 Greenville, KY 42345
B. PRODUCTION FACILITY:	Burden No. 2 Mine Muhlenberg County, KY
C. CONTRACT EXECUTED DATE:	July 17, 2009
D. CONTRACT DURATION:	December 31, 2013
E. CONTRACT AMENDMENTS:	None during review period. Contract amended and restated in August 2010.
F. ANNUAL TONNAGE REQUIREMENTS:	2009 – 109,808 tons (240,000/365 x 167) 2010 – 240,000 tons (amended to 128,070 tons) 2011 – 240,000 tons 2012 – 240,000 tons 2013 – 240,000 tons
G. ACTUAL TONNAGE:	2009 – 59,591.74 tons 2010 (Jan-Apr) - 26,914.17 tons 2010 (May-Oct) – 26,474.54 tons
H. PERCENT OF ANNUAL REQUIREMENTS:	2009 – 54.27% 2010 – 41.69 (with amendment 21%)
I. BASE PRICE:	<u>FOB Truck - Wilson</u> 2009 \$35.80/ton 2010 \$37.72/ton 2011 \$39.73/ton 2012 Reopener 2013 Reopener  <u>FOB Truck - Green</u> 2009 \$38.85/ton 2010 \$40.77/ton 2011 \$42.81/ton 2012 Reopener 2013 Reopener
J. ESCALATIONS TO DATE:	None
K. CURRENT CONTRACT PRICE:	FOB Truck - Wilson \$35.80/ton*  FOB Truck - Green \$38.85/ton*

\* Delivering 2009 tonnage quantity in 2010 for 2009 price.

A. NAME / ADDRESS:	Peabody CoalSales, LLC 701 Market Street St. Louis, MO 63101
B. PRODUCTION FACILITY:	Willow Lake Central Mine Saline County, IL
C. CONTRACT EXECUTED DATE:	July 17, 2009
D. CONTRACT DURATION:	December 31, 2010
E. CONTRACT AMENDMENTS:	January 4, 2010 (amended to change source from Arclar to Gateway Mine and reduce price)
F. ANNUAL TONNAGE REQUIREMENTS:	2009 – 228,767 tons (500,000/365 x 167) 2010 – 500,000 tons
G. ACTUAL TONNAGE:	2009 – 204,195.36 tons 2010 (Jan-Apr) - 157,084.79 tons 2010 (May-Oct) – 212,877.72 tons
H. PERCENT OF ANNUAL REQUIREMENTS:	2009 – 89.26% 2010 – 73.99%
I. BASE PRICE:	2009 – \$55.01/ton 2010 – \$56.65/ton
J. ESCALATIONS TO DATE:	None
K. CURRENT CONTRACT PRICE:	FOB Barge \$46.72/ton

A. NAME / ADDRESS:	Patriot Coal Sales, LLC 12312 Olive Boulevard St. Louis, MO 63141
B. PRODUCTION FACILITY:	Freedom Mine Henderson County, KY
C. CONTRACT EXECUTED DATE:	July 17, 2009
D. CONTRACT DURATION:	December 31, 2013
E. CONTRACT AMENDMENTS:	None
F. ANNUAL TONNAGE REQUIREMENTS:	2009 – 283,671 tons (620,000/365 x 167) 2010 – 1,000,000 tons 2011 – 1,000,000 tons 2012 – 1,000,000 tons 2013 – 1,000,000 tons
G. ACTUAL TONNAGE:	2009 – 289,814.70 tons 2010 (Jan-Apr) - 306,690.40 tons 2010 (May-Oct) – 474,806.80 tons
H. PERCENT OF ANNUAL REQUIREMENTS:	2009 – 102.17% 2010 – 47.48%
I. BASE PRICE:	<u>FOB Barge</u> 2009 – \$43.98/ton 2010 – \$39.50/ton 2011 – \$40.50/ton 2012 – Reopener 2013 – Reopener
J. ESCALATIONS TO DATE:	Second Quarter 2010 - \$0.55/ton
K. CURRENT CONTRACT PRICE:	<u>FOB Barge</u> \$40.05/ton

A. NAME / ADDRESS: Marathon Petroleum  
539 South Main Street  
Findlay, OH 45840

B. PRODUCTION FACILITY: Coker Facility  
Garyville, LA

C. CONTRACT EXECUTED DATE: July 17, 2009

D. CONTRACT DURATION: December 31, 2011

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS: 2009 – 183,014 tons (400,000/365 x 167)  
2010 – 400,000 tons  
2011 – 400,000 tons

G. ACTUAL TONNAGE: 2009 – 217,477.00 tons  
2010 (Jan-Apr) - 138,478.83 tons  
2010 (May-Oct) – 205,671.39 tons

H. PERCENT OF ANNUAL REQUIREMENTS: 2009 – 100%\*\*  
2010 – 86.04%

\*\* Annual tonnage requirements are based on an estimate. Big Rivers is contracted to receive one-half of Marathon Petroleum's coker production. The amount received within year is considered to be 100% of the annual requirement.

I. BASE PRICE: FOB Barge – Green & Wilson Plants  
2009 – \$13.37/ton  
2010 – \$13.37/ton  
2011 – \$13.37/ton

J. ESCALATIONS TO DATE: Wilson Plant (Barging fee)  
4th Quarter 2009 \$1.75/ton  
1st Quarter 2010 \$1.79/ton  
2nd Quarter 2010 \$1.83/ton

K. CURRENT CONTRACT PRICE: FOB Barge Green & Wilson  
Green – \$13.37/ton  
Wilson – \$15.20/ton



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 16)** *Provide a schedule of the present and proposed rates that Big Rivers*  
2 *seeks to change pursuant to 807 KAR 5:056, shown in comparative form.*

3  
4 **Response)** Big Rivers offers the following schedule of present and proposed rates it  
5 seeks to change, pursuant to 807 KAR 5:056, in comparative form.

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<b>Energy Charge</b>	<b>Present Rate</b>	<b>Proposed Rate</b>	<b>Increase</b>
8 Rate Schedule C.4.d(2)	\$0.020400 / kWh	\$0.030612 / kWh	\$0.010212 / kWh
9 Rate Schedule C.7.c(2)(b)	\$0.013715 / kWh	\$0.023927 / kWh	\$0.010212 / kWh
10 Rate Schedule 17(1)	\$0.010720 / kWh	\$0.020932 / kWh	\$0.010212 / kWh

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13 **Witness)** Roger D. Hickman  
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**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 17)** *Provide a statement showing by cross-outs and italicized inserts all*  
2 *proposed changes in rates. A copy of the current tariff may be used.*

3

4 **Response)** Attached hereto are the current tariff annotated to reflect the proposed  
5 changes outlined in Big Rivers' response to Item 16 of the Staff's January 26 Data  
6 Request.

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8 **Witness)** Roger D. Hickman

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For All Territory Served By  
Cooperative's Transmission System  
P.S.C.KY NO. 23

Original SHEET NO. 24

Big Rivers Electric Corporation  
(Name of Utility)

CANCELLING P.S.C.KY NO. \_\_\_\_\_

\_\_\_\_\_ SHEET NO. \_\_\_\_\_

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RULES AND REGULATIONS

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(1) A Demand Charge of:

All kW of billing demand at \$7.37 per kilowatt.

Plus,

(2) An Energy Charge of:

All kWh per month at \$0.030612 per kWh.

Deleted: 02040

(3) No separate transmission or ancillary services charges shall apply to these rates.

-----  
DATE OF ISSUE October 9, 2008 DATE EFFECTIVE July 17, 2009

ISSUED BY Big Rivers Electric Corporation, 201 3<sup>rd</sup> St., Henderson, KY 42420  
(Signature of Officer)

Issued By Authority of PSC Case No. 2007-00455, Order dated March 6, 2009

For All Territory Served By  
Cooperative's Transmission System  
P.S.C.KY.NO. 23

Original SHEET NO. 29

Big Rivers Electric Corporation  
(Name of Utility)

CANCELLING P.S.C.KY.NO. \_\_\_\_\_

\_\_\_\_\_ SHEET NO. \_\_\_\_\_

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RULES AND REGULATIONS

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c. Rates:

(1) Rates Separate for Each Large Industrial Customer:

Each month each Member Cooperative shall be required to pay separately for each of its qualifying Large Industrial Customers taking service under this tariff, in each case using that individual Large Industrial Customer contract demand (if any) or metered demand, as applicable.

(2) For all Large Industrial Customer delivery points, a Monthly Delivery Point Rate consisting of:

(a) A Demand Charge of:

All kW of billing demand at \$10.15 per kilowatt.

Plus,

(b) An Energy Charge of:

All kWh per month at \$0.023927 per kWh.

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(c) No separate transmission or ancillary services charges shall apply to these rates.

d. Charges:

Each month, each Member Cooperative shall pay on behalf of each of its large industrial customers taking service under this rate schedule a demand charge calculated by multiplying the demand charge rate contained in Section 7.c.2(a) by the higher of the maximum integrated metered thirty-minute coincident peak demand or the established contract demand, if any, plus an energy charge calculated by multiplying the energy charge contained in Section 7.c.2(b) by the metered consumption of kWh in that month.

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DATE OF ISSUE October 9, 2008 DATE EFFECTIVE July 17, 2009

ISSUED BY Big Rivers Electric Corporation, 201 3<sup>rd</sup> St., Henderson, KY 42420  
(Signature of Officer)

Issued By Authority of PSC Case No. 2007-00455, Order dated March 6, 2009

For All Territory Served By  
Cooperative's Transmission System  
P.S.C.KY.NO. 23

Original SHEET NO. 73

Big Rivers Electric Corporation  
(Name of Utility)

CANCELLING P.S.C.KY.NO. \_\_\_\_\_  
SHEET NO. \_\_\_\_\_

RULES AND REGULATIONS

17. FUEL ADJUSTMENT CLAUSE:

Applicability:

To all Big Rivers Electric Corporation's ("Big Rivers") Members.

Availability:

The Fuel Adjustment Clause ("FAC") is a mandatory rider to all wholesale sales by Big Rivers to its Members, including Base Energy sales to the Smelters under the two Wholesale Electric Service Agreements each dated as of July 1, 2009, between Big Rivers and Kenergy with respect to service by Kenergy to the Smelters but excluding Supplemental and Back-Up Energy sales to the Smelters under those two Agreements.

- (1) The FAC shall provide for periodic adjustment per kWh of sales when the unit cost of fuel [F(m)/S(m)] is above or below the base unit cost of \$0.020932 per kWh [F(b)/S(b)]. The current monthly charges shall be increased or decreased by the product of the kWh furnished during the current month and the FAC factor for the preceding month where the FAC factor is defined below:

Deleted: 01072

$$\text{FAC Factor} = \frac{F(m)}{S(m)} - \frac{F(b)}{S(b)}$$

Where "F" is the expense of fossil fuel in the base (b) and current (m) periods; and S is sales in the base (b) and current (m) periods as defined in 807 KAR 5:056, all defined below:

- (2) Fuel cost (F) shall be the most recent actual monthly cost of:
  - (a) Fossil fuel consumed in the utility's own plants, and the utility's share of fossil and nuclear fuel consumed in jointly owned or leased plants, plus the cost of fuel which would have been used in plants suffering forced generation or transmission outages, but less the cost of fuel related to substitute generation, plus

DATE OF ISSUE October 9, 2008 DATE EFFECTIVE July 17, 2009

ISSUED BY Big Rivers Electric Corporation, 201 3<sup>rd</sup> St., Henderson, KY 42420  
(Signature of Officer)  
Issued by Authority of PSC Case No 2007-00455, Order dated March 6, 2009



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 18)**     **a.**     *State whether Big Rivers regularly compares the price of its*  
2 *coal purchases with those paid by other electric utilities.*

3                   **b.**     *If yes, state:*

4                   (1)     *The utilities that are included in this comparison and*  
5                   *their locations; and*

6                   (2)     *How Big Rivers' prices compare with those of the other*  
7                   *utilities for the review period. Include all prices used in*  
8                   *the comparison.*

9  
10 **Response)**

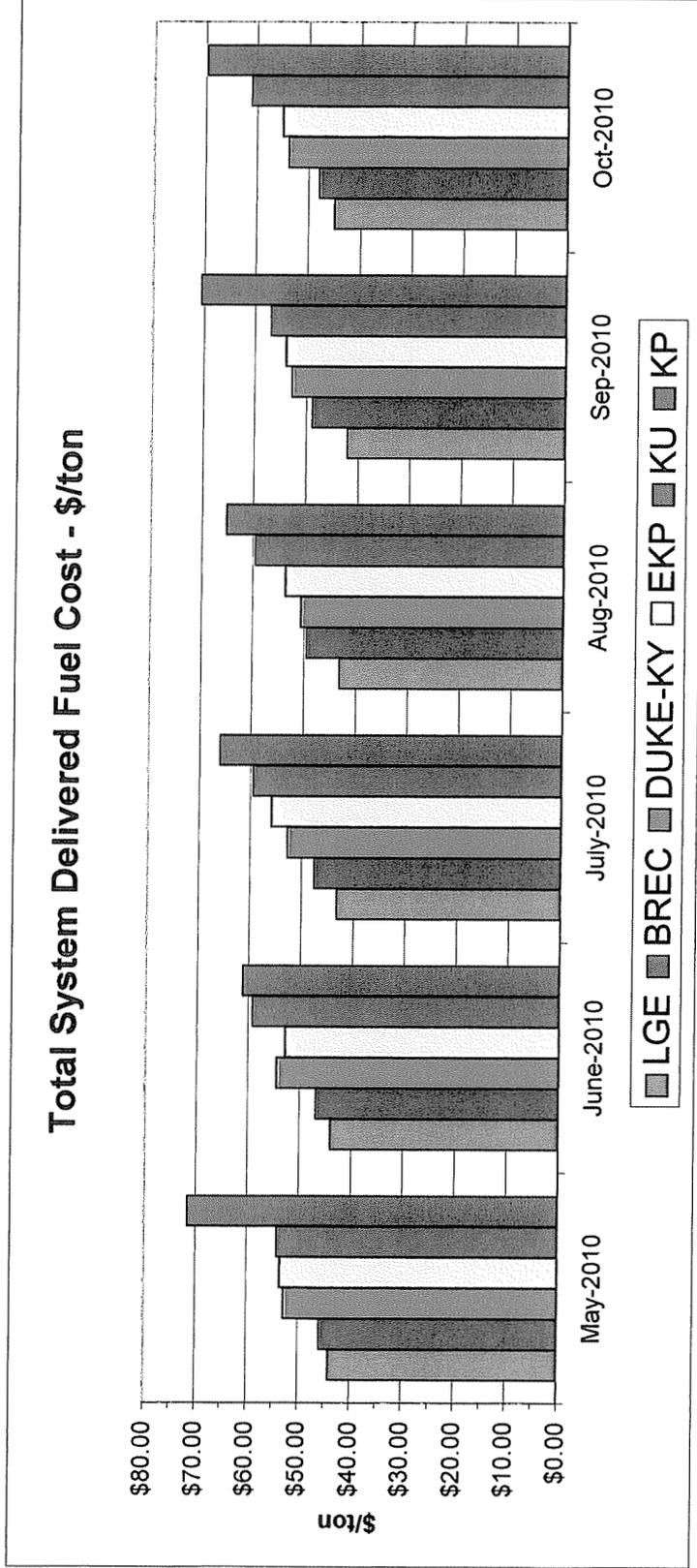
11                   a.     Yes, Big Rivers compares the price of its coal purchases with those  
12                   paid by other electric utilities.

13                   b.     (1) Utilities that are included in this comparison are Kentucky-  
14                   based utilities; and

15                   (2) Big Rivers' coal pricing is competitive with that of its  
16                   comparison group for the review period (see attached  
17                   comparison chart).

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20 **Witness)**     Mark W. McAdams

## Big Rivers Electric Corporation Delivered Fuel Cost Comparison to Other Utilities



Source: Utilities' Monthly FAC Filings with Kentucky Public Service Commission



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 19)**     *State the percentage of Big Rivers' coal, as of the date of this Order, that*  
2 *is delivered by:*

3             *a.     Rail;*

4             *b.     Truck; or*

5             *c.     Barge.*

6  
7 **Response)**

8             a.     Rail –             0 %,

9             b.     Truck –         48 %, and

10            c.     Barge –         52 %.

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12  
13 **Witness)**     Mark W. McAdams

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**BIG RIVERS ELECTRIC CORPORATION**

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**February 14, 2011**

1 **Item 20)**

- 2 a. *State Big Rivers' coal inventory level in tons and in number of*  
3 *days' supply as of October 31, 2010. Provide this information by*  
4 *generating station and in the aggregate.*
- 5 b. *Describe the criteria used to determine number of days'*  
6 *supply.*
- 7 c. *Compare Big Rivers' coal inventory as of October 31, 2010 to*  
8 *its inventory target for that date for each plant and for total*  
9 *inventory.*
- 10 d. *If actual coal inventory exceeds inventory target by 10 days'*  
11 *supply, state the reasons for excessive inventory.*
- 12 e. (1) *State whether Big Rivers expects any significant changes*  
13 *in its current coal inventory target within the next 12*  
14 *months.*
- 15 (2) *If yes, state the expected change and the reasons for this*  
16 *change.*

17  
18 **Response)**

- 19 a. As of October 31, 2010, Big Rivers' generating stations and, in the  
20 aggregate, had the following inventory levels and days' supply –

21

22 Total System/Station	Inventory Level (In Tons) <sup>1</sup>	Number of Days' Supply <sup>2</sup>	Duration (In Days)	Preceding 6 Months Burn (In Tons)
23 Big Rivers Electric System	731,700.95	35	184	2,669,569.20
24 Reid Station <sup>3</sup>	9,475.84	17	63	34,666.29
25 Station II	123,903.53	62	184	366,321.86
25 Green Station <sup>4</sup>	165,150.75	28	179	815,465.81
26 Coleman Station <sup>5</sup>	120,749.44	30	171	679,699.15
26 Wilson Station	312,421.39	29	184	773,416.09

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- b. Days' Supply = [ { Current Inventory (In Tons) / Preceding 6 Months Burn (In Tons) } ] x Duration (In Days)
- c. Big Rivers' Target Supply for its system and its generating stations, except the Reid Station, is between 30 – 60 days. For the Reid Station, the Target Supply is 10,000 tons of coal.
- d. The actual inventory, for each station and in the aggregate, does not exceed the inventory target by ten (10) days.
- e. (1) No. Big Rivers does not expect any significant changes in its coal inventory target with the next twelve (12) months.  
(2) Not Applicable.

**Footnotes -**

<sup>1</sup> Green Station had a petcoke inventory level of 68,288.21 tons as of October 31, and has a target blend of 25% with Green coal. Wilson Station had a petcoke inventory of 225,872.89 tons as of October 31, and has a target blend of 30% with Wilson coal.  
<sup>2</sup> Number of Days' Supply is rounded to reflect whole days.  
<sup>3</sup> Reid Station Unit 1 was in Standby Reserve 121 days. The duration of generation was reduced to 63 days.  
<sup>4</sup> Green Station Units 1 and 2 had scheduled outages in May and September and were out of service 258 hours. The duration was reduced to 179 days.  
<sup>5</sup> Coleman Station Unit 2 had a scheduled outage beginning October 2 until October 29. Unit 2 was out of service 663 hours. Unit 1 and Unit 3 were on standby reserve during the review period 254 hours. The duration was reduced to 171 days.

**Witness)** Mark W. McAdams and  
David J. Ashby



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1 **Item 21) a. State whether Big Rivers has audited any of its coal contracts**  
2 **during the period from May 1, 2010 through October 31, 2010.**

3 **b. If yes, for each audited contract:**

4 **(1) Identify the contract;**

5 **(2) Identify the auditor;**

6 **(3) State the results of the audit; and**

7 **(4) Describe the actions that Big Rivers took as a result of the**  
8 **audit.**

9  
10 **Response)**

11 a. Big Rivers has not initiated any audits during this Review Period;  
12 however, Big Rivers has concluded a prior audit with Peabody  
13 CoalSales and has a pending audit with Patriot Coal which  
14 occurred during the November 1, 2009 through April 30, 2010  
15 review period.

16 b. (1) Peabody CoalSales

17 Patriot Coal

18 (2) The auditor for both audits is Weir International

19 (3) The Peabody CoalSales audit was in regard to governmental  
20 imposition charges. Weir International audited the accuracy  
21 of Peabody's request. The initial request was subsequently  
22 adjusted downward from \$25,438 to \$24,763, a reduction of  
23 \$675. The Patriot Coal audit is still pending completion.

24 (4) Big Rivers sought external mining expertise on various  
25 governmental imposition claims asserted by Peabody  
26 CoalSales. The audit confirmed that the majority of the  
27 claims were appropriate pursuant to the coal supply  
28 agreement.

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**Witness)**      Mark W. McAdams



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**February 14, 2011**

1 **Item 22)**

- 2           a.     *State whether Big Rivers has received any customer complaints*  
3                   *regarding its FAC during the period from May 1, 2010 through*  
4                   *October 31, 2010.*
- 5           b.     *If yes, for each complaint, state:*  
6                   (1)    *The nature of the complaint; and*  
7                   (2)    *Big Rivers' response.*

8  
9 **Response)**

- 10           a.     Big Rivers received no customer complaints regarding its FAC  
11                   during the period from May 1, 2010 through October 31, 2010.
- 12           b.     Not Applicable.

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15 **Witness)**     Mark A. Davis

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**February 14, 2011**

1 **Item 23)**

- 2 a. *State whether Big Rivers is currently involved in any litigation*  
3 *with its current or former coal suppliers.*
- 4 b. *If yes, for each litigation:*
- 5 (1) *Identify the coal supplier;*  
6 (2) *Identify the coal contract involved;*  
7 (3) *State the potential liability or recovery to Big Rivers;*  
8 (4) *List the issues presented; and*  
9 (5) *Provide a copy of the complaint or other legal pleading*  
10 *that initiated the litigation and any answers or*  
11 *counterclaims. If a copy has previously been filed with*  
12 *the Commission, provide the date on which it was filed*  
13 *and the case in which it was filed.*
- 14 c. *State the current status of all litigation with coal suppliers.*

15  
16 **Response)**

- 17 a. Big Rivers is not currently involved in any litigation with its  
18 current or former suppliers.
- 19 b. Not applicable.
- 20 c. Not applicable.

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22  
23 **Witness)** Mark W. McAdams

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**February 14, 2011**

1 **Item 24)**     *List each written coal supply solicitation issued during the period from*  
2 *May 1, 2010 through October 31, 2010.*

3             *a.     For each solicitation, provide the date of the solicitation, the*  
4 *type of solicitation (contract or spot), the quantities solicited, a*  
5 *general description of the quality of coal solicited, the time*  
6 *period over which deliveries were requested, and the*  
7 *generating unit(s) for which the coal was intended.*

8             *b.     For each solicitation, state the number of vendors to whom the*  
9 *solicitation was sent, the number of vendors who responded,*  
10 *and the selected vendor. Provide the bid tabulation sheet or*  
11 *corresponding document that ranks the proposals. (This*  
12 *document should identify all vendors who made offers.) State*  
13 *the reasons for each selection. For the lowest cost bid no*  
14 *selected, explain why the bid was not evaluated.*

15  
16 **Response)**

- 17             a.     i)     Date of solicitation – Issued: August 13, 2010.  
18                             Return: September 3, 2010.
- 19                     ii)    Type of solicitation: Q4 Spot and Term (2011) written bid  
20                             solicitation
- 21                     iii)   Up to 150,000 tons of 4th Quarter for spot purposes and up  
22                             to 500,000 tons of term (one-year, 2011) contract fuel.
- 23                     iv)    Fuel specifications:
- 24                             a.     BTU/lb.: 10,500 to 13,500
- 25                             b.     Ash (lbs/MMBTU): 2.0 to 16.0
- 26                             c.     Moisture (lbs/MMBTU): 10.0 to 13.0
- 27                             d.     Sulfur (Lbs SO<sub>2</sub>): 5.75 – 8.50
- 28                     v)     Time period: Spot Coal – 4<sup>th</sup> Quarter 2011

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Term Coal – Year 2011.

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vi) Generating units: Green, HMP&L Station Two, Coleman, Wilson, and Reid.

b. i) Number of vendors solicited: The coal solicitation was posted to Big Rivers' web site for supplier review, print-out, and written bid proposal submission. Big Rivers accounted for more than 403 web site "hits", including 88 downloads of the bid file itself, reaching far more potential bidders than customary mailings might otherwise provide.

ii) Responding vendors: 12 vendors for 4<sup>th</sup> Quarter Spot Coal  
10 vendors for 2011 Term Coal

iii) Selected Vendors:

a) Spot Coal Supply: Alliance Coal, Armstrong Coal, and Oxford Mining.

b) 2011 Spot Coal Supply: Armstrong Coal and Oxford Mining.

iv) The bid tabulation spreadsheet is being provided under a Petition for Confidential Treatment. A redacted version of the spreadsheet is attached.

The rationale for each selection is as follows:

a) 4<sup>th</sup> Quarter 2010 Spot Coal:

**Alliance Coal** – presented coal supply that met the specific quality needs of HMP&L Station Two and Reid. Alliance also presented a competitive offer for spot coal to Coleman Station as compared to other spot offers for that generating station.

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**Armstrong Coal and Oxford Mining** – presented the lowest cost fuel supply by either barge or truck for the Wilson and/or Green generating stations.

b) 2011 Spot Coal Supply:

**Alliance Coal and Oxford Mining** – as noted in the bid tabulation spreadsheet, Armstrong and Oxford opportunities were the two lowest cost coal presented in the request for 2011 coal supply offers.

**Witness)** Mark W. McAdams

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Item 24.b.iv – Attachment

The entire attachment has been redacted and filed under a Petition for Confidential Treatment



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1 **Item 25)**     *List each oral coal supply solicitation issued during the period from May*  
2 *1, 2010 through October 31, 2010.*

3                   *a.     For each solicitation, state why the solicitation was not written,*  
4                   *the date(s) of the solicitation, the quantities solicited, a general*  
5                   *description of the quality of coal solicited, the time period over*  
6                   *which deliveries were requested, and the generating unit(s) for*  
7                   *which the coal was intended.*

8                   *b.     For each solicitation, identify all vendors solicited and the vendor*  
9                   *selected. Provide the tabulation sheet or other document that*  
10                   *ranks the proposals. (This document should identify all vendors*  
11                   *who made offers.) State the reasons for each selection. For each*  
12                   *lowest cost bid not selected, explain why the bid was not selected.*

13  
14 **Response)**     During the period from May 1, 2010 to October 31, 2010, Big Rivers did  
15 not issue any oral coal supply solicitations.

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17                   a. and b.       Not Applicable.

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20 **Witness)**     Mark W. McAdams

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1 **Item 26)** *For the period from May 1, 2010 to October 31, 2010, list each vendor*  
2 *from whom coal was purchased and the quantities and the nature of each purchase*  
3 *(e.g., spot or contract). Provide the percentage of purchases that were spot versus*  
4 *contract.*

5  
6 **Response)** Please see the schedule below.

7

<u>Purchase Vendor</u>	<u>Fuel Type</u>	<u>Purchase Tonnage</u>	<u>Contract Type</u>
Alliance Coal	Coal	365,149.71	Contract
Alliance Coal	Coal	34,997.71	Spot
Allied Resources	Coal	296,812.05	Contract
Allied Resources	Coal	56,920.19	Spot
Armstrong Coal	Coal	70,259.08	Spot
ExxonMobil Oil Corp	Pet Coke	113,949.91	Spot
Foresight Coal Sales, LLC	Coal	190,554.00	Contract
KenAmerican	Coal	24,362.70	Spot
Marathon Ashland Petroleum	Pet Coke	205,671.39	Contract
Oxford Mining	Coal	368,535.50	Contract
Oxford Mining	Coal	107,902.89	Spot
Patriot Coal Sales	Coal	474,806.80	Contract
PBP Energy	Coal	26,474.54	Contract
Peabody CoalSales	Coal	212,877.72	Contract
<b>Total Tonnage</b>		<u>2,659,302.51</u>	

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Percentage Spot Purchase Tons	16.02%
Percentage Contract Purchase Tons	<u>83.98%</u>
Percentage Total Purchase Tons	<u>100.00%</u>

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23 **Witness)** David J. Ashby  
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**BIG RIVERS ELECTRIC CORPORATION**

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1 **Item 27)** *For the period from May 1, 2010 to October 31, 2010, list each vendor*  
2 *from whom natural gas was purchased for generation and the quantities and the*  
3 *nature of each purchase (e.g., spot or contract).. Provide the percentage of purchases*  
4 *that were spot versus contract.*

5  
6 **Response)** Please see the schedule below. Big Rivers purchased natural gas from  
7 Atmos Energy under Atmos' tariff-based Interruptible Sales Service (G-2) – Industrial  
8 and Billing Rate Code 11 WD. This tariff is on file with the Commission. Starting in  
9 July 2010, Big Rivers began purchasing natural gas under a North American Energy  
10 Standards Board ("NAESB") Base Contract for Sale and Purchase of Natural Gas that  
11 had been executed with three suppliers. Actual purchases of gas are made using  
12 transaction confirmations that are governed by the NAESB Base Contract. Big Rivers  
13 also entered into a contract with Texas Gas Transmission, LLC for the transportation,  
14 storage, and borrowing of gas to Big Rivers' delivery point, the Reid Combustion  
15 Turbine. All of these contracts are on file with the Commission.

16  
17

<u>Purchase Vendor</u>	<u>Fuel Type</u>	<u>MCF</u>	<u>Contract Type</u>
Atmos Energy	Natural Gas	43,501.4	Tariff-based G-2 (Contract)
Atmos Energy Marketing, LLC	Natural Gas	85,912.0	Spot
Proliance Energy, LLC	Natural Gas	9,960.0	Spot
Total		<u>139,373.4</u>	

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Percentage Contract	31%
Percentage Spot	<u>69%</u>
Total	100%

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26 **Witness)** David J. Ashby



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1 **Item 28)** *For each generating station or unit for which a separate coal pile is*  
2 *maintained, state for the period from May 1, 2010 to October 31, 2010 the actual*  
3 *amount of coal burned in tons, the actual amount of coal deliveries in tons, the total*  
4 *kWh generated, and the actual capacity factor at which the plant operated.*

5  
6 **Response)** Please see the schedule below. The North American Electric Reliability  
7 Corporation's Generating Availability Data System defines Capacity Factor as the value  
8 equal to the net MWh produced divided by the product of the hours in the period times  
9 the unit rating in Net MWs.

10  
11

12 Plant	Coal & Pet Coke Burn (Tons)	Coal & Pet Coke Receipts (Tons)	Net kWh	Capacity Factor (Net MWh) / (Period Hrs x Net MW rating)
14 Reid Station (Coal)	34,666.29	34,997.71	60,462,000	21.06%
15 Station Two (Coal) *	366,321.86	331,493.54	824,399,960	83.84%
16 Green Station (Coal)	631,321.81	636,604.10	1,739,338,374	86.76%
17 Green Station (Pet Coke) **	184,144.00	164,619.78		
18 Coleman Station (Coal)	679,699.15	671,462.12	1,386,596,000	70.88%
19 Wilson Station (Coal)	534,476.19	555,095.42	1,741,175,926	93.09%
20 Wilson Station (Pet Coke) **	238,939.90	155,001.52		

21 \* Net of City of Henderson. City of Henderson generation take was 330,803,000 kWhs.

22 \*\* Net kWh and Capacity Factor includes energy from burning Coal and Pet Coke.

23 **Witness)** David J. Ashby  
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1 **Item 29)**

- 2           a.     *During the period from May 1, 2010 through October 31, 2010,*  
3                   *have there been any changes to Big Rives' written policies and*  
4                   *procedures regarding its fuel procurement?*
- 5           b.     *If yes:*
- 6                   (1)    *Describe the changes;*  
7                   (2)    *State the date(s) the changes were made;*  
8                   (3)    *Explain why the changes were made; and*  
9                   (4)    *Provide the written policies and procedures as changed.*
- 10          c.     *If no, provide the date when Big Rivers' current fuel*  
11                   *procurement policies and procedures were last changed, when*  
12                   *they were last provided to the Commission, and identify the*  
13                   *proceeding in which they were provided.*

14  
15 **Response)**

- 16           a.     During the period from May 1, 2010 to October 31, 2010, Big  
17                   Rivers has made no changes to its written policies and procedures  
18                   regarding its fuel procurement.
- 19           b.     Not applicable.
- 20           c.     Big Rivers provided its Fuel Procurement Policies and Procedures  
21                   to the Commission in response to Item 15 of the Commission  
22                   Staff's Data Request dated January 27, 2010, in Case No. 2009-  
23                   00510. Big Rivers' response was filed on February 17, 2010.

24  
25  
26 **Witness)**

Mark W. McAdams





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meeting. At that meeting, Big Rivers' management explained all details surrounding the proposed purchase, including the deviation, and requested that the board of directors ratify the contract. After discussion, the board of directors ratified the contract.

The difference (\$4/ton) between the spot contract price (\$54/ton) and the authority limit (\$50/ton) reflected a total deviation of \$224,000 (or 7.4%) of the total spot contract value of \$3,024,000 (based upon 56,000 tons).

As a result of this series of events, Big Rivers modified its existing process to ensure such a deviation does not reoccur in the future.

**Witness)**      Mark W. McAdams



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM JULY 17, 2009 THROUGH OCTOBER 31, 2010  
CASE NO. 2010-00495**

**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 31)** *Identify and explain the reasons for all changes in the organizational*  
2 *structure and personnel of the departments or divisions that are responsible for Big*  
3 *Rivers' fuel procurement activities that occurred during the period from May 1, 2010*  
4 *through October 31, 2010.*

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7 **Response)** There have been no changes in the organizational structure of, and  
8 personnel for, the department or divisions responsible for Big Rivers' fuel procurement  
9 activities during the period from May 1, 2010 to October 31, 2010.

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12 **Witness)** Mark W. McAdams  
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**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
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**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 32)**

- 2                   a.     *Identify all changes that Big Rivers has made during the*  
3                             *period from May 1, 2010 to October 31, 2010 to its*  
4                             *maintenance and operation practices that also affect fuel usage*  
5                             *at Big Rivers' generation facilities.*  
6                   b.     *Describe the impact of these changes on Big Rivers' fuel usage.*

7  
8 **Response)**

- 9                   a.     Big Rivers has made no changes to its maintenance and operation  
10                            practices from May 1, 2010, to October 31, 2010, that have  
11                            affected fuel usage at Big Rivers' generation facilities.  
12                   b.     Not Applicable.

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15 **Witness)**

- 16                   a.     Lawrence V. Baronowsky  
17                            b.     Mark W. McAdams  
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**BIG RIVERS ELECTRIC CORPORATION**  
**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT**  
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**Response to the Commission Staff's Data Request dated January 26, 2011**

**February 14, 2011**

1 **Item 33)**

- 2           a.     *List all intersystem sales during the period from May 1, 2010 to*  
3                     *October 31, 2010 in which Big Rivers used a third party's*  
4                     *transmission system.*
- 5           b.     *For each sale listed above:*
- 6                     (1)    *Describe how Big Rivers addressed, for FAC reporting*  
7                     *purposes, the cost of fuel expended to cover any line*  
8                     *losses incurred to transmit its power across the third*  
9                     *party's transmission system; and*
- 10                    (2)    *State the line loss factor used for each transaction and*  
11                    *describe how that line loss factor was determined.*

12  
13 **Response)**

- 14           a.     Please see the attached table.
- 15           b.     (1) Big Rivers used the actual line loss on third-party transmission  
16                     systems for purposes of allocating fuel costs to intersystem  
17                     sales made across third-party transmission systems.
- 18                    (2) The Tennessee Valley Authority ("TVA") line loss factor used  
19                     is 3%, which is the line loss factor listed in the TVA tariff.  
20                     TVA is the only third-party transmission system used for  
21                     intersystem sales during the period from May 1, 2010, to  
22                     October 31, 2010.

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25 **Witnesses)**   a. and b.(2)   Michael J. Mattox  
26                    b.(1)           Mark A. Davis

**Big Rivers Electric Corporation**  
**Intersystem Sales**  
**May 1, 2010 through October 31, 2010**

	Counterparty	May MWh Delivered	Jun MWh Delivered	Jul MWh Delivered	Aug MWh Delivered	Sep MWh Delivered	Oct MWh Delivered
1							
2							
3	Cargill Power Markets, LLC	17,082	4,365	150	800	21,725	2,127
4	Constellation Energy Commodities Group, Inc.	30,594	21,772	32,646	30,480	4,260	21,665
5	EDF Trading North America, LLC	7,705	26,535	16,252	15,614	21,952	16,228
6	Oglethorpe Power Corporation	310	1,200	975	995	275	224
7	PJM	5,586	9,637	12,346	14,790	6,304	8,506
8	PowerSouth Energy Cooperative	0	0	500	3,200	3,600	450
9	Southern Company Services, Inc.	140	0	160	5,465	2,755	920
10	Tenaska Power Services Co.	1,461	0	0	75	303	2,421
11	The Energy Authority, Inc.	297	949	3,773	5,058	2,212	818



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**February 14, 2011**

1 **Item 34)** *Describe each change that Big Rivers made to its methodology for*  
2 *calculating intersystem sales line losses during the period May 1, 2010 to October 31,*  
3 *2010.*

4  
5 **Response)** Big Rivers has made no changes during the period May 1, 2010, to  
6 October 31, 2010, to its methodology for calculating intersystem sales line losses.

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9 **Witness)** Michael J. Mattox

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**February 14, 2011**

1 **Item 35)** *State whether Big Rivers has solicited bids for coal with the restriction*  
2 *that it was not mined through strip mining or mountain top removal. If yes, explain*  
3 *the reasons for the restriction on the solicitation, the quantity in tons and price per ton*  
4 *of the coal purchased as a result of this solicitation, and the difference between the*  
5 *price of this coal and the price it could have obtained for the coal if the solicitation had*  
6 *not been restricted.*

7  
8 **Response)** Big Rivers has not solicited any bids for coal with the restriction that it  
9 was not mined through strip mining or mountain top removal.

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12 **Witness)** Mark W. McAdams

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