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Mark W. Starnes  
C. Ellsworth Mountjoy  
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August 27, 2015

Via Federal Express

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

\*Also Licensed in Indiana

Re: *In the Matter of: An Examination of the Application of the  
Fuel Adjustment Clause of Big Rivers Electric Corporation  
from November 1, 2014 through April 30, 2015*  
Case No. 2015-00237

Dear Mr. Derouen:

Enclosed for filing are an original and ten copies of (i) Big Rivers Electric Corporation's responses to the information requests contained in the appendix to the Public Service Commission's August 14, 2015, order in the above-referenced matter; and (ii) a petition for confidential treatment. I certify that on this date, a copy of the responses, a copy of the petition, and a copy of this letter were served on all parties of record.

Sincerely,



Tyson Kamuf  
Counsel for Big Rivers Electric Corporation

TAK/lm  
Enclosures

Telephone (270) 926-4000  
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PO Box 727  
Owensboro, Kentucky  
42302-0727

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**ORIGINAL**



Your Touchstone Energy® Cooperative 

**COMMONWEALTH OF KENTUCKY**

**BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY**

**In the Matter of:**

**AN EXAMINATION OF THE APPLICATION )  
OF THE FUEL ADJUSTMENT CLAUSE )  
OF BIG RIVERS ELECTRIC CORPORATION )  
FROM )  
NOVEMBER 1, 2014 THROUGH APRIL 30, 2015 )**

**Case No.  
2015-00237**

**Responses to Commission Staff's Request for Information  
dated  
August 14, 2015**

**FILED: August 28, 2015**

**ORIGINAL**

BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237

VERIFICATION

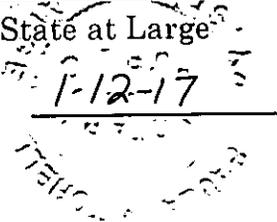
I, Murray W. (Wayne) O'Bryan, verify, state, and affirm that the data request responses filed with this verification for which I am listed as a witness are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

  
Murray W. (Wayne) O'Bryan

COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

SUBSCRIBED AND SWORN TO before me by Murray W. (Wayne) O'Bryan  
on this the 27<sup>th</sup> day of August, 2015.

  
Notary Public, Kentucky State at Large  
My Commission Expires 1-12-17



BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237

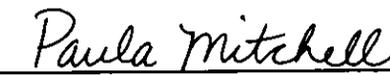
VERIFICATION

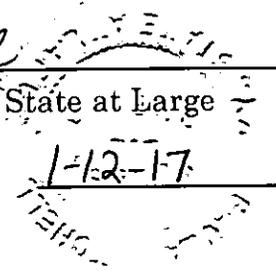
I, Lawrence V. (Larry) Baronowsky, verify, state, and affirm that the data request responses filed with this verification for which I am listed as a witness are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

  
\_\_\_\_\_  
Lawrence V. (Larry) Baronowsky

COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

SUBSCRIBED AND SWORN TO before me by Lawrence V. (Larry) Baronowsky on this the 27<sup>th</sup> day of August, 2015.

  
\_\_\_\_\_  
Notary Public, Kentucky State at Large  
My Commission Expires 1-12-17



BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237

VERIFICATION

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

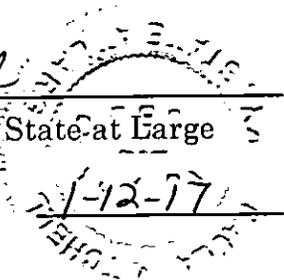


Mark W. McAdams

COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

SUBSCRIBED AND SWORN TO before me by Mark W. McAdams on this the  
27<sup>th</sup> day of August, 2015.

  
Notary Public, Kentucky State at Large  
My Commission Expires 1-12-17



BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237

VERIFICATION

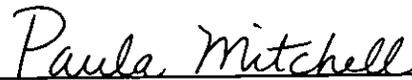
I, Nicholas R. (Nick) Castlen, verify, state, and affirm that the data request responses filed with this verification for which I am listed as a witness are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.



Nicholas R. (Nick) Castlen

COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

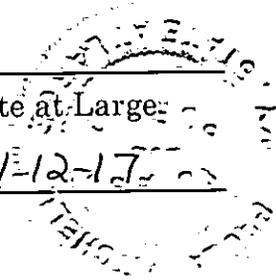
SUBSCRIBED AND SWORN TO before me by Nicholas R. (Nick) Castlen on  
this the 27<sup>th</sup> day of August, 2015.



Notary Public, Kentucky State at Large

My Commission Expires

1-12-17



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 1)** *For the period from November 1, 2014, through April 30, 2015,*  
2 *list each vendor from whom coal was purchased and the quantities and*  
3 *the nature of each purchase (i.e., spot or contract). For the period under*  
4 *review in total, provide the percentage of purchases that were spot versus*  
5 *contract. For contract purchases, state whether the contract has been*  
6 *filed with the Commission. If no, explain why it has not been filed.*

7

8 **Response)** Please see the schedules below.

9

**For the Period from November 1, 2014, through April 30, 2015**

<b>Purchase Vendor</b>	<b>Fuel Type</b>	<b>Purchase Tonnage</b>	<b>Contract Type</b>
Alliance Coal	Coal	67,723.99	Spot
Alliance Coal *	Coal	188,391.60	Contract
Armstrong Coal	Coal	401,688.80	Contract
Coeclerici-Coal Network	Coal	81,029.00	Spot
ExxonMobil	Pet Coke	69,071.76	Spot
Foresight Coal	Coal	29,609.97	Contract
KenAmerican Resources	Coal	121,997.07	Spot
KenAmerican Resources	Coal	104,423.03	Contract
Koch Carbon	Pet Coke	35,609.50	Spot
Oxbow Carbon & Minerals	Pet Coke	36,286.90	Spot
Patriot Coal Sales *	Coal	222,105.50	Contract
Peabody CoalSales	Coal	12,594.00	Spot
Rhino Energy, LLC	Coal	9,557.20	Spot
Sebree Mining, LLC	Coal	380,728.89	Contract
TCP Pet Coke	Pet Coke	196,300.30	Spot
Yager Materials, LLC	Coal	1,651.00	Spot
<b>Total Tonnage</b>		<b>1,958,768.51</b>	

\* Patriot Coal Contract BRE-11-021 assigned to Alliance Coal in January 2015.

10

11

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1

**For the Period from November 1, 2014, through April 30, 2015**

---

Percentage Spot Purchase Tons	32.26 %
Percentage Contract Purchase Tons	<u>67.74 %</u>
Percentage Total Purchase Tons	<u>100.00 %</u>

2

3 Big Rivers has filed its contract purchases with the Commission.

4

5

6 Witness) Mark W. McAdams

7

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 2)** *For the period from November 1, 2014, through April 30, 2015,*  
2 *list each vendor from whom natural gas was purchased for generation*  
3 *and the quantities and the nature of each purchase (i.e., spot or contract).*  
4 *For contract purchases, state whether the contract has been filed with the*  
5 *Commission. If no, explain why it has not been filed.*

6  
7 **Response)** Please see the listing on the following page for vendors from whom  
8 natural gas was purchased for generation and the quantity and nature of each  
9 purchase from November 1, 2014, through April 30, 2015. Also on the following  
10 page please see the percentage of purchases that were either spot versus contract  
11 for the period under review in total.

12 Starting in July 2010, Big Rivers began purchasing natural gas under  
13 a North American Energy Standard Board ("NAESB") base contract for sale and  
14 purchase of natural gas. Actual purchases of gas are made using transaction  
15 confirmations that are governed by the NAESB contract. Big Rivers also entered  
16 into a contract with Texas Gas Transmission, LLC for the transportation and  
17 storage and borrowing of gas to Big Rivers' delivery point, the Reid Combustion  
18 Turbine. All of these contracts are on file with the Kentucky Public Service  
19 Commission.

20  
21

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1

**For the Period from November 1, 2014, through April 30, 2015**

<b>Purchase Vendor</b>	<b>Fuel Type</b>	<b>MCF</b>	<b>Contract Type</b>
NJR Energy, LLC	Natural Gas	1,738.00	Spot
CIMA Energy, LTD	Natural Gas	4,535.00	Spot
Tenaska Marketing Ventures	Natural Gas	4,033.00	Spot

**For the Period from November 1, 2014, through April 30, 2015**

Percentage Contract	0 %
Percentage Spot	100.00 %
Percentage Total	100.00 %

2

3

4

**Witness) Wayne O'Bryan**

5

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 3)** *State whether Big Rivers engages in hedging activities for its*  
2 *coal or natural gas purchases used for generation. If yes, describe the*  
3 *hedging activities in detail.*

4

5 **Response)** Big Rivers does not engage in financial hedging activities regarding  
6 its coal or natural gas purchases used for generation.

7

8

9 **Witnesses)** Mark W. McAdams (Coal) and  
10 Wayne O'Bryan (Natural Gas)

11

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 4) For each generating station or unit for which a separate coal**  
2 **pile is maintained, state, for the period from November 1, 2014, through**  
3 **April 30, 2015, the actual amount of coal burned in tons, the actual**  
4 **amount of coal deliveries in tons, the total kWh generated, and the actual**  
5 **capacity factor at which the plant operated.**

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

12

<b>Plant</b>	<b>Coal &amp; Pet Coke Burn (Tons)</b>	<b>Coal &amp; Pet Coke Receipts (Tons)</b>	<b>Net kWh</b>	<b>Capacity Factor (Net MWh) / (Period Hrs x MW rating)</b>
Reid Station (Coal)	7,019.18	6,502.42	3,041,840	1.08 %
Station Two (Coal) *	301,346.39	347,809.76	685,548,760	89.72 %
Green Station (Coal)	615,942.63	583,629.80	1,617,225,867	82.00 %
Green Station (Pet Coke) **	128,459.00	192,435.64		
Coleman Station (Coal) ***	0.00	0.00	(5,701,000)	-0.30 %
Wilson Station (Coal)	649,941.03	638,558.07	1,675,692,931	92.51 %
Wilson Station (Pet Coke) **	90,041.40	144,832.82		

\* Net of City of Henderson. City of Henderson generation take was 297,532,000 kWhs.

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

\*\*\* Net kWh for Coleman Station is for Station Power as it has been idled since May 2014.

13

14 **Witness) Mark W. McAdams**

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 5)** *List all firm power commitments for Big Rivers from November*  
2 *1, 2014, through April 30, 2015, for (a) purchases and (b) sales. This list*  
3 *shall identify the electric utility, the amount of commitment in MW, and*  
4 *the purpose of the commitment (i.e., peaking, emergency).*

5

6 **Response)**

7 (a) Purchases:

8 Southeastern Power Administration ("SEPA"), up to 178 MW,  
9 energy for system. A force majeure, previously declared by  
10 SEPA for this contract due to dam safety issues at Wolf Creek  
11 and Center Hill dams on the Cumberland System, remained in  
12 effect from November 1, 2014, through April 30, 2015. For the  
13 period under review, Big Rivers has operated under an annual  
14 contract in which it schedules the purchases under the terms of  
15 weekly capacity declarations. These are limited to 154 MWs due  
16 to ongoing repairs on the Center Hill dam. The repairs are  
17 expected to last until 2017. Additional purchases are shown on  
18 the table at the top of the following page. Please note, the  
19 purchases listed were made to support firm Off-System Sales  
20 and were not passed through Big Rivers' FAC.

21

22

23

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1

<b>Big Rivers Electric Corporation Power Purchases November 1, 2014, through April 30, 2015</b>			
<b>Date</b>	<b>Electric Utility</b>	<b>MW Commitment</b>	<b>Purpose</b>
Nov – Dec 2014	MISO	200 MWs – On-Peak 131,200 MWs Total	Purchases for Off-System Sales
Nov 10 – 30, 2014	MISO	50 MWs – 7 x 24 25,200 MWs Total	Purchases for Off-System Sales
Jan – Feb 2015	MISO	200 MWs – On-Peak 131,200 MWs Total	Purchases for Off-System Sales
Jan – Apr 2015	MISO	200 MWs – On-Peak 272,000 MWs Total	Purchases for Off-System Sales
Feb 23 – 27, 2015	MISO	50 MWs – On-Peak 4,000 MWs Total	Purchases for Off-System Sales
Mar – Apr 2015	MISO	50 MWs – On-Peak 52,800 MWs Total	Purchases for Off-System Sales
April 2015	MISO	50 MWs – On-Peak 17,600 MWs Total	Purchases for Off-System Sales

2

3

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
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**August 28, 2015**

1  
2  
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4

(b) Sales:

Firm Off-System Sales are shown on the table that follows.

<b>Big Rivers Electric Corporation Firm Off-System Sales November 1, 2014, through April 30, 2015</b>			
<b>Date</b>	<b>Electric Utility</b>	<b>MW Commitment</b>	<b>Purpose</b>
Nov – Dec 2014	Morgan Stanley	200 MWs – On-Peak 131,200 MWs Total	Off-System Sales
Nov 10 – 30, 2014	EDF	50 MWs – 7 x 24 25,200 MWs Total	Off-System Sales
Jan – Feb 2015	Morgan Stanley	200 MWs – On-Peak 131,200 MWs Total	Off-System Sales
Feb 23 – 27, 2015	NextEra	50 MWs – On-Peak 4,000 MWs Total	Off-System Sales
Mar – Apr 2015	NextEra	50 MWs – On-Peak 52,800 MWs Total	Off-System Sales
April 2015	EDF	50 MWs – On-Peak 17,600 MWs Total	Off-System Sales

5  
6  
7  
8

Witness) Wayne O'Bryan

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 6)** *Provide a monthly billing summary of sales to all electric*  
2 *utilities for the period November 1, 2014, through April 30, 2015.*

3

4 **Response)** Please see the attached monthly billing summaries for sales to all  
5 electric utilities for the period November 1, 2014, through April 30, 2015.

6

7

8 **Witness)** Nicholas R. Castlen

9

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
November 2014**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 NOVEMBER 2014							
2							
3 JP RURALS	120,617	56,166,320	\$ 1,665,117.69	\$ 2,527,439.40	\$ 4,192,557.09	\$ -	\$ -
4 KENERGY RURALS	224,927	103,328,140	\$ 3,105,117.24	\$ 4,649,766.30	\$ 7,754,883.54	\$ -	\$ -
5 MEADE CO. RURALS	105,887	43,855,100	\$ 1,461,770.04	\$ 1,973,479.50	\$ 3,435,249.54	\$ -	\$ -
6							
7 TOTAL RURALS	451,431	203,348,560	\$ 6,232,004.97	\$ 9,150,685.20	\$ 15,382,690.17	\$ -	\$ -
8							
9 KI-ACCURIDE	4,967	1,902,160	\$ 53,221.41	\$ 72,377.19	\$ 125,598.60	\$ -	\$ -
10 KI-ALCOA	68	37,640	\$ 728.62	\$ 1,432.20	\$ 2,160.82	\$ 696.48	\$ -
11 KI-ALERIS	28,556	14,572,730	\$ 305,977.54	\$ 554,492.38	\$ 860,469.92	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,147	616,890	\$ 23,005.11	\$ 23,472.66	\$ 46,477.77	\$ -	\$ -
13 KI-ARMSTRONG - DOCK	11,340	4,857,690	\$ 121,508.10	\$ 184,835.10	\$ 306,343.20	\$ -	\$ 10,124.62
14 KI-ARMSTRONG - EQUALITY	3,188	1,408,790	\$ 34,159.42	\$ 53,604.46	\$ 87,763.88	\$ -	\$ 1,972.34
15 KI-ARMSTRONG - LEWIS	2,100	653,530	\$ 22,501.50	\$ 24,866.82	\$ 47,368.32	\$ -	\$ 2,267.12
16 KI-ARMSTRONG - MIDWAY	4,864	2,242,930	\$ 52,117.76	\$ 85,343.49	\$ 137,461.25	\$ -	\$ -
17 KI-DOMTAR PAPER CO.	15,000	10,601,820	\$ 160,725.00	\$ 403,399.25	\$ 564,124.25	\$ -	\$ -
18 KI-DOTIKI #3	60	20,800	\$ 642.90	\$ 791.44	\$ 1,434.34	\$ -	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	781	552,910	\$ 8,368.42	\$ 21,038.23	\$ 29,406.65	\$ 289.31	\$ -
20 KI-HOPKINS CO. COAL	107	36,740	\$ 1,146.51	\$ 1,397.96	\$ 2,544.47	\$ 10.72	\$ -
21 KI-KIMBERLY-CLARK	38,102	26,172,030	\$ 408,262.93	\$ 995,845.74	\$ 1,404,108.67	\$ -	\$ -
22 KI-PENNYRILE ENERGY, LLC	3,238	1,139,740	\$ 34,695.17	\$ 43,367.11	\$ 78,062.28	\$ 2,925.20	\$ -
23 KI-PRECOAT	3,478	1,337,180	\$ 37,266.77	\$ 50,879.70	\$ 88,146.47	\$ 417.89	\$ -
24 KI-SEBREE MINING-KMMC	170	60,680	\$ 1,821.55	\$ 2,308.87	\$ 4,130.42	\$ -	\$ -
25 KI-SEBREE MINING-STEAMPORT-ALLIED	3,634	1,310,070	\$ 38,938.31	\$ 49,848.16	\$ 88,786.47	\$ -	\$ -
26 KI-SOUTHWIRE CO.	7,001	4,063,340	\$ 75,015.72	\$ 154,610.09	\$ 229,625.81	\$ -	\$ -
27 KI-TYSON FOODS	10,854	5,666,800	\$ 116,300.61	\$ 215,621.74	\$ 331,922.35	\$ -	\$ -
28 KI-VALLEY GRAIN	2,547	1,309,300	\$ 27,291.11	\$ 49,818.87	\$ 77,109.98	\$ 3,032.35	\$ -
29							
30 SUBTOTAL INDUSTRIALS	142,202	78,563,770	\$ 1,523,694.46	\$ 2,989,351.46	\$ 4,513,045.92	\$ 7,371.95	\$ 14,364.08
31							
32 JPI-SHELL OIL	100	9,310	\$ 1,071.50	\$ 354.25	\$ 1,425.75	\$ -	\$ -
33							
34 TOTAL INDUSTRIALS	142,302	78,573,080	\$ 1,524,765.96	\$ 2,989,705.71	\$ 4,514,471.67	\$ 7,371.95	\$ 14,364.08
35							
36							
37 GRAND TOTAL	593,733	281,921,640	\$ 7,756,770.93	\$ 12,140,390.91	\$ 19,897,161.84	\$ 7,371.95	\$ 14,364.08

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
November 2014**

	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH
1 NOVEMBER 2014							
2							
3 JP RURALS	\$ 4,192,557.09	\$ 5.00	\$ 4,192,562.09	\$ 95,144.05	1.69	\$ 257,034.88	4.58
4 KENERGY RURALS	\$ 7,754,883.54	\$ -	\$ 7,754,883.54	\$ 175,037.87	1.69	\$ 475,626.70	4.60
5 MEADE CO. RURALS	\$ 3,435,249.54	\$ -	\$ 3,435,249.54	\$ 74,290.54	1.69	\$ 211,359.71	4.82
6							
7 TOTAL RURALS	\$ 15,382,690.17	\$ 5.00	\$ 15,382,695.17	\$ 344,472.46	1.69	\$ 944,021.29	4.64
8							
9 KI-ACCURIDE	\$ 125,598.60		\$ 125,598.60	\$ 3,222.26	1.69	\$ 8,067.36	4.24
10 KI-ALCOA	\$ 2,857.30		\$ 2,857.30	\$ 63.76	1.69	\$ 136.75	3.63
11 KI-ALERIS	\$ 860,469.92		\$ 860,469.92	\$ 24,686.20	1.69	\$ 54,629.05	3.75
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 46,477.77		\$ 46,477.77	\$ 1,045.01	1.69	\$ 3,021.46	4.90
13 KI-ARMSTRONG - DOCK	\$ 316,467.82		\$ 316,467.82	\$ 8,228.93	1.69	\$ 19,586.20	4.03
14 KI-ARMSTRONG - EQUALITY	\$ 89,736.22		\$ 89,736.22	\$ 2,386.49	1.69	\$ 5,604.12	3.98
15 KI-ARMSTRONG - LEWIS	\$ 49,635.44		\$ 49,635.44	\$ 1,107.08	1.69	\$ 3,069.04	4.70
16 KI-ARMSTRONG - MIDWAY	\$ 137,461.25		\$ 137,461.25	\$ 3,799.52	1.69	\$ 8,762.40	3.91
17 KI-DOMTAR PAPER CO.	\$ 564,124.25		\$ 564,124.25	\$ 17,959.48	1.69	\$ 35,379.61	3.34
18 KI-DOTIKI #3	\$ 1,434.34		\$ 1,434.34	\$ 35.24	1.69	\$ 92.51	4.46
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 29,695.96		\$ 29,695.96	\$ 936.63	1.69	\$ 1,844.16	3.34
20 KI-HOPKINS CO. COAL	\$ 2,555.19		\$ 2,555.19	\$ 62.24	1.69	\$ 164.18	4.47
21 KI-KIMBERLY-CLARK	\$ 1,404,108.67		\$ 1,404,108.67	\$ 44,335.42	1.69	\$ 88,149.75	3.37
22 KI-PENNYRILE ENERGY, LLC	\$ 80,987.48		\$ 80,987.48	\$ 1,930.72	1.69	\$ 5,031.69	4.41
23 KI-PRECOAT	\$ 88,564.36		\$ 88,564.36	\$ 2,265.18	1.69	\$ 5,660.84	4.23
24 KI-SEBREE MINING-KMMC	\$ 4,130.42		\$ 4,130.42	\$ 102.79	1.69	\$ 266.08	4.38
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 88,786.47		\$ 88,786.47	\$ 2,219.26	1.69	\$ 5,717.23	4.36
26 KI-SOUTHWIRE CO.	\$ 229,625.81		\$ 229,625.81	\$ 6,883.30	1.69	\$ 14,505.91	3.57
27 KI-TYSON FOODS	\$ 331,922.35		\$ 331,922.35	\$ 9,599.56	1.69	\$ 21,054.04	3.72
28 KI-VALLEY GRAIN	\$ 80,142.33		\$ 80,142.33	\$ 2,217.95	1.69	\$ 4,894.11	3.74
29							
30 SUBTOTAL INDUSTRIALS	\$ 4,534,781.95	\$ -	\$ 4,534,781.95	\$ 133,087.02	1.69	\$ 285,636.49	3.64
31							
32 JPI-SHELL OIL	\$ 1,425.75		\$ 1,425.75	\$ 15.77	1.69	\$ 96.68	10.38
33							
34 TOTAL INDUSTRIALS	\$ 4,536,207.70	\$ -	\$ 4,536,207.70	\$ 133,102.79	1.69	\$ 285,733.17	3.64
35							
36							
37 GRAND TOTAL	\$ 19,918,897.87	\$ 5.00	\$ 19,918,902.87	\$ 477,575.25	1.69	\$ 1,229,754.46	4.36

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
November 2014**

	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH
1 NOVEMBER 2014							
2							
3 JP RURALS	\$ (7,076.83)	(0.13)	\$ 26,229.20	\$ -	0.47	\$ 4,563,893.39	81.26
4 KENERGY RURALS	\$ (13,019.35)	(0.13)	\$ 48,254.24	\$ -	0.47	\$ 8,440,783.00	81.69
5 MEADE CO. RURALS	\$ (5,525.74)	(0.13)	\$ 20,480.33	\$ -	0.47	\$ 3,735,854.38	85.19
6							
7 TOTAL RURALS	\$ (25,621.92)	(0.13)	\$ 94,963.77	\$ -	0.47	\$ 16,740,530.77	82.32
8							
9 KI-ACCURIDE	\$ (239.67)	(0.13)	\$ 888.31	\$ -	0.47	\$ 137,536.86	72.31
10 KI-ALCOA	\$ (4.74)	(0.13)	\$ 17.58	\$ -	0.47	\$ 3,070.65	81.58
11 KI-ALERIS	\$ (1,836.16)	(0.13)	\$ 6,805.46	\$ -	0.47	\$ 944,754.47	64.83
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (77.73)	(0.13)	\$ 288.09	\$ -	0.47	\$ 50,754.60	82.27
13 KI-ARMSTRONG - DOCK	\$ (612.07)	(0.13)	\$ 2,268.54	\$ -	0.47	\$ 345,939.42	71.21
14 KI-ARMSTRONG - EQUALITY	\$ (177.51)	(0.13)	\$ 657.90	\$ -	0.47	\$ 98,207.22	69.71
15 KI-ARMSTRONG - LEWIS	\$ (82.34)	(0.13)	\$ 305.20	\$ -	0.47	\$ 54,034.42	82.68
16 KI-ARMSTRONG - MIDWAY	\$ (282.61)	(0.13)	\$ 1,047.45	\$ -	0.47	\$ 150,788.01	67.23
17 KI-DOMTAR PAPER CO.	\$ (1,335.83)	(0.13)	\$ 4,951.05	\$ -	0.47	\$ 621,078.56	68.58
18 KI-DOTIKI #3	\$ (2.62)	(0.13)	\$ 9.71	\$ -	0.47	\$ 1,569.18	75.44
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (69.67)	(0.13)	\$ 258.21	\$ -	0.47	\$ 32,665.29	59.08
20 KI-HOPKINS CO. COAL	\$ (4.63)	(0.13)	\$ 17.16	\$ -	0.47	\$ 2,794.14	76.05
21 KI-KIMBERLY-CLARK	\$ (3,297.68)	(0.13)	\$ 12,222.34	\$ -	0.47	\$ 1,545,518.50	59.05
22 KI-PENNYRILE ENERGY, LLC	\$ (143.61)	(0.13)	\$ 532.26	\$ -	0.47	\$ 88,338.54	77.51
23 KI-PRECOAT	\$ (168.48)	(0.13)	\$ 624.46	\$ -	0.47	\$ 96,946.36	72.50
24 KI-SEBREE MINING-KMMC	\$ (7.65)	(0.13)	\$ 28.34	\$ -	0.47	\$ 4,519.98	74.49
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (165.07)	(0.13)	\$ 611.80	\$ -	0.47	\$ 97,169.69	74.17
26 KI-SOUTHWIRE CO.	\$ (511.98)	(0.13)	\$ 1,897.58	\$ -	0.47	\$ 252,400.62	62.12
27 KI-TYSON FOODS	\$ (714.02)	(0.13)	\$ 2,646.40	\$ -	0.47	\$ 364,508.33	64.32
28 KI-VALLEY GRAIN	\$ (164.97)	(0.13)	\$ 611.44	\$ -	0.47	\$ 87,700.86	66.98
29							
30 SUBTOTAL INDUSTRIALS	\$ (9,899.04)	(0.13)	\$ 36,689.28	\$ -	0.47	\$ 4,980,295.70	63.39
31							
32 JPI-SHELL OIL	\$ (1.17)	(0.13)	\$ 4.35	\$ -	0.47	\$ 1,541.38	165.56
33							
34 TOTAL INDUSTRIALS	\$ (9,900.21)	(0.13)	\$ 36,693.63	\$ -	0.47	\$ 4,981,837.08	63.40
35							
36							
37 GRAND TOTAL	\$ (35,522.13)	(0.13)	\$ 131,657.40	\$ -	0.47	\$ 21,722,367.85	77.05

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
November 2014**

	MRSM \$	MRSM MILLS/ KWH	CN 2013-00199 MRSM TO OFF- SET BASE RATE INCREASE	MRSM - BASE RATE CREDIT MILLS/ KWH	REVENUE \$ NET OF MRSM \$ AND BASE RATE CREDIT \$	REV NET OF MRSM AND BASE RATE CREDIT MILLS/KWH
1 NOVEMBER 2014						
2						
3 JP RURALS	\$ (413,174.47)	(7.36)	(669,122.95)	(11.91)	\$ 3,481,595.97	61.99
4 KENERGY RURALS	\$ (762,878.93)	(7.38)	(1,233,691.36)	(11.94)	\$ 6,444,212.71	62.37
5 MEADE CO. RURALS	\$ (333,276.89)	(7.60)	(532,896.32)	(12.15)	\$ 2,869,681.17	65.44
6						
7 TOTAL RURALS	\$ (1,509,330.29)	(7.42)	\$ (2,435,710.63)	(11.98)	\$ 12,795,489.85	62.92
8						
9 KI-ACCURIDE	\$ (13,355.37)	(7.02)	(15,312.39)	(8.05)	\$ 108,869.10	57.23
10 KI-ALCOA	\$ (241.39)	(6.41)	(303.00)	(8.05)	\$ 2,526.26	67.12
11 KI-ALERIS	\$ (95,141.24)	(6.53)	(117,310.48)	(8.05)	\$ 732,302.75	50.25
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (4,736.41)	(7.68)	(4,965.96)	(8.05)	\$ 41,052.23	66.55
13 KI-ARMSTRONG - DOCK	\$ (33,090.58)	(6.81)	(39,104.40)	(8.05)	\$ 273,744.44	56.35
14 KI-ARMSTRONG - EQUALITY	\$ (9,520.55)	(6.76)	(11,340.76)	(8.05)	\$ 77,345.91	54.90
15 KI-ARMSTRONG - LEWIS	\$ (4,885.86)	(7.48)	(5,260.92)	(8.05)	\$ 43,887.64	67.15
16 KI-ARMSTRONG - MIDWAY	\$ (14,997.74)	(6.69)	(18,055.59)	(8.05)	\$ 117,734.68	52.49
17 KI-DOMTAR PAPER CO.	\$ (64,852.67)	(6.12)	(85,344.65)	(8.05)	\$ 470,881.24	44.42
18 KI-DOTIKI #3	\$ (150.34)	(7.23)	(167.44)	(8.05)	\$ 1,251.40	60.16
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (3,381.25)	(6.12)	(4,460.93)	(8.05)	\$ 24,833.11	44.91
20 KI-HOPKINS CO. COAL	\$ (266.32)	(7.25)	(295.76)	(8.05)	\$ 2,232.06	60.75
21 KI-KIMBERLY-CLARK	\$ (160,907.99)	(6.15)	(210,684.84)	(8.05)	\$ 1,173,925.67	44.85
22 KI-PENNYRILE ENERGY, LLC	\$ (8,200.16)	(7.19)	(9,174.91)	(8.05)	\$ 70,963.47	62.26
23 KI-PRECOAT	\$ (9,378.20)	(7.01)	(10,764.30)	(8.05)	\$ 76,803.86	57.44
24 KI-SEBREE MINING-KMMC	\$ (434.76)	(7.16)	(488.47)	(8.05)	\$ 3,596.75	59.27
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (9,359.22)	(7.14)	(10,546.06)	(8.05)	\$ 77,264.41	58.98
26 KI-SOUTHWIRE CO.	\$ (25,802.00)	(6.35)	(32,709.89)	(8.05)	\$ 193,888.73	47.72
27 KI-TYSON FOODS	\$ (36,807.74)	(6.50)	(45,617.74)	(8.05)	\$ 282,082.85	49.78
28 KI-VALLEY GRAIN	\$ (8,533.96)	(6.52)	(10,539.87)	(8.05)	\$ 68,627.03	52.42
29						
30 SUBTOTAL INDUSTRIALS	\$ (504,043.75)	(6.42)	(632,438.36)	(8.05)	\$ 3,843,813.69	48.93
31						
32 JPI-SHELL OIL	\$ (122.56)	(13.16)	(74.95)	(8.05)	\$ 1,343.87	144.35
33						
34 TOTAL INDUSTRIALS	\$ (504,166.31)	(6.42)	\$ (632,513.31)	(8.05)	\$ 3,845,157.46	48.94
35						
36						
37 GRAND TOTAL	\$ (2,013,496.60)	(7.14)	\$ (3,068,223.94)	(10.88)	\$ 16,640,647.31	59.03

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Sales to Electric Utilities  
 December 2014**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 DECEMBER 2014							
2							
3 JP RURALS	111,361	61,322,690	\$ 1,537,338.61	\$ 2,759,521.05	\$ 4,296,859.66	\$ -	\$ -
4 KENERGY RURALS	209,648	111,221,128	\$ 2,894,190.64	\$ 5,004,950.76	\$ 7,899,141.40	\$ -	\$ -
5 MEADE CO. RURALS	93,736	46,914,330	\$ 1,294,025.48	\$ 2,111,144.85	\$ 3,405,170.33	\$ -	\$ -
6							
7 TOTAL RURALS	414,745	219,458,148	\$ 5,725,564.73	\$ 9,875,616.66	\$ 15,601,171.39	\$ -	\$ -
8							
9 KI-ACCURIDE	4,891	1,939,260	\$ 52,407.07	\$ 73,788.84	\$ 126,195.91	\$ -	\$ -
10 KI-ALCOA	63	39,380	\$ 675.05	\$ 1,498.41	\$ 2,173.46	\$ 621.47	\$ -
11 KI-ALERIS	27,743	13,869,360	\$ 297,266.25	\$ 527,729.15	\$ 824,995.40	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	1,955	631,070	\$ 20,947.83	\$ 24,012.21	\$ 44,960.04	\$ -	\$ -
13 KI-ARMSTRONG - DOCK	10,823	4,551,340	\$ 115,968.45	\$ 173,178.49	\$ 289,146.94	\$ -	\$ 10,248.48
14 KI-ARMSTRONG - EQUALITY	3,226	1,116,310	\$ 34,566.59	\$ 42,475.60	\$ 77,042.19	\$ -	\$ 4,041.30
15 KI-ARMSTRONG - LEWIS	2,100	630,370	\$ 22,501.50	\$ 23,985.58	\$ 46,487.08	\$ -	\$ 2,014.61
16 KI-ARMSTRONG - MIDWAY	4,832	2,085,900	\$ 51,774.88	\$ 79,368.50	\$ 131,143.38	\$ -	\$ -
17 KI-DOMTAR PAPER CO.	15,000	10,672,102	\$ 160,725.00	\$ 406,073.48	\$ 566,798.48	\$ -	\$ -
18 KI-DOTIKI #3	60	18,970	\$ 642.90	\$ 721.81	\$ 1,364.71	\$ -	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	762	556,860	\$ 8,164.83	\$ 21,188.52	\$ 29,353.35	\$ 375.03	\$ -
20 KI-HOPKINS CO. COAL	139	40,510	\$ 1,489.39	\$ 1,541.41	\$ 3,030.80	\$ -	\$ -
21 KI-KIMBERLY-CLARK	38,232	26,420,290	\$ 409,655.88	\$ 1,005,292.03	\$ 1,414,947.91	\$ -	\$ -
22 KI-PENNYRILE ENERGY, LLC	3,235	1,140,460	\$ 34,663.03	\$ 43,394.50	\$ 78,057.53	\$ 2,925.20	\$ -
23 KI-PRECOAT	3,523	1,213,810	\$ 37,748.95	\$ 46,185.47	\$ 83,934.42	\$ -	\$ -
24 KI-SEBREE MINING-KMMC	167	72,060	\$ 1,789.41	\$ 2,741.88	\$ 4,531.29	\$ -	\$ -
25 KI-SEBREE MINING-STEAMPORT-ALLIED	3,513	1,374,630	\$ 37,641.80	\$ 52,304.67	\$ 89,946.47	\$ -	\$ -
26 KI-SOUTHWIRE CO.	6,683	3,936,410	\$ 71,608.35	\$ 149,780.40	\$ 221,388.75	\$ -	\$ -
27 KI-TYSON FOODS	10,912	5,918,460	\$ 116,922.08	\$ 225,197.40	\$ 342,119.48	\$ -	\$ -
28 KI-VALLEY GRAIN	2,178	1,282,170	\$ 23,337.27	\$ 48,786.57	\$ 72,123.84	\$ 2,914.48	\$ -
29							
30 SUBTOTAL INDUSTRIALS	140,037	77,509,722	\$ 1,500,496.51	\$ 2,949,244.92	\$ 4,449,741.43	\$ 6,836.18	\$ 16,304.39
31							
32 JPI-SHELL OIL	1,825	311,520	\$ 19,554.88	\$ 11,853.34	\$ 31,408.22	\$ -	\$ -
33							
34 TOTAL INDUSTRIALS	141,862	77,821,242	\$ 1,520,051.39	\$ 2,961,098.26	\$ 4,481,149.65	\$ 6,836.18	\$ 16,304.39
35							
36							
37 GRAND TOTAL	556,607	297,279,390	\$ 7,245,606.12	\$ 12,836,714.92	\$ 20,082,321.04	\$ 6,836.18	\$ 16,304.39

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Sales to Electric Utilities  
 December 2014**

	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH
1 DECEMBER 2014							
2							
3 JP RURALS	\$ 4,296,859.66	\$ 5.00	\$ 4,296,864.66	\$ 159,193.70	2.60	\$ 288,423.62	4.70
4 KENERGY RURALS	\$ 7,899,141.40	\$ -	\$ 7,899,141.40	\$ 288,730.05	2.60	\$ 530,690.27	4.77
5 MEADE CO. RURALS	\$ 3,405,170.33	\$ -	\$ 3,405,170.33	\$ 121,789.60	2.60	\$ 229,088.42	4.88
6							
7 TOTAL RURALS	\$ 15,601,171.39	\$ 5.00	\$ 15,601,176.39	\$ 569,713.35	2.60	\$ 1,048,202.31	4.78
8							
9 KI-ACCURIDE	\$ 126,195.91		\$ 126,195.91	\$ 5,034.32	2.60	\$ 8,909.43	4.59
10 KI-ALCOA	\$ 2,794.93		\$ 2,794.93	\$ 102.23	2.60	\$ 151.17	3.84
11 KI-ALERIS	\$ 824,995.40		\$ 824,995.40	\$ 36,004.86	2.60	\$ 57,790.28	4.17
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 44,960.04		\$ 44,960.04	\$ 1,638.26	2.60	\$ 3,196.99	5.07
13 KI-ARMSTRONG - DOCK	\$ 299,395.42		\$ 299,395.42	\$ 11,815.28	2.60	\$ 20,372.58	4.48
14 KI-ARMSTRONG - EQUALITY	\$ 81,083.49		\$ 81,083.49	\$ 2,897.94	2.60	\$ 5,464.95	4.90
15 KI-ARMSTRONG - LEWIS	\$ 48,501.69		\$ 48,501.69	\$ 1,636.44	2.60	\$ 3,314.02	5.26
16 KI-ARMSTRONG - MIDWAY	\$ 131,143.38		\$ 131,143.38	\$ 5,415.00	2.60	\$ 9,231.79	4.43
17 KI-DOMTAR PAPER CO.	\$ 566,798.48		\$ 566,798.48	\$ 27,704.78	2.60	\$ 39,267.81	3.68
18 KI-DOTIKI #3	\$ 1,364.71		\$ 1,364.71	\$ 49.25	2.60	\$ 97.11	5.12
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 29,728.38		\$ 29,728.38	\$ 1,446.61	2.60	\$ 2,032.01	3.65
20 KI-HOPKINS CO. COAL	\$ 3,030.80		\$ 3,030.80	\$ 105.16	2.60	\$ 216.29	5.34
21 KI-KIMBERLY-CLARK	\$ 1,414,947.91		\$ 1,414,947.91	\$ 68,587.07	2.60	\$ 98,112.03	3.71
22 KI-PENNYRILE ENERGY, LLC	\$ 80,982.73		\$ 80,982.73	\$ 2,960.63	2.60	\$ 5,533.38	4.85
23 KI-PRECOAT	\$ 83,934.42		\$ 83,934.42	\$ 3,151.05	2.60	\$ 5,954.75	4.91
24 KI-SEBREE MINING-KMMC	\$ 4,531.29		\$ 4,531.29	\$ 187.07	2.60	\$ 318.98	4.43
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 89,946.47		\$ 89,946.47	\$ 3,568.54	2.60	\$ 6,353.11	4.62
26 KI-SOUTHWIRE CO.	\$ 221,388.75		\$ 221,388.75	\$ 10,218.92	2.60	\$ 15,426.30	3.92
27 KI-TYSON FOODS	\$ 342,119.48		\$ 342,119.48	\$ 15,364.32	2.60	\$ 23,901.55	4.04
28 KI-VALLEY GRAIN	\$ 75,038.32		\$ 75,038.32	\$ 3,328.51	2.60	\$ 5,025.65	3.92
29							
30 SUBTOTAL INDUSTRIALS	\$ 4,472,882.00	\$ -	\$ 4,472,882.00	\$ 201,215.24	2.60	\$ 310,670.18	4.01
31							
32 JPI-SHELL OIL	\$ 31,408.22		\$ 31,408.22	\$ 808.71	2.60	\$ 2,282.67	7.33
33							
34 TOTAL INDUSTRIALS	\$ 4,504,290.22	\$ -	\$ 4,504,290.22	\$ 202,023.95	2.60	\$ 312,952.85	4.02
35							
36							
37 GRAND TOTAL	\$ 20,105,461.61	\$ 5.00	\$ 20,105,466.61	\$ 771,737.30	2.60	\$ 1,361,155.16	4.58

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
December 2014**

	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH
1 DECEMBER 2014							
2							
3 JP RURALS	\$ (2,888.30)	(0.05)	\$ 28,637.70	\$ -	0.47	\$ 4,770,231.38	77.79
4 KENERGY RURALS	\$ (5,238.52)	(0.05)	\$ 61,940.27	\$ -	0.47	\$ 8,765,263.47	78.81
5 MEADE CO. RURALS	\$ (2,209.66)	(0.05)	\$ 21,908.99	\$ -	0.47	\$ 3,775,747.68	80.48
6							
7 TOTAL RURALS	\$ (10,336.48)	(0.05)	\$ 102,486.96	\$ -	0.47	\$ 17,311,242.53	78.88
8							
9 KI-ACCURIDE	\$ (91.34)	(0.05)	\$ 905.63	\$ -	0.47	\$ 140,953.95	72.68
10 KI-ALCOA	\$ (1.85)	(0.05)	\$ 18.39	\$ -	0.47	\$ 3,064.87	77.83
11 KI-ALERIS	\$ (653.25)	(0.05)	\$ 6,476.99	\$ -	0.47	\$ 924,614.28	66.67
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (29.72)	(0.05)	\$ 294.71	\$ -	0.47	\$ 50,060.28	79.33
13 KI-ARMSTRONG - DOCK	\$ (214.37)	(0.05)	\$ 2,125.48	\$ -	0.47	\$ 333,494.39	73.27
14 KI-ARMSTRONG - EQUALITY	\$ (52.58)	(0.05)	\$ 521.32	\$ -	0.47	\$ 89,915.12	80.55
15 KI-ARMSTRONG - LEWIS	\$ (29.69)	(0.05)	\$ 294.38	\$ -	0.47	\$ 53,716.84	85.21
16 KI-ARMSTRONG - MIDWAY	\$ (98.25)	(0.05)	\$ 974.12	\$ -	0.47	\$ 146,666.04	70.31
17 KI-DOMTAR PAPER CO.	\$ (502.66)	(0.05)	\$ 4,983.87	\$ -	0.47	\$ 638,252.28	59.81
18 KI-DOTIKI #3	\$ (0.89)	(0.05)	\$ 8.86	\$ -	0.47	\$ 1,519.04	80.08
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (26.23)	(0.05)	\$ 260.05	\$ -	0.47	\$ 33,439.82	60.05
20 KI-HOPKINS CO. COAL	\$ (1.91)	(0.05)	\$ 18.92	\$ -	0.47	\$ 3,369.26	83.17
21 KI-KIMBERLY-CLARK	\$ (1,244.40)	(0.05)	\$ 12,338.28	\$ -	0.47	\$ 1,592,740.89	60.28
22 KI-PENNYRILE ENERGY, LLC	\$ (53.72)	(0.05)	\$ 532.59	\$ -	0.47	\$ 89,955.61	78.88
23 KI-PRECOAT	\$ (57.17)	(0.05)	\$ 566.85	\$ -	0.47	\$ 93,549.90	77.07
24 KI-SEBREE MINING-KMMC	\$ (3.39)	(0.05)	\$ 33.65	\$ -	0.47	\$ 5,067.60	70.32
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (64.75)	(0.05)	\$ 641.95	\$ -	0.47	\$ 100,445.32	73.07
26 KI-SOUTHWIRE CO.	\$ (185.40)	(0.05)	\$ 1,838.30	\$ -	0.47	\$ 248,686.87	63.18
27 KI-TYSON FOODS	\$ (278.76)	(0.05)	\$ 2,763.92	\$ -	0.47	\$ 383,870.51	64.86
28 KI-VALLEY GRAIN	\$ (60.39)	(0.05)	\$ 598.77	\$ -	0.47	\$ 83,930.86	65.46
29							
30 SUBTOTAL INDUSTRIALS	\$ (3,650.72)	(0.05)	\$ 36,197.03	\$ -	0.47	\$ 5,017,313.73	64.73
31							
32 JPI-SHELL OIL	\$ (14.67)	(0.05)	\$ 145.48	\$ -	0.47	\$ 34,630.41	111.17
33							
34 TOTAL INDUSTRIALS	\$ (3,665.39)	(0.05)	\$ 36,342.51	\$ -	0.47	\$ 5,051,944.14	64.92
35							
36							
37 GRAND TOTAL	\$ (14,001.87)	(0.05)	\$ 138,829.47	\$ -	0.47	\$ 22,363,186.67	75.23

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
December 2014**

	MRSM \$	MRSM MILLS/ KWH	CN 2013-00199 MRSM TO OFF- SET BASE RATE INCREASE	MRSM - BASE RATE CREDIT MILLS/ KWH	REVENUE \$ NET OF MRSM \$ AND BASE RATE CREDIT \$	REV NET OF MRSM AND BASE RATE CREDIT MILLS/KWH
1 DECEMBER 2014						
2						
3 JP RURALS	\$ (519,052.12)	(8.46)	(712,449.56)	(11.62)	\$ 3,538,729.70	57.71
4 KENERGY RURALS	\$ (948,981.81)	(8.53)	(1,299,007.65)	(11.68)	\$ 6,517,274.01	58.60
5 MEADE CO. RURALS	\$ (405,528.53)	(8.64)	(552,662.08)	(11.78)	\$ 2,817,557.07	60.06
6						
7 TOTAL RURALS	\$ (1,873,562.46)	(8.54)	\$ (2,564,119.29)	(11.68)	\$ 12,873,560.78	58.66
8						
9 KI-ACCURIDE	\$ (16,202.79)	(8.36)	(15,611.04)	(8.05)	\$ 109,140.12	56.28
10 KI-ALCOA	\$ (299.28)	(7.60)	(317.01)	(8.05)	\$ 2,448.58	62.18
11 KI-ALERIS	\$ (109,951.55)	(7.93)	(111,648.35)	(8.05)	\$ 703,014.38	50.69
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (5,570.39)	(8.83)	(5,080.11)	(8.05)	\$ 39,409.78	62.45
13 KI-ARMSTRONG - DOCK	\$ (37,489.71)	(8.24)	(36,638.29)	(8.05)	\$ 259,366.39	56.99
14 KI-ARMSTRONG - EQUALITY	\$ (9,663.28)	(8.66)	(8,986.30)	(8.05)	\$ 71,265.54	63.84
15 KI-ARMSTRONG - LEWIS	\$ (5,684.78)	(9.02)	(5,074.48)	(8.05)	\$ 42,957.58	68.15
16 KI-ARMSTRONG - MIDWAY	\$ (17,076.65)	(8.19)	(16,791.50)	(8.05)	\$ 112,797.89	54.08
17 KI-DOMTAR PAPER CO.	\$ (79,404.52)	(7.44)	(85,910.42)	(8.05)	\$ 472,937.34	44.32
18 KI-DOTIKI #3	\$ (168.46)	(8.88)	(152.71)	(8.05)	\$ 1,197.87	63.15
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (4,126.30)	(7.41)	(4,482.72)	(8.05)	\$ 24,830.80	44.59
20 KI-HOPKINS CO. COAL	\$ (368.64)	(9.10)	(326.11)	(8.05)	\$ 2,674.51	66.02
21 KI-KIMBERLY-CLARK	\$ (197,476.09)	(7.47)	(212,683.33)	(8.05)	\$ 1,182,581.47	44.76
22 KI-PENNYRILE ENERGY, LLC	\$ (9,822.53)	(8.61)	(9,180.70)	(8.05)	\$ 70,952.38	62.21
23 KI-PRECOAT	\$ (10,519.77)	(8.67)	(9,771.17)	(8.05)	\$ 73,258.96	60.35
24 KI-SEBREE MINING-KMMC	\$ (590.00)	(8.19)	(580.08)	(8.05)	\$ 3,897.52	54.09
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (11,522.95)	(8.38)	(11,065.77)	(8.05)	\$ 77,856.60	56.64
26 KI-SOUTHWIRE CO.	\$ (30,230.75)	(7.68)	(31,688.10)	(8.05)	\$ 186,768.02	47.45
27 KI-TYSON FOODS	\$ (46,160.28)	(7.80)	(47,643.60)	(8.05)	\$ 290,066.63	49.01
28 KI-VALLEY GRAIN	\$ (9,847.76)	(7.68)	(10,321.47)	(8.05)	\$ 63,761.63	49.73
29						
30 SUBTOTAL INDUSTRIALS	\$ (602,176.48)	(7.77)	\$ (623,953.26)	(8.05)	\$ 3,791,183.99	48.91
31						
32 JPI-SHELL OIL	\$ (3,454.27)	(11.09)	(2,507.74)	(8.05)	\$ 28,668.40	92.03
33						
34 TOTAL INDUSTRIALS	\$ (605,630.75)	(7.78)	\$ (626,461.00)	(8.05)	\$ 3,819,852.39	49.08
35						
36						
37 GRAND TOTAL	\$ (2,479,193.21)	(8.34)	\$ (3,190,580.29)	(10.73)	\$ 16,693,413.17	56.15

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
January 2015**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PPF) \$	BILLING ADJ
1 JANUARY 2015							
2							
3 JP RURALS	148,977	68,426,350	\$ 2,056,627.49	\$ 3,079,185.75	\$ 5,135,813.24	\$ -	\$ -
4 KENERGY RURALS	283,049	125,072,249	\$ 3,907,491.45	\$ 5,628,251.21	\$ 9,535,742.66	\$ -	\$ -
5 MEADE CO. RURALS	135,790	55,320,080	\$ 1,874,580.95	\$ 2,489,403.60	\$ 4,363,984.55	\$ -	\$ -
6							
7 TOTAL RURALS	567,816	248,818,679	\$ 7,838,699.89	\$ 11,196,840.56	\$ 19,035,540.45	\$ -	\$ -
8							
9 KI-ACCURIDE	4,914	2,197,710	\$ 52,653.51	\$ 83,622.87	\$ 136,276.38	\$ -	\$ -
10 KI-ALCOA	68	41,000	\$ 728.62	\$ 1,560.05	\$ 2,288.67	\$ 792.91	\$ -
11 KI-ALERIS	28,481	15,632,180	\$ 305,173.92	\$ 594,804.45	\$ 899,978.37	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,197	703,450	\$ 23,540.86	\$ 26,766.27	\$ 50,307.13	\$ -	\$ -
13 KI-ARMSTRONG - DOCK	11,094	5,216,350	\$ 118,872.21	\$ 198,482.12	\$ 317,354.33	\$ -	\$ 9,404.04
14 KI-ARMSTRONG - EQUALITY	2,961	1,323,250	\$ 31,727.12	\$ 50,349.66	\$ 82,076.78	\$ -	\$ 2,771.40
15 KI-ARMSTRONG - LEWIS	2,100	852,870	\$ 22,501.50	\$ 32,451.70	\$ 54,953.20	\$ -	\$ 2,174.47
16 KI-ARMSTRONG - MIDWAY	4,775	2,093,830	\$ 51,164.13	\$ 79,670.23	\$ 130,834.36	\$ -	\$ -
17 KI-DOMTAR PAPER CO.	15,000	10,505,272	\$ 160,725.00	\$ 399,725.60	\$ 560,450.60	\$ -	\$ -
18 KI-DOTIKI #3	60	20,430	\$ 642.90	\$ 777.36	\$ 1,420.26	\$ -	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	762	556,280	\$ 8,164.83	\$ 21,166.45	\$ 29,331.28	\$ 278.59	\$ -
20 KI-HOPKINS CO. COAL	120	54,710	\$ 1,285.80	\$ 2,081.72	\$ 3,367.52	\$ -	\$ -
21 KI-KIMBERLY-CLARK	37,282	26,521,980	\$ 399,476.63	\$ 1,009,161.34	\$ 1,408,637.97	\$ -	\$ -
22 KI-PENNYRILE ENERGY, LLC	4,200	1,442,090	\$ 45,003.00	\$ 54,871.52	\$ 99,874.52	\$ 717.91	\$ -
23 KI-PRECOAT	3,682	1,317,460	\$ 39,452.63	\$ 50,129.35	\$ 89,581.98	\$ -	\$ -
24 KI-SEBREE MINING-KMMC	170	79,720	\$ 1,821.55	\$ 3,033.35	\$ 4,854.90	\$ -	\$ -
25 KI-SEBREE MINING-STEAMPORT-ALLIED	3,694	1,568,830	\$ 39,581.21	\$ 59,693.98	\$ 99,275.19	\$ -	\$ -
26 KI-SOUTHWIRE CO.	6,910	4,236,870	\$ 74,040.65	\$ 161,212.90	\$ 235,253.55	\$ -	\$ -
27 KI-TYSON FOODS	10,582	6,224,710	\$ 113,386.13	\$ 236,850.22	\$ 350,236.35	\$ -	\$ -
28 KI-VALLEY GRAIN	2,269	1,286,090	\$ 24,312.34	\$ 48,935.72	\$ 73,248.06	\$ 3,043.06	\$ -
29							
30 SUBTOTAL INDUSTRIALS	141,321	81,875,082	\$ 1,514,254.54	\$ 3,115,346.86	\$ 4,629,601.40	\$ 4,832.47	\$ 14,349.91
31							
32 JPI-SHELL OIL	1,858	445,650	\$ 19,908.47	\$ 16,956.98	\$ 36,865.45	\$ -	\$ -
33							
34 TOTAL INDUSTRIALS	143,179	82,320,732	\$ 1,534,163.01	\$ 3,132,303.84	\$ 4,666,466.85	\$ 4,832.47	\$ 14,349.91
35							
36							
37 GRAND TOTAL	710,995	331,139,411	\$ 9,372,862.90	\$ 14,329,144.40	\$ 23,702,007.30	\$ 4,832.47	\$ 14,349.91

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
January 2015**

	DEMAND \$ ENERGY \$ AND PPP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PPP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH
1 JANUARY 2015							
2							
3 JP RURALS	\$ 5,135,813.24	\$ 5.00	\$ 5,135,813.24	\$ 106,060.84	1.55	\$ 335,944.80	4.91
4 KENERGY RURALS	\$ 9,535,742.66	\$ -	\$ 9,535,742.66	\$ 193,861.99	1.55	\$ 624,510.27	4.99
5 MEADE CO. RURALS	\$ 4,363,984.55	\$ -	\$ 4,363,984.55	\$ 85,746.12	1.55	\$ 286,538.44	5.18
6							
7 TOTAL RURALS	\$ 19,035,540.45	\$ 5.00	\$ 19,035,540.45	\$ 385,668.96	1.55	\$ 1,246,993.51	5.01
8							
9 KI-ACCURIDE	\$ 136,276.38		\$ 136,276.38	\$ 3,406.45	1.55	\$ 9,272.77	4.22
10 KI-ALCOA	\$ 3,081.58		\$ 3,081.58	\$ 63.55	1.55	\$ 153.87	3.75
11 KI-ALERIS	\$ 899,978.37		\$ 899,978.37	\$ 24,229.88	1.55	\$ 60,729.40	3.88
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 50,307.13		\$ 50,307.13	\$ 1,090.35	1.55	\$ 3,472.13	4.94
13 KI-ARMSTRONG - DOCK	\$ 326,758.37		\$ 326,758.37	\$ 8,085.34	1.55	\$ 21,549.25	4.13
14 KI-ARMSTRONG - EQUALITY	\$ 84,848.18		\$ 84,848.18	\$ 2,051.04	1.55	\$ 5,585.00	4.22
15 KI-ARMSTRONG - LEWIS	\$ 57,127.67		\$ 57,127.67	\$ 1,321.95	1.55	\$ 3,754.39	4.40
16 KI-ARMSTRONG - MIDWAY	\$ 130,834.36		\$ 130,834.36	\$ 3,246.44	1.55	\$ 8,909.80	4.26
17 KI-DOMTAR PAPER CO.	\$ 560,450.60		\$ 560,450.60	\$ 16,283.17	1.55	\$ 37,468.10	3.57
18 KI-DOTIKI #3	\$ 1,420.26		\$ 1,420.26	\$ 31.67	1.55	\$ 97.77	4.79
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 29,609.87		\$ 29,609.87	\$ 862.23	1.55	\$ 1,957.95	3.52
20 KI-HOPKINS CO. COAL	\$ 3,367.52		\$ 3,367.52	\$ 84.80	1.55	\$ 228.96	4.18
21 KI-KIMBERLY-CLARK	\$ 1,408,637.97		\$ 1,408,637.97	\$ 41,109.07	1.55	\$ 94,118.76	3.55
22 KI-PENNYRILE ENERGY, LLC	\$ 100,592.43		\$ 100,592.43	\$ 2,235.24	1.55	\$ 6,872.50	4.77
23 KI-PRECOAT	\$ 89,581.98		\$ 89,581.98	\$ 2,042.06	1.55	\$ 6,153.35	4.67
24 KI-SEBREE MINING-KMMC	\$ 4,854.90		\$ 4,854.90	\$ 123.57	1.55	\$ 329.70	4.14
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 99,275.19		\$ 99,275.19	\$ 2,431.69	1.55	\$ 6,769.69	4.32
26 KI-SOUTHWIRE CO.	\$ 235,253.55		\$ 235,253.55	\$ 6,567.15	1.55	\$ 15,806.11	3.73
27 KI-TYSON FOODS	\$ 350,236.35		\$ 350,236.35	\$ 9,648.30	1.55	\$ 23,569.26	3.79
28 KI-VALLEY GRAIN	\$ 76,291.12		\$ 76,291.12	\$ 1,993.44	1.55	\$ 4,936.41	3.84
29							
30 SUBTOTAL INDUSTRIALS	\$ 4,648,783.78	\$ -	\$ 4,648,783.78	\$ 126,906.39	1.55	\$ 311,735.17	3.81
31							
32 JPI-SHELL OIL	\$ 36,865.45		\$ 36,865.45	\$ 690.76	1.55	\$ 2,576.17	5.78
33							
34 TOTAL INDUSTRIALS	\$ 4,685,649.23	\$ -	\$ 4,685,649.23	\$ 127,597.15	1.55	\$ 314,311.34	3.82
35							
36							
37 GRAND TOTAL	\$ 23,721,189.68	\$ 5.00	\$ 23,721,194.68	\$ 513,266.10	1.55	\$ 1,561,304.85	4.71

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
January 2015**

	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH
1 JANUARY 2015							
2							
3 JP RURALS	\$ -	0.00	\$ 31,955.11	\$ -	0.47	\$ 5,609,778.99	81.98
4 KENERGY RURALS	\$ -	0.00	\$ 58,408.74	\$ -	0.47	\$ 10,412,523.66	83.25
5 MEADE CO. RURALS	\$ -	0.00	\$ 25,834.48	\$ -	0.47	\$ 4,762,103.69	86.08
6							
7 TOTAL RURALS	\$ -	0.00	\$ 116,198.33	\$ -	0.47	\$ 20,784,406.24	83.53
8							
9 KI-ACCURIDE	\$ -	0.00	\$ 1,026.33	\$ -	0.47	\$ 149,981.93	68.24
10 KI-ALCOA	\$ -	0.00	\$ 19.15	\$ -	0.47	\$ 3,318.15	80.93
11 KI-ALERIS	\$ -	0.00	\$ 7,300.23	\$ -	0.47	\$ 992,237.88	63.47
12 KI-AMG ALUMINUM NORTH AMERICA	\$ -	0.00	\$ 328.51	\$ -	0.47	\$ 55,198.12	78.47
13 KI-ARMSTRONG - DOCK	\$ -	0.00	\$ 2,436.04	\$ -	0.47	\$ 358,829.00	68.79
14 KI-ARMSTRONG - EQUALITY	\$ -	0.00	\$ 617.96	\$ -	0.47	\$ 93,102.18	70.36
15 KI-ARMSTRONG - LEWIS	\$ -	0.00	\$ 398.29	\$ -	0.47	\$ 62,602.30	73.40
16 KI-ARMSTRONG - MIDWAY	\$ -	0.00	\$ 977.82	\$ -	0.47	\$ 143,967.42	68.76
17 KI-DOMTAR PAPER CO.	\$ -	0.00	\$ 4,905.96	\$ -	0.47	\$ 619,107.83	58.93
18 KI-DOTIKI #3	\$ -	0.00	\$ 9.54	\$ -	0.47	\$ 1,559.24	76.32
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ -	0.00	\$ 259.78	\$ -	0.47	\$ 32,689.83	58.77
20 KI-HOPKINS CO. COAL	\$ -	0.00	\$ 25.55	\$ -	0.47	\$ 3,706.83	67.75
21 KI-KIMBERLY-CLARK	\$ -	0.00	\$ 12,385.76	\$ -	0.47	\$ 1,556,251.56	58.68
22 KI-PENNYRILE ENERGY, LLC	\$ -	0.00	\$ 673.46	\$ -	0.47	\$ 110,373.63	76.54
23 KI-PRECOAT	\$ -	0.00	\$ 615.25	\$ -	0.47	\$ 98,392.64	74.68
24 KI-SEBREE MINING-KMMC	\$ -	0.00	\$ 37.23	\$ -	0.47	\$ 5,345.40	67.05
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ -	0.00	\$ 732.64	\$ -	0.47	\$ 109,209.21	69.61
26 KI-SOUTHWIRE CO.	\$ -	0.00	\$ 1,978.62	\$ -	0.47	\$ 259,605.43	61.27
27 KI-TYSON FOODS	\$ -	0.00	\$ 2,906.94	\$ -	0.47	\$ 386,360.85	62.07
28 KI-VALLEY GRAIN	\$ -	0.00	\$ 600.60	\$ -	0.47	\$ 83,821.57	65.18
29							
30 SUBTOTAL INDUSTRIALS	\$ -	0.00	\$ 38,235.66	\$ -	0.47	\$ 5,125,661.00	62.60
31							
32 JPI-SHELL OIL	\$ -	0.00	\$ 208.12	\$ -	0.47	\$ 40,340.50	90.52
33							
34 TOTAL INDUSTRIALS	\$ -	0.00	\$ 38,443.78	\$ -	0.47	\$ 5,166,001.50	62.75
35							
36							
37 GRAND TOTAL	\$ -	0.00	\$ 154,642.11	\$ -	0.47	\$ 25,950,407.74	78.37

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
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	MRS MILLS/ KWH	CN 2013-00199 MRS MILLS/ KWH	BASE RATE INCREASE	MRS MILLS/ KWH	REVENUE \$ NET OF MRS \$ AND BASE RATE CREDIT \$	REV NET OF MRS MILLS/ KWH
1 JANUARY 2015						
2						
3 JP RURALS	\$ (524,938.37)	(7.67)	(817,002.00)	(11.94)	\$ 4,267,838.62	62.37
4 KENERGY RURALS	\$ (969,959.82)	(7.76)	(1,502,919.14)	(12.02)	\$ 7,939,644.70	63.48
5 MEADE CO. RURALS	\$ (439,332.49)	(7.94)	(674,189.68)	(12.19)	\$ 3,648,581.42	65.95
6						
7 TOTAL RURALS	\$ (1,934,230.68)	(7.77)	\$ (2,994,110.82)	(12.03)	\$ 15,856,064.74	63.73
8						
9 KI-ACCURIDE	\$ (15,342.84)	(6.98)	(17,691.57)	(8.05)	\$ 116,947.52	53.21
10 KI-ALCOA	\$ (267.11)	(6.51)	(330.05)	(8.05)	\$ 2,720.99	66.37
11 KI-ALERIS	\$ (103,905.48)	(6.65)	(125,839.05)	(8.05)	\$ 762,493.35	48.78
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (5,415.06)	(7.70)	(5,662.77)	(8.05)	\$ 44,120.29	62.72
13 KI-ARMSTRONG - DOCK	\$ (35,956.81)	(6.89)	(41,991.62)	(8.05)	\$ 280,880.57	53.85
14 KI-ARMSTRONG - EQUALITY	\$ (9,239.82)	(6.98)	(10,652.16)	(8.05)	\$ 73,210.20	55.33
15 KI-ARMSTRONG - LEWIS	\$ (6,110.02)	(7.16)	(6,865.60)	(8.05)	\$ 49,626.68	58.19
16 KI-ARMSTRONG - MIDWAY	\$ (14,692.96)	(7.02)	(16,855.33)	(8.05)	\$ 112,419.13	53.69
17 KI-DOMTAR PAPER CO.	\$ (66,483.66)	(6.33)	(84,567.44)	(8.05)	\$ 468,056.73	44.55
18 KI-DOTIKI #3	\$ (154.20)	(7.55)	(164.46)	(8.05)	\$ 1,240.58	60.72
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (3,494.39)	(6.28)	(4,478.05)	(8.05)	\$ 24,717.39	44.43
20 KI-HOPKINS CO. COAL	\$ (380.07)	(6.95)	(440.42)	(8.05)	\$ 2,886.34	52.76
21 KI-KIMBERLY-CLARK	\$ (167,372.47)	(6.31)	(213,501.94)	(8.05)	\$ 1,175,377.15	44.32
22 KI-PENNYRILE ENERGY, LLC	\$ (10,855.55)	(7.53)	(11,608.82)	(8.05)	\$ 87,909.26	60.96
23 KI-PRECOAT	\$ (9,792.17)	(7.43)	(10,605.55)	(8.05)	\$ 77,994.92	59.20
24 KI-SEBREE MINING-KMMC	\$ (549.89)	(6.90)	(641.75)	(8.05)	\$ 4,153.76	52.10
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (11,102.80)	(7.08)	(12,629.08)	(8.05)	\$ 85,477.33	54.48
26 KI-SOUTHWIRE CO.	\$ (27,508.35)	(6.49)	(34,106.80)	(8.05)	\$ 197,990.23	46.73
27 KI-TYSON FOODS	\$ (40,761.91)	(6.55)	(50,108.92)	(8.05)	\$ 295,490.02	47.47
28 KI-VALLEY GRAIN	\$ (8,488.59)	(6.60)	(10,353.02)	(8.05)	\$ 64,979.96	50.53
29						
30 SUBTOTAL INDUSTRIALS	\$ (537,874.15)	(6.57)	\$ (659,094.40)	(8.05)	\$ 3,928,692.45	47.98
31						
32 JPI-SHELL OIL	\$ (3,807.06)	(8.54)	(3,587.48)	(8.05)	\$ 32,945.96	73.93
33						
34 TOTAL INDUSTRIALS	\$ (541,681.21)	(6.58)	\$ (662,681.88)	(8.05)	\$ 3,961,638.41	48.12
35						
36						
37 GRAND TOTAL	\$ (2,475,911.89)	(7.48)	\$ (3,656,792.70)	(11.04)	\$ 19,817,703.15	59.55

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
February 2015**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 FEBRUARY 2015							
2							
3 JP RURALS	144,146	67,810,670	\$ 1,989,935.53	\$ 3,051,480.15	\$ 5,041,415.68	\$ -	\$ -
4 KENERGY RURALS	275,961	124,521,332	\$ 3,809,641.61	\$ 5,603,459.94	\$ 9,413,101.55	\$ -	\$ -
5 MEADE CO. RURALS	137,095	55,256,690	\$ 1,892,596.48	\$ 2,486,551.05	\$ 4,379,147.53	\$ -	\$ -
6							
7 TOTAL RURALS	557,202	247,588,692	\$ 7,692,173.62	\$ 11,141,491.14	\$ 18,833,664.76	\$ -	\$ -
8							
9 KI-ACCURIDE	4,899	1,998,730	\$ 52,492.79	\$ 76,051.68	\$ 128,544.47	\$ -	\$ -
10 KI-ALCOA	70	38,140	\$ 750.05	\$ 1,451.23	\$ 2,201.28	\$ 782.20	\$ -
11 KI-ALERIS	27,980	14,292,460	\$ 299,805.70	\$ 543,828.10	\$ 843,633.80	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	1,991	702,310	\$ 21,333.57	\$ 26,722.90	\$ 48,056.47	\$ -	\$ -
13 KI-ARMSTRONG - DOCK	10,880	4,696,260	\$ 116,579.20	\$ 178,692.69	\$ 295,271.89	\$ -	\$ 7,265.86
14 KI-ARMSTRONG - EQUALITY	3,043	1,287,950	\$ 32,605.75	\$ 49,006.50	\$ 81,612.25	\$ -	\$ 3,387.40
15 KI-ARMSTRONG - LEWIS	2,100	821,280	\$ 22,501.50	\$ 31,249.70	\$ 53,751.20	\$ -	\$ 1,196.21
16 KI-ARMSTRONG - MIDWAY	5,075	1,937,910	\$ 54,378.63	\$ 73,737.48	\$ 128,116.11	\$ -	\$ -
17 KI-DOMTAR PAPER CO.	15,000	9,718,270	\$ 160,725.00	\$ 369,780.17	\$ 530,505.17	\$ -	\$ -
18 KI-DOTIKI #3	60	15,730	\$ 642.90	\$ 598.53	\$ 1,241.43	\$ -	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	756	497,740	\$ 8,100.54	\$ 18,939.01	\$ 27,039.55	\$ 182.16	\$ -
20 KI-HOPKINS CO. COAL	151	60,860	\$ 1,617.97	\$ 2,315.72	\$ 3,933.69	\$ -	\$ -
21 KI-KIMBERLY-CLARK	37,109	22,861,170	\$ 397,622.94	\$ 869,867.52	\$ 1,267,490.46	\$ -	\$ -
22 KI-PENNYRILE ENERGY, LLC	4,200	1,475,010	\$ 45,003.00	\$ 56,124.13	\$ 101,127.13	\$ 417.89	\$ -
23 KI-PRECOAT	3,606	1,391,540	\$ 38,638.29	\$ 52,948.10	\$ 91,586.39	\$ -	\$ -
24 KI-SEBREE MINING-KMMC	173	75,580	\$ 1,853.70	\$ 2,875.82	\$ 4,729.52	\$ -	\$ -
25 KI-SEBREE MINING-STEAMPORT-ALLIED	3,733	1,498,600	\$ 39,999.10	\$ 57,021.73	\$ 97,020.83	\$ -	\$ -
26 KI-SOUTHWIRE CO.	7,001	3,908,390	\$ 75,015.72	\$ 148,714.24	\$ 223,729.96	\$ -	\$ -
27 KI-TYSON FOODS	10,783	5,425,440	\$ 115,539.85	\$ 206,437.99	\$ 321,977.84	\$ -	\$ -
28 KI-VALLEY GRAIN	2,170	1,123,609	\$ 23,251.55	\$ 42,753.32	\$ 66,004.87	\$ 2,903.77	\$ -
29							
30 SUBTOTAL INDUSTRIALS	140,780	73,826,979	\$ 1,508,457.75	\$ 2,809,116.56	\$ 4,317,574.31	\$ 4,286.02	\$ 11,848.97
31							
32 JPI-SHELL OIL	1,760	450,400	\$ 18,858.40	\$ 17,137.72	\$ 35,996.12	\$ -	\$ -
33							
34 TOTAL INDUSTRIALS	142,540	74,277,379	\$ 1,527,316.15	\$ 2,826,254.28	\$ 4,353,570.43	\$ 4,286.02	\$ 11,848.97
35							
36							
37 GRAND TOTAL	699,742	321,866,071	\$ 9,219,489.77	\$ 13,967,745.42	\$ 23,187,235.19	\$ 4,286.02	\$ 11,848.97

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
February 2015**

	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH
1 FEBRUARY 2015							
2							
3 JP RURALS	\$ 5,041,415.68	\$ 5.00	\$ 5,041,420.68	\$ 169,187.62	2.49	\$ 341,027.00	5.03
4 KENERGY RURALS	\$ 9,413,101.56	\$ -	\$ 9,413,101.56	\$ 310,680.72	2.49	\$ 637,414.80	5.12
5 MEADE CO. RURALS	\$ 4,379,147.53	\$ -	\$ 4,379,147.53	\$ 137,865.44	2.49	\$ 297,386.51	5.38
6							
7 TOTAL RURALS	\$ 18,833,664.76	\$ 5.00	\$ 18,833,669.76	\$ 617,733.78	2.49	\$ 1,275,828.31	5.15
8							
9 KI-ACCURIDE	\$ 128,544.47		\$ 128,544.47	\$ 4,986.83	2.49	\$ 9,100.88	4.55
10 KI-ALCOA	\$ 2,983.48		\$ 2,983.48	\$ 95.16	2.50	\$ 154.32	4.05
11 KI-ALERIS	\$ 843,633.80		\$ 843,633.80	\$ 35,659.69	2.50	\$ 59,269.25	4.15
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 48,066.47		\$ 48,066.47	\$ 1,752.26	2.49	\$ 3,419.94	4.87
13 KI-ARMSTRONG - DOCK	\$ 302,537.25		\$ 302,537.25	\$ 11,717.17	2.50	\$ 20,863.98	4.44
14 KI-ARMSTRONG - EQUALITY	\$ 84,999.65		\$ 84,999.65	\$ 3,213.44	2.50	\$ 5,770.68	4.48
15 KI-ARMSTRONG - LEWIS	\$ 54,947.41		\$ 54,947.41	\$ 2,049.09	2.49	\$ 3,811.23	4.64
16 KI-ARMSTRONG - MIDWAY	\$ 128,116.11		\$ 128,116.11	\$ 4,835.09	2.50	\$ 9,091.74	4.69
17 KI-DOMTAR PAPER CO.	\$ 530,505.17		\$ 530,505.17	\$ 24,247.08	2.49	\$ 36,984.66	3.81
18 KI-DOTIKI #3	\$ 1,241.43		\$ 1,241.43	\$ 39.25	2.50	\$ 89.29	5.68
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 27,221.71		\$ 27,221.71	\$ 1,241.86	2.49	\$ 1,884.15	3.79
20 KI-HOPKINS CO. COAL	\$ 3,933.69		\$ 3,933.69	\$ 151.85	2.50	\$ 278.62	4.58
21 KI-KIMBERLY-CLARK	\$ 1,267,490.46		\$ 1,267,490.46	\$ 57,038.62	2.50	\$ 88,504.26	3.87
22 KI-PENNYRILE ENERGY, LLC	\$ 101,545.02		\$ 101,545.02	\$ 3,680.15	2.50	\$ 7,197.85	4.88
23 KI-PRECOAT	\$ 91,586.39		\$ 91,586.39	\$ 3,471.89	2.49	\$ 6,496.99	4.67
24 KI-SEBREE MINING-KMMC	\$ 4,729.52		\$ 4,729.52	\$ 188.57	2.49	\$ 334.05	4.42
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 97,020.83		\$ 97,020.83	\$ 3,739.01	2.50	\$ 6,872.92	4.59
26 KI-SOUTHWIRE CO.	\$ 223,729.96		\$ 223,729.96	\$ 9,751.43	2.49	\$ 15,671.90	4.01
27 KI-TYSON FOODS	\$ 321,977.84		\$ 321,977.84	\$ 13,536.47	2.49	\$ 22,631.95	4.17
28 KI-VALLEY GRAIN	\$ 68,908.64		\$ 68,908.64	\$ 2,803.40	2.49	\$ 4,635.05	4.13
29							
30 SUBTOTAL INDUSTRIALS	\$ 4,333,709.30	\$ -	\$ 4,333,709.30	\$ 184,198.31	2.49	\$ 303,063.71	4.11
31							
32 JPI-SHELL OIL	\$ 35,996.12		\$ 35,996.12	\$ 1,123.75	2.50	\$ 2,591.26	5.75
33							
34 TOTAL INDUSTRIALS	\$ 4,369,705.42	\$ -	\$ 4,369,705.42	\$ 185,322.06	2.49	\$ 305,654.97	4.12
35							
36							
37 GRAND TOTAL	\$ 23,203,370.18	\$ 5.00	\$ 23,203,375.18	\$ 803,055.84	2.49	\$ 1,581,483.28	4.91

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
February 2015**

	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH
1 FEBRUARY 2015							
2							
3 JP RURALS	\$ -	0.00	\$ 31,667.58	\$ -	0.47	\$ 5,583,302.88	82.34
4 KENERGY RURALS	\$ -	0.00	\$ 58,151.46	\$ -	0.47	\$ 10,419,348.53	83.68
5 MEADE CO. RURALS	\$ -	0.00	\$ 25,804.87	\$ -	0.47	\$ 4,840,204.35	87.59
6							
7 TOTAL RURALS	\$ -	0.00	\$ 115,623.91	\$ -	0.47	\$ 20,842,855.76	84.18
8							
9 KI-ACCURIDE	\$ -	0.00	\$ 933.41	\$ -	0.47	\$ 143,565.59	71.83
10 KI-ALCOA	\$ -	0.00	\$ 17.81	\$ -	0.47	\$ 3,250.77	85.23
11 KI-ALERIS	\$ -	0.00	\$ 6,674.58	\$ -	0.47	\$ 945,237.32	66.14
12 KI-AMG ALUMINUM NORTH AMERICA	\$ -	0.00	\$ 327.98	\$ -	0.47	\$ 53,556.65	76.26
13 KI-ARMSTRONG - DOCK	\$ -	0.00	\$ 2,193.15	\$ -	0.47	\$ 337,311.55	71.83
14 KI-ARMSTRONG - EQUALITY	\$ -	0.00	\$ 601.47	\$ -	0.47	\$ 94,585.24	73.44
15 KI-ARMSTRONG - LEWIS	\$ -	0.00	\$ 383.54	\$ -	0.47	\$ 61,191.27	74.51
16 KI-ARMSTRONG - MIDWAY	\$ -	0.00	\$ 905.00	\$ -	0.47	\$ 142,947.94	73.76
17 KI-DOMTAR PAPER CO.	\$ -	0.00	\$ 4,538.43	\$ -	0.47	\$ 596,275.34	61.36
18 KI-DOTIKI #3	\$ -	0.00	\$ 7.35	\$ -	0.47	\$ 1,377.32	87.56
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ -	0.00	\$ 232.44	\$ -	0.47	\$ 30,580.16	61.44
20 KI-HOPKINS CO. COAL	\$ -	0.00	\$ 28.42	\$ -	0.47	\$ 4,392.58	72.18
21 KI-KIMBERLY-CLARK	\$ -	0.00	\$ 10,676.17	\$ -	0.47	\$ 1,423,709.51	62.28
22 KI-PENNYRILE ENERGY, LLC	\$ -	0.00	\$ 688.83	\$ -	0.47	\$ 113,111.85	76.69
23 KI-PRECOAT	\$ -	0.00	\$ 649.85	\$ -	0.47	\$ 102,205.12	73.45
24 KI-SEBREE MINING-KMMC	\$ -	0.00	\$ 35.30	\$ -	0.47	\$ 5,287.44	69.96
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ -	0.00	\$ 699.85	\$ -	0.47	\$ 108,332.61	72.29
26 KI-SOUTHWIRE CO.	\$ -	0.00	\$ 1,825.22	\$ -	0.47	\$ 250,978.51	64.22
27 KI-TYSON FOODS	\$ -	0.00	\$ 2,533.68	\$ -	0.47	\$ 360,679.94	66.48
28 KI-VALLEY GRAIN	\$ -	0.00	\$ 524.73	\$ -	0.47	\$ 76,871.82	68.42
29							
30 SUBTOTAL INDUSTRIALS	\$ -	0.00	\$ 34,477.21	\$ -	0.47	\$ 4,855,448.53	65.77
31							
32 JPI-SHELL OIL	\$ -	0.00	\$ 210.34	\$ -	0.47	\$ 39,921.47	88.64
33							
34 TOTAL INDUSTRIALS	\$ -	0.00	\$ 34,687.55	\$ -	0.47	\$ 4,895,370.00	65.91
35							
36							
37 GRAND TOTAL	\$ -	0.00	\$ 150,311.46	\$ -	0.47	\$ 25,738,225.76	79.97

Case No. 2015-00237

Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

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**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
February 2015**

	MRSM \$	MRSM MILLS/ KWH	CN 2013-00199 MRSM TO OFF- SET BASE RATE INCREASE	MRSM - BASE RATE CREDIT MILLS/ KWH	REVENUE \$ NET OF MRSM \$ AND BASE RATE CREDIT \$	REV NET OF MRSM AND BASE RATE CREDIT MILLS/KWH
1 FEBRUARY 2015						
2						
3 JP RURALS	\$ (592,401.14)	(8.74)	(806,540.78)	(11.89)	\$ 4,184,360.96	61.71
4 KENERGY RURALS	\$ (1,099,015.36)	(8.83)	(1,491,094.57)	(11.97)	\$ 7,829,238.60	62.87
5 MEADE CO. RURALS	\$ (502,223.05)	(9.09)	(674,718.54)	(12.21)	\$ 3,663,262.76	66.30
6						
7 TOTAL RURALS	\$ (2,193,639.55)	(8.86)	\$ (2,972,353.89)	(12.01)	\$ 15,676,862.32	63.32
8						
9 KI-ACCURIDE	\$ (16,510.17)	(8.26)	(16,089.78)	(8.05)	\$ 110,965.64	55.52
10 KI-ALCOA	\$ (295.71)	(7.75)	(307.03)	(8.05)	\$ 2,648.03	69.43
11 KI-ALERIS	\$ (112,251.40)	(7.85)	(115,054.30)	(8.05)	\$ 717,931.62	50.23
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (6,023.40)	(8.58)	(5,653.60)	(8.05)	\$ 41,879.65	59.63
13 KI-ARMSTRONG - DOCK	\$ (38,273.02)	(8.15)	(37,804.89)	(8.05)	\$ 261,233.64	55.63
14 KI-ARMSTRONG - EQUALITY	\$ (10,545.12)	(8.19)	(10,368.00)	(8.05)	\$ 73,672.12	57.20
15 KI-ARMSTRONG - LEWIS	\$ (6,855.71)	(8.35)	(6,611.30)	(8.05)	\$ 47,724.26	58.11
16 KI-ARMSTRONG - MIDWAY	\$ (16,275.58)	(8.40)	(15,600.18)	(8.05)	\$ 111,072.18	57.32
17 KI-DOMTAR PAPER CO.	\$ (73,010.28)	(7.51)	(78,232.07)	(8.05)	\$ 445,032.99	45.79
18 KI-DOTIKI #3	\$ (147.60)	(9.38)	(126.63)	(8.05)	\$ 1,103.09	70.13
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (3,729.27)	(7.49)	(4,006.81)	(8.05)	\$ 22,844.08	45.90
20 KI-HOPKINS CO. COAL	\$ (604.23)	(8.29)	(489.92)	(8.05)	\$ 3,398.43	55.84
21 KI-KIMBERLY-CLARK	\$ (173,250.62)	(7.58)	(184,032.42)	(8.05)	\$ 1,066,426.47	46.65
22 KI-PENNYRILE ENERGY, LLC	\$ (12,665.71)	(8.59)	(11,873.83)	(8.05)	\$ 88,572.31	60.05
23 KI-PRECOAT	\$ (11,655.43)	(8.38)	(11,201.90)	(8.05)	\$ 79,347.79	57.02
24 KI-SEBREE MINING-KMMC	\$ (614.22)	(8.13)	(608.42)	(8.05)	\$ 4,064.80	53.78
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (12,428.23)	(8.29)	(12,063.73)	(8.05)	\$ 83,840.65	55.95
26 KI-SOUTHWIRE CO.	\$ (30,160.30)	(7.72)	(31,462.54)	(8.05)	\$ 189,355.67	48.45
27 KI-TYSON FOODS	\$ (42,744.05)	(7.88)	(43,674.79)	(8.05)	\$ 274,261.10	50.55
28 KI-VALLEY GRAIN	\$ (8,800.27)	(7.83)	(9,045.05)	(8.05)	\$ 59,026.50	52.53
29						
30 SUBTOTAL INDUSTRIALS	\$ (576,740.32)	(7.81)	\$ (594,307.19)	(8.05)	\$ 3,684,401.02	49.91
31						
32 JPI-SHELL OIL	\$ (4,260.89)	(9.46)	(3,625.72)	(8.05)	\$ 32,034.86	71.13
33						
34 TOTAL INDUSTRIALS	\$ (581,001.21)	(7.82)	\$ (597,932.91)	(8.05)	\$ 3,716,435.88	50.03
35						
36						
37 GRAND TOTAL	\$ (2,774,640.76)	(8.62)	\$ (3,570,286.80)	(11.09)	\$ 19,393,298.20	60.25

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
March 2015**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 MARCH 2015							
2							
3 JP RURALS	132,033	54,650,882	\$ 1,822,715.57	\$ 2,459,289.69	\$ 4,282,005.26	\$ -	\$ -
4 KENERGY RURALS	248,910	98,964,723	\$ 3,436,202.55	\$ 4,453,412.54	\$ 7,889,615.09	\$ -	\$ -
5 MEADE CO. RURALS	117,351	40,989,670	\$ 1,620,030.56	\$ 1,844,535.15	\$ 3,464,565.71	\$ -	\$ -
6							
7 TOTAL RURALS	498,294	194,605,275	\$ 6,878,948.68	\$ 8,757,237.38	\$ 15,636,186.06	\$ -	\$ -
8							
9 KI-ACCURIDE	5,133	2,200,310	\$ 55,000.10	\$ 83,721.80	\$ 138,721.90	\$ -	\$ -
10 KI-ALCOA	70	39,130	\$ 750.05	\$ 1,488.90	\$ 2,238.95	\$ 460.75	\$ -
11 KI-ALERIS	27,515	15,488,020	\$ 294,823.23	\$ 589,319.16	\$ 884,142.39	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	1,834	635,270	\$ 19,651.31	\$ 24,172.02	\$ 43,823.33	\$ -	\$ -
13 KI-ARMSTRONG - DOCK	10,458	4,976,710	\$ 112,057.47	\$ 189,363.82	\$ 301,421.29	\$ -	\$ 10,141.26
14 KI-ARMSTRONG - EQUALITY	2,961	1,440,400	\$ 31,727.12	\$ 54,807.22	\$ 86,534.34	\$ -	\$ 3,469.28
15 KI-ARMSTRONG - LEWIS	2,100	803,720	\$ 22,501.50	\$ 30,581.55	\$ 53,083.05	\$ -	\$ 1,296.65
16 KI-ARMSTRONG - MIDWAY	4,791	2,097,560	\$ 51,335.57	\$ 79,812.16	\$ 131,147.73	\$ 578.61	\$ -
17 KI-DOMTAR PAPER CO.	15,000	11,127,659	\$ 160,725.00	\$ 423,407.42	\$ 584,132.42	\$ -	\$ -
18 KI-DOTIKI #3	60	14,534	\$ 642.90	\$ 553.02	\$ 1,195.92	\$ -	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	756	551,835	\$ 8,100.54	\$ 20,997.32	\$ 29,097.86	\$ 278.59	\$ -
20 KI-HOPKINS CO. COAL	107	37,478	\$ 1,146.51	\$ 1,426.04	\$ 2,572.55	\$ 10.72	\$ -
21 KI-KIMBERLY-CLARK	37,238	26,810,450	\$ 399,005.17	\$ 1,020,137.62	\$ 1,419,142.79	\$ -	\$ -
22 KI-PENNYRILE ENERGY, LLC	4,200	1,593,059	\$ 45,003.00	\$ 60,615.89	\$ 105,618.89	\$ -	\$ -
23 KI-PATRIOT							
24 KI-PRECOAT	3,455	1,500,040	\$ 37,020.33	\$ 57,076.52	\$ 94,096.85	\$ -	\$ -
25 KI-SEBREE MINING-KMMC	180	76,863	\$ 1,928.70	\$ 2,924.64	\$ 4,853.34	\$ -	\$ -
26 KI-SEBREE MINING-STEAMPORT-ALLIED	3,628	1,395,544	\$ 38,874.02	\$ 53,100.45	\$ 91,974.47	\$ -	\$ -
27 KI-SOUTHWIRE CO.	7,053	4,275,530	\$ 75,572.90	\$ 162,683.92	\$ 238,256.82	\$ -	\$ -
28 KI-TYSON FOODS	10,770	6,033,220	\$ 115,400.55	\$ 229,564.02	\$ 344,964.57	\$ -	\$ -
29 KI-VALLEY GRAIN	2,177	1,177,930	\$ 23,326.56	\$ 44,820.24	\$ 68,146.80	\$ 3,246.65	\$ -
30							
31 SUBTOTAL INDUSTRIALS	139,486	82,275,262	\$ 1,494,592.53	\$ 3,130,573.73	\$ 4,625,166.26	\$ 4,575.32	\$ 14,907.19
32							
33 JPI-SHELL OIL	3,240	543,285	\$ 34,716.60	\$ 20,671.99	\$ 55,388.59	\$ -	\$ -
34							
35 TOTAL INDUSTRIALS	142,726	82,818,547	\$ 1,529,309.13	\$ 3,151,245.72	\$ 4,680,554.85	\$ 4,575.32	\$ 14,907.19
36							
37							
38 GRAND TOTAL	641,020	277,423,822	\$ 8,408,257.81	\$ 11,908,483.10	\$ 20,316,740.91	\$ 4,575.32	\$ 14,907.19

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
March 2015**

	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH
1 MARCH 2015							
2							
3 JP RURALS	\$ 4,282,005.26	\$ 5.00	\$ 4,282,010.26	\$ 170,018.89	3.11	\$ 187,264.51	3.43
4 KENERGY RURALS	\$ 7,889,615.09	\$ -	\$ 7,889,615.09	\$ 307,879.25	3.11	\$ 345,334.55	3.49
5 MEADE CO. RURALS	\$ 3,464,565.71	\$ -	\$ 3,464,565.71	\$ 127,518.86	3.11	\$ 152,073.16	3.71
6							
7 TOTAL RURALS	\$ 15,636,186.06	\$ 5.00	\$ 15,636,191.06	\$ 605,417.00	3.11	\$ 684,672.22	3.52
8							
9 KI-ACCURIDE	\$ 138,721.90		\$ 138,721.90	\$ 6,845.16	3.11	\$ 6,329.02	2.88
10 KI-ALCOA	\$ 2,699.70		\$ 2,699.70	\$ 121.73	3.11	\$ 101.35	2.59
11 KI-ALERIS	\$ 884,142.39		\$ 884,142.39	\$ 48,183.23	3.11	\$ 40,016.33	2.58
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 43,823.33		\$ 43,823.33	\$ 1,976.32	3.11	\$ 2,012.52	3.17
13 KI-ARMSTRONG - DOCK	\$ 311,562.55		\$ 311,562.55	\$ 15,482.54	3.11	\$ 13,708.98	2.75
14 KI-ARMSTRONG - EQUALITY	\$ 90,003.62		\$ 90,003.62	\$ 4,481.08	3.11	\$ 3,933.12	2.73
15 KI-ARMSTRONG - LEWIS	\$ 54,379.70		\$ 54,379.70	\$ 2,500.37	3.11	\$ 2,430.25	3.02
16 KI-ARMSTRONG - MIDWAY	\$ 131,726.34		\$ 131,726.34	\$ 6,525.51	3.11	\$ 5,979.64	2.85
17 KI-DOMTAR PAPER CO.	\$ 584,132.42		\$ 584,132.42	\$ 34,618.15	3.11	\$ 26,241.30	2.36
18 KI-DOTIKI #3	\$ 1,195.92		\$ 1,195.92	\$ 45.22	3.11	\$ 55.54	3.82
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 29,376.45		\$ 29,376.45	\$ 1,716.76	3.11	\$ 1,307.72	2.37
20 KI-HOPKINS CO. COAL	\$ 2,583.27		\$ 2,583.27	\$ 116.59	3.11	\$ 118.10	3.16
21 KI-KIMBERLY-CLARK	\$ 1,419,142.79		\$ 1,419,142.79	\$ 83,407.31	3.11	\$ 63,802.12	2.38
22 KI-PENNYRILE ENERGY, LLC	\$ 105,618.89		\$ 105,618.89	\$ 4,956.01	3.11	\$ 4,836.78	3.04
23 KI-PATRIOT							
24 KI-PRECOAT	\$ 94,096.85		\$ 94,096.85	\$ 4,666.62	3.11	\$ 4,291.40	2.86
25 KI-SEBREE MINING-KMMC	\$ 4,853.34		\$ 4,853.34	\$ 239.12	3.11	\$ 221.45	2.88
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 91,974.47		\$ 91,974.47	\$ 4,341.54	3.11	\$ 4,210.12	3.02
27 KI-SOUTHWIRE CO.	\$ 238,256.82		\$ 238,256.82	\$ 13,301.17	3.11	\$ 10,761.15	2.52
28 KI-TYSON FOODS	\$ 344,964.57		\$ 344,964.57	\$ 18,769.35	3.11	\$ 15,615.25	2.59
29 KI-VALLEY GRAIN	\$ 71,393.45		\$ 71,393.45	\$ 3,664.54	3.11	\$ 3,087.80	2.62
30							
31 SUBTOTAL INDUSTRIALS	\$ 4,644,648.77	\$ -	\$ 4,644,648.77	\$ 255,958.32	3.11	\$ 209,059.94	2.54
32							
33 JPI-SHELL OIL	\$ 55,388.59		\$ 55,388.59	\$ 1,690.16	3.11	\$ 2,600.66	4.79
34							
35 TOTAL INDUSTRIALS	\$ 4,700,037.36	\$ -	\$ 4,700,037.36	\$ 257,648.48	3.11	\$ 211,660.60	2.56
36							
37							
38 GRAND TOTAL	\$ 20,336,223.42	\$ 5.00	\$ 20,336,228.42	\$ 863,065.48	3.11	\$ 896,332.82	3.23

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
March 2015**

	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH
1 MARCH 2015							
2							
3 JP RURALS	\$ -	0.00	\$ 25,521.96	\$ -	0.47	\$ 4,664,815.62	85.36
4 KENERGY RURALS	\$ -	0.00	\$ 46,216.53	\$ -	0.47	\$ 8,589,045.42	86.79
5 MEADE CO. RURALS	\$ -	0.00	\$ 19,142.18	\$ -	0.47	\$ 3,763,299.91	91.81
6							
7 TOTAL RURALS	\$ -	0.00	\$ 90,880.67	\$ -	0.47	\$ 17,017,160.95	87.44
8							
9 KI-ACCURIDE	\$ -	0.00	\$ 1,027.54	\$ -	0.47	\$ 152,923.62	69.50
10 KI-ALCOA	\$ -	0.00	\$ 18.27	\$ -	0.47	\$ 2,941.05	75.16
11 KI-ALERIS	\$ -	0.00	\$ 7,232.91	\$ -	0.47	\$ 979,574.86	63.25
12 KI-AMG ALUMINUM NORTH AMERICA	\$ -	0.00	\$ 296.67	\$ -	0.47	\$ 48,108.84	75.73
13 KI-ARMSTRONG - DOCK	\$ -	0.00	\$ 2,324.12	\$ -	0.47	\$ 343,078.19	68.94
14 KI-ARMSTRONG - EQUALITY	\$ -	0.00	\$ 672.67	\$ -	0.47	\$ 99,090.49	68.79
15 KI-ARMSTRONG - LEWIS	\$ -	0.00	\$ 375.34	\$ -	0.47	\$ 59,685.66	74.26
16 KI-ARMSTRONG - MIDWAY	\$ -	0.00	\$ 979.56	\$ -	0.47	\$ 145,211.05	69.23
17 KI-DOMTAR PAPER CO.	\$ -	0.00	\$ 5,196.62	\$ -	0.47	\$ 650,188.49	58.43
18 KI-DOTIKI #3	\$ -	0.00	\$ 6.79	\$ -	0.47	\$ 1,303.47	89.68
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ -	0.00	\$ 257.71	\$ -	0.47	\$ 32,658.64	59.18
20 KI-HOPKINS CO. COAL	\$ -	0.00	\$ 17.50	\$ -	0.47	\$ 2,835.46	75.66
21 KI-KIMBERLY-CLARK	\$ -	0.00	\$ 12,520.48	\$ -	0.47	\$ 1,578,872.70	58.89
22 KI-PENNYRILE ENERGY, LLC	\$ -	0.00	\$ 743.96	\$ -	0.47	\$ 116,155.64	72.91
23 KI-PATRIOT						\$ 246.89	
24 KI-PRECOAT	\$ -	0.00	\$ 700.52	\$ -	0.47	\$ 103,755.39	69.17
25 KI-SEBREE MINING-KMMC	\$ -	0.00	\$ 35.90	\$ -	0.47	\$ 5,349.81	69.60
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ -	0.00	\$ 651.72	\$ -	0.47	\$ 101,177.85	72.50
27 KI-SOUTHWIRE CO.	\$ -	0.00	\$ 1,996.67	\$ -	0.47	\$ 264,315.81	61.82
28 KI-TYSON FOODS	\$ -	0.00	\$ 2,817.51	\$ -	0.47	\$ 382,166.68	63.34
29 KI-VALLEY GRAIN	\$ -	0.00	\$ 550.09	\$ -	0.47	\$ 78,695.88	66.81
30							
31 SUBTOTAL INDUSTRIALS	\$ -	0.00	\$ 38,422.55	\$ -	0.47	\$ 5,148,336.47	62.67
32							
33 JPI-SHELL OIL	\$ -	0.00	\$ 253.71	\$ -	0.47	\$ 59,933.12	110.32
34							
35 TOTAL INDUSTRIALS	\$ -	0.00	\$ 38,676.26	\$ -	0.47	\$ 5,208,269.59	62.89
36							
37							
38 GRAND TOTAL	\$ -	0.00	\$ 129,556.93	\$ -	0.47	\$ 22,225,430.54	80.11

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
March 2015**

	MRSM \$	MRSM MILLS/ KWH	CN 2013-00199 MRSM TO OFF- SET BASE RATE INCREASE	MRSM - BASE RATE CREDIT MILLS/ KWH	REVENUE \$ NET OF MRSM \$ AND BASE RATE CREDIT \$	REV NET OF MRSM AND BASE RATE CREDIT MILLS/KWH
1 MARCH 2015						
2						
3 JP RURALS	\$ (423,520.26)	(7.75)	(664,150.22)	(12.15)	\$ 3,577,145.14	65.45
4 KENERGY RURALS	\$ (773,159.03)	(7.81)	(1,211,426.03)	(12.24)	\$ 6,604,460.36	66.74
5 MEADE CO. RURALS	\$ (329,271.49)	(8.03)	(514,456.44)	(12.55)	\$ 2,919,571.98	71.23
6						
7 TOTAL RURALS	\$ (1,525,950.78)	(7.84)	\$ (2,390,032.69)	(12.28)	\$ 13,101,177.48	67.32
8						
9 KI-ACCURIDE	\$ (15,840.96)	(7.20)	(17,712.50)	(8.05)	\$ 119,370.16	54.25
10 KI-ALCOA	\$ (270.51)	(6.91)	(315.00)	(8.05)	\$ 2,355.54	60.20
11 KI-ALERIS	\$ (106,971.04)	(6.91)	(124,678.56)	(8.05)	\$ 747,925.26	48.29
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (4,758.79)	(7.49)	(5,113.92)	(8.05)	\$ 38,236.13	60.19
13 KI-ARMSTRONG - DOCK	\$ (35,223.29)	(7.08)	(40,062.52)	(8.05)	\$ 267,792.38	53.81
14 KI-ARMSTRONG - EQUALITY	\$ (10,159.96)	(7.05)	(11,595.22)	(8.05)	\$ 77,335.31	53.69
15 KI-ARMSTRONG - LEWIS	\$ (5,904.73)	(7.35)	(6,469.95)	(8.05)	\$ 47,310.98	58.87
16 KI-ARMSTRONG - MIDWAY	\$ (15,047.39)	(7.17)	(16,885.36)	(8.05)	\$ 113,278.30	54.00
17 KI-DOMTAR PAPER CO.	\$ (74,346.17)	(6.68)	(89,577.65)	(8.05)	\$ 486,264.67	43.70
18 KI-DOTIKI #3	\$ (118.37)	(8.14)	(117.00)	(8.05)	\$ 1,068.10	73.49
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (3,693.30)	(6.65)	(4,442.27)	(8.05)	\$ 24,523.07	44.44
20 KI-HOPKINS CO. COAL	\$ (280.12)	(7.47)	(301.70)	(8.05)	\$ 2,253.64	60.13
21 KI-KIMBERLY-CLARK	\$ (179,703.70)	(6.70)	(215,824.12)	(8.05)	\$ 1,183,344.88	44.14
22 KI-PENNYRILE ENERGY, LLC	\$ (11,723.58)	(7.36)	(12,824.12)	(8.05)	\$ 91,607.94	57.50
23 KI-PATRIOT					\$ 246.89	
24 KI-PRECOAT	\$ (10,776.07)	(7.18)	(12,075.32)	(8.05)	\$ 80,904.00	53.93
25 KI-SEBREE MINING-KMMC	\$ (553.72)	(7.20)	(618.75)	(8.05)	\$ 4,177.34	54.35
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (10,243.06)	(7.34)	(11,234.13)	(8.05)	\$ 79,700.66	57.11
27 KI-SOUTHWIRE CO.	\$ (29,244.26)	(6.84)	(34,418.02)	(8.05)	\$ 200,653.53	46.93
28 KI-TYSON FOODS	\$ (41,696.86)	(6.91)	(48,567.42)	(8.05)	\$ 291,902.40	48.38
29 KI-VALLEY GRAIN	\$ (8,179.99)	(6.94)	(9,482.34)	(8.05)	\$ 61,033.55	51.81
30						
31 SUBTOTAL INDUSTRIALS	\$ (564,735.87)	(6.86)	\$ (662,315.87)	(8.05)	\$ 3,921,284.73	47.66
32						
33 JPI-SHELL OIL	\$ (4,949.28)	(9.11)	(4,373.44)	(8.05)	\$ 50,610.40	93.16
34						
35 TOTAL INDUSTRIALS	\$ (569,685.15)	(6.88)	\$ (666,689.31)	(8.05)	\$ 3,971,895.13	47.96
36						
37						
38 GRAND TOTAL	\$ (2,095,635.93)	(7.55)	\$ (3,056,722.00)	(11.02)	\$ 17,073,072.61	61.54

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
April 2015**

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 APRIL 2015							
2							
3 JP RURALS	80,095	40,855,420	\$ 1,105,711.48	\$ 1,838,493.90	\$ 2,944,205.38	\$ -	\$ -
4 KENERGY RURALS	137,945	72,416,406	\$ 1,904,330.73	\$ 3,258,738.27	\$ 5,163,069.00	\$ -	\$ -
5 MEADE CO. RURALS	48,432	28,147,730	\$ 668,603.76	\$ 1,266,647.85	\$ 1,935,251.61	\$ -	\$ -
6							
7 TOTAL RURALS	266,472	141,419,556	\$ 3,678,645.97	\$ 6,363,880.02	\$ 10,042,525.99	\$ -	\$ -
8							
9 KI-ACCURIDE	5,284	2,295,104	\$ 56,618.06	\$ 87,328.71	\$ 143,946.77	\$ -	\$ -
10 KI-ALCOA	61	34,720	\$ 653.62	\$ 1,321.10	\$ 1,974.72	\$ 1,028.64	\$ -
11 KI-ALERIS	26,714	14,809,640	\$ 286,240.51	\$ 563,506.80	\$ 849,747.31	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,022	559,370	\$ 21,665.73	\$ 21,284.03	\$ 42,949.76	\$ -	\$ -
13 KI-ARMSTRONG - DOCK	10,546	4,636,090	\$ 113,000.39	\$ 176,403.22	\$ 289,403.61	\$ 2,571.60	\$ 7,331.16
14 KI-ARMSTRONG - EQUALITY	3,156	1,436,490	\$ 33,816.54	\$ 54,658.44	\$ 88,474.98	\$ -	\$ 2,146.55
15 KI-ARMSTRONG - LEWIS	2,100	494,040	\$ 22,501.50	\$ 18,798.22	\$ 41,299.72	\$ -	\$ 640.67
16 KI-ARMSTRONG - MIDWAY	4,706	2,041,273	\$ 50,424.79	\$ 77,670.44	\$ 128,095.23	\$ 1,735.83	\$ -
17 KI-DOMTAR PAPER CO.	15,000	10,685,707	\$ 160,725.00	\$ 406,591.15	\$ 567,316.15	\$ -	\$ -
18 KI-DOTIKI #3	60	12,820	\$ 642.90	\$ 487.80	\$ 1,130.70	\$ -	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	756	534,210	\$ 8,100.54	\$ 20,326.69	\$ 28,427.23	\$ 375.03	\$ -
20 KI-HOPKINS CO. COAL	100	26,160	\$ 1,071.50	\$ 995.39	\$ 2,066.89	\$ -	\$ -
21 KI-KIMBERLY-CLARK	37,022	25,778,020	\$ 396,690.73	\$ 980,853.66	\$ 1,377,544.39	\$ -	\$ -
22 KI-PENNYRILE ENERGY, LLC	4,200	1,399,550	\$ 45,003.00	\$ 53,252.88	\$ 98,255.88	\$ -	\$ -
23 KI-PRECOAT	3,621	1,527,860	\$ 38,799.02	\$ 58,135.07	\$ 96,934.09	\$ -	\$ -
24 KI-SEBREE MINING-KMMC	132	40,330	\$ 1,414.38	\$ 1,534.56	\$ 2,948.94	\$ -	\$ -
25 KI-SEBREE MINING-STEAMPORT-ALLIED	3,296	1,163,730	\$ 35,316.64	\$ 44,279.93	\$ 79,596.57	\$ -	\$ -
26 KI-SOUTHWIRE CO.	7,137	4,096,020	\$ 76,472.96	\$ 155,853.56	\$ 232,326.52	\$ -	\$ -
27 KI-TYSON FOODS	11,586	6,227,410	\$ 124,143.99	\$ 236,952.95	\$ 361,096.94	\$ -	\$ -
28 KI-VALLEY GRAIN	2,155	864,790	\$ 23,090.83	\$ 32,905.26	\$ 55,996.09	\$ 2,882.34	\$ -
29							
30 SUBTOTAL INDUSTRIALS	139,654	78,663,334	\$ 1,496,392.63	\$ 2,993,139.86	\$ 4,489,532.49	\$ 8,593.44	\$ 10,118.38
31							
32 JPI-SHELL OIL	1,750	491,940	\$ 1,071.50	\$ 123.66	\$ 1,195.16	\$ -	\$ -
33							
34 TOTAL INDUSTRIALS	141,404	79,155,274	\$ 1,497,464.13	\$ 2,993,263.52	\$ 4,490,727.65	\$ 8,593.44	\$ 10,118.38
35							
36							
37 GRAND TOTAL	407,876	220,574,830	\$ 5,176,110.10	\$ 9,357,143.54	\$ 14,533,253.64	\$ 8,593.44	\$ 10,118.38

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
April 2015**

	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH
1 APRIL 2015							
2							
3 JP RURALS	\$ 2,944,205.38	\$ 5.00	\$ 2,944,210.38	\$ 151,369.33	3.70	\$ 99,396.95	2.43
4 KENERGY RURALS	\$ 5,163,069.00	\$ -	\$ 5,163,069.00	\$ 268,302.78	3.70	\$ 174,221.20	2.41
5 MEADE CO. RURALS	\$ 1,935,251.61	\$ -	\$ 1,935,251.61	\$ 104,287.34	3.71	\$ 65,191.85	2.32
6							
7 TOTAL RURALS	\$ 10,042,525.99	\$ 5.00	\$ 10,042,530.99	\$ 523,959.45	3.70	\$ 338,810.00	2.40
8							
9 KI-ACCURIDE	\$ 143,946.77		\$ 143,946.77	\$ 8,503.36	3.70	\$ 5,094.70	2.22
10 KI-ALCOA	\$ 3,003.36		\$ 3,003.36	\$ 128.64	3.71	\$ 69.42	2.00
11 KI-ALERIS	\$ 849,747.31		\$ 849,747.31	\$ 54,869.72	3.71	\$ 29,890.57	2.02
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 42,949.76		\$ 42,949.76	\$ 2,072.47	3.71	\$ 1,538.47	2.75
13 KI-ARMSTRONG - DOCK	\$ 299,306.37		\$ 299,306.37	\$ 17,176.71	3.70	\$ 10,239.66	2.21
14 KI-ARMSTRONG - EQUALITY	\$ 90,621.53		\$ 90,621.53	\$ 5,322.20	3.71	\$ 3,127.61	2.18
15 KI-ARMSTRONG - LEWIS	\$ 41,940.39		\$ 41,940.39	\$ 1,830.42	3.71	\$ 1,485.78	3.01
16 KI-ARMSTRONG - MIDWAY	\$ 129,831.06		\$ 129,831.06	\$ 7,562.92	3.71	\$ 4,533.83	2.22
17 KI-DOMTAR PAPER CO.	\$ 567,316.15		\$ 567,316.15	\$ 39,590.54	3.70	\$ 19,839.02	1.86
18 KI-DOTIKI #3	\$ 1,130.70		\$ 1,130.70	\$ 47.50	3.71	\$ 40.78	3.18
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 28,802.26		\$ 28,802.26	\$ 1,979.25	3.71	\$ 994.28	1.86
20 KI-HOPKINS CO. COAL	\$ 2,066.89		\$ 2,066.89	\$ 96.92	3.70	\$ 74.15	2.83
21 KI-KIMBERLY-CLARK	\$ 1,377,544.39		\$ 1,377,544.39	\$ 95,507.56	3.70	\$ 48,197.35	1.87
22 KI-PENNYRILE ENERGY, LLC	\$ 98,255.88		\$ 98,255.88	\$ 5,185.33	3.70	\$ 3,502.01	2.50
23 KI-PRECOAT	\$ 96,934.09		\$ 96,934.09	\$ 5,660.72	3.70	\$ 3,433.37	2.25
24 KI-SEBREE MINING-KMMC	\$ 2,948.94		\$ 2,948.94	\$ 149.42	3.70	\$ 105.35	2.61
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 79,596.57		\$ 79,596.57	\$ 4,311.62	3.71	\$ 2,832.57	2.43
26 KI-SOUTHWIRE CO.	\$ 232,326.52		\$ 232,326.52	\$ 15,175.75	3.70	\$ 8,165.41	1.99
27 KI-TYSON FOODS	\$ 361,096.94		\$ 361,096.94	\$ 23,072.55	3.70	\$ 12,711.53	2.04
28 KI-VALLEY GRAIN	\$ 58,878.43		\$ 58,878.43	\$ 3,204.05	3.71	\$ 1,985.97	2.30
29							
30 SUBTOTAL INDUSTRIALS	\$ 4,508,244.31	\$ -	\$ 4,508,244.31	\$ 291,447.65	3.70	\$ 157,861.83	2.01
31							
32 JPI-SHELL OIL	\$ 1,195.16		\$ 1,195.16	\$ 1,822.64	3.71	\$ 1,341.59	2.73
33							
34 TOTAL INDUSTRIALS	\$ 4,509,439.47	\$ -	\$ 4,509,439.47	\$ 293,270.29	3.70	\$ 159,203.42	2.01
35							
36							
37 GRAND TOTAL	\$ 14,551,965.46	\$ 5.00	\$ 14,551,970.46	\$ 817,229.74	3.70	\$ 498,013.42	2.26

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
April 2015**

	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH
1 APRIL 2015							
2							
3 JP RURALS	\$ -	0.00	\$ 19,079.48	\$ -	0.47	\$ 3,214,056.14	78.67
4 KENERGY RURALS	\$ -	0.00	\$ 33,818.46	\$ -	0.47	\$ 5,639,411.44	77.87
5 MEADE CO. RURALS	\$ -	0.00	\$ 13,144.99	\$ -	0.47	\$ 2,117,875.79	75.24
6							
7 TOTAL RURALS	\$ -	0.00	\$ 66,042.93	\$ -	0.47	\$ 10,971,343.37	77.58
8							
9 KI-ACCURIDE	\$ -	0.00	\$ 1,071.81	\$ -	0.47	\$ 158,616.64	69.11
10 KI-ALCOA	\$ -	0.00	\$ 16.21	\$ -	0.47	\$ 3,217.63	92.67
11 KI-ALERIS	\$ -	0.00	\$ 6,916.10	\$ -	0.47	\$ 941,423.70	63.57
12 KI-AMG ALUMINUM NORTH AMERICA	\$ -	0.00	\$ 261.23	\$ -	0.47	\$ 46,821.93	83.70
13 KI-ARMSTRONG - DOCK	\$ -	0.00	\$ 2,165.05	\$ -	0.47	\$ 328,887.79	70.94
14 KI-ARMSTRONG - EQUALITY	\$ -	0.00	\$ 670.84	\$ -	0.47	\$ 99,742.18	69.43
15 KI-ARMSTRONG - LEWIS	\$ -	0.00	\$ 230.72	\$ -	0.47	\$ 45,487.31	92.07
16 KI-ARMSTRONG - MIDWAY	\$ -	0.00	\$ 953.27	\$ -	0.47	\$ 142,881.08	70.00
17 KI-DOMTAR PAPER CO.	\$ -	0.00	\$ 4,990.23	\$ -	0.47	\$ 631,735.94	59.12
18 KI-DOTIKI #3	\$ -	0.00	\$ 5.99	\$ -	0.47	\$ 1,224.97	95.55
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ -	0.00	\$ 249.48	\$ -	0.47	\$ 32,025.27	59.95
20 KI-HOPKINS CO. COAL	\$ -	0.00	\$ 12.22	\$ -	0.47	\$ 2,250.18	86.02
21 KI-KIMBERLY-CLARK	\$ -	0.00	\$ 12,038.34	\$ -	0.47	\$ 1,533,287.64	59.48
22 KI-PENNYRILE ENERGY, LLC	\$ -	0.00	\$ 653.59	\$ -	0.47	\$ 107,596.81	76.88
23 KI-PRECOAT	\$ -	0.00	\$ 713.51	\$ -	0.47	\$ 106,741.69	69.86
24 KI-SEBREE MINING-KMMC	\$ -	0.00	\$ 18.83	\$ -	0.47	\$ 3,222.54	79.90
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ -	0.00	\$ 543.46	\$ -	0.47	\$ 87,284.22	75.00
26 KI-SOUTHWIRE CO.	\$ -	0.00	\$ 1,912.84	\$ -	0.47	\$ 257,580.52	62.89
27 KI-TYSON FOODS	\$ -	0.00	\$ 2,908.20	\$ -	0.47	\$ 399,789.22	64.20
28 KI-VALLEY GRAIN	\$ -	0.00	\$ 403.86	\$ -	0.47	\$ 64,472.31	74.55
29							
30 SUBTOTAL INDUSTRIALS	\$ -	0.00	\$ 36,735.78	\$ -	0.47	\$ 4,994,289.57	63.49
31							
32 JPI-SHELL OIL	\$ -	0.00	\$ 229.74	\$ -	0.47	\$ 40,863.54	83.07
33							
34 TOTAL INDUSTRIALS	\$ -	0.00	\$ 36,965.52	\$ -	0.47	\$ 5,035,153.11	63.61
35							
36							
37 GRAND TOTAL	\$ -	0.00	\$ 103,008.45	\$ -	0.47	\$ 16,006,496.48	72.57

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Electric Utilities  
April 2015**

	MRSM \$	MRSM MILLS/ KWH	CN 2013-00199 MRSM TO OFF- SET BASE RATE INCREASE	MRSM - BASE RATE CREDIT MILLS/ KWH	REVENUE \$ NET OF MRSM \$ AND BASE RATE CREDIT \$	REV NET OF MRSM AND BASE RATE CREDIT MILLS/KWH
1 APRIL 2015						
2						
3 JP RURALS	\$ (300,283.04)	(7.35)	\$ (479,918.84)	(11.75)	\$ 2,433,854.26	59.57
4 KENERGY RURALS	\$ (530,292.66)	(7.32)	\$ (847,073.06)	(11.70)	\$ 4,262,045.73	58.85
5 MEADE CO. RURALS	\$ (203,594.23)	(7.23)	\$ (324,630.20)	(11.53)	\$ 1,589,651.36	56.48
6						
7 TOTAL RURALS	\$ (1,034,169.93)	(7.31)	\$ (1,651,622.09)	(11.68)	\$ 8,285,651.36	58.59
8						
9 KI-ACCURIDE	\$ (16,379.72)	(7.14)	\$ (18,475.59)	(8.05)	\$ 123,761.33	53.92
10 KI-ALCOA	\$ (240.14)	(6.92)	\$ (279.50)	(8.05)	\$ 2,697.99	77.71
11 KI-ALERIS	\$ (102,709.57)	(6.94)	\$ (119,217.60)	(8.05)	\$ 719,496.53	48.58
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (4,288.90)	(7.67)	\$ (4,502.93)	(8.05)	\$ 38,030.10	67.99
13 KI-ARMSTRONG - DOCK	\$ (33,035.31)	(7.13)	\$ (37,320.52)	(8.05)	\$ 258,531.96	56.77
14 KI-ARMSTRONG - EQUALITY	\$ (10,190.84)	(7.09)	\$ (11,563.74)	(8.05)	\$ 77,987.60	54.29
15 KI-ARMSTRONG - LEWIS	\$ (3,914.98)	(7.92)	\$ (3,977.02)	(8.05)	\$ 37,695.31	76.10
16 KI-ARMSTRONG - MIDWAY	\$ (14,570.77)	(7.14)	\$ (16,432.25)	(8.05)	\$ 111,878.06	54.81
17 KI-DOMTAR PAPER CO.	\$ (72,380.64)	(6.77)	\$ (86,019.94)	(8.05)	\$ 473,335.36	44.30
18 KI-DOTIKI #3	\$ (103.82)	(8.10)	\$ (103.20)	(8.05)	\$ 1,017.95	79.40
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (3,620.99)	(6.78)	\$ (4,300.39)	(8.05)	\$ 24,103.89	45.12
20 KI-HOPKINS CO. COAL	\$ (202.78)	(7.75)	\$ (210.59)	(8.05)	\$ 1,836.81	70.21
21 KI-KIMBERLY-CLARK	\$ (174,947.87)	(6.79)	\$ (207,513.06)	(8.05)	\$ 1,150,826.71	44.64
22 KI-PENNYRILE ENERGY, LLC	\$ (10,383.59)	(7.42)	\$ (11,266.38)	(8.05)	\$ 85,946.84	61.41
23 KI-PRECOAT	\$ (10,945.86)	(7.16)	\$ (12,299.27)	(8.05)	\$ 83,496.56	54.65
24 KI-SEBREE MINING-KMMC	\$ (303.65)	(7.53)	\$ (324.66)	(8.05)	\$ 2,594.23	64.33
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (8,554.63)	(7.35)	\$ (9,368.03)	(8.05)	\$ 69,361.56	59.60
26 KI-SOUTHWIRE CO.	\$ (28,305.54)	(6.91)	\$ (32,972.96)	(8.05)	\$ 196,302.02	47.93
27 KI-TYSON FOODS	\$ (43,331.70)	(6.96)	\$ (50,130.66)	(8.05)	\$ 306,326.87	49.19
28 KI-VALLEY GRAIN	\$ (6,238.15)	(7.21)	\$ (6,961.56)	(8.05)	\$ 51,272.60	59.29
29						
30 SUBTOTAL INDUSTRIALS	\$ (544,649.45)	(6.92)	\$ (633,239.84)	(8.05)	\$ 3,816,400.28	48.52
31						
32 JPI-SHELL OIL	\$ (3,760.46)	(89.28)	\$ (3,960.12)	(26.16)	\$ 33,142.96	67.37
33						
34 TOTAL INDUSTRIALS	\$ (548,409.91)	(6.93)	\$ (637,199.96)	(8.05)	\$ 3,849,543.24	48.63
35						
36						
37 GRAND TOTAL	\$ (1,582,579.84)	(7.17)	\$ (2,288,822.05)	(10.38)	\$ 12,135,094.59	55.02

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Others  
November 2014**

1 NOVEMBER 2014	KWH	AMOUNT	REVENUE \$ MILLS/KWH
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 KENERGY-CENTURY HAWESVILLE			
6 KENERGY-DOMTAR COGEN	1,428,721	\$ 66,013.30	46.20
7 POWERSOUTH ENERGY COOP			
8			
9 TOTAL SPECIAL SALES TO RUS BORROWERS	1,428,721	\$ 66,013.30	46.20
10			
11			
12			
13 TO OTHER THAN RUS BORROWERS:			
14			
15 EDF TRADING	25,200,000	\$ 995,400.00	39.50
16 HMPL			
17 MISO	539,903,487	\$ 18,743,273.71	34.72
18 MORGAN STANLEY	60,800,000	\$ 2,702,560.00	44.45
19 PJM		\$ 308.79	
20			
21 TOTAL TO OTHER THAN RUS BORROWERS	625,903,487	\$ 22,441,542.50	35.85
22			
23			
24 TOTAL	627,332,208	\$ 22,507,555.80	35.88

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Others  
December 2014**

1 DECEMBER 2014	KWH	AMOUNT	REVENUE \$ MILLS/KWH
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 KENERGY-CENTURY HAWESVILLE			
6 KENERGY-DOMTAR COGEN	5,862,201	\$ 251,666.03	42.93
7 POWERSOUTH ENERGY COOP			
8			
9 TOTAL SPECIAL SALES TO RUS BORROWERS	5,862,201	\$ 251,666.03	42.93
10			
11			
12			
13 TO OTHER THAN RUS BORROWERS:			
14			
15 EDF TRADING			
16 HMPL			
17 HEREC		\$ (540,000.00)	
18 MISO	507,584,000	\$ 15,443,483.63	30.43
19 MORGAN STANLEY	70,400,000	\$ 3,129,280.00	44.45
20			
21 TOTAL TO OTHER THAN RUS BORROWERS	577,984,000	\$ 18,032,763.63	31.20
22			
23			
24 TOTAL	583,846,201	\$ 18,284,429.66	31.32

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Others  
January 2015**

1 JANUARY 2015	KWH	AMOUNT	REVENUE \$ MILLS/KWH
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 KENERGY-CENTURY HAWESVILLE			
6 KENERGY-DOMTAR COGEN	1,895,440	\$ 75,223.28	39.69
7 POWERSOUTH ENERGY COOP			
8			
9 TOTAL SPECIAL SALES TO RUS BORROWERS	1,895,440	\$ 75,223.28	39.69
10			
11			
12			
13 TO OTHER THAN RUS BORROWERS:			
14			
15 CARGILL POWER MARKETS			
16 EDF TRADING			
17 MISO	410,770,500	\$ 11,613,032.27	28.27
18 MORGAN STANLEY	67,200,000	\$ 3,218,880.00	47.90
19 NEXTERA ENERGY POWER MARKETING	67,200,000	\$ 2,990,400.00	44.50
20			
21 TOTAL TO OTHER THAN RUS BORROWERS	545,170,500	\$ 17,822,312.27	32.69
22			
23			
24 TOTAL	547,065,940	\$ 17,897,535.55	32.72

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Others  
February 2015**

1 FEBRUARY 2015	KWH	AMOUNT	REVENUE \$ MILLS/KWH
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 KENERGY-CENTURY HAWESVILLE			
6 KENERGY-DOMTAR COGEN	2,059,379	\$ 123,892.42	60.16
7 POWERSOUTH ENERGY COOP			
8			
9 TOTAL SPECIAL SALES TO RUS BORROWERS	2,059,379	\$ 123,892.42	60.16
10			
11			
12			
13 TO OTHER THAN RUS BORROWERS:			
14			
15 HMPL	1,663,000	\$ 63,861.02	38.40
16 HEREC	2,400,000	\$ 222,400.00	92.67
17 MISO	391,992,627	\$ 13,984,967.22	35.68
18 MORGAN STANLEY	63,400,000	\$ 3,031,472.00	47.82
19 NEXTERA ENERGY POWER MARKETING	67,200,000	\$ 3,083,200.00	45.88
20			
21 TOTAL TO OTHER THAN RUS BORROWERS	526,655,627	\$ 20,385,900.24	38.71
22			
23			
24 TOTAL	528,715,006	\$ 20,509,792.66	38.79

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Others  
March 2015**

1 MARCH 2015	KWH	AMOUNT	REVENUE \$ MILLS/KWH
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 KENERGY-CENTURY HAWESVILLE			
6 KENERGY-DOMTAR COGEN	4,832,878	\$ 176,700.60	36.56
7 POWERSOUTH ENERGY COOP			
8			
9 TOTAL SPECIAL SALES TO RUS BORROWERS	4,832,878	\$ 176,700.60	36.56
10			
11			
12			
13 TO OTHER THAN RUS BORROWERS:			
14 HMPL	4,616,000	\$ 121,242.46	26.27
15 CAPACITY SALES		\$ 364,600.00	
16 OPTION		\$ 164,000.00	
17 MISO	429,200,217	\$ 12,388,039.14	28.86
18 MORGAN STANLEY			
19 NEXTERA ENERGY POWER MARKETING	105,600,000	\$ 4,408,800.00	41.75
20			
21 TOTAL TO OTHER THAN RUS BORROWERS	539,416,217	\$ 17,446,681.60	32.34
22			
23			
24 TOTAL	544,249,095	\$ 17,623,382.20	32.38

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Others  
April 2015**

1 APRIL 2015	KWH	AMOUNT	REVENUE \$ MILLS/KWH
2			
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5 KENERGY-CENTURY HAWESVILLE			
6 KENERGY-DOMTAR COGEN	2,672,294	\$ 95,775.85	35.84
7 POWERSOUTH ENERGY COOP			
8			
9 TOTAL SPECIAL SALES TO RUS BORROWERS	2,672,294	\$ 95,775.85	35.84
10			
11			
12			
13 TO OTHER THAN RUS BORROWERS:			
14 EDF TRADING	17,600,000	\$ 635,360.00	36.10
15 HMPL			
16 CAPACITY SALES		\$ 45,000.00	
17 OPTION			
18 MISO	241,026,239	\$ 6,439,663.14	26.72
19 MORGAN STANLEY			
20 NEXTERA ENERGY POWER MARKETING	88,000,000	\$ 3,768,160.00	42.82
21			
22 TOTAL TO OTHER THAN RUS BORROWERS	346,626,239	\$ 10,888,183.14	31.41
23			
24 TOTAL	349,298,533	\$ 10,983,958.99	31.45

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 7)** *List Big Rivers' scheduled, actual, and forced outages from*  
2 *November 1, 2014, through April 30, 2015.*

3

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

6

7

8 **Witness)** Lawrence V. Baronowsky

9

**Big Rivers Electric Corporation  
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
Reid Station Unit #1 - Coal - 66MW Net  
November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November	S,A	11/25/2014 8:00	11/26/2014 8:00	11/25/2014 8:00	11/26/2014 8:00	24:00		24:00	The unit was removed from reserve standby status to repair leaking tubes in the #1 high pressure feedwater heater. The inlet valves were leaking through and the heater could not be repaired online.
December	S,A	12/1/2014 8:00	12/4/2014 8:00	12/1/2014 8:00	12/4/2014 15:00	72:00		79:00	The unit was removed from reserve standby status to repair the inlet valves on #1 high pressure feedwater heater. The outage was extended seven hours because the valve repair contractors arrived later than expected.
	S,A	12/15/2014 7:00	12/17/2014 19:00	12/15/2014 7:00	12/17/2014 19:21	60:00		60:21	The unit was removed from reserve standby status to inspect the main feedwater regulator valve.
January	No Outages								
February	F			2/22/2015 18:40	2/22/2015 22:06			3:26	A starting failure was declared when the unit did not tie online in the allotted time due to a steam leak in the drum pressure gauge sensing line that could not be isolated.
	F			2/22/2015 22:17	2/23/2015 23:04			24:47	The unit tripped on low vacuum shortly after start up. The unit could not be immediately restarted due to issues with the turbine turning gear.
	F			2/24/2015 21:06	2/27/2015 4:00			54:54	The unit was removed from service to investigate the cause of high silica concentration in the boiler blow down samples. Condenser tube leaks were found to be the cause of the high silica content and seventeen tubes were plugged.

Case No. 2015-00237

Witness: Lawrence V. Baronowsky

Attachment for Response to Staff Item 7

Page 1 of 14

**Big Rivers Electric Corporation  
 Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
 November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
 Reid Station Unit #1 - Coal - 65MW Net  
 November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				

March            No Outages

April            No Outages

Case No. 2015-00237

Witness: Lawrence V. Baronowsky

Attachment for Response to Staff Item 7

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**Big Rivers Electric Corporation  
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
Reid Station Unit #2 - Combustion Turbine - Oil/Gas - 65MW Net  
November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November	S,A	----->	11/11/2014 6:00	----->	11/20/2014 0:09	1344:00		1560:08	The unit was removed from reserve standby status on 16-Sep-2014 for a 56 day planned outage to overhaul the turbine, generator, and compressor and to replace the exhaust duct. The outage was delayed for nine days due to problems with the hydraulic system.  The unit tripped while testing the new generator sync check relay that was installed during the overhaul.  The unit tripped on high exhaust temperature while checking out the new control system that was installed during the overhaul.  The unit tripped on high atomizing air temperature while checking out the new control system that was installed during the overhaul.  The unit was removed from reserve standby status to replace two current transformers.
	F		11/20/2014 0:10		11/20/2014 13:44		13:34		
	F		11/20/2014 14:39		11/20/2014 15:32		0:53		
	F		11/21/2014 10:44		11/21/2014 12:16		1:32		
	F		11/23/2014 21:40		11/26/2014 17:10		67:30		
December	No Outages								
January	No Outages								

Case No. 2015-00237

Witness: Lawrence V. Baronowsky

Attachment for Response to Staff Item 7

Page 3 of 14

**Big Rivers Electric Corporation  
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
Reid Station Unit #2 - Combustion Turbine - Oil/Gas - 65MW Net  
November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
February	F			2/18/2015 7:32	2/18/2015 13:00		5:28		The unit was removed from reserve standby status to replace the trip coils in the generator breaker. The unit was returned to reserve standby status.
	S,A	2/18/2015 14:54	2/18/2015 16:24	2/18/2015 14:54	2/18/2015 16:32	1:30		1:38	The unit was removed from reserve standby status to test the previous generator breaker repairs by starting the unit to make sure the breaker would close and trip properly. The unit was returned to reserve standby status.
	F			2/19/2015 6:52	2/19/2015 9:23		2:31		The unit was removed from reserve standby status due to the gas supply heater tripped resulting in the gas line freezing. The heater was reset and the gas line was purged and thawed. The unit was returned to reserve standby status.
March	F			3/6/2015 6:11	3/6/2015 9:07		2:56		The unit tripped due to a "Gas Turbine Control Valve Following Error".
April	S,A	4/13/2015 5:30	4/21/2015 13:30	4/13/2015 5:30	4/21/2015 14:00	200:00		200:30	Unit was removed from reserve standby for a 200 hour planned maintenance outage.

Case No. 2015-00237

Witness: Lawrence V. Baronowsky

Attachment for Response to Staff Item 7

Page 4 of 14

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
**Henderson Station Two - Unit #1 - Coal - 153MW Net**  
 November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November	No Outages								
December	No Outages								
January	S,A	1/21/2015 0:00	1/26/2015 0:00	1/20/2015 23:45	1/26/2015 14:22	120:00	134:37	The unit was removed from service for a five day planned maintenance outage. The outage was extended due to an issue with the emergency governor exerciser during start up.	
	F			1/26/2015 15:12	1/26/2015 16:10		0:58	The unit was tripped by the Control Operator due to fluctuating drum level. The unit was stabilized and returned to service.	
February	F			2/20/2015 22:54	2/21/2015 17:45		18:51	The unit tripped on low vacuum due to loss of circulating water to the condenser.	
	F			2/21/2015 17:50	2/21/2015 19:46		1:56	The unit tripped while operators were transferring the turbine steam inlet valves from full arc to partial arc admission.	
March	F			3/9/2015 13:48	3/11/2015 4:08		38:20	The unit tripped on low turbine bearing oil pressure due to a bearing oil pressure switch malfunction.	
	F			3/20/2015 3:50	3/22/2015 22:16		66:26	The unit was removed from service due to a water wall tube leak.	
April	No Outages								

**Big Rivers Electric Corporation  
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
Henderson Station Two - Unit #2 - Coal - 159MW Net  
November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November		No Outages							
December		No Outages							
January	S,A	1/17/2015 0:00	1/19/2015 0:00	1/17/2015 0:01	1/18/15 23:06	48:00		47:05	The unit was removed from service to wash the air heaters.
February				2/10/2015 9:42	2/12/2015 12:23			50:41	The unit was removed from service to repair a superheater tube leak.
	F			2/20/2015 22:45	2/23/2015 10:22			59:37	The unit was removed from service to repair a superheater tube leak.
March	F			3/5/2015 12:02	3/5/2015 16:26			4:24	The unit tripped on high drum level due to a boiler swing caused by "B" Mill and "A3" coal pipe tripping.
	F			3/9/2015 14:04	3/9/2015 17:51			3:47	The unit tripped on low vacuum caused by low instrument air pressure. Unit 1 had tripped at 13:48 due to a faulty turbine bearing oil pressure switch and the start up buss did not transfer. Without start up power the station air compressors shut down causing low instrument air pressure.
	F			3/9/2015 17:52	3/9/2015 18:27			0:35	The unit tripped on high drum level just one minute after it tied on line. When the turbine steam valves opened the drum pressure sagged allowing the water level to rise in the drum.
	S,A	3/14/2015 0:00	----->	3/14/2015 0:34	----->	432:00		431:26	The unit was removed from service for a forty-eight day planned maintenance outage.

Case No. 2015-00237

Witness: Lawrence V. Baronowsky

Attachment for Response to Staff Item 7

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**Big Rivers Electric Corporation  
 Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
 November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
 Henderson Station Two - Unit #2 - Coal - 159MW Net  
 November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				

April		4/1/2015 0:00	----->	4/1/2015 0:00	----->	720:00		720:00	The unit was returned to service on 2-May-2015 at 06:58.
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**Big Rivers Electric Corporation  
 Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
 November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
 Green Station Unit #1 - Coal/Pet coke - 231MW Net  
 November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November		No Outages							
December		No Outages							
January	S,A	1/3/2015 0:00	1/4/2015 0:00	1/3/2015 0:17	1/3/2015 22:18	24:00		22:01	The unit was removed from service to make electrical and instrument air connections for the new MATS control equipment
February		No Outages							
March		No Outages							
April	F			4/2/2015 11:56	4/2/2015 17:23			5:27	The unit was removed from service to replace a hydraulic servo on the lower turbine control valves.
	F			4/3/2015 9:04	4/5/2015 16:12			55:08	The unit was removed from service to repair a water wall tube leak.

**Big Rivers Electric Corporation  
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
Green Station Unit #2 - Coal/Pet coke - 223MW Net  
November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November	F			11/10/2014 12:33	11/13/2014 01:08	60:35			The unit tripped on high furnace pressure caused by water wall tube leak.
December	F			12/7/2014 7:34	12/7/2014 9:10	1:36			The unit tripped on MFT. "B" Mill tripped due to the primary air damper position. "D" Mill flamed out. "A" Mill supplies fuel to the reburn injectors and can not operate without another Mill in service resulting in "A" Mill tripping on last Mill in service forcing a Master Fuel Trip.
	F			12/7/2014 14:15	12/7/2014 16:20	2:05			The unit tripped due to last mill in service. "B" mill flamed out and tripped, causing flame instability on "D" Mill that also tripped. The Unit tripped on last mill in service because "A" Mill supplies fuel to the reburn injectors and can not operate without another Mill in service.
January	No Outages								
February	F			2/5/2015 6:51	2/6/2015 15:15	32:24			The unit tripped on loss of flame due to a water wall tube leak.
March	No Outages								
April	No Outages								

**Big Rivers Electric Corporation  
 Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
 November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
 Coleman Station Unit #1 - Coal - 150MW Net  
 November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November	No Outages								Coleman Unit 1 was idled on May 1, 2014 and has not yet been returned to service.
December	No Outages								
January	No Outages								
February	No Outages								
March	No Outages								
April	No Outages								

**Big Rivers Electric Corporation  
 Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
 November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
 Coleman Station Unit #2 - Coal - 138MW Net  
 November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November	No Outages								Coleman Unit 2 was idled on May 1, 2014 and has not yet been returned to service.
December	No Outages								
January	No Outages								
February	No Outages								
March	No Outages								
April	No Outages								

**Big Rivers Electric Corporation  
 Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
 November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
 Coleman Station Unit #3 - Coal - 155MW Net  
 November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				

November	No Outages								Coleman Unit 3 was idled on May 8, 2014 and has not yet been returned to service.
December	No Outages								
January	No Outages								
February	No Outages								
March	No Outages								
April	No Outages								

**Big Rivers Electric Corporation  
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
Wilson Station - Unit #1 - Coal/Pet Coke - 417MW Net  
November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
November	F			11/16/2014 13:21	11/16/2014 19:39	6:18			The unit tripped while testing the main turbine mechanical overspeed trip function.
	F			11/19/2014 19:30	11/19/2014 23:17	3:47			The unit tripped on low drum level due to a boiler swing that was caused by #2 mill trip.
December	No Outages								
January	S,A	1/12/2015 0:00	1/14/2015 0:00	1/11/2015 22:59	1/14/2015 0:01	48:00		49:02	Unit was removed from service to wash the primary air heaters and repair a water wall tube leak.
February	F			2/16/2015 23:29	2/18/2015 10:02	34:33			The unit was removed from service to repair a water wall tube leak.
	F			2/18/2015 10:03	2/18/2015 10:52	0:49			The unit tripped on no load steam flow immediately after it tied on line.
March	No Outages								

**Big Rivers Electric Corporation  
 Scheduled ("S"), Actual ("A"), and Forced ("F") Outages  
 November 1, 2014 thru April 30, 2015**

Big Rivers Electric Corporation  
 Wilson Station - Unit #1 - Coal/Pet Coke - 417MW Net  
 November 1, 2014 thru April 30, 2015

Schedule vs. Actual

MONTH	TYPE	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
		Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
April	F			4/3/2015 4:25	4/3/2015 13:32			9:07	The unit tripped off line due to a lightning strike that caused the turbine to trip.
	F			4/26/2015 0:03	4/26/2015 5:03			5:00	The unit tripped on low drum level while dropping load for opacity compliance.
	S,A	4/26/2015 5:03	4/30/2015 5:03	4/26/2015 5:03	4/30/2015 12:41	96:00		103:38	The unit had been on standby to come off line at the first economic opportunity since 4/16/2015 in order to repair a tube leak. Moved the unit directly from forced outage status into maintenance outage to repair the water wall tube leak and wash the primary air heaters. The outage was extended about 7.5 hours to repair the leaking primary air heater steam coils that caused the air heater pluggage.

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

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

21  
22 **Response)** Please see the attached schedule.  
23

24  
25 **Witness)** Mark W. McAdams

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Patriot Coal Sales 11021**

A. NAME / ADDRESS: Patriot Coal Sales, LLC.  
12312 Olive Boulevard, Suite 400  
St. Louis, Mo 63141

B. PRODUCTION FACILITY: Freedom and Grand Eagle Mines  
Henderson County, Kentucky  
  
Highland Mine  
Union County, Kentucky

C. CONTRACT EXECUTED DATE: October 24, 2011

D. CONTRACT DURATION: January 1, 2012 *through* December 31, 2015

E. CONTRACT AMENDMENTS: November 8, 2011 *(Amendment One)*  
January 30, 2015 *(Assignment to Alliance)*

F. ANNUAL TONNAGE REQUIREMENTS:

2012	-	964,000	tons
2013	-	700,000	tons
2014	-	700,000	tons
2015	-	700,000	tons

G. ACTUAL TONNAGE:

2012	-	963,662	tons
2013	-	671,818	tons
2014	-	701,025	tons
2015	-	233,023	tons <i>(through April)</i>

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	-	99.96 %
2013	-	95.97 %
2014	-	100.15 %
2015	-	33.29 % <i>(through April)</i>

I. BASE PRICE:

Highland 2012	-	\$ 48.0992	per ton
Patriot Blend 2012	-	\$ 47.0624	per ton
Highland 2013	-	\$ 50.0251	per ton
Highland 2014	-	\$ 52.0220	per ton
Highland 2015	-	\$ 54.1013	per ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE:

Highland 2013	-	\$ 50.0251	per ton
Highland 2014	-	\$ 52.0220	per ton
Highland 2015 / Sebree Mining	-	\$ 54.1013	per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Sebree Mining 11002**

A. NAME / ADDRESS: Sebree Mining, LLC (formerly Allied Resources)  
15 New Steamport Road  
Sebree, KY 42455

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

C. CONTRACT EXECUTED DATE: March 29, 2012

D. CONTRACT DURATION: January 1, 2010 through December 31, 2016

E. CONTRACT AMENDMENTS:

April 29, 2011	(Amendment One)
November 17, 2011	(Amendment Two)
March 29, 2012	(Contract Assigned from Allied resources to Sebree Mining, LLC)
August 12, 2013	(Amendment Three)
January 8, 2014	(Amendment Four)
February 14, 2014	(Amendment Five)

F. ANNUAL TONNAGE REQUIREMENTS:

2010	-	650,000	tons
2011	-	500,000	tons
2012	-	750,000	tons
2013	-	960,000	tons
2014	-	800,000	tons
2015	-	890,000	tons
2016	-	900,000	tons

G. ACTUAL TONNAGE:

2010	-	664,320	tons
2011	-	500,614	tons
2012	-	748,127	tons
2013	-	919,426	tons
2014	-	838,340	tons
2015	-	264,114	tons (through April)

H. PERCENT OF ANNUAL REQUIREMENTS:

2010	-	102.20	%
2011	-	100.12	%
2012	-	99.75	%
2013	-	95.77	%
2014	-	104.79	%
2015	-	29.71	% (through April)

I. BASE PRICE:

		<u>Sebree Complex</u>	
Quality A 2012	-	\$ 52.5500	per ton
Quality B 2012	-	\$ 50.6259	per ton
Quality C 2012	-	\$ 48.9946	per ton
Quality D 2012	-	\$ 46.0108	per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Sebree Mining 11002 (continued)**

I. BASE PRICE: (continued)

Sebree Complex (continued)

Quality A 2013	-	\$ 54.9153	per ton
Quality B 2013	-	\$ 53.8668	per ton
Quality C 2013	-	\$ 52.1824	per ton
Quality D 2013	-	\$ 49.1854	per ton
Quality A 2014	-	\$ 57.6621	per ton
Quality B 2014	-	\$ 55.6405	per ton
Quality C 2014	-	\$ 53.8706	per ton
Quality D 2014	-	\$ 50.5978	per ton
Quality A 2015	-	\$ 61.6911	per ton
Quality B 2015	-	\$ 59.5694	per ton
Quality C 2015	-	\$ 57.7116	per ton
Quality D 2015	-	\$ 54.2146	per ton
Quality A 2016	-	No Price	
Quality B 2016	-	\$ 62.4897	per ton
Quality C 2016	-	\$ 60.7085	per ton
Quality D 2016	-	\$ 57.8600	per ton

Steamport Dock

Quality A 2012	-	\$ 51.9551	per ton
Quality B 2012	-	\$ 50.0269	per ton
Quality C 2012	-	\$ 48.3943	per ton
Quality D 2012	-	\$ 45.4102	per ton
Quality A 2013	-	\$ 54.3204	per ton
Quality B 2013	-	\$ 53.1133	per ton
Quality C 2013	-	\$ 51.4303	per ton
Quality D 2013	-	\$ 48.4308	per ton
Quality A 2014	-	\$ 57.0672	per ton
Quality B 2014	-	\$ 55.0415	per ton
Quality C 2014	-	\$ 53.2703	per ton
Quality D 2014	-	\$ 49.9994	per ton
Quality A 2015	-	\$ 61.0512	per ton
Quality B 2015	-	\$ 58.9399	per ton
Quality C 2015	-	\$ 57.0745	per ton
Quality D 2015	-	\$ 53.5832	per ton
Quality A 2016	-	No Price	
Quality B 2016	-	\$ 61.1910	per ton
Quality C 2016	-	\$ 60.4422	per ton
Quality D 2016	-	\$ 56.5598	per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Sebree Mining 11002 (continued)**

J. ESCALATIONS TO DATE:                      None

K. CURRENT CONTRACT PRICE:

	<u>Sebree Complex</u>	
Quality A 2013	- \$ 54.9153	per ton
Quality B 2013	- \$ 53.8668	per ton
Quality C 2013	- \$ 52.1824	per ton
Quality D 2013	- \$ 49.1854	per ton
Quality A 2014	- \$ 57.6621	per ton
Quality B 2014	- \$ 55.6405	per ton
Quality C 2014	- \$ 53.8706	per ton
Quality D 2014	- \$ 50.5978	per ton
Quality A 2015	- \$ 61.6911	per ton
Quality B 2015	- \$ 59.5694	per ton
Quality C 2015	- \$ 57.7116	per ton
Quality D 2015	- \$ 54.2146	per ton

	<u>Steamport Dock</u>	
Quality A 2013	- \$ 54.3204	per ton
Quality B 2013	- \$ 53.1133	per ton
Quality C 2013	- \$ 51.4303	per ton
Quality D 2013	- \$ 48.4308	per ton
Quality A 2014	- \$ 57.0672	per ton
Quality B 2014	- \$ 55.0415	per ton
Quality C 2014	- \$ 53.2703	per ton
Quality D 2014	- \$ 49.9994	per ton
Quality A 2015	- \$ 61.0512	per ton
Quality B 2015	- \$ 58.9399	per ton
Quality C 2015	- \$ 57.0745	per ton
Quality D 2015	- \$ 53.5832	per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Armstrong Coal 11023**

A. NAME / ADDRESS: Armstrong Coal Company, Inc.  
7733 Forsyth Boulevard, Suite 1625  
St. Louis, MO 63105

B. PRODUCTION FACILITY: Parkway, Big Run, Ceralvo, East Fork,  
Kronos, Lewis Creek, and Equality Boot Mines  
Muhlenberg and Ohio Counties, Kentucky

C. CONTRACT EXECUTED DATE: July 4, 2011

D. CONTRACT DURATION: January 1, 2012 *through* December 31, 2015

E. CONTRACT AMENDMENTS None

F. ANNUAL TONNAGE REQUIREMENTS:

2012	-	350,000	tons
2013	-	400,000	tons
2014	-	800,000	tons
2015	-	875,000	tons

G. ACTUAL TONNAGE:

2012	-	351,376	tons
2013	-	401,613	tons
2014	-	801,572	tons
2015	-	280,024	tons ( <i>through April</i> )

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	-	100.39	%
2013	-	100.40	%
2014	-	100.20	%
2015	-	32.00	% ( <i>through April</i> )

I. BASE PRICE:

2012	-	\$ 47.2512	per ton
2013	-	\$ 48.4012	per ton
2014	-	\$ 51.3682	per ton
2015	-	\$ 54.5123	per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Armstrong Coal 11023 (continued)**

J. ESCALATIONS TO DATE:	1 <sup>st</sup> Quarter 2012	-	\$ 0.8970	per ton
	2 <sup>nd</sup> Quarter 2012	-	\$ 0.9039	per ton
	3 <sup>rd</sup> Quarter 2012	-	\$ 0.8119	per ton
	4 <sup>th</sup> Quarter 2012	-	(\$ 0.1679)	per ton
	1 <sup>st</sup> Quarter 2013	-	\$ 0.1840	per ton
	2 <sup>nd</sup> Quarter 2013	-	\$ 0.1863	per ton
	3 <sup>rd</sup> Quarter 2013	-	\$ 0.1564	per ton
	4 <sup>th</sup> Quarter 2013	-	(\$ 0.3473)	per ton
	1 <sup>st</sup> Quarter 2014	-	(\$ 0.7245)	per ton
	2 <sup>nd</sup> Quarter 2014	-	\$ 0.4508	per ton
	3 <sup>rd</sup> Quarter 2014	-	(\$ 0.0759)	per ton
	4 <sup>th</sup> Quarter 2014	-	(\$ 0.3979)	per ton
	1 <sup>st</sup> Quarter 2015	-	(\$ 0.9338)	per ton
	2 <sup>nd</sup> Quarter 2015	-	(\$ 2.7692)	per ton
	3 <sup>rd</sup> Quarter 2015	-	(\$ 3.2591)	per ton
	K. CURRENT CONTRACT PRICE:	2013	-	\$ 48.5875
2014		-	\$ 50.6437	per ton
2015		-	\$ 54.5123	per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Coeclerici / Coal Network Inc. 15001**

A. NAME / ADDRESS: Coeclerici Coal Network, Inc.  
7697 Innovation Way, Suite 100  
Mason, Ohio 45040

B. PRODUCTION FACILITY: Western Kentucky Minerals (WKM), North  
Knottsville and Pleasant Ridge Mines

C. CONTRACT EXECUTED DATE: January 7, 2015

D. CONTRACT DURATION: January 1, 2015 *through* December 31, 2015

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS: 2015 - 144,000 tons

G. ACTUAL TONNAGE: 2015 - 38,629 tons (*through April*)

H. PERCENT OF ANNUAL REQUIREMENTS: 2015 - 26.83 % (*through April*)

I. BASE PRICE: WKM 2015 - \$ 44.7507 per ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE WKM 2015 - \$ 44.7507 per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Foresight 15005**

A. NAME / ADDRESS: Foresight Coal Sales, LLC  
211 North Broadway, Suite 2600  
St. Louis, Missouri 63102

B. PRODUCTION FACILITY: Deer Run and/or Shay No. 1 in  
Montgomery and Macoupin, Illinois.

C. CONTRACT EXECUTED DATE: March 6, 2015

D. CONTRACT DURATION: February 6, 2015 *through* December 31, 2019

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS:

2015	-	200,000	tons
2016	-	240,000	tons
2017	-	240,000	tons
2018	-	240,000	tons
2019	-	240,000	tons

G. ACTUAL TONNAGE:

2015	-	39,686	tons	<i>(through April)</i>
------	---	--------	------	------------------------

H. PERCENT OF ANNUAL REQUIREMENTS:

2015	-	19.84	%	<i>(through April)</i>
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I. BASE PRICE:

2015	-	\$ 34.0000	per ton
2016	-	\$ 36.2500	per ton
2017	-	\$ 38.5000	per ton
2018	-	\$ 40.5500	per ton
2019	-	\$ 42.3500	per ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: 2015 - \$ 34.0006 per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**KenAmerican Resources 15006**

A. NAME / ADDRESS: KenAmerican Resources, Inc.  
46226 National Road  
St. Clairsville, Ohio 43950

B. PRODUCTION FACILITY: Paradise #9 Mine  
Muhlenberg County, Kentucky

C. CONTRACT EXECUTED DATE: January 30, 2015

D. CONTRACT DURATION: January 1, 2015 *through* December 31, 2019

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS:

2015	-	300,000	tons
2016	-	500,000	tons
2017	-	500,000	tons
2018	-	400,000	tons
2019	-	400,000	tons

G. ACTUAL TONNAGE: 2015 - 104,423 tons (*through April*)

H. PERCENT OF ANNUAL REQUIREMENTS: 2015 - 34.81 % (*through April*)

I. BASE PRICE:

2015	-	\$ 49.2500	per ton
2016	-	\$ 50.5000	per ton
2017	-	\$ 51.7500	per ton
2018	-	\$ 53.0500	per ton
2019	-	\$ 54.4000	per ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: 2015 - \$ 49.2500 per ton

**Big Rivers Electric Corporation**  
**Case No. 2015-00237**  
**Long-Term Fuel Contract Information**

**Rhino Energy LLC and Pennyrile Energy LLC Coal Sales 15009**

A. NAME / ADDRESS: Rhino Energy LLC/Pennyrile Energy, LLC.  
424 Lewis Hargett Circle, Suite 250  
Lexington, Kentucky 40503

B. PRODUCTION FACILITY: Pennyrile Energy LLC  
Riveredge Mine  
McLean County, Kentucky

C. CONTRACT EXECUTED DATE: March 16, 2015

D. CONTRACT DURATION: March 16, 2015 *through* December 31, 2017

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS:

2015	-	105,000	tons	<i>(Start date for tonnage delivery June 1, 2015)</i>
2016	-	400,000	tons	
2017	-	550,000	tons	

G. ACTUAL TONNAGE:

2015	-	0	tons	<i>(through April)</i>
------	---	---	------	------------------------

H. PERCENT OF ANNUAL REQUIREMENTS:

2015	-	0.00	%	<i>(through April)</i>
------	---	------	---	------------------------

I. BASE PRICE:

Riveredge 2015	-	\$ 43.7500	per ton
Riveredge 2016	-	\$ 45.7500	per ton
Riveredge 2017	-	\$ 47.7500	per ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: Riveredge 2015 - \$ 43.7500 per ton

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 9)**

- 2           a. *State whether Big Rivers regularly compares the price of*  
3           *its coal purchases to those paid by other electric utilities.*  
4           b. *If yes, state:*  
5               (1) *How Big Rivers' prices compare with those of other*  
6               *utilities for the review period. Include all prices*  
7               *used in the comparison in cents per MMBtu.*  
8               (2) *The utilities that are included in this comparison*  
9               *and their locations.*

10  
11 **Response)**

- 12           a. Yes, Big Rivers has compared the price of its coal purchases  
13           with those paid by other electric utilities.  
14           b.  
15               (1) Big Rivers' coal pricing is competitive with that of its  
16               comparison group for the review period. Attached hereto  
17               are tables and charts on a ¢ per MMBTU and showing Big  
18               Rivers with and without petcoke.  
19               (2) Utilities that are included in this comparison are Kentucky-  
20               based companies. These utilities are identified on the  
21               attached tables and charts.

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

25

**Big Rivers Electric Corporation  
Case No. 2015-00237**

**Cents per MMBTU (Big Rivers w/o Pet Coke)**

Company	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15
Big Rivers Electric Corporation	214.24	226.22	201.03	234.09	239.53	226.34
Duke Energy - Kentucky	213.66	214.39	215.27	225.74	224.40	224.40
Louisville Gas and Electric Company	232.03	231.47	234.83	239.23	236.16	229.07
Kentucky Utilites Company	237.41	239.83	240.04	232.01	236.25	227.44
East Kentucky Power Cooperative	242.70	246.20	235.10	233.80	230.90	228.40
Kentucky Power	284.11	284.64	260.94	265.59	252.99	221.32

**Cents per MMBTU (Big Rivers w/ Pet Coke)**

Company	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15
Big Rivers Electric Corporation	209.46	216.02	199.51	227.76	232.22	211.27
Duke Energy - Kentucky	213.66	214.39	215.27	225.74	224.40	224.40
Louisville Gas and Electric Company	232.03	231.47	234.83	239.23	236.16	229.07
Kentucky Utilites Company	237.41	239.83	240.04	232.01	236.25	227.44
East Kentucky Power Cooperative	242.70	246.20	235.10	233.80	230.90	228.40
Kentucky Power	284.11	284.64	260.94	265.59	252.99	221.32

Source: Utilities' Monthly FAC Filings w/ Kentucky Public Service Commission

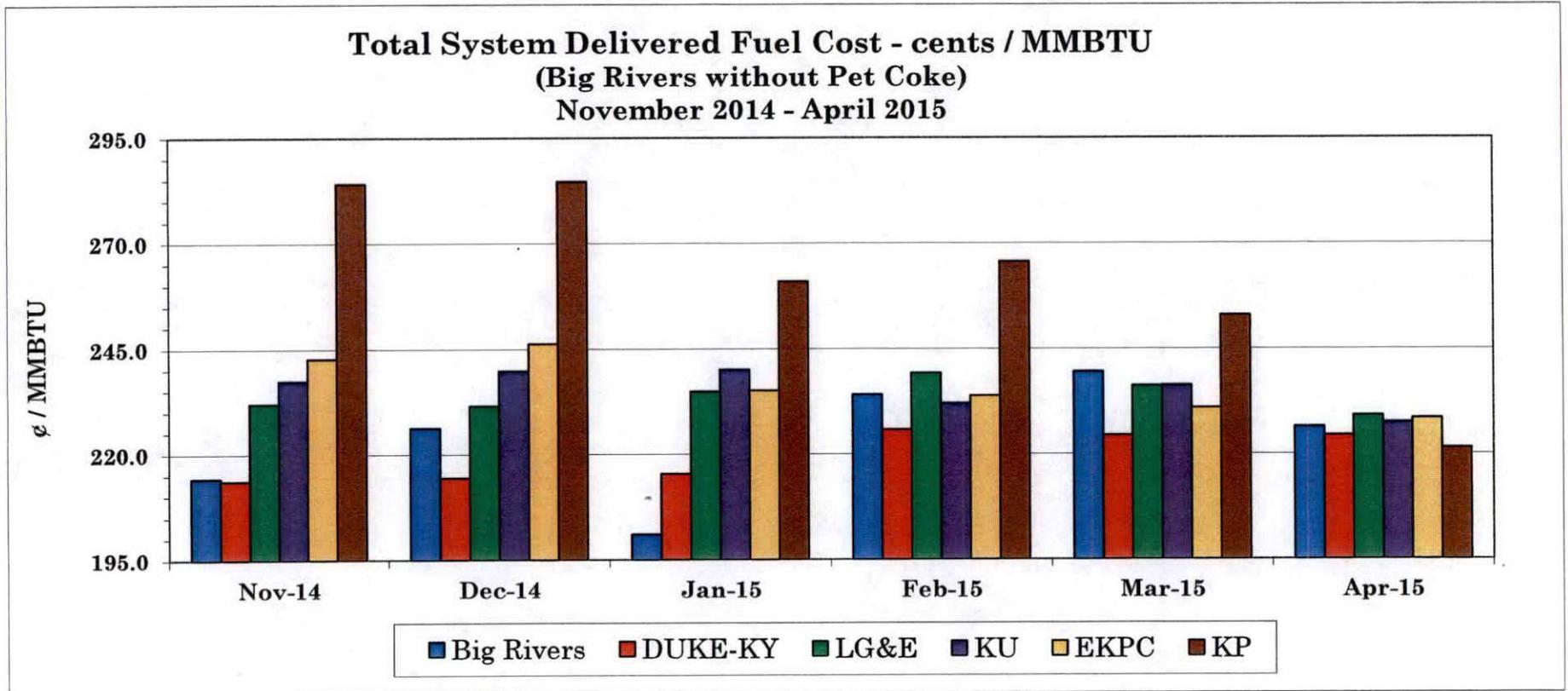
Case No. 2015-00237

Witness: Mark W. McAdams

Attachment for Response to Staff Item 9

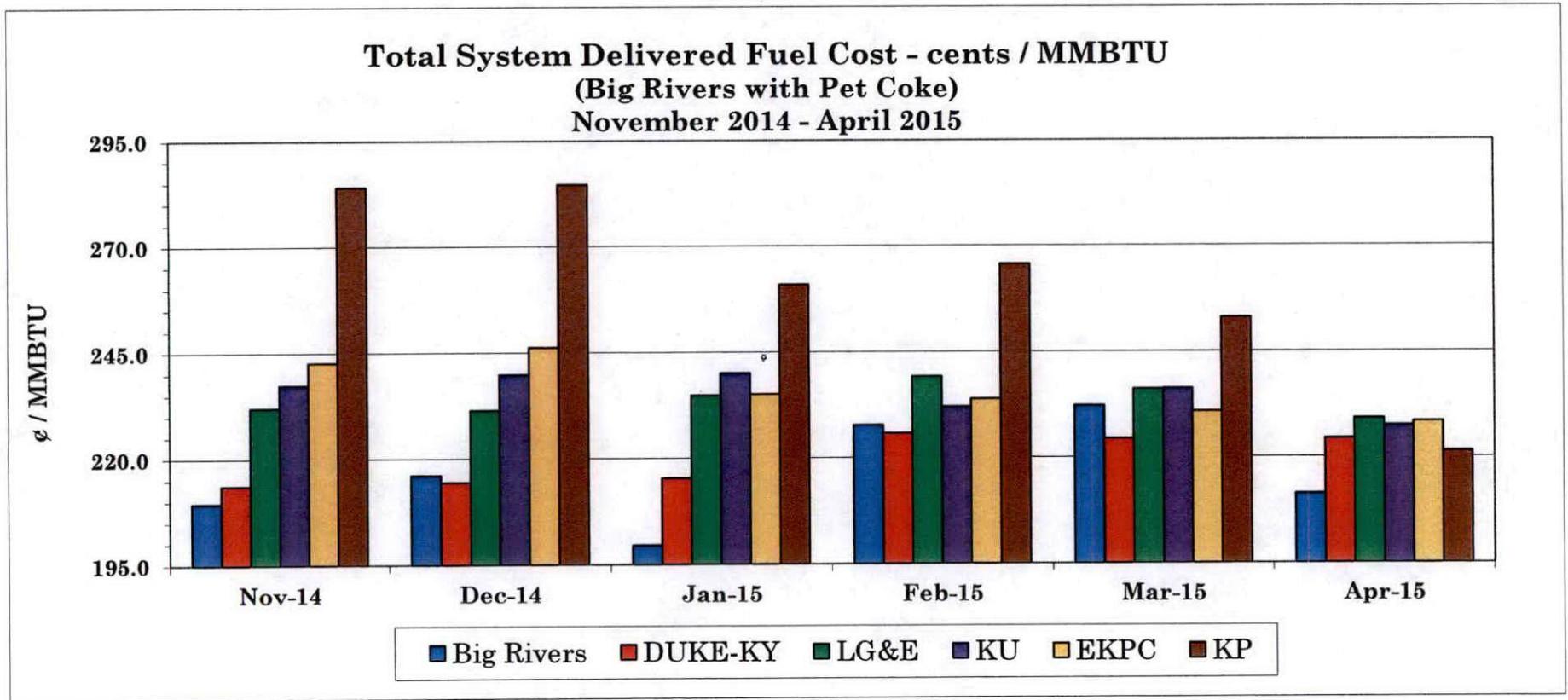
Page 1 of 3

**Big Rivers Electric Corporation  
Case No. 2015-00237**



Source: Utilities' Monthly FAC Filings w/ Kentucky Public Service Commission

**Big Rivers Electric Corporation  
Case No. 2015-00237**



Source: Utilities' Monthly FAC Filings w/ Kentucky Public Service Commission

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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**August 28, 2015**

1 **Item 10)** *State the percentage of Big Rivers' coal, as of the date of this*  
2 *Order, that is delivered by:*

3

4

*a. Rail;*

5

*b. Truck; or*

6

*c. Barge.*

7

8 **Response)** For the period from November 1, 2014, through April 30, 2015, Big  
9 Rivers' coal delivery percentages are as follows:

10

11

*a. Rail – None;*

12

*b. Truck – 54% (Coal only);*

13

*c. Barge – 46% (Coal plus Pet Coke).*

14

15

16

**Witness)** Mark W. McAdams

17

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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1 **Item 11)**

- 2 a. *State Big Rivers' coal inventory level in tons and in*  
3 *number of days' supply as of April 30, 2015. Provide this*  
4 *information by 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 April 30, 2015, to*  
8 *its inventory target for that date for each plant and for*  
9 *total inventory.*  
10 d. *If actual coal inventory exceeds inventory target by ten*  
11 *days' supply, state the reasons for excessive inventory.*  
12 e. (1) *State whether Big Rivers expects any significant*  
13 *changes in its current coal inventory target within*  
14 *the next 12 months.*  
15 (2) *If yes, state the expected change and the reasons for*  
16 *this change.*

17

18 **Response)**

- 19 a. As of April 30, 2015, Big Rivers' generating stations individually  
20 and in the aggregate had the following inventory levels and  
21 days' supply.  
22  
23  
24

**BIG RIVERS ELECTRIC CORPORATION**

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1

<b>Total System/Station</b>	<b>Inventory Level (In Tons) <sup>1</sup></b>	<b>Number of Days' Supply <sup>2</sup></b>	<b>Duration (In Days)</b>	<b>Preceding 6 Months Burn (In Tons)</b>
Big Rivers Electric System	833,907.91	62	134	1,792,749.63
Reid Station <sup>3</sup>	9,883.60	19	13	7,019.18
Station II <sup>4</sup>	194,414.88	96	148	301,346.39
Green Station <sup>5</sup>	285,947.70	61	160	744,401.63
Coleman Station <sup>6</sup>	0.00	0	0	0.00
Wilson Station <sup>7</sup>	343,661.73	80	172	739,982.43

2

3

b. Days Burn = [ { Current Inventory (In Tons) / Preceding 6  
Months Burn (In Tons) } ] x Duration (In Days)

4

5

c. Big Rivers Electric Corporation's Target Supply is the following  
range for each Station in days.

6

7

**Big Rivers Electric Corporation  
Coal Inventory Target Ranges**

Total System	30 - 60 Days
Reid Station	16 - 20 Days
Station II	30 - 60 Days
Green	30 - 60 Days
Coleman	0 Days
Wilson	30 - 60 Days

8

9

d. The actual inventory for Station II exceeds the target range by  
36 days. The extended planned outage on Station II, Unit 2  
caused part of Station II to exceed its target range. The  
extended outage was over 635 hours. Also, Station II and Green  
Station had to absorb the Patriot Coal (*now assigned to Alliance*

10

11

12

13

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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Coal) contract BRE-11-021.

Finally, the Wilson Station exceeds the target range by 20 days. Wilson Station exceeded its target range due to market conditions. Also, Big Rivers could not shift coal from contracts that were going to be shared at Green Station due to Green absorbing part of the Patriot Coal contract, and due to issues of coal quality of contracts formerly utilized at Coleman Station. However, the actual inventory, in the aggregate for Big Rivers, does not exceed the inventory target by ten (10) days.

e.

- (1) Yes.
- (2) Big Rivers plans to aggressively reclaim coal and pet coke that is on the ground in 2016 to bring Station Two and Wilson Station back within their target levels.

**BIG RIVERS ELECTRIC CORPORATION**

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1

**Footnotes -**

<sup>1</sup> Green Station had a pet coke inventory level of 106,387.02 tons as of April 30, 2015. Wilson Station had a pet coke inventory level of 126,727.63 tons as of April 30, 2015.

<sup>2</sup> Number of days' supply is rounded to reflect whole days.

<sup>3</sup> Reid Station Unit 1 was in standby reserve 158 days. Reid 1 was out of service 10 days due to unscheduled & scheduled outages. The duration of generation was reduced to 13 days.

<sup>4</sup> Station II Units 1 and 2 had unscheduled and scheduled maintenance hours of 439.2 hours. Unit 2 had a basic and extended planned outage of 1,140 hours in March and April 2015. These hours were equivalent to 33 days. The duration of generation was reduced to 148 days. On October 17, 2014, the Station II inventory target was modified from 60-80 days to 30-60 days.

<sup>5</sup> Green Units 1 and 2 had unscheduled and scheduled maintenance hours of 150.1 hours. These hours were equivalent to 3 days. Green 1 was placed in standby reserve for 29.2 hours and Green 2 was placed in reserve standby for 840.3 hours. These hours were equivalent to 18 days. The duration of generation was reduced to 160 days.

<sup>6</sup> Coleman Station Units 1, 2 and 3 were placed on Inactive Reserve Status on May 8, 2014, and this totaled 13,032.0 hours which was equivalent to 181 days. The duration of generation was reduced to 0 days. Coleman Station will have no inventory going forward unless it is removed from the Inactive Reserve Status.

<sup>7</sup> Wilson Unit 1 had 212.2 scheduled and unscheduled maintenance hours. These hours were equivalent to 9 days. The duration of generation was reduced to 172 days.

2

3

4 **Witness) Mark W. McAdams**

5

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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**Response to Commission Staff's Request for Information  
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1 **Item 12)**

2 a. *State whether Big Rivers has audited any of its coal*  
3 *contracts during the period from November 1, 2014,*  
4 *through April 30, 2015.*

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

6 (1) *Identify the contract;*

7 (2) *Identify the auditor;*

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

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

11

12 **Response)**

13 a. Big Rivers has not audited any of its coal supply agreements  
14 during the period from November 1, 2014, through April 30,  
15 2015.

16 b. (1) – (4)

17 Not Applicable.

18

19

20 **Witness) Mark W. McAdams**

21

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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1 **Item 13)**

- 2           a. *State whether Big Rivers has received any customer*  
3               *complaints regarding its FAC during the period from*  
4               *November 1, 2014, through April 30, 2015.*  
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 has received no customer complaints regarding  
11               its FAC during the period from November 1, 2014, through April  
12               30, 2015.  
13           b. Not Applicable.

14

15

16 **Witness)**   Nicholas R. Castlen

17

**BIG RIVERS ELECTRIC CORPORATION**

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1 **Item 14)**

- 2           a. *State whether Big Rivers is currently involved in any*  
3           *litigation 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*  
8               *Rivers;*  
9               (4) *List the issues presented; and*  
10              (5) *Provide a copy of the complaint or other legal*  
11              *pleading that initiated the litigation and any*  
12              *answers or counterclaims. If a copy has previously*  
13              *been filed with the Commission, provide the date on*  
14              *which it was filed and the case in which it was filed.*  
15           c. *State the current status of all litigation with coal*  
16           *suppliers.*

17

18 **Response)**

- 19           a. No.  
20           b. (1) – (5)  
21               Not applicable.  
22           c. Not Applicable.

23

24 **Witness)** Mark W. McAdams

25

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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**August 28, 2015**

1 **Item 15)**

2 a. *During the period from November 1, 2014, through April*  
3 *30, 2015, have there been any changes to Big Rivers'*  
4 *written policies and procedures regarding its fuel*  
5 *procurement?*

6 b. *If yes,*

7 *(1) Describe the changes;*

8 *(2) Provide the written policies and procedures as*  
9 *changed;*

10 *(3) State the date(s) the changes were made; and*

11 *(4) Explain why the changes were made.*

12 c. *If no, provide the date Big Rivers' current fuel*  
13 *procurement policies and procedures were last changed,*  
14 *when they were last provided to the Commission, and*  
15 *identify the proceeding in which they were provided.*

16

17 **Response)**

18 a. Yes. During the period November 1, 2014, to April 30, 2015, Big  
19 Rivers made changes to Policy No. 105 – Energy-Related  
20 Transaction Authority Policy.

21 b. (1) through (4)

22 On February 20, 2015, Big Rivers made a number of  
23 changes to Policy No. 105 – Energy-Related Transaction  
24 Authority Policy. Among these changes are the following:

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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- 1                   i.    General clean-up and formatting changes;
- 2                   ii.   In Section 3 – Transaction Communications, removing
- 3                         ‘land or cellular phone’ and inserting ‘email’;
- 4                   iii.   In Section 3 – Deal Capture, removing ‘Any’ and inserting
- 5                         ‘Power’;
- 6                   iv.   In Section 4 – Bilateral Electric Power and Transmission
- 7                         Transaction Authority, increasing the CEO’s Transaction
- 8                         Limit (MW) from 50 to 400, increasing the CEO’s
- 9                         Aggregate Limits (Total Volume) from 1.8 million MWHs
- 10                         to 3.8 million MWHs, and increasing the CEO’s Aggregate
- 11                         Limits (Total \$) from \$110 million to \$230 million;
- 12                   v.    In Section 11 – Emission Allowances Transaction
- 13                         Authority, deleting references to a Commission Order in
- 14                         Case No. 2007-00455;
- 15                   vi.   In Section 13 – Lime Reagent Transaction Authority
- 16                         increasing the CEO’s Transaction Limit (\$/Ton) from \$125
- 17                         to \$200 and increasing the CEO’s Aggregate Limits (Total
- 18                         \$) from \$81 million to \$130 million;
- 19                   vii.   Inserting a new Section 14 – MATS Reagent Transaction
- 20                         Authority;
- 21                   viii.   Renumbering the prior Section 14 as Section 15;
- 22                   ix.   In new Section 15 – Acknowledgements: Violations and
- 23                         Sanctions, changing selected job titles and position
- 24                         references;

**BIG RIVERS ELECTRIC CORPORATION**

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1 x. Updating Version, *i.e.*, Revision table as necessary.

2 Black-line and red-line copies of Policy No. 105  
3 mentioned in the response to sub-item a. are attached to this  
4 response.

5 c. Big Rivers' other fuel procurement policies and procedures were  
6 not changed during the period of November 1, 2014, through April  
7 30, 2015. In the table below, Big Rivers lists those unchanged  
8 policies and procedures, the dates of their last changes, and the  
9 proceedings in which Big Rivers provided them to the  
10 Commission.  
11

<b>Big Rivers Electric Corporation Policies and Procedures for Fuel Procurement</b>				
<b>Number</b>	<b>Name</b>	<b>Date Last Change</b>	<b>Provided In</b>	<b>Date Provided</b>
111	Hedge Policy	2012-03-16	Case No. 2012-00323	2012-09-11
120	Fuel Procurement Policy and Procedure	2014-09-09	Case No. 2014-00455	2015-02-20
121	Solid Fuel Inventory Policy	2014-10-17	Case No. 2014-00455	2015-02-20
122	Energy-Related Transaction Credit Policy	2014-08-15	Case No. 2014-00455	2015-02-20
Appendix A	Energy-Related Transaction Authority Policy	2014-07-21	Case No. 2014-00455	2015-02-20

12

13

**BIG RIVERS ELECTRIC CORPORATION**

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1  
2 **Witnesses) Mark W. McAdams and**  
3 **Wayne O'Bryan**  
4

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**1. Policy Purpose**

The purpose of this policy is to define the authority granted by the Big Rivers Electric Corporation (“Big Rivers”) Board of Directors (“Board”) to the President & Chief Executive Officer (“CEO”) to execute, or to delegate authority to execute energy-related transactions. Furthermore, it sets forth clarity and empowerment among those with transaction authority and is designed to encourage communication among individuals with transaction authority and the Board.

**2. Objective**

The objective of Big Rivers’ Energy Related Transaction Authority Policy is to define:

- Who has authority to execute transactions,
- The commodities and products that can be transacted,
- The authorized lead-time and term for each transaction,
- The authorized maximum price and volume,
- Counterparty contract and credit requirements,
- The process for approving new commodities, products or locations,
- Big Rivers’ intention regarding hedging and speculating,
- Other relevant factors associated with due diligence in authorizing transactions to be executed.

**3. Procedural Requirements**

The following defines the procedural requirements that apply to all commodities and products transacted pursuant to this policy.

**Execution Authority**

Execution Authority is outlined by commodity in the authority matrix sections found below. All column limits in these matrices are applied independently of one another for each authority level, in that no individual column limit may be exceeded without authorization, regardless of whether a transaction does not exceed another column limit for that same authority level. Limits for each level of authority are cumulative, and include all column limits up to and including that level. The authority granted in this policy should not violate any other policy limits.

The transaction limits apply to both purchases and sales. Daily limits are applied to gross amounts transacted in total for the day, and not to purchases and sales netted together.

This policy identifies Board-authorized levels for the CEO and explicitly gives the CEO the authority to delegate authority levels to Big Rivers’ staff and ACES Power Marketing (“ACES”). The CEO has the authority to modify delegated authority levels (noted in Appendix A) at his sole discretion as long as the delegated authority does not exceed his own authority per this policy.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**Contract Requirements**

Transactions with counterparties shall only be permitted if Big Rivers has either:

- An active, valid, and executed agreement enabling such transaction activity with that counterparty,
- Long-form confirmations may be used as a valid agreement in lieu of a permanent agreement, when necessary if approved in writing by the Big Rivers CEO.

**Credit Requirements**

Credit limits for each counterparty shall not be intentionally exceeded. *(Note: Since credit exposures are a function of not only positions transacted, but also a function of market pricing and volatility, credit exposure to counterparty may unintentionally exceed a credit limit purely due to changes in the forward market).*

Entering into unsecured transactions with a counterparty that has total credit exposure greater than or equal to its open line of credit and the total of any security currently provided will not be allowed unless approved in writing by the Big Rivers CEO.

**Credit Sleeving**

All sleeving transactions for credit purposes shall be approved by the CEO. *(Note: Sleeving is an arrangement where a more financially reputable entity acts as middleman for a smaller, undercapitalized entity in the purchase or sale of power.)*

**Contract Sleeving**

This policy does not prohibit Big Rivers from being positioned between another member or customer of ACES and an external counterparty in order to bridge a contract gap that exists. The sleeve must:

- Be only for physical power, transmission or natural gas, not transportation,
- Be only for terms of one month or less.

Contract sleeving on behalf of Big Rivers is approved when it is either the only or the most economical path to pursue at the discretion of ACES, with prompt after-the-fact notice to the Big Rivers CEO.

**Transaction Communications**

All communications for bilateral electric power transactions must be transacted via a recorded communication method. Examples include, but are not limited to, voice recorded communication instant messaging, email or via an online broker account. Recorded communications must be maintained and controlled by personnel who are independent of the transaction function.

**Deal Capture**

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

Power transactions executed by a Big Rivers employee must be promptly forwarded to ACES after the deal execution.

**Speculation**

Speculation refers to a purchase or sales transaction in which the intent was to realize a profit without taking physical delivery. No speculative transaction activities shall be permitted, and no speculative transaction positions shall be initiated. Transactions will be permitted only for purposes of hedging and portfolio optimization.

**Non-Standard Products**

The Board must pre-approve any transaction that involves commodities or products not listed in this policy.

**Transactions Requiring Board Approval**

Transactions which meet any of the following criteria must be pre-approved by the Board prior to execution:

- The transaction is a new commodity or within the list of commodities not previously transacted by Big Rivers,
- The transaction is at a location in which no transactions are permitted,
- The transaction is for something other than: physical spot or forward electricity, natural gas, fuel oil, solid fuel, ancillary services, capacity, power transmission, financial transmission rights, gas transportation, gas imbalance and storage, solid fuel transportation, exchange transacted energy products, over-the-counter (OTC) financial energy transactions, OTC energy options, federal SO<sub>2</sub> or NO<sub>x</sub> emission allowances, renewable energy credits or a unit outage insurance product.

Examples of new instruments would include the use of derivatives with different risk characteristics or the use of derivatives to implement different business strategies or goals. New instruments or locations would also include those instruments or locations that may be transacted on a “one-off” basis, which would be implementation of a derivative instrument or entry into a commodity market that, despite the anticipation of being transacted just once, would still fit the definition of a new instrument or location.

The purpose of defining a process for such transactions as noted above is to ensure that the exposures associated with them are thoroughly reviewed and understood by the Board and appropriate transaction controls are in place. The Board must approve the use of such transactions prior to execution using the process defined below:

- a) Transaction Proposal - The proposal is the responsibility of the person or business group proposing the transaction. The proposal should address the business need, risks, transaction controls, valuation methodology, accounting methodology, operations workflow/ methodology, and assessment of legal and regulatory issues.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

- b) Board Review - The Board will perform a review of the benefits and risks of the proposed transaction. The Board will assess the proposed transaction and make a determination whether to add the proposed transaction to the approved list.
  
- c) Approval (Pilot Program) – The Board may approve limited use of the proposed transaction to ensure that proper controls are in place to monitor the activity. The Board may approve the proposed transaction without instituting a Pilot Program if the proposed transaction is going to be used once (one off), where it would not be prudent to test it in a shorter time frame or smaller quantity due to constraints such as liquidity or length of term of product. The Board will use more scrutiny in approval of one-off transactions.

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

**4. Bilateral Electric Power and Transmission Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for power and power transmission transactions.

Title	Product	Per Transaction Limits (up to)				Per Delivery Day Limits (up to)		Aggregate Limits	
		Term	Lead Time	MW Size	\$/ MWH	Total Volume MWH	Total \$	Total Volume MWH	Total \$
Board	Electric Power and Transmission	No Limit	No Limit	No Max.	No Max.	No Max.	No Max.	No Max.	No Max.
CEO	Electric Power and Transmission	> 1 Year ≤ 3 Years	≤ 2 Years	400	\$150	21,600	\$10.8 million	3,800,000	\$230 million
		≤ 1 Year		No Max.	No Max.				

**Power Authority Matrix Explanations**

- Transaction limits represent the MW volume per hour and dollars/MWH for each transaction executed.
- Per Delivery Day Limits represent the total MWH volume and dollars for all transactions delivered in a given transaction day.
- Aggregate Limits represent the sum total MWH volume and dollars for all forward transactions.
- Lead time represents the time period from the date the transaction is executed to the start of the transaction.
- Authorized products include electric power, both forwards and options, transmission, including both physical and financial derivatives. Options may only be entered into by the Big Rivers CEO or his designee.
- Authority for PJM and MISO products is defined in the authority matrices below.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**Delivery Locations**

Transactions at delivery locations outside the eastern interconnect are not permitted, unless approved by the CEO. Transaction at delivery locations that are normal to the daily course of business for Big Rivers, to the extent transmission is available, are authorized as follows:

**Unrestricted Delivery Locations**

- SERC Reliability Region
- MISO
- PJM
- RFC Reliability Region
- SPP

Transaction at any other delivery locations within the eastern interconnection shall be restricted as follows:

**Restricted Delivery Locations**

Other eastern interconnection locations only with approval by the Big Rivers CEO.

**Firmness of Power**

The product firmness of all transactions must be provided for in an executed agreement between Big Rivers and the appropriate counterparty. Sales commitments must never be more firm than the supply source, including the purchase side of back-to-back sales, swaps, sleeves or spreads unless the Big Rivers CEO gives explicit written authority to sell power that is more firm than the supply source. Energy purchased as firm liquidated damages may be resold as such.

**Transmission Firmness and Volume**

Transmission purchases need to be of equal firmness and volume to the energy component that such transmission purchase is associated with, unless pre-approved otherwise by the Big Rivers CEO. (Note: Purchasing small percentages of additional transmission to cover transmission losses is permitted.) In addition, transmission may be reserved but not utilized if an energy schedule is not confirmed prior to scheduling deadlines outside of Big Rivers' or ACES's control. When this occurs it is not considered a violation of this policy.

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

**5. MISO Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for MISO products.

Title	Product	MISO Per Transaction Limits (up to)			
		Delivery Lead Time	Term	MW Size	\$/MWh
Board	All MISO Products	No Limit	No Limit	No Max	No Max
CEO	Generation Awards	As Required by MISO	1 Operating Day	No Max	MISO Price Cap
	Demand Awards				
	Ancillary Service Awards				
	Capacity	≤ 3 Years	≤ 3 Years	500	
	Financial Transmission Rights	≤ 4 Years	≤ 4 Years	425	\$20
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	No Max	MISO Price Cap
Imports/Exports					

**MISO Authority Matrix Explanations**

- Virtual transaction award limits are per each bid/offer nodal point. Virtual purchase awards and virtual sales awards are monitored separately.
- Imports and exports are per location and are monitored separately.
- Generation Award Limits are per generating unit.
- Demand Award Limits are per each load nodal point.
- Limits for Ancillary Service Awards apply to the Regulation and Operating (Spinning and Supplemental) Reserve Market only.
- Capacity limits apply to bilateral transactions executed to meet MISO resource adequacy requirements such as MISO Zonal Resource Credits (ZRC) as well as capacity transacted via the MISO Capacity Auction.
- Only Financial Transmission Rights that are bought and sold via the annual and monthly auctions or in the secondary market are monitored per the limits above. Participation in the Annual Allocation of financial transmission rights is not considered a transaction subject to this Policy.
- Delivery lead time represents the time period between trade execution and start of flow.

Note that all MISO ISO day-ahead transactions, such as price-sensitive offers and bids for importing and exporting from MISO, are financially firm. Hence an exception from the firmness of power for adjustments to these day ahead transactions intraday is acceptable due to the fact that these adjustments are hourly and non-firm.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
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**6. PJM Transaction Authority (Non-Bilateral)**

The following outlines transaction limits, definitions, and procedural requirements for PJM products.

Title	Product	PJM Per Transaction Limits (up to)			
		Delivery Lead Time	Term	MW Size	\$/MWh
Board	<b>All PJM Products</b>	No Limit	No Limit	No Max	No Max
CEO	Generation Awards	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Demand Awards				
	Ancillary Service Awards				
	Capacity	≤ 4 Years	≤ 4 Years	425	\$20
	Financial Transmission Rights	As Required by PJM	1 Operating Day	No Max	PJM Price Cap
	<b>Virtual Transaction Awards</b>				
<b>Imports/Exports</b>					

**PJM Authority Matrix Explanations**

- Virtual transaction award limits are per each bid/offer nodal point. Incremental purchase awards and decremental sales awards are monitored separately.
- Imports and exports are per location and are each monitored separately.
- Only financial transmission rights that are bought and sold via the annual and monthly auctions or in the secondary market are monitored per the limits above. Participation in the Annual Allocation of financial transmission rights is not considered a transaction subject to this Policy.

Note that PJM RTO day-ahead transactions, such as price-sensitive offers and bids for importing and exporting from PJM are financially firm. Hence an exception from the firmness of power for adjustments to these day ahead transactions intraday is acceptable due to the fact that these adjustments are hourly and non-firm.

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
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**7. Natural/Synthetic Gas and Transportation Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for natural/synthetic gas (Gas) and transportation transactions.

Title	Product	Per Transaction Limits (up to)				Per Delivery Day Limits (up to)		Aggregate Limits (up to)	
		Term	Lead Time	Physical Volume per Day MMBtu	\$/ MMBtu	Physical Volume MMBtu	Total \$	Total Physical Volume MMBtu	Total \$
Board	Gas Products	No Limit	No Limit	No Max.	No Max.	No Max.	No Max.	No Max.	No Max.
CEO	Physical	> 1 Year	≤ 2 Years	25,000	\$15	25,000	\$375,000	1.2 million	\$18 million
		≤ 2 Years		No Max.	No Max.	No Max.	No Max.		

**Gas Authority Matrix Explanations**

- Transaction limits represent the physical MMBtu volume per day and dollars/MMBtu for each transaction executed.
- Per delivery day limits represent the total physical MMBtu volume and dollars for all transactions delivered in a given day.
- Aggregate limits represent the total physical MMBtu volume and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.
- The dollar limits are based upon commodity gas only and do not include transportation, however, the term, lead time, and volume limits do apply to transportation.
- Gas products include physical gas, as well as transportation, imbalance and storage. The above authority matrix applies to both exchange transacted and OTC derivative products.

**Gas Firmness**

The product firmness of all transactions must be provided for in an executed agreement between Big Rivers and the appropriate counterparty. Sales commitments of Gas must never be more firm than the Gas supply source unless pre-approved by the Big Rivers CEO.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**Transportation Firmness and Volume**

Transportation purchases need to be of equal firmness and volume to the Gas component that such transportation purchase is associated with, unless pre-approved otherwise by the Big Rivers CEO.

**Delivery Locations**

Gas transactions may only be executed at the following locations:

- Pipelines and hubs that serve Big Rivers' gas powered generation unit(s).

Physical Gas transactions may only be executed at other locations upon approval of the Big Rivers CEO and such transactions must support the hedging needs of Big Rivers.

<b>Energy Related Transaction Authority Policy</b>				
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Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**8. Fuel Oil Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for physical fuel oil transactions.

Fuel oil hedging will be conducted to hedge price risk associated with fuel oil used for plant start-up or to hedge potential fuel oil or diesel fuel price risk contained within solid fuel contracts.

<u>Title</u>	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Physical - Volume Gallons	\$/Gallon	Total Physical - Volume Gallons	Total \$
Board	Physical Fuel Oil	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Physical Fuel Oil	> 1 Year	≤ 2 Years	1,000,000	\$6	6,000,000	\$36 million
		≤ 3 Years		No Max	No Max		
		≤ 1 Year					

**Fuel Oil Authority Matrix Explanations**

- Transaction limits represent the total gallons and dollars/gallon for each transaction executed.
- Aggregate limits represent the sum total gallon volume and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**9. Solid Fuel Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for solid fuel transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/MMBtu	Total Volume Tons	Total \$
Board	Physical Solid Fuel	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Physical Solid Fuel	> 3 Months	≤ 2 Years	1,500,000	\$2.50	2 million	\$120 million
		≤ 3 Years		200,000	\$2.85		
		≤ 3 Months					

**Solid Fuel Authority Matrix Explanations**

- Authorized products include physical spot and forward transactions and options on physical forwards.
- Per transaction limits represent the total quantity in tons and dollars/MMBtu for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

**10. Solid Fuel Transportation Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for solid fuel transportation transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board	Barge, Rail or Truck Transportation	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Barge, Rail or Truck Transportation	> 1 Year ≤ 3 Years	≤ 2 Years	3 million	\$9	6 million	\$54 million
		≤ 1 Year		No Max	No Max		

**Solid Fuel Transportation Authority Matrix Explanations**

- Authorized products include barge, rail and truck transportation transactions.
- Per transaction limits represent the total quantity in tons and dollars/ton for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**11. Emission Allowances Transaction Authority\***

The following outlines transaction limits, definitions, and procedural requirements for emissions transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board	Federal SO <sub>2</sub> and NO <sub>x</sub> Emission Allowances	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Federal SO <sub>2</sub> Emission Allowances	> 1 Year ≤ 2 Years	≤ 2 Years	5,000	\$500	20,000	\$10 million
		≤ 1 Year		No Max	No Max		
	Federal NO <sub>x</sub> Emission Allowances	> 1 Year ≤ 2 Years		2,500	\$2,500	12,500	\$30 million
		≤ 1 Year		No Max	No Max		

**Emission Allowance Authority Matrix Explanations**

- The authority matrix above represents authority for SO<sub>2</sub> and NO<sub>x</sub> emission allowances.
- Per transaction limits represent the total quantity in tons and dollars/ton for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

**12. Limestone Reagent Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for limestone reagent transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board of Directors	Physical Limestone Reagent	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Physical Limestone Reagent	> 3 Months ≤ 3 Years	≤ 2 Years	750,000	\$20	1.50 million	\$30 million
		≤ 3 Months		No Max	No Max		

**Limestone Reagent Authority Matrix Explanations**

- Authorized products include physical spot and forward transactions and options on physical forwards.
- Per transaction limits represent the total quantity in tons and dollars for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**13. Lime Reagent Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for lime reagent transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board of Directors	Physical Lime Reagent	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Physical Lime Reagent	> 3 Months ≤ 3 Years	≤ 2 Years	650,000	\$200	650,000	\$130 million
		≤ 3 Months		No Max	No Max		

**Lime Reagent Authority Matrix Explanations**

- Authorized products include physical spot and forward transactions and options on physical forwards.
- Per transaction limits represent the total quantity in tons and dollars for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
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**14. MATS Reagent Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for MATS reagent transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board of Directors	MATS Reagent	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	MATS Reagent	> 3 Months ≤ 3 Years	≤ 2 Years	25,000	\$3,000	25,000	\$75 million
		≤ 3 Months		No Max	No Max		

**MATS Reagent Authority Matrix Explanations**

- Authorized products include physical spot and forward transactions and options on physical forwards.
- Per transaction limits represent the total quantity in tons and dollars for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

**15. Acknowledgements**

**Clear Authority and Staff and ACES Authority Delegations**

Where authority is further downward delegated, it must be approved by written signature of the next authority level up prior to any execution. In no case will the delegation of authority to Big Rivers staff or ACES exceed that of the Big Rivers CEO.

**Violations and Sanctions**

Violations of this Authority Policy must not occur. Any person covered by this policy who becomes aware of a violation of the Authority Policy has an affirmative duty to report the violation to their immediate supervisor and to the Director Strategic Planning and Risk Management who in turn shall inform the Big Rivers CEO. However, if it is believed that the Big Rivers CEO is involved then the Big Rivers Chairman of the Board shall be notified. The responsible party (ies) will be sanctioned according to Big Rivers Risk Management Sanctions Policy (for Big Rivers Employees only, ACES employees are governed by the ACES Power Marketing Trading Sanctions Policy).

**Policy Effective**

This Transaction Authority Policy is in effect upon the Board's approval and shall remain in effect until a revised policy has been approved by the Board.

**Responsibility**

It shall be the responsibility of the Board, the CEO, the Big Rivers-IRMC and the ACES-IRMC to ensure compliance with this policy.

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

Number	Date	Notes	Approved by
		Replaced Risk Management Policy for Power Supply	Board
<b>Original</b>	06/15/2007	Trading Authority Policy w/o matrices	Board
<b>Rev 1</b>	10/16/2009	Name change to Energy Related Transaction Authority Policy with matrices	Board
<b>Rev 2</b>	11/19/2010	MISO Transaction Authority added	Board
<b>Rev 3</b>	12/17/2010	Updated Solid Fuel Transaction Authority	Board
<b>Rev 4</b>	03/18/2011	Added limestone and lime, general cleanup	Board
<b>Rev 5</b>	02/21/2012	Made revisions to account for retirement of Senior VP Energy Services	Board
<b>Rev 6</b>	02/14/2013	Changed VP Production to Chief Operating Officer. Changed Vice President of Governmental Relations and Enterprise Risk Management to Director Enterprise Risk Management/Strategic Planning. Under MISO, changed Aggregate Planning Resource Credits to Zonal Resource Credits.	
<b>Rev. 7</b>	03/21/2014	Add date last reviewed line and correct section 4 to comply with Appendix	Board
<b>Rev. 8</b>	08/15/2014	Remove reference to Chief Operating Officer	Board
<b>Rev. 9</b>	02/20/2015	Added MATS reagents transaction authority; updated transaction authority for bilateral electric power and transmission and lime reagent; general clean up	Board



# BOARD POLICY

Policy Number: 105

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
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Energy Related Transaction Authority Policy

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## 1. Policy Purpose

The purpose of this policy is to define the authority granted by the Big Rivers Electric Corporation ("Big Rivers") Board of Directors ("Board") to the President & Chief Executive Officer ("CEO") to execute, or to delegate authority to execute energy-related transactions. Furthermore, it sets forth clarity and empowerment among those with transaction authority and is designed to encourage communication among individuals with transaction authority and the Board.

## 2. Objective

The objective of Big Rivers' Energy Related Transaction Authority Policy is to define:

- Who has authority to execute transactions,
- The commodities and products that can be transacted,
- The authorized lead-time and term for each transaction,
- The authorized maximum price and volume,
- Counterparty contract and credit requirements,
- The process for approving new commodities, products or locations,
- Big Rivers' intention regarding hedging and speculating,
- Other relevant factors associated with due diligence in authorizing transactions to be executed.

## 3. Procedural Requirements

The following defines the procedural requirements that apply to all commodities and products transacted pursuant to this policy.

### Execution Authority

Execution Authority is outlined by commodity in the authority matrix sections found below. All column limits in these matrices are applied independently of one another for each authority level, in that no individual column limit may be exceeded without authorization, regardless of whether a transaction does not exceed another column limit for that same authority level. Limits for each level of authority are cumulative, and include all column limits up to and including that level. The authority granted in this policy should not violate any other policy limits.

The transaction limits apply to both purchases and sales. Daily limits are applied to gross amounts transacted in total for the day, and not to purchases and sales netted together.

This policy identifies Board-authorized levels for the CEO and explicitly gives the CEO the authority to delegate authority levels to Big Rivers' staff and ACES Power Marketing ("ACES"). The CEO has the authority to modify delegated authority levels (noted in Appendix A) at his sole discretion as long as the delegated authority does not exceed his own authority per this policy.

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## BOARD POLICY

Policy Number: 105

### Energy Related Transaction Authority Policy

Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	<b>BOARD</b>



#### Contract Requirements

Transactions with counterparties shall only be permitted if Big Rivers has either:

- An active, valid, and executed agreement enabling such transaction activity with that counterparty,
- Long-form confirmations may be used as a valid agreement in lieu of a permanent agreement, when necessary if approved in writing by the Big Rivers CEO.

#### Credit Requirements

Credit limits for each counterparty shall not be intentionally exceeded. *(Note: Since credit exposures are a function of not only positions transacted, but also a function of market pricing and volatility, credit exposure to counterparty may unintentionally exceed a credit limit purely due to changes in the forward market).*

Entering into unsecured transactions with a counterparty that has total credit exposure greater than or equal to its open line of credit and the total of any security currently provided will not be allowed unless approved in writing by the Big Rivers CEO.

#### Credit Sleeving

All sleeving transactions for credit purposes shall be approved by the CEO. *(Note: Sleeving is an arrangement where a more financially reputable entity acts as middleman for a smaller, undercapitalized entity in the purchase or sale of power.)*

#### Contract Sleeving

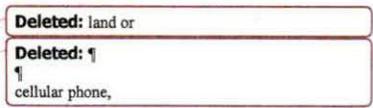
This policy does not prohibit Big Rivers from being positioned between another member or customer of ACES and an external counterparty in order to bridge a contract gap that exists. The sleeve must:

- Be only for physical power, transmission or natural gas, not transportation,
- Be only for terms of one month or less.

Contract sleeving on behalf of Big Rivers is approved when it is either the only or the most economical path to pursue at the discretion of ACES, with prompt after-the-fact notice to the Big Rivers CEO.

#### Transaction Communications

All communications for bilateral electric power transactions must be transacted via a recorded communication method. Examples include, but are not limited to, voice recorded communication, instant messaging, email or via an online broker account. Recorded communications must be maintained and controlled by personnel who are independent of the transaction function.



#### Deal Capture



**BOARD POLICY**

Policy Number: 105

**Energy Related Transaction Authority Policy**

Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
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Energy Related Transaction Authority Policy

Power transactions executed by a Big Rivers employee must be promptly forwarded to ACES after the deal execution.

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**Speculation**

Speculation refers to a purchase or sales transaction in which the intent was to realize a profit without taking physical delivery. No speculative transaction activities shall be permitted, and no speculative transaction positions shall be initiated. Transactions will be permitted only for purposes of hedging and portfolio optimization.

**Non-Standard Products**

The Board must pre-approve any transaction that involves commodities or products not listed in this policy.

**Transactions Requiring Board Approval**

Transactions which meet any of the following criteria must be pre-approved by the Board prior to execution:

- The transaction is a new commodity or within the list of commodities not previously transacted by Big Rivers,
- The transaction is at a location in which no transactions are permitted,
- The transaction is for something other than: physical spot or forward electricity, natural gas, fuel oil, solid fuel, ancillary services, capacity, power transmission, financial transmission rights, gas transportation, gas imbalance and storage, solid fuel transportation, exchange transacted energy products, over-the-counter (OTC) financial energy transactions, OTC energy options, federal SO<sub>2</sub> or NO<sub>x</sub> emission allowances, renewable energy credits or a unit outage insurance product.

Examples of new instruments would include the use of derivatives with different risk characteristics or the use of derivatives to implement different business strategies or goals. New instruments or locations would also include those instruments or locations that may be transacted on a "one-off" basis, which would be implementation of a derivative instrument or entry into a commodity market that, despite the anticipation of being transacted just once, would still fit the definition of a new instrument or location.

The purpose of defining a process for such transactions as noted above is to ensure that the exposures associated with them are thoroughly reviewed and understood by the Board and appropriate transaction controls are in place. The Board must approve the use of such transactions prior to execution using the process defined below:

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- a) Transaction Proposal - The proposal is the responsibility of the person or business group proposing the transaction. The proposal should address the business need, risks, transaction controls, valuation methodology, accounting methodology, operations workflow/ methodology, and assessment of legal and regulatory issues.



**BOARD POLICY**

Policy Number: 105

**Energy Related Transaction Authority Policy**

Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

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Energy Related Transaction Authority Policy

- b) Board Review - The Board will perform a review of the benefits and risks of the proposed transaction. The Board will assess the proposed transaction and make a determination whether to add the proposed transaction to the approved list.
- c) Approval (Pilot Program) – The Board may approve limited use of the proposed transaction to ensure that proper controls are in place to monitor the activity. The Board may approve the proposed transaction without instituting a Pilot Program if the proposed transaction is going to be used once (one off), where it would not be prudent to test it in a shorter time frame or smaller quantity due to constraints such as liquidity or length of term of product. The Board will use more scrutiny in approval of one-off transactions.



**BOARD POLICY**

Policy Number: 105

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

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Your Touchstone Energy Cooperative

Energy Related Transaction Authority Policy

**4. Bilateral Electric Power and Transmission Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for power and power transmission transactions.

Title	Product	Per Transaction Limits (up to)				Per Delivery Day Limits (up to)		Aggregate Limits	
		Term	Lead Time	MW Size	\$/MWH	Total Volume MWH	Total \$	Total Volume MWH	Total \$
Board	Electric Power and Transmission	No Limit	No Limit	No Max.	No Max.	No Max.	No Max.	No Max.	No Max.
CEO	Electric Power and Transmission	> 1 Year	≤ 2 Years	400	\$150	21,600	\$10.8 million	3,800,000	\$230 million
		≤ 3 Years		No Max.	No Max.				
		≤ 1 Year		No Max.	No Max.				

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**Power Authority Matrix Explanations**

- Transaction limits represent the MW volume per hour and dollars/MWH for each transaction executed.
- Per Delivery Day Limits represent the total MWH volume and dollars for all transactions delivered in a given transaction day.
- Aggregate Limits represent the sum total MWH volume and dollars for all forward transactions.
- Lead time represents the time period from the date the transaction is executed to the start of the transaction.
- Authorized products include electric power, both forwards and options, transmission, including both physical and financial derivatives. Options may only be entered into by the Big Rivers CEO or his designee.
- Authority for PJM and MISO products is defined in the authority matrices below.



**BOARD POLICY**

Policy Number: 105

**Energy Related Transaction Authority Policy**

Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

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Your Touchstone Energy Cooperative

Energy Related Transaction Authority Policy

**Delivery Locations**

Transactions at delivery locations outside the eastern interconnect are not permitted, unless approved by the CEO. Transaction at delivery locations that are normal to the daily course of business for Big Rivers, to the extent transmission is available, are authorized as follows:

**Unrestricted Delivery Locations**

- SERC Reliability Region
- MISO
- PJM
- RFC Reliability Region
- SPP

Transaction at any other delivery locations within the eastern interconnection shall be restricted as follows:

**Restricted Delivery Locations**

Other eastern interconnection locations only with approval by the Big Rivers CEO.

**Firmness of Power**

The product firmness of all transactions must be provided for in an executed agreement between Big Rivers and the appropriate counterparty. Sales commitments must never be more firm than the supply source, including the purchase side of back-to-back sales, swaps, sleeves or spreads unless the Big Rivers CEO gives explicit written authority to sell power that is more firm than the supply source. Energy purchased as firm liquidated damages may be resold as such.

**Transmission Firmness and Volume**

Transmission purchases need to be of equal firmness and volume to the energy component that such transmission purchase is associated with, unless pre-approved otherwise by the Big Rivers CEO. (Note: Purchasing small percentages of additional transmission to cover transmission losses is permitted.) In addition, transmission may be reserved but not utilized if an energy schedule is not confirmed prior to scheduling deadlines outside of Big Rivers' or ACES's control. When this occurs it is not considered a violation of this policy.

Energy Related Transaction Authority Policy					
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by	
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	<b>BOARD</b>	

**5. MISO Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for MISO products.

Title	Product	MISO Per Transaction Limits (up to)			
		Delivery Lead Time	Term	MW Size	\$/MWh
Board	All MISO Products	No Limit	No Limit	No Max	No Max
CEO	Generation Awards	As Required by MISO	1 Operating Day	No Max	MISO Price Cap
	Demand Awards				
	Ancillary Service Awards				
	Capacity	≤ 3 Years	≤ 3 Years	500	
	Financial Transmission Rights	≤ 4 Years	≤ 4 Years	425	\$20
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	No Max	MISO Price Cap
Imports/Exports					

**MISO Authority Matrix Explanations**

- Virtual transaction award limits are per each bid/offer nodal point. Virtual purchase awards and virtual sales awards are monitored separately.
- Imports and exports are per location and are monitored separately.
- Generation Award Limits are per generating unit.
- Demand Award Limits are per each load nodal point.
- Limits for Ancillary Service Awards apply to the Regulation and Operating (Spinning and Supplemental) Reserve Market only.
- Capacity limits apply to bilateral transactions executed to meet MISO resource adequacy requirements such as MISO Zonal Resource Credits (ZRC) as well as capacity transacted via the MISO Capacity Auction.
- Only Financial Transmission Rights that are bought and sold via the annual and monthly auctions or in the secondary market are monitored per the limits above. Participation in the Annual Allocation of financial transmission rights is not considered a transaction subject to this Policy.
- Delivery lead time represents the time period between trade execution and start of flow.

Note that all MISO ISO day-ahead transactions, such as price-sensitive offers and bids for importing and exporting from MISO, are financially firm. Hence an exception from the firmness of power for adjustments to these day ahead transactions intraday is acceptable due to the fact that these adjustments are hourly and non-firm.



**BOARD POLICY**

Policy Number: **105**

**Energy Related Transaction Authority Policy**

Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

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Your Touchstone Energy Cooperative

Energy Related Transaction Authority Policy

**6. PJM Transaction Authority (Non-Bilateral)**

The following outlines transaction limits, definitions, and procedural requirements for PJM products.

Title	Product	PJM Per Transaction Limits (up to)			
		Delivery Lead Time	Term	MW Size	\$/MWh
Board	<b>All PJM Products</b>	No Limit	No Limit	No Max	No Max
CEO	Generation Awards	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Demand Awards				
	Ancillary Service Awards				
	Capacity	≤ 4 Years	≤ 4 Years	425	\$20
	Financial Transmission Rights	As Required by PJM	1 Operating Day	No Max	PJM Price Cap

**PJM Authority Matrix Explanations**

- Virtual transaction award limits are per each bid/offer nodal point. Incremental purchase awards and decremental sales awards are monitored separately.
- Imports and exports are per location and are each monitored separately.
- Only financial transmission rights that are bought and sold via the annual and monthly auctions or in the secondary market are monitored per the limits above. Participation in the Annual Allocation of financial transmission rights is not considered a transaction subject to this Policy.

Note that PJM RTO day-ahead transactions, such as price-sensitive offers and bids for importing and exporting from PJM are financially firm. Hence an exception from the firmness of power for adjustments to these day ahead transactions intraday is acceptable due to the fact that these adjustments are hourly and non-firm.

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

**7. Natural/Synthetic Gas and Transportation Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for natural/synthetic gas (Gas) and transportation transactions.

Title	Product	Term	Lead Time	Per Transaction Limits (up to)		Per Delivery Day Limits (up to)		Aggregate Limits (up to)	
				Physical Volume per Day MMBtu	\$/MMBtu	Physical Volume MMBtu	Total \$	Total Physical Volume MMBtu	Total \$
Board	Gas Products	No Limit	No Limit	No Max.	No Max.	No Max.	No Max.	No Max.	No Max.
CEO	Physical	> 1 Year	≤ 2 Years	25,000	\$15	25,000	\$375,000	1.2 million	\$18 million
		≤ 1 Year		No Max.	No Max.	No Max.	No Max.		

**Gas Authority Matrix Explanations**

- Transaction limits represent the physical MMBtu volume per day and dollars/MMBtu for each transaction executed.
- Per delivery day limits represent the total physical MMBtu volume and dollars for all transactions delivered in a given day.
- Aggregate limits represent the total physical MMBtu volume and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.
- The dollar limits are based upon commodity gas only and do not include transportation, however, the term, lead time, and volume limits do apply to transportation.
- Gas products include physical gas, as well as transportation, imbalance and storage. The above authority matrix applies to both exchange transacted and OTC derivative products.

**Gas Firmness**

The product firmness of all transactions must be provided for in an executed agreement between Big Rivers and the appropriate counterparty. Sales commitments of Gas must never be more firm than the Gas supply source unless pre-approved by the Big Rivers CEO.



**BOARD POLICY**

Policy Number: 105

**Energy Related Transaction Authority Policy**

Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

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Your Touchstone Energy Cooperative

Energy Related Transaction Authority Policy

**Transportation Firmness and Volume**

Transportation purchases need to be of equal firmness and volume to the Gas component that such transportation purchase is associated with, unless pre-approved otherwise by the Big Rivers CEO.

**Delivery Locations**

Gas transactions may only be executed at the following locations:

- Pipelines and hubs that serve Big Rivers' gas powered generation unit(s).

Physical Gas transactions may only be executed at other locations upon approval of the Big Rivers CEO and such transactions must support the hedging needs of Big Rivers.

**Energy Related Transaction Authority Policy**

Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

**8. Fuel Oil Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for physical fuel oil transactions.

Fuel oil hedging will be conducted to hedge price risk associated with fuel oil used for plant start-up or to hedge potential fuel oil or diesel fuel price risk contained within solid fuel contracts.

<u>Title</u>	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Physical - Volume Gallons	\$/Gallon	Total Physical - Volume Gallons	Total \$
Board	Physical Fuel Oil	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Physical Fuel Oil	> 1 Year	≤ 2 Years	1,000,000	\$6	6,000,000	\$36 million
		≤ 3 Years		No Max	No Max		
		≤ 1 Year					

**Fuel Oil Authority Matrix Explanations**

- Transaction limits represent the total gallons and dollars/gallon for each transaction executed.
- Aggregate limits represent the sum total gallon volume and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.



**BOARD POLICY**

Policy Number: 105

**Energy Related Transaction Authority Policy**

Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

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**9. Solid Fuel Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for solid fuel transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/MMBtu	Total Volume Tons	Total \$
Board	Physical Solid Fuel	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Physical Solid Fuel	> 3 Months	≤ 2 Years	1,500,000	\$2.50	2 million	\$120 million
		≤ 3 Years		200,000	\$2.85		
		≤ 3 Months					

**Solid Fuel Authority Matrix Explanations**

- Authorized products include physical spot and forward transactions and options on physical forwards.
- Per transaction limits represent the total quantity in tons and dollars/MMBtu for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.



Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

**10. Solid Fuel Transportation Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for solid fuel transportation transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board	Barge, Rail or Truck Transportation	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Barge, Rail or Truck Transportation	> 1 Year	≤ 2 Years	3 million	\$9	6 million	\$54 million
		≤ 3 Years		No Max	No Max		
		≤ 1 Year					

**Solid Fuel Transportation Authority Matrix Explanations**

- Authorized products include barge, rail and truck transportation transactions.
- Per transaction limits represent the total quantity in tons and dollars/ton for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

**11. Emission Allowances Transaction Authority\***

The following outlines transaction limits, definitions, and procedural requirements for emissions transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board	Federal SO <sub>2</sub> and NO <sub>x</sub> Emission Allowances	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Federal SO <sub>2</sub> Emission Allowances	> 1 Year ≤ 2 Years	≤ 2 Years	5,000	\$500	20,000	\$10 million
		≤ 1 Year		No Max	No Max		
	Federal NO <sub>x</sub> Emission Allowances	> 1 Year ≤ 2 Years		2,500	\$2,500	12,500	\$30 million
		≤ 1 Year		No Max	No Max		

**Emission Allowance Authority Matrix Explanations**

- The authority matrix above represents authority for SO<sub>2</sub> and NO<sub>x</sub> emission allowances.
- Per transaction limits represent the total quantity in tons and dollars/ton for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.

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 ¶ Per Appendix A of the Kentucky Public Service Commission order dated March 6, 2009 in case 2007-00455 Big Rivers commits to not sell SO<sub>2</sub> allowances in its inventory (excluding the 14,000 SO<sub>2</sub> allowances acquired in conjunction with the Unwind Transaction) unless the sale is cost-effective based on a written policy which reflects short- and long-term allowance needs and prices.¶



**BOARD POLICY**

Policy Number: 105

**Energy Related Transaction Authority Policy**

Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	



**12. Limestone Reagent Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for limestone reagent transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board of Directors	Physical Limestone Reagent	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Physical Limestone Reagent	> 3 Months	≤ 2 Years	750,000	\$20	1.50 million	\$30 million
		≤ 3 Years		No Max	No Max		

**Limestone Reagent Authority Matrix Explanations**

- Authorized products include physical spot and forward transactions and options on physical forwards.
- Per transaction limits represent the total quantity in tons and dollars for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.



**BOARD POLICY**

Policy Number: 105

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

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Your Touchstone Energy Cooperative

Energy Related Transaction Authority Policy

**13. Lime Reagent Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for lime reagent transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board of Directors	Physical Lime Reagent	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	Physical Lime Reagent	> 3 Months	≤ 2 Years	650,000	\$200	650,000	\$130 million
		≤ 3 Years		No Max	No Max		
		≤ 3 Months					

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**Lime Reagent Authority Matrix Explanations**

- Authorized products include physical spot and forward transactions and options on physical forwards.
- Per transaction limits represent the total quantity in tons and dollars for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.



**BOARD POLICY**

Policy Number: 105

<b>Energy Related Transaction Authority Policy</b>				
Original Effective Date	<b>06/15/2007</b>	Date Last Reviewed	<b>02/20/2015</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>02/20/2015</b>	

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Your Touchstone Energy Cooperative

Energy Related Transaction Authority Policy

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**14. MATS Reagent Transaction Authority**

The following outlines transaction limits, definitions, and procedural requirements for MATS reagent transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Board of Directors	MATS Reagent	No Limit	No Limit	No Max	No Max	No Max	No Max
CEO	MATS Reagent	> 3 Months	≤ 2 Years	25,000	\$3,000	25,000	\$75 million
		≤ 3 Years		No Max	No Max		
		≤ 3 Months					

**MATS Reagent Authority Matrix Explanations**

- Authorized products include physical spot and forward transactions and options on physical forwards.
- Per transaction limits represent the total quantity in tons and dollars for each transaction executed.
- Aggregate limits represent the sum total quantity in tons and dollars for all forward transactions.
- Lead time represents the time period from the date a transaction is executed to the start of the transaction.



**BOARD POLICY**

Policy Number: 105

Energy Related Transaction Authority Policy				
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015	Approved by <b>BOARD</b>
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015	

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Your Touchstone Energy Cooperative

Energy Related Transaction Authority Policy

**15. Acknowledgements**

**Clear Authority and Staff and ACES Authority Delegations**

Where authority is further downward delegated, it must be approved by written signature of the next authority level up prior to any execution. In no case will the delegation of authority to Big Rivers staff or ACES exceed that of the Big Rivers CEO.

**Violations and Sanctions**

Violations of this Authority Policy must not occur. Any person covered by this policy who becomes aware of a violation of the Authority Policy has an affirmative duty to report the violation to their immediate supervisor and to the Director Strategic Planning and Risk Management who in turn shall inform the Big Rivers CEO. However, if it is believed that the Big Rivers CEO is involved then the Big Rivers Chairman of the Board shall be notified. The responsible party (ies) will be sanctioned according to Big Rivers Risk Management Sanctions Policy (for Big Rivers Employees only, ACES employees are governed by the ACES Power Marketing Trading Sanctions Policy).

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**Policy Effective**

This Transaction Authority Policy is in effect upon the Board's approval and shall remain in effect until a revised policy has been approved by the Board.

**Responsibility**

It shall be the responsibility of the Board, the CEO, the Big Rivers-IRMC and the ACES-IRMC to ensure compliance with this policy.



**BOARD POLICY**

Policy Number: 105

Energy Related Transaction Authority Policy			
Original Effective Date	06/15/2007	Date Last Reviewed	02/20/2015
Original Approval Date	06/15/2007	Date Last Revised	02/20/2015
			Approved by <b>BOARD</b>

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Energy Related Transaction Authority Policy

Number	Date	Notes	Approved by
		Replaced Risk Management Policy for Power Supply	Board
<b>Original</b>	06/15/2007	Trading Authority Policy w/o matrices	Board
<b>Rev 1</b>	10/16/2009	Name change to Energy Related Transaction Authority Policy with matrices	Board
<b>Rev 2</b>	11/19/2010	MISO Transaction Authority added	Board
<b>Rev 3</b>	12/17/2010	Updated Solid Fuel Transaction Authority	Board
<b>Rev 4</b>	03/18/2011	Added limestone and lime, general cleanup	Board
<b>Rev 5</b>	02/21/2012	Made revisions to account for retirement of Senior VP Energy Services	Board
<b>Rev 6</b>	02/14/2013	Changed VP Production to Chief Operating Officer. Changed Vice President of Governmental Relations and Enterprise Risk Management to Director Enterprise Risk Management/Strategic Planning. Under MISO, changed Aggregate Planning Resource Credits to Zonal Resource Credits.	
<b>Rev. 7</b>	03/21/2014	Add date last reviewed line and correct section 4 to comply with Appendix	Board
<b>Rev. 8</b>	08/15/2014	Remove reference to Chief Operating Officer	Board
<b>Rev. 9</b>	02/20/2015	Added MATS reagents transaction authority; updated transaction authority for bilateral electric power and transmission and lime reagent; general clean up	Board

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**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 16)**

- 2           a. *State whether Big Rivers is aware of any violations of its*  
3           *policies and procedures regarding fuel procurement that*  
4           *occurred prior to or during the period from November 1,*  
5           *2014, through April 30, 2015.*  
6           b. *If yes, for each violation:*  
7           *(1) Describe the violation;*  
8           *(2) Describe the action(s) that Big Rivers took upon*  
9           *discovering the violation; and*  
10          *(3) Identify the person(s) who committed the violation.*

11

12 **Response)**

- 13           a. Big Rivers is unaware of any violations of its policies and  
14           procedures regarding fuel procurement that occurred during the  
15           period November 1, 2014, through April 30, 2015. Big Rivers is  
16           also unaware of any previously unreported violations of its  
17           policies and procedures regarding fuel procurement.  
18           b. Not applicable.

19

20

21 **Witnesses) Mark W. McAdams and**

22           Wayne O'Bryan

23

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 *Item 17) Identify and explain the reasons for all changes in the*  
2 *organizational structure and personnel of the departments or divisions*  
3 *that are responsible for Big Rivers' fuel procurement activities that*  
4 *occurred during the period from November 1, 2014, through April 30, 2015.*  
5

6 **Response)** As Big Rivers previously reported in its response, filed February 20,  
7 2015, to Item 33 of the Commission Staff's Request for Information dated  
8 February 5, 2015, in Case No. 2014-00455 ("Big Rivers' February 20 FAC  
9 Response"), on November 14, 2014, Robert W. Berry, Big Rivers' President and  
10 CEO, announced the appointment of Matthew T. Moore as Interim Vice President  
11 Energy Services. Mr. Moore replaced Lindsay N. Barron who, following an  
12 October 30, 2014, announcement from Mr. Berry, became Big Rivers' Chief  
13 Financial Officer. Also as previously reported in Big Rivers' February 20 FAC  
14 Response, on January 29, 2015, Mr. Berry announced the appointment of Michael  
15 T. Pullen as Vice President Production. James R. Garrett, previously Big Rivers'  
16 Interim Vice President Production, retired effective March 3, 2015. Mr. Pullen  
17 joined Big Rivers on February 10, 2015. Finally, on March 12, 2015, Mr. Berry  
18 announced the appointment of Mark J. Eacret as Vice President Energy Services.  
19 Mr. Eacret joined Big Rivers on April 6, 2015. Mr. Moore, previously Big Rivers'  
20 Interim Vice President Energy Services returned to ACES in March 2015.

21 Two sets of charts reflecting these changes, and each dated as of  
22 April 30, 2015, are attached. One set is for Big Rivers' Coal Fuels Procurement  
23 Organization; the other set is for Big Rivers' Natural Gas Procurement  
24 Organization.

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1

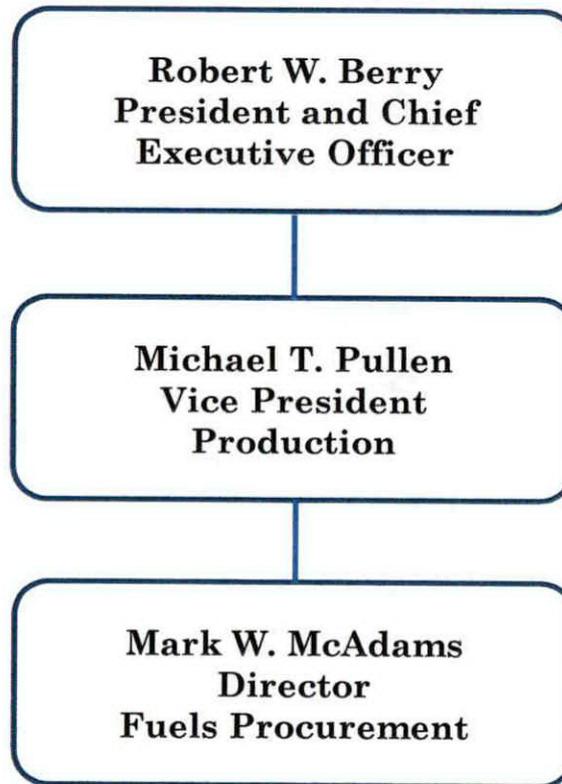
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3 **Witnesses) Mark W. McAdams (Coal) and**

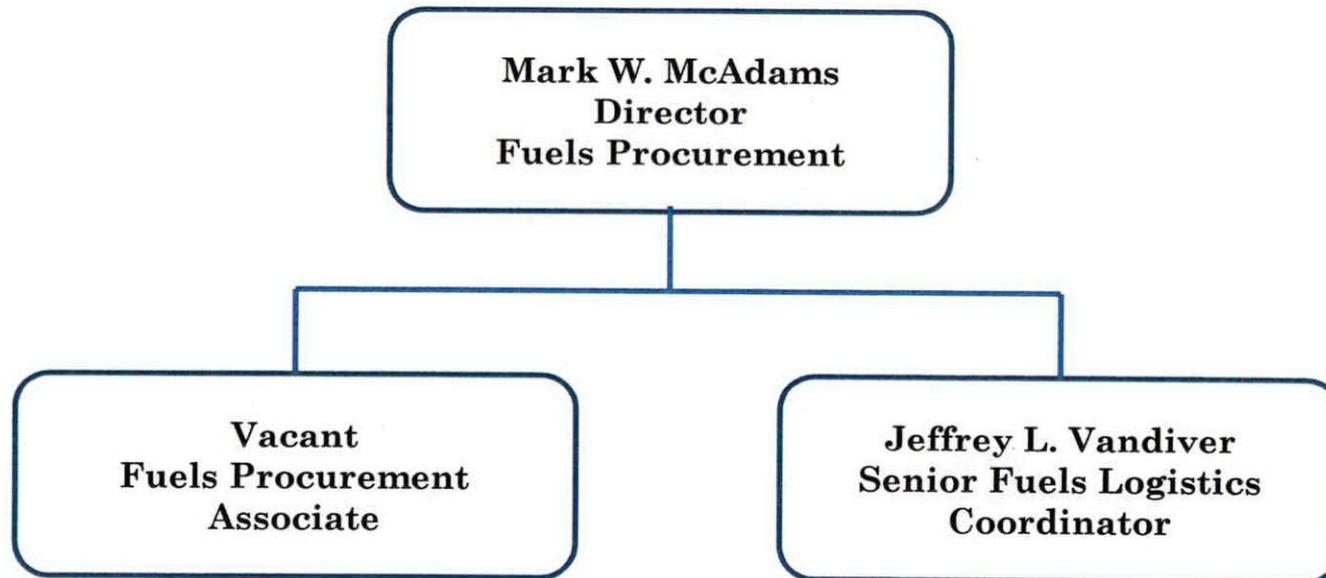
4 **Wayne O'Bryan (Natural Gas)**

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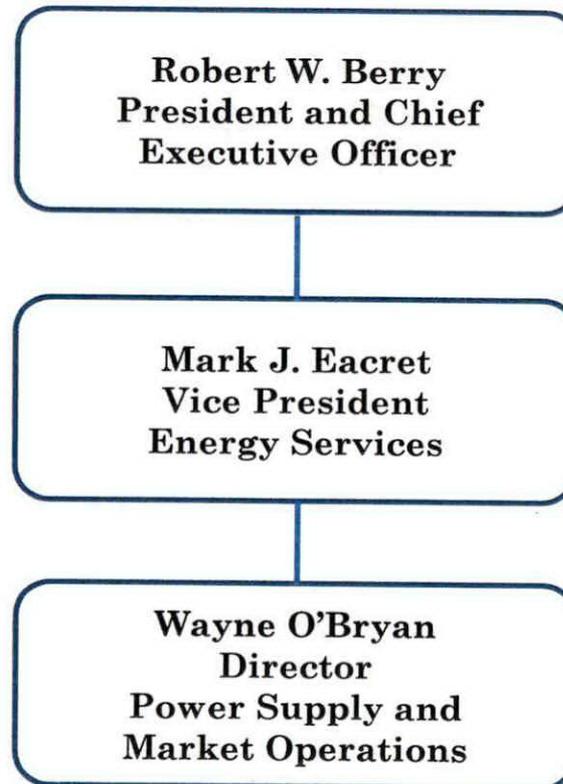
**Big Rivers Electric Corporation  
Case No. 2015-00237  
Coal Fuels Procurement Organization  
April 30, 2015**



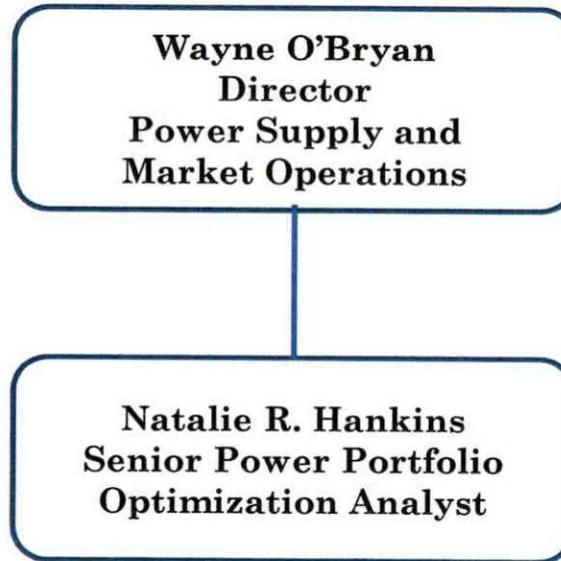
**Big Rivers Electric Corporation  
Case No. 2015-00237  
Coal Fuels Procurement Organization  
April 30, 2015**



**Big Rivers Electric Corporation  
Case No. 2015-00237  
Natural Gas Procurement Organization  
April 30, 2015**



**Big Rivers Electric Corporation  
Case No. 2015-00237  
Natural Gas Procurement Organization  
April 30, 2015**



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 18)**

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

8  
9 **Response)**

- 10           a. During the period under review, Big Rivers had scheduled a  
11 twenty-one (21) day maintenance outage on Henderson  
12 Municipal Power & Light ("HMP&L") Unit 2 ( along with Unit 1  
13 sometimes referred to as Station II) beginning March 14, 2015,  
14 through April 4, 2015. Big Rivers' Production and Energy  
15 Services Departments evaluated the HMP&L Unit 2 outage and  
16 calculated a cost savings for extending the outage from twenty-  
17 one (21) days to forty-eight (48) days and working no overtime.  
18 Due to depressed power prices the outage was rescheduled for  
19 forty-eight days, March 14 through April 30.  
20           b. For the additional twenty-seven (27) days that HMP&L Unit 2  
21 was off line, Big Rivers burned approximately 34,714 less tons of  
22 coal than were included in the originally approved operating  
23 plan.

24  
25 **Witness)** Lawrence V. Baronowsky

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
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**August 28, 2015**

1 **Item 19) List each written coal supply solicitation issued during the**  
2 **period from November 1, 2014, through April 30, 2015.**

3

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

10 **b. For each solicitation, state the number of vendors to**  
11 **whom the solicitation was sent, the number of vendors**  
12 **who responded, and the selected vendor. Provide the bid**  
13 **tabulation sheet or corresponding document that ranked**  
14 **the proposals. (This document should identify all vendors**  
15 **who made offers.) State the reasons for each selection.**  
16 **For each lowest-cost bid not selected, explain why the bid**  
17 **was not selected.**

18

19 **Response) BRE 15-02.(Q4 2015 Spot and Term Solicitation 2016-2020)**

20

**a.**

21

**i. Date solicitation was issued: April 15, 2015.**

22

**Date solicitation was returned: May 6, 2015.**

23

**ii. Type of solicitation: Spot 2015 and Term (2016 – 2020) written**  
24 **bid solicitation (web-based distribution).**

24

25

**iii. Quantities solicited: Spot Q4 2015: 25,000 tons per month;**

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- 1 Term (2016 – 2020): Up to 500,000 tons  
2 per year.
- 3 iv. Quality of coal solicited:  
4 (a) BTU/lb.: 10,500 to 13,500;  
5 (b) Ash %: 1.00 to 15.00;  
6 (c) Moisture %: 10.00 to 12.00;  
7 (d) Sulfur (lbs SO<sub>2</sub>): 5.50 to 8.50.
- 8 v. Time period over which deliveries were requested:  
9 (a) Spot solicitation: October through December 2015.  
10 (b) Term solicitation: Years 2016 through 2020.
- 11 vi. Generating units for which the coal was intended include:  
12 Green, HMP&L Station Two, Reid, and Wilson.
- 13 b.  
14 i. Number of vendors solicited: The coal solicitation was posted  
15 to Big Rivers' website for supplier review, print-out, and  
16 written bid proposal submission. Big Rivers also notified coal  
17 and petroleum coke journals for industry notification of the  
18 placement of the solicitation on the website and referral to the  
19 web address for review and download. The website software  
20 captures unique visitors (which are counted only once,  
21 eliminating in the total count visitors who view the website  
22 multiple times). In total, there were 64 unique visitors to the  
23 website to review bid BREC-15-02.  
24

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- 1           ii. Responding vendors: Twelve (12) companies replied to the  
2           spot and term bid solicitation providing 18 differing offers of  
3           supply.  
4           iii. Selected vendors:  
5           (a) *Spot fuel supply*: TCP Pet Coke provided a petroleum coke  
6           offer for third and fourth quarters of 2015 and was selected  
7           for spot petroleum coke from the CITGO/Lemont, IL  
8           Refinery via barge.  
9           (b) *Term fuel supply*:   
10             
11             
12             
13             
14           iv. The bid tabulation spreadsheet is being provided under a  
15           Petition for Confidential Treatment. Several of the desired  
16           term contracts remain in negotiation at this time.  
17           v. The rationale for each selection is as follows:  
18           (a) *Selected spot coal vendors*:  
19           TCP Pet Coke – provided a competitive offer of spot  
20           petroleum coke from the CITGO/Lemont, IL Refinery via  
21           barge delivery to either Green or Wilson Station. TCP has  
22           been a spot supplier of pet coke for some time and the  
23           refinery has made a consistent pet coke product suitable for  
24           blending at either generating station. The pricing is more  
25           competitive than coal; but, the quality (volatility and

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1 sulfur) require that the pet coke be blended at a ratio with  
2 coal. The pet coke offer was the most competitive spot offer  
3 provided in bid BREC-15-02. A large portion of the pet coke  
4 supply provided under this spot agreement will be  
5 inventoried and utilized in blending with coal during early  
6 to mid-2016.

7 No other spot solid fuel suppliers were selected due to  
8 current and projected inventory levels at Big Rivers.

9 (b) *Selected term coal vendors:*

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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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CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

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(c) *Non-Selected suppliers:*



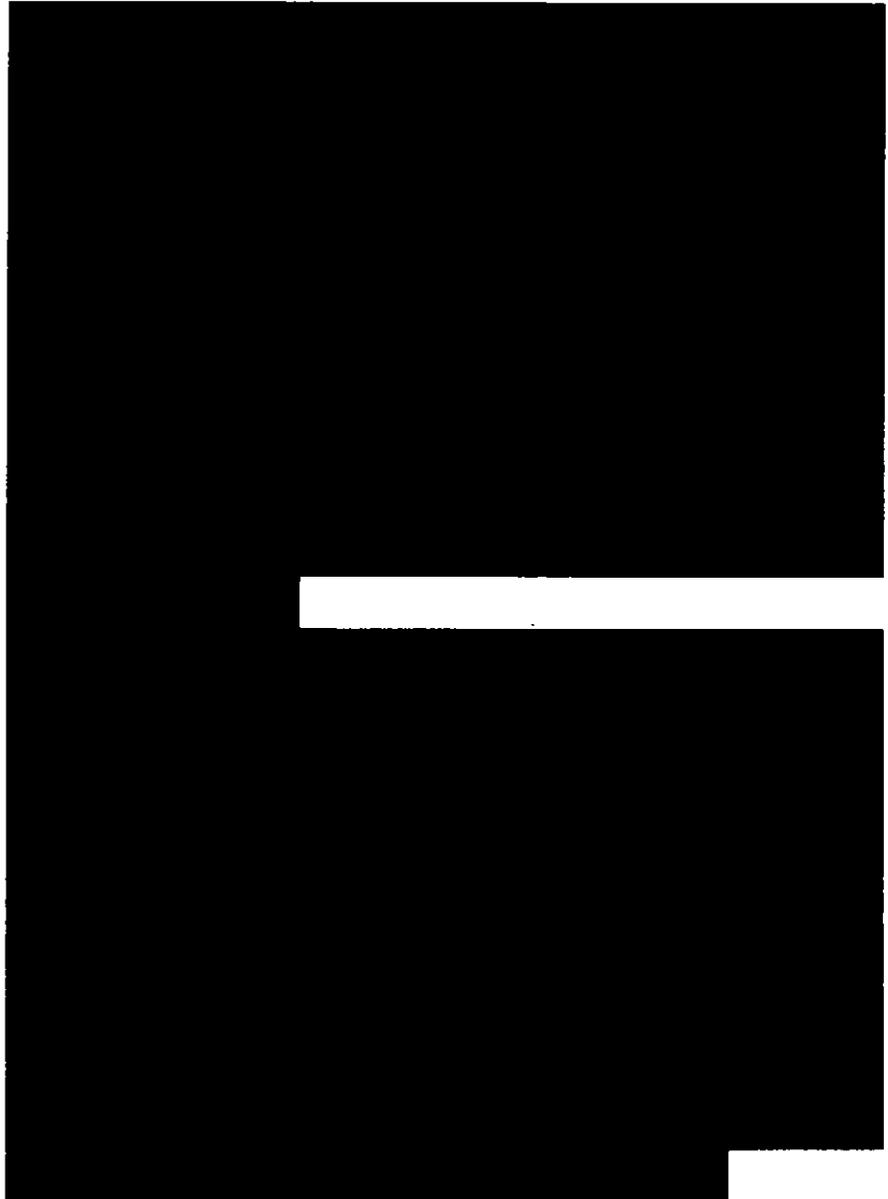
**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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**Response to Commission Staff's Request for Information  
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**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
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dated August 14, 2015**

**August 28, 2015**

1

2

3 **Witness) Mark W. McAdams**

4

In the Matter of:

AN EXAMINATION OF THE APPLICATION	)	
OF THE FUEL ADJUSTMENT CLAUSE OF	)	
BIG RIVERS ELECTRIC CORPORATION	)	Case No.
FROM NOVEMBER 1, 2014	)	2015-00237
THROUGH APRIL 30, 2015	)	

**CONFIDENTIAL RESPONSE** to  
Item 19.b.iv of the Commission Staff's Data Request  
dated August 14, 2015  
FILED: August 28, 2015

**INFORMATION SUBMITTED UNDER PETITION FOR  
CONFIDENTIAL TREATMENT**

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
dated August 14, 2015**

**August 28, 2015**

1 **Item 20) *List each oral coal supply solicitation issued during the***  
2 ***period from November 1, 2014, through April 30, 2015.***

3

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

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

16

17 **Response)**

18

a. and b.

19

Big Rivers issued no oral coal supply solicitations during the  
period from November 1, 2014, through April 30, 2015.

20

21

22

23 **Witness) Mark W. McAdams**

24

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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**Response to Commission Staff's Request for Information  
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**August 28, 2015**

1 **Item 21)**

- 2           a. *List all intersystem sales during the period under review*  
3           *in which Big Rivers used a third party's transmission*  
4           *system.*  
5           b. *For each sale listed above:*  
6           (1) *Describe the effect on the FAC calculation of line*  
7           *losses related to intersystem sales when using a third*  
8           *party's transmission system; and*  
9           (2) *State the line-loss factor used for each transaction*  
10           *and describe how that line-loss factor was*  
11           *determined.*

12  
13 **Response)**

- 14           a. Big Rivers had no intersystem sales during the period under  
15           review in which Big Rivers used a third party's transmission  
16           system.  
17           b.  
18           (1) Not Applicable.  
19           (2) Not Applicable.

20  
21

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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1

2 **Witnesses)**

3

a. Wayne O'Bryan

4

b.(1) Nicholas R. Castlen

5

b.(2) Wayne O'Bryan

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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1 **Item 22)**

- 2           a. *Describe the effect on the FAC calculation of line losses*  
3           *related to intersystem sales when not using a third party's*  
4           *transmission system.*  
5           b. *Describe each change that Big Rivers made to its*  
6           *methodology for calculating intersystem sales line losses*  
7           *during the period under review*

8

9 **Response)**

- 10           a. Line losses related to intersystem sales are included in Big Rivers'  
11           total System Losses reported on page 3 of its monthly Form A  
12           filing. Big Rivers calculates an overall system average fuel cost  
13           per kWh each month by dividing (1) the total cost of fuel for  
14           generation by (2) the net kWh generated minus total System  
15           Losses. The overall system average fuel cost per kWh (which  
16           accounts for total System Losses, including line losses related to  
17           intersystem sales) is multiplied by the intersystem sales volume  
18           to calculate the cost of fuel allocated to intersystem sales in Big  
19           Rivers' monthly Form A filing.  
20           b. Big Rivers made no changes to its methodology for calculating  
21           intersystem sales line losses during the period under review

22 **Witnesses)**

- 23           a.     Nicholas R. Castlen  
24           b.     Wayne O'Bryan

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**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2014 THROUGH APRIL 30, 2015  
CASE NO. 2015-00237**

**Response to Commission Staff's Request for Information  
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**August 28, 2015**

1 **Item 23)** *State whether, during the period under review, Big Rivers has*  
2 *solicited bids for coal with the restriction that it was not mined through*  
3 *strip mining or mountain top removal. If yes, explain the reasons for the*  
4 *restriction on the solicitation, the quantity in tons and price per ton of the*  
5 *coal purchased as a result of this solicitation, and the difference between*  
6 *the price of this coal and the price it could have obtained for the coal if*  
7 *the solicitation had not been restricted.*

8

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

11

12

13 **Witness)** Mark W. McAdams

14

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
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1 **Item 24)** *Provide a detailed discussion of any specific generation*  
2 *efficiency improvements Big Rivers has undertaken during the period*  
3 *under review.*

4  
5 **Response)** On March 14, 2015, Big Rivers started a forty-eight (48) day  
6 maintenance outage on HMP&L Station Two Unit 2, in an attempt to restore  
7 some of its original design efficiency. The average net heat rate on the unit from  
8 January 2015 through March 2015 was [REDACTED] Btu/kWh. The average net heat  
9 rate for the unit following the maintenance outage for May 2015 through July  
10 2015 was [REDACTED] Btu/kWh, giving Big Rivers a [REDACTED] Btu/kWh net heat rate  
11 [REDACTED].

12  
13  
14 **Witness)** Lawrence V. Baronowsky  
15

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
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**Response to Commission Staff's Request for Information  
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1 **Item 25) State whether all long-term fuel contracts related to**  
2 **commodity and/or transportation have been filed with the Commission. If**  
3 **any contracts have not been filed, explain why they have not filed and**  
4 **provide a copy.**

5

6 **Response) All of Big Rivers' long-term fuel and transportation contracts have**  
7 **been filed with the Commission.**

8

9

10 **Witnesses) Mark W. McAdams (Coal) and**  
11 **Wayne O'Bryan (Natural Gas)**

12