


# Big Rivers

ELECTRIC CORPORATION

Your Touchstone Energy® Cooperative 

RECEIVED  
AUG 29 2013  
PUBLIC SERVICE  
COMMISSION

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY**

In the Matter of:

**An Examination of the Application of Fuel Adjustment  
Clause of Big Rivers Electric Corporation from  
November 1, 2012 through April 30, 2013  
Case No. 2013-00266**

**BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE  
INFORMATION REQUESTED IN APPENDIX A OF  
THE PUBLIC SERVICE COMMISSION'S AUGUST 8, 2013 ORDER**

**FILED: August 29, 2013**

**ORIGINAL**

SULLIVAN, MOUNTJOY, STAINBACK & MILLER PSC

ATTORNEYS AT LAW

Ronald M. Sullivan

Jesse T. Mountjoy

Frank Stainback

James M. Miller

Michael A. Fiorella

Allen W. Holbrook

R. Michael Sullivan

Bryan R. Reynolds\*

Tyson A. Kamuf

Mark W. Starnes

C. Ellsworth Mountjoy

\*Also Licensed in Indiana

August 28, 2013

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

Handwritten notes and stamps, including a date stamp "AUG 29 2013".

In The Matter of: An Examination of the Application of Fuel Adjustment  
Clause of Big Rivers Electric Corporation from  
November 1, 2012 through April 30, 2013  
Case No. 2013-00266

Dear Mr. DeRouen:

Enclosed for filing on behalf of Big Rivers Electric Corporation ("Big Rivers")  
are an original and ten (10) copies of (i) Big Rivers' responses to the  
information requested in Appendix A of the Public Service Commission's  
August 8, 2013, order in the above-referenced matter; and a (ii) a petition for  
confidential treatment.

Sincerely,

TSK

Tyson Kamuf  
Counsel for Big Rivers Electric Corporation

Copies to: Billie J. Richert

Telephone (270) 926-4000

Telecopier (270) 683-6694

100 St. Ann Building

PO Box 727

Owensboro, Kentucky

42302-0727

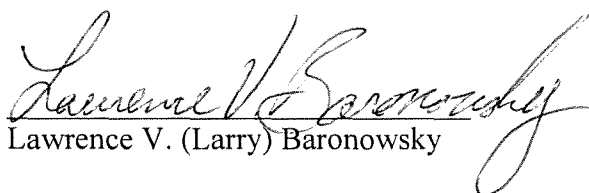
www.westkylaw.com

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2013 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

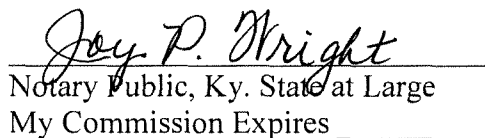
**VERIFICATION**

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 19 day of August, 2013.

  
Notary Public, Ky. State at Large  
My Commission Expires \_\_\_\_\_

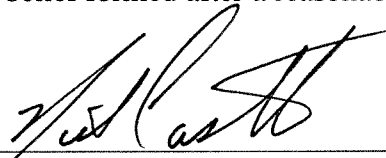
**Notary Public, Kentucky State-At-Large  
My Commission Expires: July 3, 2014  
ID 421951**

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2013 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

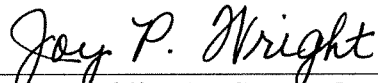
**VERIFICATION**

I, Nicholas R. 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. Castlen

COMMONWEALTH OF KENTUCKY    )  
COUNTY OF HENDERSON        )

SUBSCRIBED AND SWORN TO before me by Nicholas R. Castlen  
on this the 19 day of August, 2013.

  
\_\_\_\_\_  
Notary Public, Ky. State at Large  
My Commission Expires \_\_\_\_\_

**Notary Public, Kentucky State-At-Large  
My Commission Expires: July 3, 2014  
ID 421951**




**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2013 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

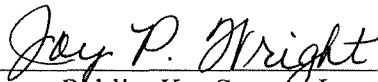
**VERIFICATION**

I, Michael J. Mattox, 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.

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

COMMONWEALTH OF KENTUCKY    )  
COUNTY OF HENDERSON        )

SUBSCRIBED AND SWORN TO before me by Michael J. Mattox  
on this the 19 day of August, 2013.

  
\_\_\_\_\_  
Notary Public, Ky. State at Large  
My Commission Expires \_\_\_\_\_

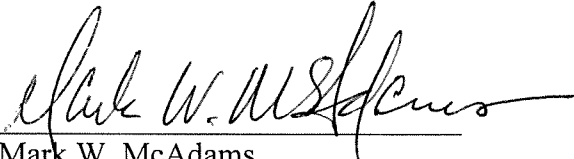
**Notary Public, Kentucky State-At-Large  
My Commission Expires: July 3, 2014  
ID 421951**

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT  
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2013 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

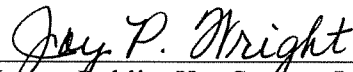
**VERIFICATION**

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 19 day of August, 2013.

  
Notary Public, Ky. State at Large  
My Commission Expires \_\_\_\_\_

**Notary Public, Kentucky State-At-Large  
My Commission Expires: July 3, 2014  
ID 421951**



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 1)** *For the period from November 1, 2012 through April 30, 2013,*  
2 *list each vendor from whom coal was purchased and the quantities and*  
3 *the nature of each purchase (e.g., 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 schedule that follows for the requested information.

9 All Contracts have been filed with the Commission.

10

11

<b>Purchase Vendor</b>	<b>Fuel Type</b>	<b>Purchase Tonnage</b>	<b>Contract Type</b>
Alliance Coal	Coal	417,499.81	Contract
Alliance Coal	Coal	104,904.80	Spot
Armstrong Coal	Coal	286,392.57	Contract
Armstrong Coal	Coal	78,699.11	Spot
ExxonMobil	Pet Coke	119,117.12	Spot
Foresight Coal Sales	Coal	192,988.65	Spot
KenAmerican Resources	Coal	76,273.91	Spot
Oxbow Carbon & Minerals	Pet Coke	49,232.73	Spot
Patriot Coal Sales	Coal	379,964.20	Contract
Peabody Coal Sales	Coal	286,477.43	Spot
Sebree Mining, LLC	Coal	473,991.15	Contract
TCP Pet Coke	Pet Coke	130,740.27	Spot
<b>Total Tonnage</b>		<u>2,596,281.75</u>	

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

Percentage Spot Purchase Tons	40.00 %
Percentage Contract Purchase Tons	60.00 %
Percentage Total Purchase Tons	<u>100.00 %</u>

1

2 **Witness)** Mark W. McAdams

3



BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266

Response to Commission Staff's Request for Information  
dated August 8, 2013

due August 29, 2013

1 Item 2) For the period from November 1, 2012 through April 30, 2013,  
2 list each vendor from whom natural gas was purchased for generation  
3 and the quantities and the nature of each purchase (e.g., 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 schedule that follows. Big Rivers purchased natural  
8 gas from Atmos Energy under Atmos' tariff-based Interruptible Sales Service (G-  
9 2) – Industrial and Billing Rate Code 11 WD. This tariff is on file with the  
10 Kentucky Public Service Commission.

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

19

Purchase Vendor	Fuel Type	MCF	Contract Type
Atmos Energy	Natural Gas	28,627.92	Tariff based G-2 (Contract)
NJR Energy, LLC	Natural Gas	6,547.00	Spot
Tenaska Marketing Ventures	Natural Gas	615.00	Spot

20

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Witness)** Michael J. Mattox

2





**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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 **Witnesses)** Mark W. McAdams (Coal) and Michael J. Mattox (Natural Gas)

9



BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266

Response to Commission Staff's Request for Information  
dated August 8, 2013

due August 29, 2013

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, 2012 through  
3 April 30, 2013, 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

Plant	Coal & Pet Coke Burn (Tons)	Coal & Pet Coke Receipts (Tons)	Net kWh	Capacity Factor (Net Mwh) / (Period Hrs x MW rating)
Reid Station (Coal)	0.00	674.36	(9,379,000)	-3.32 %
Station Two (Coal) *	336,692.40	364,893.57	742,534,770	75.41 %
Green Station (Coal)	663,034.09	665,421.08	1,757,295,719	89.10 %
Green Station (Pet Coke) **	160,025.00	155,844.02		
Coleman Station (Coal)	781,764.45	727,540.50	1,640,515,000	85.25 %
Wilson Station (Coal)	623,086.08	538,662.12	1,644,048,139	90.76 %
Wilson Station (Pet Coke) **	114,166.20	143,246.10		

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

\* Net of City of Henderson. City of Henderson generation take was 279,585,000 kWhs.  
\*\* Net kWh and Capacity Factor includes energy from burning Coal and Pet Coke

1

2 **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, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 5)** *List all firm power commitments for Big Rivers from November*  
2 *1, 2012 through April 30, 2013 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 (e.g., peaking , emergency).*

5

6 **Response)**

7 (a) Purchases:

8 Southeastern Power Administration (SEPA), up to 178 MW, energy for system. A  
9 force majeure, previously declared by SEPA for this contract due to dam safety  
10 issues at Wolf Creek and Center hill dams on the Cumberland System, remains in  
11 effect. Currently SEPA is providing a run-of-the-river schedule that Big Rivers  
12 has the right to refuse.

13

14 (b) Sales:

15 Big Rivers had no non-member firm power sales commitments during the period  
16 under review.

17

18 **Witness)** Michael J. Mattox

19





**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 6)** *Provide a monthly billing summary of sales to all electric*  
2 *utilities for the period November 1, 2012 through April 30, 2013.*

3

4 **Response)** Please see attachments for monthly billing summaries of sales to all  
5 electric utilities for the period November 1, 2012, through April 30, 2013.

6

7 **Witness)** Nicholas R. Castlen

8

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Electric Utility Sales  
November 2012**

1

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$
2 NOVEMBER 2012						
3						
4 JP RURALS	108,853	50,927,300	\$ 1,034,103.50	\$ 1,514,374.19	\$ 2,548,477.69	
5 KENERGY RURALS	197,412	93,114,340	\$ 1,875,414.00	\$ 2,768,848.01	\$ 4,644,262.01	
6 MEADE CO. RURALS	88,428	39,652,230	\$ 840,066.00	\$ 1,179,098.71	\$ 2,019,164.71	
7						
8 TOTAL RURALS	394,693	183,693,870	\$ 3,749,583.50	\$ 5,462,320.91	\$ 9,211,904.41	\$ -
9						
10 KI-ACCURIDE	4,952	2,082,780	\$ 51,996.00	\$ 51,038.52	\$ 103,034.52	\$ -
11 KI-ALCOA	184	102,440	\$ 1,932.00	\$ 2,510.29	\$ 4,442.29	\$ 1,407.00
12 KI-ALERIS	26,649	13,697,310	\$ 279,814.50	\$ 335,652.58	\$ 615,467.08	\$ -
13 KI-SEBREE MINING STEAMPORT (ALLIED)	6,800	2,664,930	\$ 71,400.00	\$ 65,304.11	\$ 136,704.11	\$ -
14 KI-ARMSTRONG - DOCK	8,133	3,223,480	\$ 85,396.50	\$ 78,991.38	\$ 164,387.88	\$ -
15 KI-ARMSTRONG - EQUALITY	3,352	1,395,720	\$ 35,196.00	\$ 34,202.12	\$ 69,398.12	\$ -
16 KI-ARMSTRONG - LEWIS CREEK	1,216	458,610	\$ 12,768.00	\$ 11,238.24	\$ 24,006.24	\$ 2,551.50
17 KI-ARMSTRONG - MIDWAY	4,883	2,053,320	\$ 51,271.50	\$ 50,316.61	\$ 101,588.11	\$ -
18 KI-DOMTAR PAPER CO.	15,000	10,815,000	\$ 157,500.00	\$ 265,021.58	\$ 422,521.58	\$ -
19 KI-DOTIKI #4	501	66,860	\$ 5,260.50	\$ 1,638.40	\$ 6,898.90	\$ -
20 KI-HOPKINS CO. COAL	410	149,750	\$ 4,305.00	\$ 3,669.62	\$ 7,974.62	\$ -
21 KI-KB ALLOYS, INC.	2,001	494,270	\$ 21,010.50	\$ 12,112.09	\$ 33,122.59	\$ -
22 KI-KIMBERLY-CLARK	37,584	26,108,910	\$ 394,632.00	\$ 639,798.84	\$ 1,034,430.84	\$ -
23 KI-SEBREE MINING - KMMC, LLC (KMMC, LLC)	176	48,980	\$ 1,848.00	\$ 1,200.25	\$ 3,048.25	\$ -
24 KI-PATRIOT COAL, LP	3,300	803,050	\$ 34,650.00	\$ 19,678.74	\$ 54,328.74	\$ -
25 KI-PRECOAT (ROLL COATER)	3,500	1,275,410	\$ 36,750.00	\$ 31,253.92	\$ 68,003.92	\$ 409.50
26 KI-SOUTHWIRE CO.	7,046	4,109,380	\$ 73,983.00	\$ 100,700.36	\$ 174,683.36	\$ -
27 KI-TYSON FOODS	10,770	5,560,430	\$ 113,085.00	\$ 136,258.34	\$ 249,343.34	\$ -
28 KI-VALLEY GRAIN	2,322	986,150	\$ 24,381.00	\$ 24,165.61	\$ 48,546.61	\$ 3,045.00
29						
30 SUBTOTAL INDUSTRIALS	138,779	76,096,780	\$ 1,457,179.50	\$ 1,864,751.60	\$ 3,321,931.10	\$ 7,413.00
31						
32 JPI-SHELL OIL	1,912	518,140	\$ 20,076.00	\$ 12,697.02	\$ 32,773.02	\$ -
33						
34 TOTAL INDUSTRIALS	140,691	76,614,920	\$ 1,477,255.50	\$ 1,877,448.62	\$ 3,354,704.12	\$ 7,413.00
35						
36						
37 GRAND TOTAL	535,384	260,308,790	\$ 5,226,839.00	\$ 7,339,769.53	\$ 12,566,608.53	\$ 7,413.00

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**November 2012**

1

	BILLING ADJ	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$
2 NOVEMBER 2012							
3							
4 JP RURALS	\$ -	\$ 2,548,477.69	\$ 12.63	\$ 2,548,490.32	\$ 182,523.44	3.58	\$ 130,063.46
5 KENERGY RURALS	\$ -	\$ 4,644,262.01	\$ -	\$ 4,644,262.01	\$ 333,721.79	3.58	\$ 237,056.69
6 MEADE CO. RURALS	\$ -	\$ 2,019,164.71	\$ -	\$ 2,019,164.71	\$ 142,113.59	3.58	\$ 102,973.67
7							
8 TOTAL RURALS	\$ -	\$ 9,211,904.41	\$ 12.63	\$ 9,211,917.04	\$ 658,358.82	3.58	\$ 470,093.82
9							
10 KI-ACCURIDE	\$ -	\$ 103,034.52		\$ 103,034.52	\$ 7,464.68	3.58	\$ 5,261.03
11 KI-ALCOA	\$ -	\$ 5,849.29		\$ 5,849.29	\$ 367.14	3.58	\$ 228.20
12 KI-ALERIS	\$ -	\$ 615,467.08		\$ 615,467.08	\$ 49,091.16	3.58	\$ 31,562.96
13 KI-SEBREE MINING STEAMPORT (ALLIED)	\$ -	\$ 136,704.11		\$ 136,704.11	\$ 9,551.11	3.58	\$ 6,969.52
14 KI-ARMSTRONG - DOCK	\$ 10,182.53	\$ 174,570.41		\$ 174,570.41	\$ 11,552.95	3.58	\$ 8,382.96
15 KI-ARMSTRONG - EQUALITY	\$ 2,734.57	\$ 72,132.69		\$ 72,132.69	\$ 5,002.26	3.58	\$ 3,542.75
16 KI-ARMSTRONG - LEWIS CREEK	\$ 1,451.05	\$ 28,008.79		\$ 28,008.79	\$ 1,643.66	3.58	\$ 1,222.88
17 KI-ARMSTRONG - MIDWAY	\$ -	\$ 101,588.11		\$ 101,588.11	\$ 7,359.10	3.58	\$ 5,187.15
18 KI-DOMTAR PAPER CO.	\$ -	\$ 422,521.58		\$ 422,521.58	\$ 38,760.96	3.58	\$ 21,821.76
19 KI-DOTIKI #4	\$ -	\$ 6,898.90		\$ 6,898.90	\$ 239.63	3.58	\$ 344.36
20 KI-HOPKINS CO. COAL	\$ -	\$ 7,974.62		\$ 7,974.62	\$ 536.70	3.58	\$ 405.94
21 KI-KB ALLOYS, INC.	\$ -	\$ 33,122.59		\$ 33,122.59	\$ 1,771.46	3.58	\$ 1,672.19
22 KI-KIMBERLY-CLARK	\$ -	\$ 1,034,430.84		\$ 1,034,430.84	\$ 93,574.33	3.58	\$ 53,384.62
23 KI-SEBREE MINING - KMMC, LLC (KMMC, LL	\$ -	\$ 3,048.25		\$ 3,048.25	\$ 175.54	3.58	\$ 154.27
24 KI-PATRIOT COAL, LP	\$ -	\$ 54,328.74		\$ 54,328.74	\$ 2,878.13	3.58	\$ 2,741.95
25 KI-PRECOAT (ROLL COATER)	\$ -	\$ 68,413.42		\$ 68,413.42	\$ 4,571.07	3.58	\$ 3,461.54
26 KI-SOUTHWIRE CO.	\$ -	\$ 174,683.36		\$ 174,683.36	\$ 14,728.02	3.58	\$ 8,982.41
27 KI-TYSON FOODS	\$ -	\$ 249,343.34		\$ 249,343.34	\$ 19,928.58	3.58	\$ 12,788.28
28 KI-VALLEY GRAIN	\$ -	\$ 51,591.61		\$ 51,591.61	\$ 3,534.36	3.58	\$ 2,479.36
29							
30 SUBTOTAL INDUSTRIALS	\$ 14,368.15	\$ 3,343,712.25	\$ -	\$ 3,343,712.25	\$ 272,730.84	3.58	\$ 170,594.13
31							
32 JPI-SHELL OIL	\$ -	\$ 32,773.02		\$ 32,773.02	\$ 1,857.01	3.58	\$ 1,657.71
33							
34 TOTAL INDUSTRIALS	\$ 14,368.15	\$ 3,376,485.27	\$ -	\$ 3,376,485.27	\$ 274,587.85	3.58	\$ 172,251.84
35							
36							
37 GRAND TOTAL	\$ 14,368.15	\$ 12,588,389.68	\$ 12.63	\$ 12,588,402.31	\$ 932,946.67	3.58	\$ 642,345.66

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**November 2012**

1

	ES MILLS/KWH	US \$	US MILLS/KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/KWH	REVENUE \$
2 NOVEMBER 2012							
3							
4 JP RURALS	2.55	\$ (213,334.46)	(4.19)	\$ (53,015.32)	\$ (16,093.03)	(1.04)	\$ 2,578,634.41
5 KENERGY RURALS	2.55	\$ (390,055.97)	(4.19)	\$ (96,932.03)	\$ (29,424.13)	(1.04)	\$ 4,698,628.36
6 MEADE CO. RURALS	2.60	\$ (166,103.19)	(4.19)	\$ (41,277.97)	\$ (12,530.10)	(1.04)	\$ 2,044,340.71
7							
8 TOTAL RURALS	2.56	\$ (769,493.62)	(4.19)	\$ (191,225.32)	\$ (58,047.26)	(1.04)	\$ 9,321,603.48
9							
10 KI-ACCURIDE	2.53	\$ (8,724.77)	(4.19)	\$ (2,168.17)	\$ (658.16)	(1.04)	\$ 104,209.13
11 KI-ALCOA	2.23	\$ (429.12)	(4.19)	\$ (106.64)	\$ (32.37)	(1.04)	\$ 5,876.50
12 KI-ALERIS	2.30	\$ (57,378.03)	(4.19)	\$ (14,258.90)	\$ (4,328.35)	(1.04)	\$ 620,155.92
13 KI-SEBREE MINING STEAMPORT (ALLIED)	2.62	\$ (11,163.39)	(4.19)	\$ (2,774.19)	\$ (842.12)	(1.04)	\$ 138,445.04
14 KI-ARMSTRONG - DOCK	2.60	\$ (13,503.16)	(4.19)	\$ (3,355.64)	\$ (1,018.62)	(1.04)	\$ 176,628.90
15 KI-ARMSTRONG - EQUALITY	2.54	\$ (5,846.67)	(4.19)	\$ (1,452.94)	\$ (441.05)	(1.04)	\$ 72,937.04
16 KI-ARMSTRONG - LEWIS CREEK	2.67	\$ (1,921.12)	(4.19)	\$ (477.41)	\$ (144.92)	(1.04)	\$ 28,331.88
17 KI-ARMSTRONG - MIDWAY	2.53	\$ (8,601.36)	(4.19)	\$ (2,137.51)	\$ (648.85)	(1.04)	\$ 102,746.64
18 KI-DOMTAR PAPER CO.	2.02	\$ (45,304.04)	(4.19)	\$ (11,258.42)	\$ (3,417.54)	(1.04)	\$ 423,124.30
19 KI-DOTIKI #4	5.15	\$ (280.08)	(4.19)	\$ (69.60)	\$ (21.13)	(1.04)	\$ 7,112.08
20 KI-HOPKINS CO. COAL	2.71	\$ (627.30)	(4.19)	\$ (155.89)	\$ (47.32)	(1.04)	\$ 8,086.75
21 KI-KB ALLOYS, INC.	3.38	\$ (2,070.50)	(4.19)	\$ (514.54)	\$ (156.19)	(1.04)	\$ 33,825.01
22 KI-KIMBERLY-CLARK	2.04	\$ (109,370.22)	(4.19)	\$ (27,179.38)	\$ (8,250.42)	(1.04)	\$ 1,036,589.77
23 KI-SEBREE MINING - KMMC, LLC (KMMC, LLC)	3.15	\$ (205.18)	(4.19)	\$ (50.99)	\$ (15.48)	(1.04)	\$ 3,106.41
24 KI-PATRIOT COAL, LP	3.41	\$ (3,363.98)	(4.19)	\$ (835.98)	\$ (253.76)	(1.04)	\$ 55,495.10
25 KI-PRECOAT (ROLL COATER)	2.71	\$ (5,342.69)	(4.19)	\$ (1,327.70)	\$ (403.03)	(1.04)	\$ 69,372.61
26 KI-SOUTHWIRE CO.	2.19	\$ (17,214.19)	(4.19)	\$ (4,277.86)	\$ (1,298.56)	(1.04)	\$ 175,603.18
27 KI-TYSON FOODS	2.30	\$ (23,292.64)	(4.19)	\$ (5,788.41)	\$ (1,757.10)	(1.04)	\$ 251,222.05
28 KI-VALLEY GRAIN	2.51	\$ (4,130.98)	(4.19)	\$ (1,026.58)	\$ (311.62)	(1.04)	\$ 52,136.15
29							
30 SUBTOTAL INDUSTRIALS	2.24	\$ (318,769.42)	(4.19)	\$ (79,216.75)	\$ (24,046.59)	(1.04)	\$ 3,365,004.46
31							
32 JPI-SHELL OIL	3.20	\$ (2,170.49)	(4.19)	\$ (539.38)	\$ (163.73)	(1.04)	\$ 33,414.14
33							
34 TOTAL INDUSTRIALS	2.25	\$ (320,939.91)	(4.19)	\$ (79,756.13)	\$ (24,210.32)	(1.04)	\$ 3,398,418.60
35							
36							
37 GRAND TOTAL	2.47	\$ (1,090,433.53)	(4.19)	\$ (270,981.45)	\$ (82,257.58)	(1.04)	\$ 12,720,022.08

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**November 2012**

1

	REVENUE MILLS/KWH	MRSM \$	MRSM MILLS/KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/KWH
2 NOVEMBER 2012					
3					
4 JP RURALS	50.63	\$ (313,758.23)	(6.16)	\$ 2,264,876.18	44.47
5 KENERGY RURALS	50.46	\$ (572,920.11)	(6.15)	\$ 4,125,708.25	44.31
6 MEADE CO. RURALS	51.56	\$ (245,999.26)	(6.20)	\$ 1,798,341.45	45.35
7					
8 TOTAL RURALS	50.75	\$ (1,132,677.60)	(6.17)	\$ 8,188,925.88	44.58
9					
10 KI-ACCURIDE	50.03	\$ (12,773.61)	(6.13)	\$ 91,435.52	43.90
11 KI-ALCOA	57.37	\$ (597.70)	(5.83)	\$ 5,278.80	51.53
12 KI-ALERIS	45.28	\$ (80,969.16)	(5.91)	\$ 539,186.76	39.36
13 KI-SEBREE MINING STEAMPORT (ALLIED)	51.95	\$ (16,581.93)	(6.22)	\$ 121,863.11	45.73
14 KI-ARMSTRONG - DOCK	54.79	\$ (20,010.05)	(6.21)	\$ 156,618.85	48.59
15 KI-ARMSTRONG - EQUALITY	52.26	\$ (8,577.11)	(6.15)	\$ 64,359.93	46.11
16 KI-ARMSTRONG - LEWIS CREEK	61.78	\$ (2,877.09)	(6.27)	\$ 25,454.79	55.50
17 KI-ARMSTRONG - MIDWAY	50.04	\$ (12,593.47)	(6.13)	\$ 90,153.17	43.91
18 KI-DOMTAR PAPER CO.	39.12	\$ (60,831.46)	(5.62)	\$ 362,292.84	33.50
19 KI-DOTIKI #4	106.37	\$ (585.52)	(8.76)	\$ 6,526.56	97.62
20 KI-HOPKINS CO. COAL	54.00	\$ (946.09)	(6.32)	\$ 7,140.66	47.68
21 KI-KB ALLOYS, INC.	68.43	\$ (3,455.02)	(6.99)	\$ 30,369.99	61.44
22 KI-KIMBERLY-CLARK	39.70	\$ (147,559.46)	(5.65)	\$ 889,030.31	34.05
23 KI-SEBREE MINING - KMMC, LLC (KMMC, LL	63.42	\$ (330.93)	(6.76)	\$ 2,775.48	56.67
24 KI-PATRIOT COAL, LP	69.11	\$ (5,638.55)	(7.02)	\$ 49,856.55	62.08
25 KI-PRECOAT (ROLL COATER)	54.39	\$ (8,061.95)	(6.32)	\$ 61,310.66	48.07
26 KI-SOUTHWIRE CO.	42.73	\$ (23,804.95)	(5.79)	\$ 151,798.23	36.94
27 KI-TYSON FOODS	45.18	\$ (32,844.75)	(5.91)	\$ 218,377.30	39.27
28 KI-VALLEY GRAIN	52.87	\$ (6,036.40)	(6.12)	\$ 46,099.75	46.75
29					
30 SUBTOTAL INDUSTRIALS	44.22	\$ (445,075.20)	(5.85)	\$ 2,919,929.26	38.37
31					
32 JPI-SHELL OIL	64.49	\$ (3,526.64)	(6.81)	\$ 29,887.50	57.68
33					
34 TOTAL INDUSTRIALS	44.36	\$ (448,601.84)	(5.86)	\$ 2,949,816.76	38.50
35					
36					
37 GRAND TOTAL	48.87	\$ (1,581,279.44)	(6.07)	\$ 11,138,742.64	42.79

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**December 2012**

1

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$
2 DECEMBER 2012						
3						
4 JP RURALS	113,704	57,089,450	\$ 1,080,188.00	\$ 1,697,611.89	\$ 2,777,799.89	
5 KENERGY RURALS	212,592	104,554,810	\$ 2,019,624.00	\$ 3,109,041.83	\$ 5,128,665.83	
6 MEADE CO. RURALS	90,157	44,498,240	\$ 856,491.50	\$ 1,323,199.66	\$ 2,179,691.16	
7						
8 TOTAL RURALS	416,453	206,142,500	\$ 3,956,303.50	\$ 6,129,853.38	\$ 10,086,156.88	\$ -
9						
10 KI-ACCURIDE	5,080	1,900,960	\$ 53,340.00	\$ 46,583.02	\$ 99,923.02	\$ -
11 KI-ALCOA	191	118,520	\$ 2,005.50	\$ 2,904.33	\$ 4,909.83	\$ 1,533.00
12 KI-ALERIS	27,802	14,357,250	\$ 291,921.00	\$ 351,824.41	\$ 643,745.41	\$ -
13 KI-SEBREE MINING STEAMPORT (ALLIED)	7,462	2,775,925	\$ 78,351.00	\$ 68,024.04	\$ 146,375.04	\$ -
14 KI-ARMSTRONG - DOCK	8,543	3,426,970	\$ 89,701.50	\$ 83,977.90	\$ 173,679.40	\$ -
15 KI-ARMSTRONG - EQUALITY	3,056	1,439,480	\$ 32,088.00	\$ 35,274.46	\$ 67,362.46	\$ -
16 KI-ARMSTRONG - LEWIS CREEK	1,000	352,060	\$ 10,500.00	\$ 8,627.23	\$ 19,127.23	\$ -
17 KI-ARMSTRONG - MIDWAY	4,873	2,296,608	\$ 51,166.50	\$ 56,278.38	\$ 107,444.88	\$ -
18 KI-DOMTAR PAPER CO.	15,000	11,160,000	\$ 157,500.00	\$ 273,475.80	\$ 430,975.80	\$ -
19 KI-DOTIKI #4	157	38,450	\$ 1,648.50	\$ 942.22	\$ 2,590.72	\$ 178.50
20 KI-ELK CREEK MINE-HOPKINS CO. COAL	266	4,670	\$ 2,793.00	\$ 114.44	\$ 2,907.44	\$ -
21 KI-HOPKINS CO. COAL	410	122,310	\$ 4,305.00	\$ 2,997.21	\$ 7,302.21	\$ -
22 KI-KB ALLOYS, INC.	2,001	505,140	\$ 21,010.50	\$ 12,378.46	\$ 33,388.96	\$ -
23 KI-KIMBERLY-CLARK	37,541	26,240,400	\$ 394,180.50	\$ 643,021.00	\$ 1,037,201.50	\$ -
24 KI-SEBREE MINING - KMMC, LLC (KMMC, LLC)	183	69,980	\$ 1,921.50	\$ 1,714.86	\$ 3,636.36	\$ -
25 KI-PATRIOT COAL, LP	3,300	732,310	\$ 34,650.00	\$ 17,945.26	\$ 52,595.26	\$ -
26 KI-PRECOAT (ROLL COATER)	3,531	1,032,580	\$ 37,075.50	\$ 25,303.37	\$ 62,378.87	\$ 840.00
27 KI-SOUTHWIRE CO.	6,978	4,136,150	\$ 73,269.00	\$ 101,356.36	\$ 174,625.36	\$ -
28 KI-TYSON FOODS	10,951	5,573,210	\$ 114,985.50	\$ 136,571.51	\$ 251,557.01	\$ -
29 KI-VALLEY GRAIN	2,241	977,900	\$ 23,530.50	\$ 23,963.44	\$ 47,493.94	\$ 3,276.00
30						
31 SUBTOTAL INDUSTRIALS	140,566	77,260,873	\$ 1,475,943.00	\$ 1,893,277.70	\$ 3,369,220.70	\$ 5,827.50
32						
33 JPI-SHELL OIL	1,890	599,810	\$ 19,845.00	\$ 14,698.34	\$ 34,543.34	\$ -
34						
35 TOTAL INDUSTRIALS	142,456	77,860,683	\$ 1,495,788.00	\$ 1,907,976.04	\$ 3,403,764.04	\$ 5,827.50
36						
37 GRAND TOTAL	558,909	284,003,183	\$ 5,452,091.50	\$ 8,037,829.42	\$ 13,489,920.92	\$ 5,827.50

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**December 2012**

1

	BILLING ADJ	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$
2 DECEMBER 2012							
3							
4 JP RURALS	\$ -	\$ 2,777,799.89	\$ 12.63	\$ 2,777,812.52	\$ 136,386.70	2.39	\$ 149,678.62
5 KENERGY RURALS	\$ -	\$ 5,128,665.83	\$ -	\$ 5,128,665.83	\$ 249,781.44	2.39	\$ 276,306.12
6 MEADE CO. RURALS	\$ -	\$ 2,179,691.16	\$ -	\$ 2,179,691.16	\$ 106,306.30	2.39	\$ 117,433.93
7							
8 TOTAL RURALS	\$ -	\$ 10,086,156.88	\$ 12.63	\$ 10,086,169.51	\$ 492,474.44	2.39	\$ 543,418.67
9							
10 KI-ACCURIDE	\$ -	\$ 99,923.02		\$ 99,923.02	\$ 4,541.39	2.39	\$ 5,375.93
11 KI-ALCOA	\$ -	\$ 6,442.83		\$ 6,442.83	\$ 283.14	2.39	\$ 265.52
12 KI-ALERIS	\$ -	\$ 643,745.41		\$ 643,745.41	\$ 34,299.47	2.39	\$ 34,748.86
13 KI-SEBREE MINING STEAMPORT (ALLIED)	\$ -	\$ 146,375.04		\$ 146,375.04	\$ 6,631.68	2.39	\$ 7,874.60
14 KI-ARMSTRONG - DOCK	\$ 6,436.02	\$ 180,115.42		\$ 180,115.42	\$ 8,187.03	2.39	\$ 9,350.76
15 KI-ARMSTRONG - EQUALITY	\$ 2,841.35	\$ 70,203.81		\$ 70,203.81	\$ 3,438.92	2.39	\$ 3,632.75
16 KI-ARMSTRONG - LEWIS CREEK	\$ 1,768.11	\$ 20,895.34		\$ 20,895.34	\$ 841.07	2.39	\$ 1,028.41
17 KI-ARMSTRONG - MIDWAY	\$ -	\$ 107,444.88		\$ 107,444.88	\$ 5,486.60	2.39	\$ 5,794.36
18 KI-DOMTAR PAPER CO.	\$ -	\$ 430,975.80		\$ 430,975.80	\$ 26,661.24	2.39	\$ 23,348.03
19 KI-DOTIKI #4	\$ -	\$ 2,769.22		\$ 2,769.22	\$ 91.86	2.39	\$ 138.79
20 KI-ELK CREEK MINE-HOPKINS CO. COAL	\$ -	\$ 2,907.44		\$ 2,907.44	\$ 11.16	2.39	\$ 153.66
21 KI-HOPKINS CO. COAL	\$ -	\$ 7,302.21		\$ 7,302.21	\$ 292.20	2.39	\$ 391.96
22 KI-KB ALLOYS, INC.	\$ -	\$ 33,388.96		\$ 33,388.96	\$ 1,206.78	2.39	\$ 1,789.27
23 KI-KIMBERLY-CLARK	\$ -	\$ 1,037,201.50		\$ 1,037,201.50	\$ 62,688.32	2.39	\$ 56,156.55
24 KI-SEBREE MINING - KMMC, LLC (KMMC, LL	\$ -	\$ 3,636.36		\$ 3,636.36	\$ 167.18	2.39	\$ 195.68
25 KI-PATRIOT COAL, LP	\$ -	\$ 52,595.26		\$ 52,595.26	\$ 1,749.49	2.39	\$ 2,815.05
26 KI-PRECOAT (ROLL COATER)	\$ -	\$ 63,218.87		\$ 63,218.87	\$ 2,466.83	2.39	\$ 3,347.63
27 KI-SOUTHWIRE CO.	\$ -	\$ 174,625.36		\$ 174,625.36	\$ 9,881.26	2.39	\$ 9,439.29
28 KI-TYSON FOODS	\$ -	\$ 251,557.01		\$ 251,557.01	\$ 13,314.40	2.39	\$ 13,576.82
29 KI-VALLEY GRAIN	\$ -	\$ 50,769.94		\$ 50,769.94	\$ 2,336.20	2.39	\$ 2,559.26
30							
31 SUBTOTAL INDUSTRIALS	\$ 11,045.48	\$ 3,386,093.68	\$ -	\$ 3,386,093.68	\$ 184,576.22	2.39	\$ 181,983.18
32							
33 JPI-SHELL OIL	\$ -	\$ 34,543.34		\$ 34,543.34	\$ 1,432.95	2.39	\$ 1,855.33
34							
35 TOTAL INDUSTRIALS	\$ 11,045.48	\$ 3,420,637.02	\$ -	\$ 3,420,637.02	\$ 186,009.17	2.39	\$ 183,838.51
36							
37 GRAND TOTAL	\$ 11,045.48	\$ 13,506,793.90	\$ 12.63	\$ 13,506,806.53	\$ 678,483.61	2.39	\$ 727,257.18

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**December 2012**

1

	ES MILLS/KWH	US \$	US MILLS/KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/KWH	REVENUE \$
2 DECEMBER 2012							
3							
4 JP RURALS	2.62	\$ (239,147.71)	(4.19)	\$ (59,430.12)	\$ (18,040.27)	(1.04)	\$ 2,747,259.74
5 KENERGY RURALS	2.64	\$ (437,980.10)	(4.19)	\$ (108,841.56)	\$ (33,039.32)	(1.04)	\$ 5,074,892.41
6 MEADE CO. RURALS	2.64	\$ (186,403.13)	(4.19)	\$ (46,322.67)	\$ (14,061.44)	(1.04)	\$ 2,156,644.15
7							
8 TOTAL RURALS	2.64	\$ (863,530.94)	(4.19)	\$ (214,594.35)	\$ (65,141.03)	(1.04)	\$ 9,978,796.30
9							
10 KI-ACCURIDE	2.83	\$ (7,963.12)	(4.19)	\$ (1,978.90)	\$ (600.70)	(1.04)	\$ 99,297.62
11 KI-ALCOA	2.24	\$ (496.48)	(4.19)	\$ (123.38)	\$ (37.45)	(1.04)	\$ 6,334.18
12 KI-ALERIS	2.42	\$ (60,142.52)	(4.19)	\$ (14,945.90)	\$ (4,536.89)	(1.04)	\$ 633,168.43
13 KI-SEBREE MINING STEAMPORT (ALLIED)	2.84	\$ (11,628.35)	(4.19)	\$ (2,889.74)	\$ (877.19)	(1.04)	\$ 145,486.04
14 KI-ARMSTRONG - DOCK	2.73	\$ (14,355.58)	(4.19)	\$ (3,567.48)	\$ (1,082.92)	(1.04)	\$ 178,647.23
15 KI-ARMSTRONG - EQUALITY	2.52	\$ (6,029.98)	(4.19)	\$ (1,498.50)	\$ (454.88)	(1.04)	\$ 69,292.12
16 KI-ARMSTRONG - LEWIS CREEK	2.92	\$ (1,474.78)	(4.19)	\$ (366.49)	\$ (111.25)	(1.04)	\$ 20,812.30
17 KI-ARMSTRONG - MIDWAY	2.52	\$ (9,620.49)	(4.19)	\$ (2,390.77)	\$ (725.73)	(1.04)	\$ 105,988.85
18 KI-DOMTAR PAPER CO.	2.09	\$ (46,749.24)	(4.19)	\$ (11,617.56)	\$ (3,526.56)	(1.04)	\$ 419,091.71
19 KI-DOTIKI #4	3.61	\$ (161.07)	(4.19)	\$ (40.03)	\$ (12.15)	(1.04)	\$ 2,786.62
20 KI-ELK CREEK MINE-HOPKINS CO. COAL	32.90	\$ (19.56)	(4.19)	\$ (4.86)	\$ (1.48)	(1.04)	\$ 3,046.36
21 KI-HOPKINS CO. COAL	3.20	\$ (512.36)	(4.19)	\$ (127.32)	\$ (38.65)	(1.04)	\$ 7,308.04
22 KI-KB ALLOYS, INC.	3.54	\$ (2,116.03)	(4.19)	\$ (525.85)	\$ (159.62)	(1.04)	\$ 33,583.51
23 KI-KIMBERLY-CLARK	2.14	\$ (109,921.04)	(4.19)	\$ (27,316.26)	\$ (8,291.97)	(1.04)	\$ 1,010,517.10
24 KI-SEBREE MINING - KMMC, LLC (KMMC, LLC)	2.80	\$ (293.15)	(4.19)	\$ (72.85)	\$ (22.11)	(1.04)	\$ 3,611.11
25 KI-PATRIOT COAL, LP	3.84	\$ (3,067.65)	(4.19)	\$ (762.33)	\$ (231.41)	(1.04)	\$ 53,098.41
26 KI-PRECOAT (ROLL COATER)	3.24	\$ (4,325.48)	(4.19)	\$ (1,074.92)	\$ (326.30)	(1.04)	\$ 63,306.63
27 KI-SOUTHWIRE CO.	2.28	\$ (17,326.33)	(4.19)	\$ (4,305.73)	\$ (1,307.02)	(1.04)	\$ 171,006.83
28 KI-TYSON FOODS	2.44	\$ (23,346.18)	(4.19)	\$ (5,801.71)	\$ (1,761.13)	(1.04)	\$ 247,539.21
29 KI-VALLEY GRAIN	2.62	\$ (4,096.42)	(4.19)	\$ (1,017.99)	\$ (309.02)	(1.04)	\$ 50,241.97
30							
31 SUBTOTAL INDUSTRIALS	2.36	\$ (323,645.81)	(4.19)	\$ (80,428.57)	\$ (24,414.43)	(1.04)	\$ 3,324,164.27
32							
33 JPI-SHELL OIL	3.09	\$ (2,512.60)	(4.19)	\$ (624.40)	\$ (189.54)	(1.04)	\$ 34,505.08
34							
35 TOTAL INDUSTRIALS	2.36	\$ (326,158.41)	(4.19)	\$ (81,052.97)	\$ (24,603.97)	(1.04)	\$ 3,358,669.35
36							
37 GRAND TOTAL	2.56	\$ (1,189,689.35)	(4.19)	\$ (295,647.32)	\$ (89,745.00)	(1.04)	\$ 13,337,465.65



**Big Rivers Electric Corporation  
Monthly Billing Summary  
Electric Utility Sales  
December 2012**

1

	REVENUE MILLS/KWH	MRSM \$	MRSM MILLS/KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/KWH
2 DECEMBER 2012					
3					
4 JP RURALS	48.12	\$ (287,378.37)	(5.03)	\$ 2,459,881.37	43.09
5 KENERGY RURALS	48.54	\$ (528,492.32)	(5.05)	\$ 4,546,400.09	43.48
6 MEADE CO. RURALS	48.47	\$ (224,763.69)	(5.05)	\$ 1,931,880.46	43.41
7					
8 TOTAL RURALS	48.41	\$ (1,040,634.38)	(5.05)	\$ 8,938,161.92	43.36
9					
10 KI-ACCURIDE	52.24	\$ (9,961.04)	(5.24)	\$ 89,336.58	47.00
11 KI-ALCOA	53.44	\$ (551.39)	(4.65)	\$ 5,782.79	48.79
12 KI-ALERIS	44.10	\$ (69,378.55)	(4.83)	\$ 563,789.88	39.27
13 KI-SEBREE MINING STEAMPORT (ALLIED)	52.41	\$ (14,570.13)	(5.25)	\$ 130,915.91	47.16
14 KI-ARMSTRONG - DOCK	52.13	\$ (17,616.61)	(5.14)	\$ 161,030.62	46.99
15 KI-ARMSTRONG - EQUALITY	48.14	\$ (7,104.78)	(4.94)	\$ 62,187.34	43.20
16 KI-ARMSTRONG - LEWIS CREEK	59.12	\$ (1,877.58)	(5.33)	\$ 18,934.72	53.78
17 KI-ARMSTRONG - MIDWAY	46.15	\$ (11,333.78)	(4.94)	\$ 94,655.07	41.22
18 KI-DOMTAR PAPER CO.	37.55	\$ (50,265.95)	(4.50)	\$ 368,825.76	33.05
19 KI-DOTIKI #4	72.47	\$ (231.53)	(6.02)	\$ 2,555.09	66.45
20 KI-ELK CREEK MINE-HOPKINS CO. COAL	652.33	\$ (164.93)	(35.32)	\$ 2,881.43	617.01
21 KI-HOPKINS CO. COAL	59.75	\$ (686.97)	(5.62)	\$ 6,621.07	54.13
22 KI-KB ALLOYS, INC.	66.48	\$ (3,007.67)	(5.95)	\$ 30,575.84	60.53
23 KI-KIMBERLY-CLARK	38.51	\$ (119,448.39)	(4.55)	\$ 891,068.71	33.96
24 KI-SEBREE MINING - KMMC, LLC (KMMC, LL	51.60	\$ (364.47)	(5.21)	\$ 3,246.64	46.39
25 KI-PATRIOT COAL, LP	72.51	\$ (4,581.38)	(6.26)	\$ 48,517.03	66.25
26 KI-PRECOAT (ROLL COATER)	61.31	\$ (5,838.21)	(5.65)	\$ 57,468.42	55.66
27 KI-SOUTHWIRE CO.	41.34	\$ (19,415.68)	(4.69)	\$ 151,591.15	36.65
28 KI-TYSON FOODS	44.42	\$ (27,019.40)	(4.85)	\$ 220,519.81	39.57
29 KI-VALLEY GRAIN	51.38	\$ (4,917.95)	(5.03)	\$ 45,324.02	46.35
30					
31 SUBTOTAL INDUSTRIALS	43.03	\$ (368,336.39)	(4.77)	\$ 2,955,827.88	38.26
32					
33 JPI-SHELL OIL	57.53	\$ (3,302.08)	(5.51)	\$ 31,203.00	52.02
34					
35 TOTAL INDUSTRIALS	43.14	\$ (371,638.47)	(4.77)	\$ 2,987,030.88	38.36
36					
37 GRAND TOTAL	46.96	\$ (1,412,272.85)	(4.97)	\$ 11,925,192.80	41.99

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Electric Utility Sales  
 January 2013**

1

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$
2 JANUARY 2013						
3						
4 JP RURALS	122,775	64,704,940	\$ 1,190,549.18	\$ 1,924,066.10	\$ 3,114,615.28	
5 KENERGY RURALS	232,574	119,239,805	\$ 2,255,270.08	\$ 3,545,714.84	\$ 5,800,984.92	
6 MEADE CO. RURALS	110,695	51,773,650	\$ 1,073,409.42	\$ 1,539,541.26	\$ 2,612,950.68	
7						
8 TOTAL RURALS	466,044	235,718,395	\$ 4,519,228.68	\$ 7,009,322.20	\$ 11,528,550.88	\$ -
9						
10 KI-ACCURIDE	4,891	2,067,620	\$ 51,355.50	\$ 50,673.23	\$ 102,028.73	\$ -
11 KI-ALCOA	194	119,180	\$ 2,037.00	\$ 2,920.86	\$ 4,957.86	\$ 1,176.00
12 KI-ALERIS	28,180	14,864,040	\$ 295,890.00	\$ 364,287.89	\$ 660,177.89	\$ -
13 KI-AMG ALUMINUM NORTH AMERICA	2,001	824,030	\$ 21,010.50	\$ 20,195.33	\$ 41,205.83	\$ -
14 KI-ARMSTRONG - DOCK	8,669	3,790,160	\$ 91,024.50	\$ 92,889.24	\$ 183,913.74	\$ -
15 KI-ARMSTRONG - EQUALITY	3,200	1,557,400	\$ 33,600.00	\$ 38,168.76	\$ 71,768.76	\$ -
16 KI-ARMSTRONG - LEWIS	1,178	495,430	\$ 12,369.00	\$ 12,142.00	\$ 24,511.00	\$ 3,538.50
17 KI-ARMSTRONG - MIDWAY	4,870	2,549,430	\$ 51,135.00	\$ 62,481.43	\$ 113,616.43	\$ -
18 KI-DOMTAR PAPER CO.	15,000	11,160,000	\$ 157,500.00	\$ 273,509.28	\$ 431,009.28	\$ -
19 KI-DOTIKI #3	187	77,850	\$ 1,963.50	\$ 1,907.95	\$ 3,871.45	\$ 42.00
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	36,540	\$ 7,875.00	\$ 895.52	\$ 8,770.52	\$ -
21 KI-HOPKINS CO. COAL	416	170,540	\$ 4,368.00	\$ 4,179.59	\$ 8,547.59	\$ -
22 KI-KIMBERLY-CLARK	37,886	26,930,250	\$ 397,803.00	\$ 660,006.57	\$ 1,057,809.57	\$ -
23 KI-PATRIOT COAL, LP	3,300	546,110	\$ 34,650.00	\$ 13,384.06	\$ 48,034.06	\$ -
24 KI-PRECOAT	3,576	1,454,100	\$ 37,548.00	\$ 35,637.08	\$ 73,185.08	\$ -
25 KI-SEBREE MINING-KMMC	205	94,530	\$ 2,152.50	\$ 2,316.74	\$ 4,469.24	\$ 304.50
26 KI-SEBREE MINING-STEAMPORT-ALLIED	7,577	3,235,103	\$ 79,558.50	\$ 79,285.90	\$ 158,844.40	\$ -
27 KI-SOUTHWIRE CO.	7,023	4,334,690	\$ 73,741.50	\$ 106,234.58	\$ 179,976.08	\$ -
28 KI-TYSON FOODS	10,873	6,234,180	\$ 114,166.50	\$ 152,787.28	\$ 266,953.78	\$ -
29 KI-VALLEY GRAIN	2,366	1,290,060	\$ 24,843.00	\$ 31,616.79	\$ 56,459.79	\$ 3,108.00
30						
31 SUBTOTAL INDUSTRIALS	142,342	81,831,243	\$ 1,494,591.00	\$ 2,005,520.08	\$ 3,500,111.08	\$ 8,169.00
32						
33 JPI-SHELL OIL	1,922	433,980	\$ 20,181.00	\$ 10,635.98	\$ 30,816.98	\$ -
34						
35 TOTAL INDUSTRIALS	144,264	82,265,223	\$ 1,514,772.00	\$ 2,016,156.06	\$ 3,530,928.06	\$ 8,169.00
36						
37 GRAND TOTAL	610,308	317,983,618	\$ 6,034,000.68	\$ 9,025,478.26	\$ 15,059,478.94	\$ 8,169.00

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**January 2013**

1

	BILLING ADJ	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$
2 JANUARY 2013							
3							
4 JP RURALS	\$ -	\$ 3,114,615.28	\$ 12.63	\$ 3,114,627.91	\$ 160,921.19	2.49	\$ 171,745.62
5 KENERGY RURALS	\$ -	\$ 5,800,984.92	\$ -	\$ 5,800,984.92	\$ 296,549.40	2.49	\$ 319,799.46
6 MEADE CO. RURALS	\$ -	\$ 2,612,950.68	\$ -	\$ 2,612,950.68	\$ 128,761.07	2.49	\$ 143,930.14
7							
8 TOTAL RURALS	\$ -	\$ 11,528,550.88	\$ 12.63	\$ 11,528,563.51	\$ 586,231.66	2.49	\$ 635,475.22
9							
10 KI-ACCURIDE	\$ -	\$ 102,028.73		\$ 102,028.73	\$ 5,142.17	2.49	\$ 5,622.89
11 KI-ALCOA	\$ -	\$ 6,133.86		\$ 6,133.86	\$ 296.40	2.49	\$ 274.37
12 KI-ALERIS	\$ -	\$ 660,177.89		\$ 660,177.89	\$ 36,966.87	2.49	\$ 36,473.38
13 KI-AMG ALUMINUM NORTH AMERICA	\$ -	\$ 41,205.83		\$ 41,205.83	\$ 2,049.36	2.49	\$ 2,270.22
14 KI-ARMSTRONG - DOCK	\$ 8,270.60	\$ 192,184.34		\$ 192,184.34	\$ 9,426.13	2.49	\$ 10,139.48
15 KI-ARMSTRONG - EQUALITY	\$ 3,524.99	\$ 75,293.75		\$ 75,293.75	\$ 3,873.25	2.49	\$ 3,961.51
16 KI-ARMSTRONG - LEWIS	\$ 752.48	\$ 28,801.98		\$ 28,801.98	\$ 1,232.13	2.49	\$ 1,350.74
17 KI-ARMSTRONG - MIDWAY	\$ -	\$ 113,616.43		\$ 113,616.43	\$ 6,340.43	2.49	\$ 6,276.53
18 KI-DOMTAR PAPER CO.	\$ -	\$ 431,009.28		\$ 431,009.28	\$ 27,754.92	2.49	\$ 23,900.95
19 KI-DOTIKI #3	\$ -	\$ 3,913.45		\$ 3,913.45	\$ 193.61	2.49	\$ 213.32
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ -	\$ 8,770.52		\$ 8,770.52	\$ 90.87	2.49	\$ 474.75
21 KI-HOPKINS CO. COAL	\$ -	\$ 8,547.59		\$ 8,547.59	\$ 424.13	2.49	\$ 470.90
22 KI-KIMBERLY-CLARK	\$ -	\$ 1,057,809.57		\$ 1,057,809.57	\$ 66,975.53	2.49	\$ 58,631.21
23 KI-PATRIOT COAL, LP	\$ -	\$ 48,034.06		\$ 48,034.06	\$ 1,358.18	2.49	\$ 2,621.18
24 KI-PRECOAT	\$ -	\$ 73,185.08		\$ 73,185.08	\$ 3,616.35	2.49	\$ 4,031.52
25 KI-SEBREE MINING-KMMC	\$ -	\$ 4,773.74		\$ 4,773.74	\$ 235.10	2.49	\$ 246.54
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ -	\$ 158,844.40		\$ 158,844.40	\$ 8,045.70	2.49	\$ 8,755.03
27 KI-SOUTHWIRE CO.	\$ -	\$ 179,976.08		\$ 179,976.08	\$ 10,780.37	2.49	\$ 9,960.48
28 KI-TYSON FOODS	\$ -	\$ 266,953.78		\$ 266,953.78	\$ 15,504.41	2.49	\$ 14,762.23
29 KI-VALLEY GRAIN	\$ -	\$ 59,567.79		\$ 59,567.79	\$ 3,208.38	2.49	\$ 3,120.43
30							
31 SUBTOTAL INDUSTRIALS	\$ 12,548.07	\$ 3,520,828.15	\$ -	\$ 3,520,828.15	\$ 203,514.29	2.49	\$ 193,557.66
32							
33 JPI-SHELL OIL	\$ -	\$ 30,816.98		\$ 30,816.98	\$ 1,079.31	2.49	\$ 1,686.75
34							
35 TOTAL INDUSTRIALS	\$ 12,548.07	\$ 3,551,645.13	\$ -	\$ 3,551,645.13	\$ 204,593.60	2.49	\$ 195,244.41
36							
37 GRAND TOTAL	\$ 12,548.07	\$ 15,080,196.01	\$ 12.63	\$ 15,080,208.64	\$ 790,825.26	2.49	\$ 830,719.63

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**January 2013**

1

	ES MILLS/KWH	US \$	US MILLS/KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/KWH	REVENUE \$
2 JANUARY 2013							
3							
4 JP RURALS	2.65	\$ (215,402.75)	(3.33)	\$ (67,357.84)	\$ (20,446.76)	(1.04)	\$ 3,144,087.37
5 KENERGY RURALS	2.68	\$ (396,949.31)	(3.33)	\$ (124,128.64)	\$ (37,679.78)	(1.04)	\$ 5,858,576.05
6 MEADE CO. RURALS	2.78	\$ (172,354.48)	(3.33)	\$ (53,896.37)	\$ (16,360.47)	(1.04)	\$ 2,643,030.57
7							
8 TOTAL RURALS	2.70	\$ (784,706.54)	(3.33)	\$ (245,382.85)	\$ (74,487.01)	(1.04)	\$ 11,645,693.99
9							
10 KI-ACCURIDE	2.72	\$ (6,883.11)	(3.33)	\$ (2,152.39)	\$ (653.37)	(1.04)	\$ 103,104.92
11 KI-ALCOA	2.30	\$ (396.75)	(3.33)	\$ (124.07)	\$ (37.66)	(1.04)	\$ 6,146.15
12 KI-ALERIS	2.45	\$ (49,482.39)	(3.33)	\$ (15,473.47)	\$ (4,697.04)	(1.04)	\$ 663,965.24
13 KI-AMG ALUMINUM NORTH AMERICA	2.76	\$ (2,743.20)	(3.33)	\$ (857.82)	\$ (260.39)	(1.04)	\$ 41,664.00
14 KI-ARMSTRONG - DOCK	2.68	\$ (12,617.44)	(3.33)	\$ (3,945.56)	\$ (1,197.69)	(1.04)	\$ 193,989.26
15 KI-ARMSTRONG - EQUALITY	2.54	\$ (5,184.58)	(3.33)	\$ (1,621.25)	\$ (492.14)	(1.04)	\$ 75,830.54
16 KI-ARMSTRONG - LEWIS	2.73	\$ (1,649.29)	(3.33)	\$ (515.74)	\$ (156.56)	(1.04)	\$ 29,063.26
17 KI-ARMSTRONG - MIDWAY	2.46	\$ (8,487.05)	(3.33)	\$ (2,653.96)	\$ (805.62)	(1.04)	\$ 114,286.76
18 KI-DOMTAR PAPER CO.	2.14	\$ (37,151.64)	(3.33)	\$ (11,617.56)	\$ (3,526.56)	(1.04)	\$ 430,369.39
19 KI-DOTIKI #3	2.74	\$ (259.16)	(3.33)	\$ (81.04)	\$ (24.60)	(1.04)	\$ 3,955.58
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	12.99	\$ (121.64)	(3.33)	\$ (38.04)	\$ (11.55)	(1.04)	\$ 9,164.91
21 KI-HOPKINS CO. COAL	2.76	\$ (567.73)	(3.33)	\$ (177.53)	\$ (53.89)	(1.04)	\$ 8,643.47
22 KI-KIMBERLY-CLARK	2.18	\$ (89,650.80)	(3.33)	\$ (28,034.39)	\$ (8,509.96)	(1.04)	\$ 1,057,221.16
23 KI-PATRIOT COAL, LP	4.80	\$ (1,818.00)	(3.33)	\$ (568.50)	\$ (172.57)	(1.04)	\$ 49,454.35
24 KI-PRECOAT	2.77	\$ (4,840.70)	(3.33)	\$ (1,513.72)	\$ (459.50)	(1.04)	\$ 74,019.03
25 KI-SEBREE MINING-KMMC	2.61	\$ (314.69)	(3.33)	\$ (98.41)	\$ (29.87)	(1.04)	\$ 4,812.41
26 KI-SEBREE MINING-STEAMPORT-ALLIED	2.71	\$ (10,769.66)	(3.33)	\$ (3,367.74)	\$ (1,022.29)	(1.04)	\$ 160,485.44
27 KI-SOUTHWIRE CO.	2.30	\$ (14,430.18)	(3.33)	\$ (4,512.41)	\$ (1,369.76)	(1.04)	\$ 180,404.58
28 KI-TYSON FOODS	2.37	\$ (20,753.59)	(3.33)	\$ (6,489.78)	\$ (1,970.00)	(1.04)	\$ 268,007.05
29 KI-VALLEY GRAIN	2.42	\$ (4,294.61)	(3.33)	\$ (1,342.95)	\$ (407.66)	(1.04)	\$ 59,851.38
30							
31 SUBTOTAL INDUSTRIALS	2.37	\$ (272,416.21)	(3.33)	\$ (85,186.33)	\$ (25,858.68)	(1.04)	\$ 3,534,438.88
32							
33 JPI-SHELL OIL	3.89	\$ (1,444.72)	(3.33)	\$ (451.77)	\$ (137.14)	(1.04)	\$ 31,549.41
34							
35 TOTAL INDUSTRIALS	2.37	\$ (273,860.93)	(3.33)	\$ (85,638.10)	\$ (25,995.82)	(1.04)	\$ 3,565,988.29
36							
37 GRAND TOTAL	2.61	\$ (1,058,567.47)	(3.33)	\$ (331,020.95)	\$ (100,482.83)	(1.04)	\$ 15,211,682.28

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**January 2013**

1

	REVENUE MILLS/KWH	MRSM \$	MRSM MILLS/KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/KWH
2 JANUARY 2013					
3					
4 JP RURALS	48.59	\$ (389,801.27)	(6.02)	\$ 2,754,286.10	42.57
5 KENERGY RURALS	49.13	\$ (721,637.61)	(6.05)	\$ 5,136,938.44	43.08
6 MEADE CO. RURALS	51.05	\$ (318,407.34)	(6.15)	\$ 2,324,623.23	44.90
7					
8 TOTAL RURALS	49.41	\$ (1,429,846.22)	(6.07)	\$ 10,215,847.77	43.34
9					
10 KI-ACCURIDE	49.87	\$ (12,590.77)	(6.09)	\$ 90,514.15	43.78
11 KI-ALCOA	51.57	\$ (676.01)	(5.67)	\$ 5,470.14	45.90
12 KI-ALERIS	44.67	\$ (86,565.20)	(5.82)	\$ 577,400.04	38.85
13 KI-AMG ALUMINUM NORTH AMERICA	50.56	\$ (5,047.19)	(6.13)	\$ 36,616.81	44.44
14 KI-ARMSTRONG - DOCK	51.18	\$ (22,912.32)	(6.05)	\$ 171,076.94	45.14
15 KI-ARMSTRONG - EQUALITY	48.69	\$ (9,209.95)	(5.91)	\$ 66,620.59	42.78
16 KI-ARMSTRONG - LEWIS	58.66	\$ (3,020.33)	(6.10)	\$ 26,042.93	52.57
17 KI-ARMSTRONG - MIDWAY	44.83	\$ (14,868.11)	(5.83)	\$ 99,418.65	39.00
18 KI-DOMTAR PAPER CO.	38.56	\$ (61,510.15)	(5.51)	\$ 368,859.24	33.05
19 KI-DOTIKI #3	50.81	\$ (475.67)	(6.11)	\$ 3,479.91	44.70
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	250.82	\$ (597.89)	(16.36)	\$ 8,567.02	234.46
21 KI-HOPKINS CO. COAL	50.68	\$ (1,045.61)	(6.13)	\$ 7,597.86	44.55
22 KI-KIMBERLY-CLARK	39.26	\$ (149,386.15)	(5.55)	\$ 907,835.01	33.71
23 KI-PATRIOT COAL, LP	90.56	\$ (4,461.58)	(8.17)	\$ 44,992.77	82.39
24 KI-PRECOAT	50.90	\$ (8,931.84)	(6.14)	\$ 65,087.19	44.76
25 KI-SEBREE MINING-KMMC	50.91	\$ (565.11)	(5.98)	\$ 4,247.30	44.93
26 KI-SEBREE MINING-STEAMPORT-ALLIED	49.61	\$ (19,657.32)	(6.08)	\$ 140,828.12	43.53
27 KI-SOUTHWIRE CO.	41.62	\$ (24,568.38)	(5.67)	\$ 155,836.20	35.95
28 KI-TYSON FOODS	42.99	\$ (35,771.42)	(5.74)	\$ 232,235.63	37.25
29 KI-VALLEY GRAIN	46.39	\$ (7,467.93)	(5.79)	\$ 52,383.45	40.61
30					
31 SUBTOTAL INDUSTRIALS	43.19	\$ (469,328.93)	(5.74)	\$ 3,065,109.95	37.46
32					
33 JPI-SHELL OIL	72.70	\$ (3,149.26)	(7.26)	\$ 28,400.15	65.44
34					
35 TOTAL INDUSTRIALS	43.35	\$ (472,478.19)	(5.74)	\$ 3,093,510.10	37.60
36					
37					
GRAND TOTAL	47.84	\$ (1,902,324.41)	(5.98)	\$ 13,309,357.87	41.86

Case No. 2013-00266

Witness: Nicholas R. Castlen

Attachment for Response to Staff Item 6

Page 12 of 48

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**February 2013**

1

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
2 FEBRUARY 2013							
3							
4 JP RURALS	124,915	55,109,320	\$ 1,211,300.76	\$ 1,638,730.74	\$ 2,850,031.50		\$ -
5 KENERGY RURALS	239,701	103,915,907	\$ 2,324,380.60	\$ 3,090,043.41	\$ 5,414,424.01		\$ -
6 MEADE CO. RURALS	115,053	45,287,324	\$ 1,115,668.94	\$ 1,346,663.87	\$ 2,462,332.81		\$ -
7							
8 TOTAL RURALS	479,669	204,312,551	\$ 4,651,350.30	\$ 6,075,438.02	\$ 10,726,788.32	\$ -	\$ -
9							
10 KI-ACCURIDE	4,876	1,846,120	\$ 51,198.00	\$ 45,244.71	\$ 96,442.71	\$ -	\$ -
11 KI-ALCOA	184	96,410	\$ 1,932.00	\$ 2,362.82	\$ 4,294.82	\$ 1,344.00	\$ -
12 KI-ALERIS	27,594	14,142,520	\$ 289,737.00	\$ 346,604.88	\$ 636,341.88	\$ -	\$ -
13 KI-AMG ALUMINUM NORTH AMERICA	2,001	735,920	\$ 21,010.50	\$ 18,035.93	\$ 39,046.43	\$ -	\$ -
14 KI-ARMSTRONG - DOCK	9,072	3,628,780	\$ 95,256.00	\$ 88,934.14	\$ 184,190.14	\$ -	\$ 6,506.35
15 KI-ARMSTRONG - EQUALITY	3,137	1,391,500	\$ 32,938.50	\$ 34,102.88	\$ 67,041.38	\$ -	\$ 3,526.38
16 KI-ARMSTRONG - LEWIS	1,222	485,720	\$ 12,831.00	\$ 11,904.03	\$ 24,735.03	\$ -	\$ 1,319.98
17 KI-ARMSTRONG - MIDWAY	5,037	2,525,210	\$ 52,888.50	\$ 61,887.85	\$ 114,776.35	\$ -	\$ -
18 KI-DOMTAR PAPER CO.	15,000	10,065,000	\$ 157,500.00	\$ 246,673.02	\$ 404,173.02	\$ -	\$ -
19 KI-DOTIKI #3	177	36,730	\$ 1,858.50	\$ 900.18	\$ 2,758.68	\$ 157.50	\$ -
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	53,080	\$ 7,875.00	\$ 1,300.88	\$ 9,175.88	\$ -	\$ -
21 KI-HOPKINS CO. COAL	422	173,570	\$ 4,431.00	\$ 4,253.85	\$ 8,684.85	\$ -	\$ -
22 KI-KIMBERLY-CLARK	37,714	24,011,120	\$ 395,997.00	\$ 588,464.53	\$ 984,461.53	\$ -	\$ -
23 KI-PATRIOT COAL, LP	3,300	182,530	\$ 34,650.00	\$ 4,473.45	\$ 39,123.45	\$ -	\$ -
24 KI-PRECOAT	3,546	1,337,830	\$ 37,233.00	\$ 32,787.54	\$ 70,020.54	\$ 420.00	\$ -
25 KI-SEBREE MINING-KMMC	208	82,670	\$ 2,184.00	\$ 2,026.08	\$ 4,210.08	\$ -	\$ -
26 KI-SEBREE MINING-STEAMPORT-ALLIED	8,127	2,984,160	\$ 85,333.50	\$ 73,135.79	\$ 158,469.29	\$ -	\$ -
27 KI-SOUTHWIRE CO.	6,751	3,778,440	\$ 70,885.50	\$ 92,602.01	\$ 163,487.51	\$ -	\$ -
28 KI-TYSON FOODS	10,420	5,527,300	\$ 109,410.00	\$ 135,463.07	\$ 244,873.07	\$ -	\$ -
29 KI-VALLEY GRAIN	2,375	967,614	\$ 24,937.50	\$ 23,714.28	\$ 48,651.78	\$ 3,118.50	\$ -
30							
31 SUBTOTAL INDUSTRIALS	141,913	74,052,224	\$ 1,490,086.50	\$ 1,814,871.92	\$ 3,304,958.42	\$ 5,040.00	\$ 11,352.71
32							
33 JPI-SHELL OIL	1,912	292,853	\$ 20,076.00	\$ 7,177.24	\$ 27,253.24	\$ -	\$ -
34							
35 TOTAL INDUSTRIALS	143,825	74,345,077	\$ 1,510,162.50	\$ 1,822,049.16	\$ 3,332,211.66	\$ 5,040.00	\$ 11,352.71
36							
37							
GRAND TOTAL	623,494	278,657,628	\$ 6,161,512.80	\$ 7,897,487.18	\$ 14,058,999.98	\$ 5,040.00	\$ 11,352.71

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**February 2013**

1

	PSC BILLING ADJ - ORDR	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$
2 FEBRUARY 2013							
3							
4 JP RURALS	\$ 374,638.06	\$ 2,850,031.50	\$ 12.63	\$ 2,850,044.13	\$ 191,945.76	3.48	\$ 160,815.41
5 KENERGY RURALS	\$ 677,363.01	\$ 5,414,424.01	\$ -	\$ 5,414,424.01	\$ 361,939.10	3.48	\$ 305,423.59
6 MEADE CO. RURALS	\$ 269,752.90	\$ 2,462,332.81	\$ -	\$ 2,462,332.81	\$ 157,735.75	3.48	\$ 138,671.26
7							
8 TOTAL RURALS	\$ 1,321,753.97	\$ 10,726,788.32	\$ 12.63	\$ 10,726,800.95	\$ 711,620.61	3.48	\$ 604,910.26
9							
10 KI-ACCURIDE	\$ 107.34	\$ 96,442.71		\$ 96,442.71	\$ 6,430.04	3.48	\$ 5,439.70
11 KI-ALCOA	\$ 4.43	\$ 5,638.82		\$ 5,638.82	\$ 335.80	3.48	\$ 243.88
12 KI-ALERIS	\$ 714.87	\$ 636,341.88		\$ 636,341.88	\$ 49,258.40	3.48	\$ 36,117.90
13 KI-AMG ALUMINUM NORTH AMERICA	\$ 29.11	\$ 39,046.43		\$ 39,046.43	\$ 2,563.21	3.48	\$ 2,201.03
14 KI-ARMSTRONG - DOCK	\$ 142.39	\$ 190,696.49		\$ 190,696.49	\$ 12,639.04	3.48	\$ 10,400.83
15 KI-ARMSTRONG - EQUALITY	\$ 69.31	\$ 70,567.76		\$ 70,567.76	\$ 4,846.59	3.48	\$ 3,793.83
16 KI-ARMSTRONG - LEWIS	\$ 14.91	\$ 26,055.01		\$ 26,055.01	\$ 1,691.76	3.48	\$ 1,396.55
17 KI-ARMSTRONG - MIDWAY	\$ 92.04	\$ 114,776.35		\$ 114,776.35	\$ 8,795.31	3.48	\$ 6,511.59
18 KI-DOMTAR PAPER CO.	\$ 590.04	\$ 404,173.02		\$ 404,173.02	\$ 35,056.40	3.48	\$ 23,065.03
19 KI-DOTIKI #3	\$ 21.78	\$ 2,916.18		\$ 2,916.18	\$ 127.93	3.48	\$ 153.75
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 0.01	\$ 9,175.88		\$ 9,175.88	\$ 184.88	3.48	\$ 503.43
21 KI-HOPKINS CO. COAL	\$ 7.41	\$ 8,684.85		\$ 8,684.85	\$ 604.54	3.48	\$ 490.70
22 KI-KIMBERLY-CLARK	\$ 1,223.92	\$ 984,461.53		\$ 984,461.53	\$ 83,630.73	3.48	\$ 56,122.33
23 KI-PATRIOT COAL, LP	\$ 73.76	\$ 39,123.45		\$ 39,123.45	\$ 635.75	3.48	\$ 2,141.44
24 KI-PRECOAT	\$ 67.39	\$ 70,440.54		\$ 70,440.54	\$ 4,659.66	3.48	\$ 3,949.11
25 KI-SEBREE MINING-KMMC	\$ 2.68	\$ 4,210.08		\$ 4,210.08	\$ 287.94	3.48	\$ 237.70
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 137.52	\$ 158,469.29		\$ 158,469.29	\$ 10,393.83	3.48	\$ 8,932.54
27 KI-SOUTHWIRE CO.	\$ 204.16	\$ 163,487.51		\$ 163,487.51	\$ 13,160.31	3.48	\$ 9,296.03
28 KI-TYSON FOODS	\$ 278.29	\$ 244,873.07		\$ 244,873.07	\$ 19,251.59	3.48	\$ 13,908.46
29 KI-VALLEY GRAIN	\$ 49.19	\$ 51,770.28		\$ 51,770.28	\$ 3,370.20	3.48	\$ 2,748.31
30							
31 SUBTOTAL INDUSTRIALS	\$ 3,830.55	\$ 3,321,351.13	\$ -	\$ 3,321,351.13	\$ 257,923.91	3.48	\$ 187,654.14
32							
33 JPI-SHELL OIL	\$ 20.41	\$ 27,253.24		\$ 27,253.24	\$ 1,020.01	3.48	\$ 1,510.81
34							
35 TOTAL INDUSTRIALS	\$ 3,850.96	\$ 3,348,604.37	\$ -	\$ 3,348,604.37	\$ 258,943.92	3.48	\$ 189,164.95
36							
37 GRAND TOTAL	\$ 1,325,604.93	\$ 14,075,392.69	\$ 12.63	\$ 14,075,405.32	\$ 970,564.53	3.48	\$ 794,075.21

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**February 2013**

1

	ES MILLS/KWH	US \$	US MILLS/KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/KWH	REVENUE \$
2 FEBRUARY 2013							
3							
4 JP RURALS	2.92	\$ (183,458.93)	(3.33)	\$ (57,368.80)	\$ (17,414.55)	(1.04)	\$ 3,319,201.08
5 KENERGY RURALS	2.94	\$ (345,936.05)	(3.33)	\$ (108,176.46)	\$ (32,837.43)	(1.04)	\$ 6,272,199.77
6 MEADE CO. RURALS	3.06	\$ (150,761.50)	(3.33)	\$ (47,144.10)	\$ (14,310.79)	(1.04)	\$ 2,816,276.33
7							
8 TOTAL RURALS	2.96	\$ (680,156.48)	(3.33)	\$ (212,689.36)	\$ (64,562.77)	(1.04)	\$ 12,407,677.18
9							
10 KI-ACCURIDE	2.95	\$ (6,145.73)	(3.33)	\$ (1,921.81)	\$ (583.37)	(1.04)	\$ 99,768.88
11 KI-ALCOA	2.53	\$ (320.95)	(3.33)	\$ (100.36)	\$ (30.47)	(1.04)	\$ 5,771.15
12 KI-ALERIS	2.55	\$ (47,080.45)	(3.33)	\$ (14,722.36)	\$ (4,469.04)	(1.04)	\$ 656,161.20
13 KI-AMG ALUMINUM NORTH AMERICA	2.99	\$ (2,449.88)	(3.33)	\$ (766.09)	\$ (232.55)	(1.04)	\$ 40,391.26
14 KI-ARMSTRONG - DOCK	2.87	\$ (12,080.21)	(3.33)	\$ (3,777.56)	\$ (1,146.69)	(1.04)	\$ 196,874.29
15 KI-ARMSTRONG - EQUALITY	2.73	\$ (4,632.30)	(3.33)	\$ (1,448.55)	\$ (439.71)	(1.04)	\$ 72,756.93
16 KI-ARMSTRONG - LEWIS	2.88	\$ (1,616.96)	(3.33)	\$ (505.63)	\$ (153.49)	(1.04)	\$ 26,882.15
17 KI-ARMSTRONG - MIDWAY	2.58	\$ (8,406.42)	(3.33)	\$ (2,628.74)	\$ (797.97)	(1.04)	\$ 118,342.16
18 KI-DOMTAR PAPER CO.	2.29	\$ (33,506.39)	(3.33)	\$ (10,477.67)	\$ (3,180.54)	(1.04)	\$ 415,719.89
19 KI-DOTIKI #3	4.19	\$ (122.27)	(3.33)	\$ (38.24)	\$ (11.61)	(1.04)	\$ 3,047.52
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	9.48	\$ (176.70)	(3.33)	\$ (55.26)	\$ (16.77)	(1.04)	\$ 9,615.47
21 KI-HOPKINS CO. COAL	2.83	\$ (577.81)	(3.33)	\$ (180.69)	\$ (54.85)	(1.04)	\$ 8,974.15
22 KI-KIMBERLY-CLARK	2.34	\$ (79,933.02)	(3.33)	\$ (24,995.58)	\$ (7,587.51)	(1.04)	\$ 1,012,922.40
23 KI-PATRIOT COAL, LP	11.73	\$ (607.64)	(3.33)	\$ (190.01)	\$ (57.68)	(1.04)	\$ 41,119.07
24 KI-PRECOAT	2.95	\$ (4,453.64)	(3.33)	\$ (1,392.68)	\$ (422.75)	(1.04)	\$ 72,847.63
25 KI-SEBREE MINING-KMMC	2.88	\$ (275.21)	(3.33)	\$ (86.06)	\$ (26.12)	(1.04)	\$ 4,351.01
26 KI-SEBREE MINING-STEAMPORT-ALLIED	2.99	\$ (9,934.27)	(3.33)	\$ (3,106.51)	\$ (942.99)	(1.04)	\$ 163,949.41
27 KI-SOUTHWIRE CO.	2.46	\$ (12,578.43)	(3.33)	\$ (3,933.36)	\$ (1,193.99)	(1.04)	\$ 168,442.23
28 KI-TYSON FOODS	2.52	\$ (18,400.38)	(3.33)	\$ (5,753.92)	\$ (1,746.63)	(1.04)	\$ 252,410.48
29 KI-VALLEY GRAIN	2.84	\$ (3,221.19)	(3.33)	\$ (1,007.29)	\$ (305.77)	(1.04)	\$ 53,403.73
30							
31 SUBTOTAL INDUSTRIALS	2.53	\$ (246,519.85)	(3.33)	\$ (77,088.37)	\$ (23,400.50)	(1.04)	\$ 3,423,751.01
32							
33 JPI-SHELL OIL	5.16	\$ (974.91)	(3.33)	\$ (304.86)	\$ (92.54)	(1.04)	\$ 28,432.16
34							
35 TOTAL INDUSTRIALS	2.54	\$ (247,494.76)	(3.33)	\$ (77,393.23)	\$ (23,493.04)	(1.04)	\$ 3,452,183.17
36							
37							
GRAND TOTAL	2.85	\$ (927,651.24)	(3.33)	\$ (290,082.59)	\$ (88,055.81)	(1.04)	\$ 15,859,860.35



**Big Rivers Electric Corporation  
Monthly Billing Summary  
Electric Utility Sales  
February 2013**

1

	REVENUE MILLS/KWH	MRSM \$	MRSM MILLS/KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/KWH
2 FEBRUARY 2013					
3					
4 JP RURALS	60.23	\$ (401,422.70)	(7.28)	\$ 2,543,140.32	46.15
5 KENERGY RURALS	60.36	\$ (759,120.44)	(7.31)	\$ 4,835,716.32	46.53
6 MEADE CO. RURALS	62.19	\$ (336,395.72)	(7.43)	\$ 2,210,127.71	48.80
7					
8 TOTAL RURALS	60.73	\$ (1,496,938.86)	(7.33)	\$ 9,588,984.35	46.93
9					
10 KI-ACCURIDE	54.04	\$ (13,499.87)	(7.31)	\$ 86,161.67	46.67
11 KI-ALCOA	59.86	\$ (664.81)	(6.90)	\$ 5,101.91	52.92
12 KI-ALERIS	46.40	\$ (97,864.14)	(6.92)	\$ 557,582.19	39.43
13 KI-AMG ALUMINUM NORTH AMERICA	54.89	\$ (5,414.06)	(7.36)	\$ 34,948.09	47.49
14 KI-ARMSTRONG - DOCK	54.25	\$ (26,244.08)	(7.23)	\$ 170,487.82	46.98
15 KI-ARMSTRONG - EQUALITY	52.29	\$ (9,869.12)	(7.09)	\$ 62,818.50	45.14
16 KI-ARMSTRONG - LEWIS	55.34	\$ (3,517.20)	(7.24)	\$ 23,350.04	48.07
17 KI-ARMSTRONG - MIDWAY	46.86	\$ (17,536.66)	(6.94)	\$ 100,713.46	39.88
18 KI-DOMTAR PAPER CO.	41.30	\$ (67,008.82)	(6.66)	\$ 348,121.03	34.59
19 KI-DOTIKI #3	82.97	\$ (314.12)	(8.55)	\$ 2,711.62	73.83
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	181.15	\$ (735.18)	(13.85)	\$ 8,880.28	167.30
21 KI-HOPKINS CO. COAL	51.70	\$ (1,248.51)	(7.19)	\$ 7,718.23	44.47
22 KI-KIMBERLY-CLARK	42.19	\$ (160,954.88)	(6.70)	\$ 850,743.60	35.43
23 KI-PATRIOT COAL, LP	225.27	\$ (2,938.37)	(16.10)	\$ 38,106.94	208.77
24 KI-PRECOAT	54.45	\$ (9,790.07)	(7.32)	\$ 62,990.17	47.08
25 KI-SEBREE MINING-KMMC	52.63	\$ (598.64)	(7.24)	\$ 3,749.69	45.36
26 KI-SEBREE MINING-STEAMPORT-ALLIED	54.94	\$ (21,961.38)	(7.36)	\$ 141,850.51	47.53
27 KI-SOUTHWIRE CO.	44.58	\$ (25,792.70)	(6.83)	\$ 142,445.37	37.70
28 KI-TYSON FOODS	45.67	\$ (38,040.66)	(6.88)	\$ 214,091.53	38.73
29 KI-VALLEY GRAIN	55.19	\$ (6,972.91)	(7.21)	\$ 46,381.63	47.93
30					
31 SUBTOTAL INDUSTRIALS	46.23	\$ (510,966.18)	(6.90)	\$ 2,908,954.28	39.28
32					
33 JPI-SHELL OIL	97.09	\$ (2,789.40)	(9.52)	\$ 25,622.35	87.49
34					
35 TOTAL INDUSTRIALS	46.43	\$ (513,755.58)	(6.91)	\$ 2,934,576.63	39.47
36					
37					
GRAND TOTAL	56.92	\$ (2,010,694.44)	(7.22)	\$ 12,523,560.98	44.94

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**March 2013**

1

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
2 MARCH 2013							
3							
4 JP RURALS	110,695	57,997,940	\$ 1,073,409.42	\$ 1,724,626.74	\$ 2,798,036.16		\$ -
5 KENERGY RURALS	211,256	108,401,454	\$ 2,048,549.43	\$ 3,223,425.64	\$ 5,271,975.07		\$ -
6 MEADE CO. RURALS	96,436	46,894,260	\$ 935,139.89	\$ 1,394,447.72	\$ 2,329,587.61		\$ -
7							
8 TOTAL RURALS	418,387	213,293,654	\$ 4,057,098.74	\$ 6,342,500.10	\$ 10,399,598.84	\$ -	\$ -
9							
10 KI-ACCURIDE	5,035	2,008,880	\$ 52,867.50	\$ 49,233.63	\$ 102,101.13	\$ -	\$ -
11 KI-ALCOA	169	97,030	\$ 1,774.50	\$ 2,378.01	\$ 4,152.51	\$ 1,417.50	\$ -
12 KI-ALERIS	28,690	16,101,490	\$ 301,245.00	\$ 394,615.32	\$ 695,860.32	\$ -	\$ -
13 KI-AMG ALUMINUM NORTH AMERICA	2,145	779,570	\$ 22,522.50	\$ 19,105.70	\$ 41,628.20	\$ -	\$ -
14 KI-ARMSTRONG - DOCK	10,080	4,411,280	\$ 105,840.00	\$ 108,111.65	\$ 213,951.65	\$ -	\$ 6,999.30
15 KI-ARMSTRONG - EQUALITY	3,011	1,552,800	\$ 31,615.50	\$ 38,056.02	\$ 69,671.52	\$ -	\$ 3,569.36
16 KI-ARMSTRONG - LEWIS	1,329	483,260	\$ 13,954.50	\$ 11,843.74	\$ 25,798.24	\$ -	\$ 2,087.50
17 KI-ARMSTRONG - MIDWAY	5,049	2,694,340	\$ 53,014.50	\$ 66,032.88	\$ 119,047.38	\$ -	\$ -
18 KI-DOMTAR PAPER CO.	15,000	11,145,000	\$ 157,500.00	\$ 273,141.66	\$ 430,641.66	\$ -	\$ -
19 KI-DOTIKI #3	94	35,800	\$ 987.00	\$ 877.39	\$ 1,864.39	\$ -	\$ -
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	73,350	\$ 7,875.00	\$ 1,797.66	\$ 9,672.66	\$ -	\$ -
21 KI-HOPKINS CO. COAL	416	177,620	\$ 4,368.00	\$ 4,353.11	\$ 8,721.11	\$ -	\$ -
22 KI-KIMBERLY-CLARK	38,059	26,699,800	\$ 399,619.50	\$ 654,358.70	\$ 1,053,978.20	\$ -	\$ -
23 KI-PATRIOT COAL, LP	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
24 KI-PRECOAT	3,568	1,324,300	\$ 37,464.00	\$ 32,455.94	\$ 69,919.94	\$ 420.00	\$ -
25 KI-SEBREE MINING-KMMC	198	75,500	\$ 2,079.00	\$ 1,850.35	\$ 3,929.35	\$ -	\$ -
26 KI-SEBREE MINING-STEAMPORT-ALLIED	7,867	3,078,044	\$ 82,603.50	\$ 75,436.70	\$ 158,040.20	\$ -	\$ -
27 KI-SOUTHWIRE CO.	6,744	4,051,860	\$ 70,812.00	\$ 99,302.98	\$ 170,114.98	\$ -	\$ -
28 KI-TYSON FOODS	10,478	5,648,650	\$ 110,019.00	\$ 138,437.11	\$ 248,456.11	\$ -	\$ -
29 KI-VALLEY GRAIN	2,270	1,081,930	\$ 23,835.00	\$ 26,515.94	\$ 50,350.94	\$ 3,318.00	\$ -
30							
31 SUBTOTAL INDUSTRIALS	140,952	81,520,504	\$ 1,479,996.00	\$ 1,997,904.49	\$ 3,477,900.49	\$ 5,155.50	\$ 12,656.16
32							
33 JPI-SHELL OIL	1,912	451,820	\$ 20,076.00	\$ 11,073.20	\$ 31,149.20	\$ -	\$ -
34							
35 TOTAL INDUSTRIALS	142,864	81,972,324	\$ 1,500,072.00	\$ 2,008,977.69	\$ 3,509,049.69	\$ 5,155.50	\$ 12,656.16
36							
37 GRAND TOTAL	561,251	295,265,978	\$ 5,557,170.74	\$ 8,351,477.79	\$ 13,908,648.53	\$ 5,155.50	\$ 12,656.16

Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Electric Utility Sales  
 March 2013

1

	PSC BILLING ADJ	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$
2 MARCH 2013							
3							
4 JP RURALS	74,927.61	\$ 2,798,036.16	\$ 12.63	\$ 2,798,048.79	\$ 212,794.44	3.67	\$ 142,065.27
5 KENERGY RURALS	135,472.60	\$ 5,271,975.07	\$ -	\$ 5,271,975.07	\$ 397,724.93	3.67	\$ 267,576.89
6 MEADE CO. RURALS	53,950.58	\$ 2,329,587.61	\$ -	\$ 2,329,587.61	\$ 172,055.04	3.67	\$ 118,124.52
7							
8 TOTAL RURALS	\$ 264,350.79	\$ 10,399,598.84	\$ 12.63	\$ 10,399,611.47	\$ 782,574.41	3.67	\$ 527,766.68
9							
10 KI-ACCURIDE	21.47	\$ 102,101.13		\$ 102,101.13	\$ 7,370.58	3.67	\$ 5,171.96
11 KI-ALCOA	0.89	\$ 5,570.01		\$ 5,570.01	\$ 356.00	3.67	\$ 212.06
12 KI-ALERIS	142.97	\$ 695,860.32		\$ 695,860.32	\$ 59,076.37	3.67	\$ 35,518.99
13 KI-AMG ALUMINUM NORTH AMERICA	5.82	\$ 41,628.20		\$ 41,628.20	\$ 2,860.24	3.67	\$ 2,104.27
14 KI-ARMSTRONG - DOCK	28.48	\$ 220,950.95		\$ 220,950.95	\$ 16,184.99	3.67	\$ 10,860.38
15 KI-ARMSTRONG - EQUALITY	13.86	\$ 73,240.88		\$ 73,240.88	\$ 5,697.22	3.67	\$ 3,549.62
16 KI-ARMSTRONG - LEWIS	2.98	\$ 27,885.74		\$ 27,885.74	\$ 1,773.08	3.67	\$ 1,304.09
17 KI-ARMSTRONG - MIDWAY	18.41	\$ 119,047.38		\$ 119,047.38	\$ 9,885.53	3.67	\$ 6,069.81
18 KI-DOMTAR PAPER CO.	118.01	\$ 430,641.66		\$ 430,641.66	\$ 40,891.01	3.67	\$ 22,113.59
19 KI-DOTIKI #3	4.36	\$ 1,864.39		\$ 1,864.39	\$ 131.35	3.67	\$ 94.34
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	0.01	\$ 9,672.66		\$ 9,672.66	\$ 269.12	3.67	\$ 476.87
21 KI-HOPKINS CO. COAL	1.48	\$ 8,721.11		\$ 8,721.11	\$ 651.69	3.67	\$ 442.45
22 KI-KIMBERLY-CLARK	244.78	\$ 1,053,978.20		\$ 1,053,978.20	\$ 97,961.57	3.67	\$ 54,057.47
23 KI-PATRIOT COAL, LP	0.00	\$ -		\$ -	\$ -	0.00	\$ -
24 KI-PRECOAT	13.48	\$ 70,339.94		\$ 70,339.94	\$ 4,858.86	3.67	\$ 3,536.06
25 KI-SEBREE MINING-KMMC	0.54	\$ 3,929.35		\$ 3,929.35	\$ 277.01	3.67	\$ 198.84
26 KI-SEBREE MINING-STEAMPORT-ALLIED	27.50	\$ 158,040.20		\$ 158,040.20	\$ 11,293.34	3.67	\$ 8,002.05
27 KI-SOUTHWIRE CO.	40.83	\$ 170,114.98		\$ 170,114.98	\$ 14,866.27	3.67	\$ 8,696.17
28 KI-TYSON FOODS	55.66	\$ 248,456.11		\$ 248,456.11	\$ 20,724.90	3.67	\$ 12,670.77
29 KI-VALLEY GRAIN	9.84	\$ 53,668.94		\$ 53,668.94	\$ 3,969.60	3.67	\$ 2,560.76
30							
31 SUBTOTAL INDUSTRIALS	\$ 751.37	\$ 3,495,712.15	\$ -	\$ 3,495,712.15	\$ 299,098.73	3.67	\$ 177,640.55
32							
33 JPI-SHELL OIL	\$ 4.08	\$ 31,149.20		\$ 31,149.20	\$ 1,657.73	3.67	\$ 1,559.83
34							
35 TOTAL INDUSTRIALS	\$ 755.45	\$ 3,526,861.35	\$ -	\$ 3,526,861.35	\$ 300,756.46	3.67	\$ 179,200.38
36							
37							
GRAND TOTAL	\$ 265,106.24	\$ 13,926,460.19	\$ 12.63	\$ 13,926,472.82	\$ 1,083,330.87	3.67	\$ 706,967.06

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**March 2013**

1

	ES MILLS/KWH	US \$	US MILLS/KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/KWH	REVENUE \$
2 MARCH 2013							
3							
4 JP RURALS	2.45	\$ (193,075.14)	(3.33)	\$ (60,375.86)	\$ (18,327.35)	(1.04)	\$ 2,881,130.15
5 KENERGY RURALS	2.47	\$ (360,868.44)	(3.33)	\$ (112,845.91)	\$ (34,254.86)	(1.04)	\$ 5,429,307.68
6 MEADE CO. RURALS	2.52	\$ (156,110.99)	(3.33)	\$ (48,816.92)	\$ (14,818.59)	(1.04)	\$ 2,400,020.67
7							
8 TOTAL RURALS	2.47	\$ (710,054.57)	(3.33)	\$ (222,038.69)	\$ (67,400.80)	(1.04)	\$ 10,710,458.50
9							
10 KI-ACCURIDE	2.57	\$ (6,687.56)	(3.33)	\$ (2,091.24)	\$ (634.81)	(1.04)	\$ 105,230.06
11 KI-ALCOA	2.19	\$ (323.01)	(3.33)	\$ (101.01)	\$ (30.66)	(1.04)	\$ 5,683.39
12 KI-ALERIS	2.21	\$ (53,601.86)	(3.33)	\$ (16,761.65)	\$ (5,088.07)	(1.04)	\$ 715,004.10
13 KI-AMG ALUMINUM NORTH AMERICA	2.70	\$ (2,595.19)	(3.33)	\$ (811.53)	\$ (246.34)	(1.04)	\$ 42,939.65
14 KI-ARMSTRONG - DOCK	2.46	\$ (14,685.15)	(3.33)	\$ (4,592.14)	\$ (1,393.96)	(1.04)	\$ 227,325.07
15 KI-ARMSTRONG - EQUALITY	2.29	\$ (5,169.27)	(3.33)	\$ (1,616.46)	\$ (490.68)	(1.04)	\$ 75,211.31
16 KI-ARMSTRONG - LEWIS	2.70	\$ (1,608.77)	(3.33)	\$ (503.07)	\$ (152.71)	(1.04)	\$ 28,698.36
17 KI-ARMSTRONG - MIDWAY	2.25	\$ (8,969.46)	(3.33)	\$ (2,804.81)	\$ (851.41)	(1.04)	\$ 122,377.04
18 KI-DOMTAR PAPER CO.	1.98	\$ (37,101.71)	(3.33)	\$ (11,601.95)	\$ (3,521.82)	(1.04)	\$ 441,420.78
19 KI-DOTIKI #3	2.64	\$ (119.18)	(3.33)	\$ (37.27)	\$ (11.31)	(1.04)	\$ 1,922.32
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	6.50	\$ (244.18)	(3.33)	\$ (76.36)	\$ (23.18)	(1.04)	\$ 10,074.93
21 KI-HOPKINS CO. COAL	2.49	\$ (591.30)	(3.33)	\$ (184.90)	\$ (56.13)	(1.04)	\$ 8,982.92
22 KI-KIMBERLY-CLARK	2.02	\$ (88,883.63)	(3.33)	\$ (27,794.49)	\$ (8,437.14)	(1.04)	\$ 1,080,881.98
23 KI-PATRIOT COAL, LP	0.00	\$ -	0.00	\$ -	\$ -	0.00	\$ (73.76)
24 KI-PRECOAT	2.67	\$ (4,408.59)	(3.33)	\$ (1,378.60)	\$ (418.48)	(1.04)	\$ 72,529.19
25 KI-SEBREE MINING-KMMC	2.63	\$ (251.34)	(3.33)	\$ (78.60)	\$ (23.86)	(1.04)	\$ 4,051.40
26 KI-SEBREE MINING-STEAMPORT-ALLIED	2.60	\$ (10,246.81)	(3.33)	\$ (3,204.24)	\$ (972.66)	(1.04)	\$ 162,911.88
27 KI-SOUTHWIRE CO.	2.15	\$ (13,488.64)	(3.33)	\$ (4,217.99)	\$ (1,280.39)	(1.04)	\$ 174,690.40
28 KI-TYSON FOODS	2.24	\$ (18,804.36)	(3.33)	\$ (5,880.24)	\$ (1,784.97)	(1.04)	\$ 255,382.21
29 KI-VALLEY GRAIN	2.37	\$ (3,601.74)	(3.33)	\$ (1,126.29)	\$ (341.89)	(1.04)	\$ 55,129.38
30							
31 SUBTOTAL INDUSTRIALS	2.18	\$ (271,381.75)	(3.33)	\$ (84,862.84)	\$ (25,760.47)	(1.04)	\$ 3,590,372.61
32							
33 JPI-SHELL OIL	3.45	\$ (1,504.11)	(3.33)	\$ (470.34)	\$ (142.78)	(1.04)	\$ 32,249.53
34							
35 TOTAL INDUSTRIALS	2.19	\$ (272,885.86)	(3.33)	\$ (85,333.18)	\$ (25,903.25)	(1.04)	\$ 3,622,622.14
36							
37							
GRAND TOTAL	2.39	\$ (982,940.43)	(3.33)	\$ (307,371.87)	\$ (93,304.05)	(1.04)	\$ 14,333,080.64

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**March 2013**

1

	REVENUE MILLS/KWH	MRSM \$	MRSM MILLS/KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/KWH
2 MARCH 2013					
3					
4 JP RURALS	49.68	\$ (406,071.89)	(7.00)	\$ 2,549,985.87	43.97
5 KENERGY RURALS	50.09	\$ (761,020.31)	(7.02)	\$ 4,803,759.97	44.31
6 MEADE CO. RURALS	51.18	\$ (331,587.19)	(7.07)	\$ 2,122,384.06	45.26
7					
8 TOTAL RURALS	50.21	\$ (1,498,679.39)	(7.03)	\$ 9,476,129.90	44.43
9					
10 KI-ACCURIDE	52.38	\$ (14,316.38)	(7.13)	\$ 90,935.15	45.27
11 KI-ALCOA	58.57	\$ (653.74)	(6.74)	\$ 5,030.54	51.85
12 KI-ALERIS	44.41	\$ (108,812.98)	(6.76)	\$ 606,334.09	37.66
13 KI-AMG ALUMINUM NORTH AMERICA	55.08	\$ (5,652.87)	(7.25)	\$ 37,292.60	47.84
14 KI-ARMSTRONG - DOCK	51.53	\$ (30,940.53)	(7.01)	\$ 196,413.02	44.53
15 KI-ARMSTRONG - EQUALITY	48.44	\$ (10,617.96)	(6.84)	\$ 64,607.21	41.61
16 KI-ARMSTRONG - LEWIS	59.38	\$ (3,503.89)	(7.25)	\$ 25,197.45	52.14
17 KI-ARMSTRONG - MIDWAY	45.42	\$ (18,334.44)	(6.80)	\$ 104,061.01	38.62
18 KI-DOMTAR PAPER CO.	39.61	\$ (72,845.63)	(6.54)	\$ 368,693.16	33.08
19 KI-DOTIKI #3	53.70	\$ (257.30)	(7.19)	\$ 1,669.38	46.63
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	137.35	\$ (810.76)	(11.05)	\$ 9,264.18	126.30
21 KI-HOPKINS CO. COAL	50.57	\$ (1,250.98)	(7.04)	\$ 7,733.42	43.54
22 KI-KIMBERLY-CLARK	40.48	\$ (175,594.97)	(6.58)	\$ 905,531.79	33.92
23 KI-PATRIOT COAL, LP	-	\$ -	0.00	\$ -	0.00
24 KI-PRECOAT	54.77	\$ (9,564.28)	(7.22)	\$ 62,978.39	47.56
25 KI-SEBREE MINING-KMMC	53.66	\$ (542.52)	(7.19)	\$ 3,509.42	46.48
26 KI-SEBREE MINING-STEAMPORT-ALLIED	52.93	\$ (22,013.31)	(7.15)	\$ 140,926.07	45.78
27 KI-SOUTHWIRE CO.	43.11	\$ (27,140.23)	(6.70)	\$ 147,591.00	36.43
28 KI-TYSON FOODS	45.21	\$ (38,383.42)	(6.80)	\$ 217,054.45	38.43
29 KI-VALLEY GRAIN	50.95	\$ (7,485.71)	(6.92)	\$ 47,653.51	44.04
30					
31 SUBTOTAL INDUSTRIALS	44.04	\$ (548,721.90)	(6.73)	\$ 3,042,475.84	37.32
32					
33 JPI-SHELL OIL	71.38	\$ (3,616.52)	(8.00)	\$ 28,637.09	63.38
34					
35 TOTAL INDUSTRIALS	44.19	\$ (552,338.42)	(6.74)	\$ 3,071,112.93	37.47
36					
37					
GRAND TOTAL	48.54	\$ (2,051,017.81)	(6.95)	\$ 12,547,242.83	42.49

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**April 2013**

1

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
2 APRIL 2013							
3							
4 JP RURALS	89,569	44,393,670	\$ 868,550.59	\$ 1,320,090.17	\$ 2,188,640.76		\$ -
5 KENERGY RURALS	164,961	79,782,016	\$ 1,599,626.82	\$ 2,372,398.03	\$ 3,972,024.85		\$ -
6 MEADE CO. RURALS	78,927	31,360,329	\$ 765,355.12	\$ 932,530.74	\$ 1,697,885.86		\$ -
7							
8 TOTAL RURALS	333,457	155,536,015	\$ 3,233,532.53	\$ 4,625,018.94	\$ 7,858,551.47	\$ -	\$ -
9							
10 KI-ACCURIDE	5,216	2,218,670	\$ 54,768.00	\$ 54,375.16	\$ 109,143.16	\$ -	\$ -
11 KI-ALCOA	176	87,150	\$ 1,848.00	\$ 2,135.87	\$ 3,983.87	\$ 2,310.00	\$ -
12 KI-ALERIS	27,537	13,736,690	\$ 289,138.50	\$ 336,658.80	\$ 625,797.30	\$ -	\$ -
13 KI-AMG ALUMINUM NORTH AMERICA	2,032	647,150	\$ 21,336.00	\$ 15,860.35	\$ 37,196.35	\$ -	\$ -
14 KI-ARMSTRONG - DOCK	9,639	3,887,410	\$ 101,209.50	\$ 95,272.64	\$ 196,482.14	\$ -	\$ 8,600.14
15 KI-ARMSTRONG - EQUALITY	3,251	1,507,800	\$ 34,135.50	\$ 36,953.16	\$ 71,088.66	\$ -	\$ 3,599.88
16 KI-ARMSTRONG - LEWIS	1,481	599,210	\$ 15,550.50	\$ 14,685.44	\$ 30,235.94	\$ -	\$ 757.83
17 KI-ARMSTRONG - MIDWAY	5,002	2,513,500	\$ 52,521.00	\$ 61,600.86	\$ 114,121.86	\$ -	\$ -
18 KI-DOMTAR PAPER CO.	15,000	10,800,000	\$ 157,500.00	\$ 264,686.40	\$ 422,186.40	\$ -	\$ -
19 KI-DOTIKI #3	181	83,200	\$ 1,900.50	\$ 2,039.07	\$ 3,939.57	\$ 136.50	\$ -
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	173,670	\$ 7,875.00	\$ 4,256.30	\$ 12,131.30	\$ 619.50	\$ -
21 KI-HOPKINS CO. COAL	416	171,440	\$ 4,368.00	\$ 4,201.65	\$ 8,569.65	\$ -	\$ -
22 KI-KIMBERLY-CLARK	38,059	25,356,830	\$ 399,619.50	\$ 621,445.19	\$ 1,021,064.69	\$ -	\$ -
23 KI-PATRIOT COAL, LP	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
24 KI-PRECOAT	3,561	1,489,250	\$ 37,390.50	\$ 36,498.54	\$ 73,889.04	\$ 850.50	\$ -
25 KI-SEBREE MINING-KMMC	180	45,630	\$ 1,890.00	\$ 1,118.30	\$ 3,008.30	\$ -	\$ -
26 KI-SEBREE MINING-STEAMPORT-ALLIED	7,984	3,153,100	\$ 83,832.00	\$ 77,276.17	\$ 161,108.17	\$ -	\$ -
27 KI-SOUTHWIRE CO.	7,046	4,119,850	\$ 73,983.00	\$ 100,969.28	\$ 174,952.28	\$ -	\$ -
28 KI-TYSON FOODS	10,763	5,936,530	\$ 113,011.50	\$ 145,492.48	\$ 258,503.98	\$ -	\$ -
29 KI-VALLEY GRAIN	2,101	1,001,460	\$ 22,060.50	\$ 24,543.78	\$ 46,604.28	\$ 3,076.50	\$ -
30							
31 SUBTOTAL INDUSTRIALS	140,375	77,528,540	\$ 1,473,937.50	\$ 1,900,069.44	\$ 3,374,006.94	\$ 6,993.00	\$ 12,957.85
32							
33 JPI-SHELL OIL	1,901	442,010	\$ 19,960.50	\$ 10,832.78	\$ 30,793.28	\$ -	\$ -
34							
35 TOTAL INDUSTRIALS	142,276	77,970,550	\$ 1,493,898.00	\$ 1,910,902.22	\$ 3,404,800.22	\$ 6,993.00	\$ 12,957.85
36							
37							
GRAND TOTAL	475,733	233,506,565	\$ 4,727,430.53	\$ 6,535,921.16	\$ 11,263,351.69	\$ 6,993.00	\$ 12,957.85

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**April 2013**

1

	PSC BILLING ADJ	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FAC \$	FUEL MILLS/KWH	ES \$
2 APRIL 2013							
3							
4 JP RURALS	74,927.61	\$ 2,188,640.76	\$ 12.63	\$ 2,188,653.39	\$ 143,347.16	3.23	\$ 118,373.04
5 KENERGY RURALS	135,472.60	\$ 3,972,024.85	\$ -	\$ 3,972,024.85	\$ 257,616.13	3.23	\$ 214,751.10
6 MEADE CO. RURALS	53,950.58	\$ 1,697,885.86	\$ -	\$ 1,697,885.86	\$ 101,262.50	3.23	\$ 91,530.13
7							
8 TOTAL RURALS	\$ 264,350.79	\$ 7,858,551.47	\$ 12.63	\$ 7,858,564.10	\$ 502,225.79	3.23	\$ 424,654.27
9							
10 KI-ACCURIDE	21.47	\$ 109,143.16		\$ 109,143.16	\$ 7,164.09	3.23	\$ 5,903.50
11 KI-ALCOA	0.89	\$ 6,293.87		\$ 6,293.87	\$ 281.41	3.23	\$ 216.09
12 KI-ALERIS	142.97	\$ 625,797.30		\$ 625,797.30	\$ 44,355.77	3.23	\$ 33,948.12
13 KI-AMG ALUMINUM NORTH AMERICA	5.82	\$ 37,196.35		\$ 37,196.35	\$ 2,089.65	3.23	\$ 2,001.30
14 KI-ARMSTRONG - DOCK	28.48	\$ 205,082.28		\$ 205,082.28	\$ 12,552.45	3.23	\$ 10,617.22
15 KI-ARMSTRONG - EQUALITY	13.86	\$ 74,688.54		\$ 74,688.54	\$ 4,868.69	3.23	\$ 3,851.27
16 KI-ARMSTRONG - LEWIS	2.98	\$ 30,993.77		\$ 30,993.77	\$ 1,934.85	3.23	\$ 1,633.94
17 KI-ARMSTRONG - MIDWAY	18.41	\$ 114,121.86		\$ 114,121.86	\$ 8,116.09	3.23	\$ 6,191.68
18 KI-DOMTAR PAPER CO.	118.01	\$ 422,186.40		\$ 422,186.40	\$ 34,873.20	3.23	\$ 23,052.19
19 KI-DOTIKI #3	4.36	\$ 4,076.07		\$ 4,076.07	\$ 268.65	3.23	\$ 213.39
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	0.00	\$ 12,750.80		\$ 12,750.80	\$ 560.78	3.23	\$ 649.06
21 KI-HOPKINS CO. COAL	1.48	\$ 8,569.65		\$ 8,569.65	\$ 553.58	3.23	\$ 463.26
22 KI-KIMBERLY-CLARK	244.78	\$ 1,021,064.69		\$ 1,021,064.69	\$ 81,877.20	3.23	\$ 55,677.65
23 KI-PATRIOT COAL, LP	0.00	\$ -		\$ -	\$ -	0.00	\$ -
24 KI-PRECOAT	13.48	\$ 74,739.54		\$ 74,739.54	\$ 4,808.79	3.23	\$ 3,995.38
25 KI-SEBREE MINING-KMMC	0.54	\$ 3,008.30		\$ 3,008.30	\$ 147.34	3.23	\$ 161.20
26 KI-SEBREE MINING-STEAMPORT-ALLIED	27.50	\$ 161,108.17		\$ 161,108.17	\$ 10,181.36	3.23	\$ 8,702.37
27 KI-SOUTHWIRE CO.	40.83	\$ 174,952.28		\$ 174,952.28	\$ 13,303.00	3.23	\$ 9,518.04
28 KI-TYSON FOODS	55.66	\$ 258,503.98		\$ 258,503.98	\$ 19,169.06	3.23	\$ 14,048.84
29 KI-VALLEY GRAIN	9.84	\$ 49,680.78		\$ 49,680.78	\$ 3,233.71	3.23	\$ 2,526.08
30							
31 SUBTOTAL INDUSTRIALS	\$ 751.36	\$ 3,393,957.79	\$ -	\$ 3,393,957.79	\$ 250,339.67	3.23	\$ 183,370.58
32							
33 JPI-SHELL OIL	\$ 4.08	\$ 30,793.28		\$ 30,793.28	\$ 1,427.25	3.23	\$ 1,647.65
34							
35 TOTAL INDUSTRIALS	\$ 755.44	\$ 3,424,751.07	\$ -	\$ 3,424,751.07	\$ 251,766.92	3.23	\$ 185,018.23
36							
37							
GRAND TOTAL	\$ 265,106.23	\$ 11,283,302.54	\$ 12.63	\$ 11,283,315.17	\$ 753,992.71	3.23	\$ 609,672.50

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**April 2013**

1

	ES MILLS/KWH	US \$	US MILLS/KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/KWH	REVENUE \$
2 APRIL 2013							
3							
4 JP RURALS	2.67	\$ (147,786.53)	(3.33)	\$ (46,213.81)	\$ (14,028.40)	(1.04)	\$ 2,242,344.85
5 KENERGY RURALS	2.69	\$ (265,594.33)	(3.33)	\$ (83,053.08)	\$ (25,211.12)	(1.04)	\$ 4,070,533.55
6 MEADE CO. RURALS	2.92	\$ (104,398.54)	(3.33)	\$ (32,646.10)	\$ (9,909.86)	(1.04)	\$ 1,743,723.99
7							
8 TOTAL RURALS	2.73	\$ (517,779.40)	(3.33)	\$ (161,912.99)	\$ (49,149.38)	(1.04)	\$ 8,056,602.39
9							
10 KI-ACCURIDE	2.66	\$ (7,385.95)	(3.33)	\$ (2,309.64)	\$ (701.10)	(1.04)	\$ 111,814.06
11 KI-ALCOA	2.48	\$ (290.12)	(3.33)	\$ (90.72)	\$ (27.54)	(1.04)	\$ 6,382.99
12 KI-ALERIS	2.47	\$ (45,729.44)	(3.33)	\$ (14,299.89)	\$ (4,340.79)	(1.04)	\$ 639,731.07
13 KI-AMG ALUMINUM NORTH AMERICA	3.09	\$ (2,154.36)	(3.33)	\$ (673.68)	\$ (204.50)	(1.04)	\$ 38,254.76
14 KI-ARMSTRONG - DOCK	2.73	\$ (12,941.19)	(3.33)	\$ (4,046.79)	\$ (1,228.42)	(1.04)	\$ 210,035.55
15 KI-ARMSTRONG - EQUALITY	2.55	\$ (5,019.47)	(3.33)	\$ (1,569.62)	\$ (476.46)	(1.04)	\$ 76,342.95
16 KI-ARMSTRONG - LEWIS	2.73	\$ (1,994.77)	(3.33)	\$ (623.78)	\$ (189.35)	(1.04)	\$ 31,754.66
17 KI-ARMSTRONG - MIDWAY	2.46	\$ (8,367.44)	(3.33)	\$ (2,616.55)	\$ (794.27)	(1.04)	\$ 116,651.37
18 KI-DOMTAR PAPER CO.	2.13	\$ (35,953.20)	(3.33)	\$ (11,242.80)	\$ (3,412.80)	(1.04)	\$ 429,502.99
19 KI-DOTIKI #3	2.56	\$ (276.97)	(3.33)	\$ (86.61)	\$ (26.29)	(1.04)	\$ 4,168.24
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	3.74	\$ (578.15)	(3.33)	\$ (180.79)	\$ (54.88)	(1.04)	\$ 13,146.82
21 KI-HOPKINS CO. COAL	2.70	\$ (570.72)	(3.33)	\$ (178.47)	\$ (54.18)	(1.04)	\$ 8,783.12
22 KI-KIMBERLY-CLARK	2.20	\$ (84,412.89)	(3.33)	\$ (26,396.46)	\$ (8,012.76)	(1.04)	\$ 1,039,797.43
23 KI-PATRIOT COAL, LP	0.00	\$ -	0.00	\$ -	\$ -	0.00	\$ -
24 KI-PRECOAT	2.68	\$ (4,957.71)	(3.33)	\$ (1,550.31)	\$ (470.60)	(1.04)	\$ 76,565.09
25 KI-SEBREE MINING-KMMC	3.53	\$ (151.90)	(3.33)	\$ (47.50)	\$ (14.42)	(1.04)	\$ 3,103.02
26 KI-SEBREE MINING-STEAMPORT-ALLIED	2.76	\$ (10,496.67)	(3.33)	\$ (3,282.38)	\$ (996.38)	(1.04)	\$ 165,216.47
27 KI-SOUTHWIRE CO.	2.31	\$ (13,714.98)	(3.33)	\$ (4,288.76)	\$ (1,301.87)	(1.04)	\$ 178,467.71
28 KI-TYSON FOODS	2.37	\$ (19,762.71)	(3.33)	\$ (6,179.93)	\$ (1,875.94)	(1.04)	\$ 263,903.30
29 KI-VALLEY GRAIN	2.52	\$ (3,333.86)	(3.33)	\$ (1,042.52)	\$ (316.46)	(1.04)	\$ 50,747.73
30							
31 SUBTOTAL INDUSTRIALS	2.37	\$ (258,092.50)	(3.33)	\$ (80,707.20)	\$ (24,499.01)	(1.04)	\$ 3,464,369.33
32							
33 JPI-SHELL OIL	3.73	\$ (1,471.45)	(3.33)	\$ (460.13)	\$ (139.68)	(1.04)	\$ 31,796.92
34							
35 TOTAL INDUSTRIALS	2.37	\$ (259,563.95)	(3.33)	\$ (81,167.33)	\$ (24,638.69)	(1.04)	\$ 3,496,166.25
36							
37							
GRAND TOTAL	2.61	\$ (777,343.35)	(3.33)	\$ (243,080.32)	\$ (73,788.07)	(1.04)	\$ 11,552,768.64



**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Electric Utility Sales**  
**April 2013**

1

	REVENUE MILLS/KWH	MRSM \$	MRSM MILLS/KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/KWH
2 APRIL 2013					
3					
4 JP RURALS	50.51	\$ (300,919.81)	(6.78)	\$ 2,016,352.65	45.42
5 KENERGY RURALS	51.02	\$ (542,814.75)	(6.80)	\$ 3,663,191.40	45.92
6 MEADE CO. RURALS	55.60	\$ (220,483.80)	(7.03)	\$ 1,577,190.77	50.29
7					
8 TOTAL RURALS	51.80	\$ (1,064,218.36)	(6.84)	\$ 7,256,734.82	46.66
9					
10 KI-ACCURIDE	50.40	\$ (15,026.68)	(6.77)	\$ 96,808.85	43.63
11 KI-ALCOA	73.24	\$ (574.46)	(6.59)	\$ 5,809.42	66.66
12 KI-ALERIS	46.57	\$ (90,433.39)	(6.58)	\$ 549,440.65	40.00
13 KI-AMG ALUMINUM NORTH AMERICA	59.11	\$ (4,662.39)	(7.20)	\$ 33,598.19	51.92
14 KI-ARMSTRONG - DOCK	54.03	\$ (26,602.25)	(6.84)	\$ 183,461.78	47.19
15 KI-ARMSTRONG - EQUALITY	50.63	\$ (10,051.34)	(6.67)	\$ 66,305.47	43.97
16 KI-ARMSTRONG - LEWIS	52.99	\$ (4,097.89)	(6.84)	\$ 27,659.75	46.16
17 KI-ARMSTRONG - MIDWAY	46.41	\$ (16,527.19)	(6.58)	\$ 100,142.59	39.84
18 KI-DOMTAR PAPER CO.	39.77	\$ (67,461.79)	(6.25)	\$ 362,159.21	33.53
19 KI-DOTIKI #3	50.10	\$ (555.51)	(6.68)	\$ 3,617.09	43.47
20 KI-ELK CREEK MINE - HOPKINS CO. COAL	75.70	\$ (1,363.19)	(7.85)	\$ 11,783.63	67.85
21 KI-HOPKINS CO. COAL	51.23	\$ (1,168.23)	(6.81)	\$ 7,616.37	44.43
22 KI-KIMBERLY-CLARK	41.01	\$ (159,944.93)	(6.31)	\$ 880,097.28	34.71
23 KI-PATRIOT COAL, LP	-	\$ -	0.00	\$ -	0.00
24 KI-PRECOAT	51.41	\$ (10,119.18)	(6.79)	\$ 66,459.39	44.63
25 KI-SEBREE MINING-KMMC	68.00	\$ (348.83)	(7.64)	\$ 2,754.73	60.37
26 KI-SEBREE MINING-STEAMPORT-ALLIED	52.40	\$ (21,667.92)	(6.87)	\$ 143,576.05	45.53
27 KI-SOUTHWIRE CO.	43.32	\$ (26,458.87)	(6.42)	\$ 152,049.67	36.91
28 KI-TYSON FOODS	44.45	\$ (38,459.85)	(6.48)	\$ 225,499.11	37.99
29 KI-VALLEY GRAIN	50.67	\$ (6,644.08)	(6.63)	\$ 44,113.49	44.05
30					
31 SUBTOTAL INDUSTRIALS	44.69	\$ (502,167.97)	(6.48)	\$ 2,962,952.72	38.22
32					
33 JPI-SHELL OIL	71.94	\$ (3,465.20)	(7.84)	\$ 28,335.80	64.11
34					
35 TOTAL INDUSTRIALS	44.84	\$ (505,633.17)	(6.48)	\$ 2,991,288.52	38.36
36					
37					
GRAND TOTAL	49.48	\$ (1,569,851.53)	(6.72)	\$ 10,248,023.34	43.89

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
November 2012**

1						
2		PLUS				
3	BASE MONTHLY ENERGY -	SUPPLEMENTAL	PLUS BACK UP			REV \$
		ENERGY	ENERGY	LESS SALES	TOTAL KWH	MILLS/KWH
4	CENTURY ALUMINUM (Special Contract)	347,128,618	-	2,186,582	-	349,315,200
5	ALCAN RIO TINTO (Special Contract)	261,744,871	-	769,110	-	262,513,981
6		<u>608,873,489</u>	-	<u>2,955,692</u>	-	<u>611,829,181</u>
7						
8	BASE FIXED ENERGY					
9	CENTURY ALUMINUM (Special Contract)	340,571,560				
10	ALCAN RIO TINTO (Special Contract)	260,021,440				
11		<u>600,593,000</u>				
12						
13						
14						
15	BASE VARIABLE ENERGY					
16	CENTURY ALUMINUM (Special Contract)	6,557,058				
17	ALCAN RIO TINTO (Special Contract)	1,723,431				
18		<u>8,280,489</u>				
19						
20						
21						
22						
			TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	ADJ
23	CENTURY ALUMINUM (Special Contract)		\$ 1,020,014.18	\$ -	86,255.46	\$ -
24	ALCAN RIO TINTO (Special Contract)		\$ 778,766.02	\$ -	35,090.35	\$ -
25			<u>\$ 1,798,780.20</u>	<u>\$ -</u>	<u>\$ 121,345.81</u>	<u>\$ -</u>
26	CENTURY ALUMINUM (Special Contract)					
27	ALCAN RIO TINTO (Special Contract)					
28	TOTAL CENTURY/ALCAN RIO TINTO					
29						
30	BALANCE AS SHOWN ON OPERATING REPORT					

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Smelters  
 November 2012**

1								
2								
3	BASE MONTHLY ENERGY -	FAC		ES		NONFAC PPA		
		AMT	MILLS	AMT	MILLS	AMT	MILLS	SURCHARGE
4	CENTURY ALUMINUM (Special Contract)	\$ 1,244,108.97	3.58	\$ 734,061.40	2.11	\$ 191,962.13	0.55	\$ 640,233.87
5	ALCAN RIO TINTO (Special Contract)	\$ 938,093.62	3.58	\$ 553,503.22	2.11	\$ 144,744.91	0.55	\$ 488,810.73
6		<u>\$ 2,182,202.59</u>		<u>\$ 1,287,564.62</u>		<u>\$ 336,707.04</u>		<u>\$ 1,129,044.60</u>
7								
8	BASE FIXED ENERGY							
9	CENTURY ALUMINUM (Special Contract)							
10	ALCAN RIO TINTO (Special Contract)							
11								
12								
13								
14								
15	BASE VARIABLE ENERGY							
16	CENTURY ALUMINUM (Special Contract)							
17	ALCAN RIO TINTO (Special Contract)							
18								
19								
20								
21								
22								
23	CENTURY ALUMINUM (Special Contract)							
24	ALCAN RIO TINTO (Special Contract)							
25								
26	CENTURY ALUMINUM (Special Contract)							
27	ALCAN RIO TINTO (Special Contract)							
28	TOTAL CENTURY/ALCAN RIO TINTO							
29								
30	BALANCE AS SHOWN ON OPERATING REPORT							



**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
December 2012**

	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH
1						
2						
3	BASE MONTHLY ENERGY -					
4	CENTURY ALUMINUM (Special Contract)	357,448,480	-	1,566,560	359,015,040	45.40
5	ALCAN RIO TINTO (Special Contract)	272,708,893	-	2,623,542	275,332,435	45.38
6		<u>630,157,373</u>	-	<u>4,190,102</u>	<u>634,347,475</u>	
7						
8	BASE FIXED ENERGY					
9	CENTURY ALUMINUM (Special Contract)	351,435,840				
10	ALCAN RIO TINTO (Special Contract)	<u>268,316,160</u>				
11		<u>619,752,000</u>				
12						
13						
14						
15	BASE VARIABLE ENERGY					
16	CENTURY ALUMINUM (Special Contract)	6,012,640				
17	ALCAN RIO TINTO (Special Contract)	<u>4,392,733</u>				
18		<u>10,405,373</u>				
19						
20						
21						
22						
			TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	ADJ
23	CENTURY ALUMINUM (Special Contract)		193,453.16	\$ -	55,691.51	\$ -
24	ALCAN RIO TINTO (Special Contract)		147,698.59	\$ -	98,669.31	\$ -
25			<u>\$ 341,151.75</u>	<u>\$ -</u>	<u>\$ 154,360.82</u>	<u>\$ -</u>
26	CENTURY ALUMINUM (Special Contract)					
27	ALCAN RIO TINTO (Special Contract)					
28	TOTAL CENTURY/ALCAN RIO TINTO					
29						
30	BALANCE AS SHOWN ON OPERATING REPORT					

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Smelters  
 December 2012**

	FAC		ES		NONFAC PPA		
	AMT	MILLS	AMT	MILLS	AMT	MILLS	SURCHARGE
1							
2							
3	BASE MONTHLY ENERGY -						
4	\$ 853,944.42	2.39	\$ 772,476.86	2.16	\$ (205,175.43)	(0.57)	\$ 653,271.01
5	\$ 651,501.54	2.39	\$ 589,347.33	2.16	\$ (156,534.90)	(0.57)	\$ 498,764.39
6	<u>\$ 1,505,445.96</u>		<u>\$ 1,361,824.19</u>		<u>\$ (361,710.33)</u>		<u>\$ 1,152,035.40</u>
7							
8	BASE FIXED ENERGY						
9	CENTURY ALUMINUM (Special Contract)						
10	ALCAN RIO TINTO (Special Contract)						
11							
12							
13							
14							
15	BASE VARIABLE ENERGY						
16	CENTURY ALUMINUM (Special Contract)						
17	ALCAN RIO TINTO (Special Contract)						
18							
19							
20							
21							
22							
23	CENTURY ALUMINUM (Special Contract)						
24	ALCAN RIO TINTO (Special Contract)						
25							
26	CENTURY ALUMINUM (Special Contract)						
27	ALCAN RIO TINTO (Special Contract)						
28	TOTAL CENTURY/ALCAN RIO TINTO						
29							
	BALANCE AS SHOWN ON OPERATING						
30	REPORT						



**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
January 2013**

	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH	
1							
2							
3	BASE MONTHLY ENERGY -						
4	CENTURY ALUMINUM (Special Contract)	356,317,680	-	422,333	-	356,740,013	48.36
5	ALCAN RIO TINTO (Special Contract)	271,681,357	-	1,775,248	-	273,456,605	48.35
6		<u>627,999,037</u>	-	<u>2,197,581</u>	-	<u>630,196,618</u>	
7							
8	BASE FIXED ENERGY						
9	CENTURY ALUMINUM (Special Contract)	351,435,840					
10	ALCAN RIO TINTO (Special Contract)	<u>268,316,160</u>					
11		<u>619,752,000</u>					
12							
13							
14							
15	BASE VARIABLE ENERGY						
16	CENTURY ALUMINUM (Special Contract)	4,881,840					
17	ALCAN RIO TINTO (Special Contract)	<u>3,365,197</u>					
18		<u>8,247,037</u>					
19							
20							
21							
22							
23	CENTURY ALUMINUM (Special Contract)			TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	ADJ
24	ALCAN RIO TINTO (Special Contract)			1,014,770.99	0.00	15,346.73	\$ -
25				776,638.24	0.00	68,036.89	\$ -
26	CENTURY ALUMINUM (Special Contract)			<u>\$ 1,791,409.23</u>	<u>\$ -</u>	<u>\$ 83,383.62</u>	<u>\$ -</u>
27	ALCAN RIO TINTO (Special Contract)						
28	TOTAL CENTURY/ALCAN RIO TINTO						
29							

BALANCE AS SHOWN ON OPERATING  
30 REPORT



**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Smelters  
 January 2013**

	FAC		ES		NONFAC PPA		
	AMT	MILLS	AMT	MILLS	AMT	MILLS	SURCHARGE
1							
2							
3	BASE MONTHLY ENERGY -						
4	\$ 886,162.07	2.49	\$ 795,787.71	2.23	\$ (78,033.57)	(0.22)	\$ 653,271.01
5	\$ 675,671.53	2.49	\$ 606,763.84	2.23	\$ (59,498.22)	(0.22)	\$ 498,764.39
6	<u>\$ 1,561,833.60</u>		<u>\$ 1,402,551.55</u>		<u>\$ (137,531.79)</u>		<u>\$ 1,152,035.40</u>
7							
8	BASE FIXED ENERGY						
9	CENTURY ALUMINUM (Special Contract)						
10	ALCAN RIO TINTO (Special Contract)						
11							
12							
13							
14							
15	BASE VARIABLE ENERGY						
16	CENTURY ALUMINUM (Special Contract)						
17	ALCAN RIO TINTO (Special Contract)						
18							
19							
20							
21							
22							
23	CENTURY ALUMINUM (Special Contract)						
24	ALCAN RIO TINTO (Special Contract)						
25							
26	CENTURY ALUMINUM (Special Contract)						
27	ALCAN RIO TINTO (Special Contract)						
28	TOTAL CENTURY/ALCAN RIO TINTO						
29							
	BALANCE AS SHOWN ON OPERATING						
30	REPORT						

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Smelters  
 January 2013**

1		
2		TOTAL FAC,ES,
3	BASE MONTHLY ENERGY -	NONFAC PPA, SURCHARGE
		<hr/>
4	CENTURY ALUMINUM (Special Contract)	\$ 2,257,187.22
5	ALCAN RIO TINTO (Special Contract)	\$ 1,721,701.54
6		<hr/>
		\$ 3,978,888.76
7		
8	BASE FIXED ENERGY	
9	CENTURY ALUMINUM (Special Contract)	\$ 13,858,872.35
10	ALCAN RIO TINTO (Special Contract)	\$ 10,581,047.77
11		
12		
13		
14		
15	BASE VARIABLE ENERGY	
16	CENTURY ALUMINUM (Special Contract)	\$ 106,453.40
17	ALCAN RIO TINTO (Special Contract)	\$ 73,381.48
18		
19		
20		
21		
22		
23	CENTURY ALUMINUM (Special Contract)	\$ 1,030,117.72
24	ALCAN RIO TINTO (Special Contract)	\$ 844,675.13
25		
26	CENTURY ALUMINUM (Special Contract)	\$ 17,252,630.69
27	ALCAN RIO TINTO (Special Contract)	\$ 13,220,805.92
28	TOTAL CENTURY/ALCAN RIO TINTO	\$ 30,473,436.61
29		
		<hr/>
	BALANCE AS SHOWN ON OPERATING	\$ 30,473,436.61
30	REPORT	
		<hr/> <hr/>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
February 2013**

1							
2							
3	BASE MONTHLY ENERGY -	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH
4	CENTURY ALUMINUM (Special Contract)	322,012,371	-	234,458	-	322,246,829	49.44
5	ALCAN RIO TINTO (Special Contract)	246,261,912	-	2,171,914	-	248,433,826	49.31
6		<u>568,274,283</u>	-	<u>2,406,372</u>	-	<u>570,680,655</u>	
7							
8	BASE FIXED ENERGY						
9	CENTURY ALUMINUM (Special Contract)	317,425,920					
10	ALCAN RIO TINTO (Special Contract)	<u>242,350,080</u>					
11		<u>559,776,000</u>					
12							
13							
14							
15	BASE VARIABLE ENERGY						
16	CENTURY ALUMINUM (Special Contract)	4,586,451					
17	ALCAN RIO TINTO (Special Contract)	<u>3,911,832</u>					
18		<u>8,498,283</u>					
19							
20							
21							
22							
23	CENTURY ALUMINUM (Special Contract)			TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	ADJ
24	ALCAN RIO TINTO (Special Contract)			1,014,770.99	0.00	8,903.20 \$	-
25				776,638.24	0.00	80,069.15 \$	-
26	CENTURY ALUMINUM (Special Contract)			<u>\$ 1,791,409.23</u>	\$ -	<u>\$ 88,972.35</u>	<u>-</u>
27	ALCAN RIO TINTO (Special Contract)						
28	TOTAL CENTURY/ALCAN RIO TINTO						
29							
30	ADJ FOR CASE NO. 2011-00036 - CENTURY						
31	ADJ FOR CASE NO. 2011-00036 - ALCAN						
32							
33	BALANCE AS SHOWN ON OPERATING REPORT						

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Smelters  
 February 2013**

1								
2								
3	BASE MONTHLY ENERGY -							
		<u>FAC</u>		<u>ES</u>		<u>NONFAC PPA</u>		
		AMT	MILLS	AMT	MILLS	AMT	MILLS	<u>SURCHARGE</u>
4	CENTURY ALUMINUM (Special Contract)	\$ 1,121,569.09	3.48	\$ 735,058.72	2.28	\$ (177,106.80)	(0.55)	\$ 612,459.10
5	ALCAN RIO TINTO (Special Contract)	\$ 857,730.24	3.48	\$ 562,142.89	2.28	\$ (135,444.05)	(0.55)	\$ 467,605.10
6		<u>\$ 1,979,299.33</u>		<u>\$ 1,297,201.61</u>		<u>\$ (312,550.85)</u>		<u>\$ 1,080,064.20</u>
7								
8	BASE FIXED ENERGY							
9	CENTURY ALUMINUM (Special Contract)							
10	ALCAN RIO TINTO (Special Contract)							
11								
12								
13								
14								
15	BASE VARIABLE ENERGY							
16	CENTURY ALUMINUM (Special Contract)							
17	ALCAN RIO TINTO (Special Contract)							
18								
19								
20								
21								
22								
23	CENTURY ALUMINUM (Special Contract)							
24	ALCAN RIO TINTO (Special Contract)							
25								
26	CENTURY ALUMINUM (Special Contract)							
27	ALCAN RIO TINTO (Special Contract)							
28	TOTAL CENTURY/ALCAN RIO TINTO							
29								
30	ADJ FOR CASE NO. 2011-00036 - CENTURY							16,764.90
31	ADJ FOR CASE NO. 2011-00036 - ALCAN							12,798.78
32								
33	BALANCE AS SHOWN ON OPERATING REPORT							

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
February 2013**

1		TOTAL FAC,ES,
2		NONFAC PPA,
3	BASE MONTHLY ENERGY -	<u>SURCHARGE</u>
4	CENTURY ALUMINUM (Special Contract)	\$ 2,291,980.11
5	ALCAN RIO TINTO (Special Contract)	\$ 1,752,034.18
6		<u>\$ 4,044,014.29</u>
7		
8	BASE FIXED ENERGY	
9	CENTURY ALUMINUM (Special Contract)	\$ 12,517,691.16
10	ALCAN RIO TINTO (Special Contract)	\$ 9,557,075.40
11		
12		
13		
14		
15	BASE VARIABLE ENERGY	
16	CENTURY ALUMINUM (Special Contract)	\$ 100,012.15
17	ALCAN RIO TINTO (Special Contract)	\$ 85,301.41
18		
19		
20		
21		
22		
23	CENTURY ALUMINUM (Special Contract)	\$ 1,023,674.19
24	ALCAN RIO TINTO (Special Contract)	\$ 856,707.39
25		
26	CENTURY ALUMINUM (Special Contract)	\$ 15,933,357.61
27	ALCAN RIO TINTO (Special Contract)	\$ <u>12,251,118.38</u>
28	TOTAL CENTURY/ALCAN RIO TINTO	\$ 28,184,475.99
29		
30	ADJ FOR CASE NO. 2011-00036 - CENTURY	15,950,122.51
31	ADJ FOR CASE NO. 2011-00036 - ALCAN	12,263,917.16
32		
	BALANCE AS SHOWN ON OPERATING	\$ 28,214,039.67
33	REPORT	<u><u></u></u>



**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
March 2013**

	FAC		ES		NONFAC PPA		SURCHARGE
	AMT	MILLS	AMT	MILLS	AMT	MILLS	
1							
2							
3	BASE MONTHLY ENERGY -						
4	\$ 1,311,125.71	3.67	\$ 732,337.48	2.05	\$ (199,045.25)	(0.56)	\$ 652,704.18
5	\$ 1,000,700.52	3.67	\$ 558,947.55	2.05	\$ (151,918.83)	(0.56)	\$ 498,331.62
6	<u>\$ 2,311,826.23</u>		<u>\$ 1,291,285.03</u>		<u>\$ (350,964.08)</u>		<u>\$ 1,151,035.80</u>
7							
8	BASE FIXED ENERGY						
9	CENTURY ALUMINUM (Special Contract)						
10	ALCAN RIO TINTO (Special Contract)						
11							
12							
13							
14							
15	BASE VARIABLE ENERGY						
16	CENTURY ALUMINUM (Special Contract)						
17	ALCAN RIO TINTO (Special Contract)						
18							
19							
20							
21							
22							
23	CENTURY ALUMINUM (Special Contract)						
24	ALCAN RIO TINTO (Special Contract)						
25							
26	CENTURY ALUMINUM (Special Contract)						
27	ALCAN RIO TINTO (Special Contract)						
28	TOTAL CENTURY/ALCAN RIO TINTO						
29							
30	ADJ FOR CASE NO. 2011-00036 - CENTURY						(3,352.98)
31	ADJ FOR CASE NO. 2011-00036 - ALCAN						(2,559.76)
32							

33 BALANCE AS SHOWN ON OPERATING  
REPORT

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
March 2013**

	TOTAL FAC,ES, NONFAC PPA, SURCHARGE
1	
2	
3 BASE MONTHLY ENERGY -	
4 CENTURY ALUMINUM (Special Contract)	\$ 2,497,122.12
5 ALCAN RIO TINTO (Special Contract)	\$ 1,906,060.86
6	<u>\$ 4,403,182.98</u>
7	
8 BASE FIXED ENERGY	
9 CENTURY ALUMINUM (Special Contract)	\$ 13,840,244.83
10 ALCAN RIO TINTO (Special Contract)	\$ 10,566,825.93
11	
12	
13	
14	
15 BASE VARIABLE ENERGY	
16 CENTURY ALUMINUM (Special Contract)	\$ 139,315.32
17 ALCAN RIO TINTO (Special Contract)	\$ 104,434.13
18	
19	
20	
21	
22	
23 CENTURY ALUMINUM (Special Contract)	\$ 1,072,127.27
24 ALCAN RIO TINTO (Special Contract)	\$ 994,906.99
25	
26 CENTURY ALUMINUM (Special Contract)	\$ 17,548,809.54
27 ALCAN RIO TINTO (Special Contract)	\$ 13,572,227.91
28 TOTAL CENTURY/ALCAN RIO TINTO	\$ 31,121,037.45
29	
30 ADJ FOR CASE NO. 2011-00036 - CENTURY	17,545,456.56
31 ADJ FOR CASE NO. 2011-00036 - ALCAN	13,569,668.15
32	
BALANCE AS SHOWN ON OPERATING	\$ 31,115,124.71
33 REPORT	



**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Smelters  
 April 2013**

1					
2					
3	BASE MONTHLY ENERGY -	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES
					TOTAL KWH
4	CENTURY ALUMINUM (Special Contract)	345,251,165	-	293,770	-
5	ALCAN RIO TINTO (Special Contract)	263,554,592	1,561,000	2,260,613	-
6		<u>608,805,757</u>	<u>-</u>	<u>2,554,383</u>	<u>-</u>
7					
8	BASE FIXED ENERGY				
9	CENTURY ALUMINUM (Special Contract)	340,099,200			
10	ALCAN RIO TINTO (Special Contract)	259,660,800			
11		<u>599,760,000</u>			
12					
13					
14					
15	BASE VARIABLE ENERGY				
16	CENTURY ALUMINUM (Special Contract)	5,151,965			
17	ALCAN RIO TINTO (Special Contract)	3,893,792			
18		<u>9,045,757</u>			
19					
20					
21					
22					
			TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY
23	CENTURY ALUMINUM (Special Contract)		1,014,770.99	0.00	12,385.66
24	ALCAN RIO TINTO (Special Contract)		776,638.24	0.00	105,614.03
25			<u>\$ 1,791,409.23</u>	<u>\$ -</u>	<u>\$ 117,999.69</u>
26	CENTURY ALUMINUM (Special Contract)				
27	ALCAN RIO TINTO (Special Contract)				
28	TOTAL CENTURY/ALCAN RIO TINTO				
29					
30	ADJ FOR CASE NO. 2011-00036 - CENTURY - ADJ FOR TIER 2012				
31	ADJ FOR CASE NO. 2011-00036 - ALCAN - ADJ FOR TIER 2012				
32					
33	BALANCE AS SHOWN ON OPERATING REPORT				

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
April 2013**

1							
2							
3	BASE MONTHLY ENERGY -	REV \$	FAC	ES	NONFAC		
		MILLS/KWH	AMT	MILLS	AMT	MILLS	AMT
4	CENTURY ALUMINUM (Special Contract)	46.62	\$ 1,114,816.01	3.23	\$ 756,258.50	2.19	\$ (129,814.44)
5	ALCAN RIO TINTO (Special Contract)	46.58	\$ 851,017.78	3.23	\$ 577,305.51	2.19	\$ (99,096.53)
6			<u>\$ 1,965,833.79</u>		<u>\$ 1,333,564.01</u>		<u>\$ (228,910.97)</u>
7							
8	BASE FIXED ENERGY						
9	CENTURY ALUMINUM (Special Contract)						
10	ALCAN RIO TINTO (Special Contract)						
11							
12							
13							
14							
15	BASE VARIABLE ENERGY						
16	CENTURY ALUMINUM (Special Contract)						
17	ALCAN RIO TINTO (Special Contract)						
18							
19							
20							
21							
22		SUPPLEMENTAL	ADJ				
23	CENTURY ALUMINUM (Special Contract)	0.00	\$ (823,080.96)				
24	ALCAN RIO TINTO (Special Contract)	57,213.91	\$ (626,322.76)				
25		<u>\$ 57,213.91</u>	<u>\$ (1,449,403.72)</u>				
26	CENTURY ALUMINUM (Special Contract)						
27	ALCAN RIO TINTO (Special Contract)						
28	TOTAL CENTURY/ALCAN RIO TINTO						
29							
30	ADJ FOR CASE NO. 2011-00036 - CENTURY - ADJ FOR TIER 2012						
31	ADJ FOR CASE NO. 2011-00036 - ALCAN - ADJ FOR TIER 2012						
32							
33	BALANCE AS SHOWN ON OPERATING REPORT						

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Smelters  
April 2013**

	<u>PPA</u>		<u>TOTAL FAC,ES, NONFAC PPA, SURCHARGE</u>
	<u>MILLS</u>	<u>SURCHARGE</u>	<u>SURCHARGE</u>
1			
2			
3 BASE MONTHLY ENERGY -			
4 CENTURY ALUMINUM (Special Contract)	(0.38)	\$ 639,667.04	\$ 2,380,927.11
5 ALCAN RIO TINTO (Special Contract)	(0.38)	\$ 488,377.96	\$ 1,817,604.72
6		<u>\$ 1,128,045.00</u>	<u>\$ 4,198,531.83</u>
7			
8 BASE FIXED ENERGY			
9 CENTURY ALUMINUM (Special Contract)			\$ 13,411,811.95
10 ALCAN RIO TINTO (Special Contract)			\$ 10,239,723.65
11			
12			
13			
14			
15 BASE VARIABLE ENERGY			
16 CENTURY ALUMINUM (Special Contract)			\$ 112,343.74
17 ALCAN RIO TINTO (Special Contract)			\$ 84,908.03
18			
19			
20			
21			
22			
23 CENTURY ALUMINUM (Special Contract)			\$ 204,075.69
24 ALCAN RIO TINTO (Special Contract)			\$ 313,143.42
25			
26 CENTURY ALUMINUM (Special Contract)			\$ 16,109,158.49
27 ALCAN RIO TINTO (Special Contract)			<u>\$ 12,455,379.82</u>
28 TOTAL CENTURY/ALCAN RIO TINTO			\$ 28,564,538.31
29			
30 ADJ FOR CASE NO. 2011-00036 - CENTURY - ADJ FOR TIER 2012	TIER 826,561.07	CASE (3,352.98)	16,932,366.58
31 ADJ FOR CASE NO. 2011-00036 - ALCAN - ADJ FOR TIER 2012	631,067.38	(2,559.76)	13,083,887.44
32			
33 BALANCE AS SHOWN ON OPERATING REPORT			<u>\$ 30,016,254.02</u>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Electric Utilities**  
**November 2012**

1	KWH		AMOUNT	REVENUE \$
2				MILLS/KWH
3 SPECIAL SALES TO RUS BORROWERS:				
4				
5				
6 KENERGY-DOMTAR COGEN	17,653,935	\$	636,646.29	36.06
7 POWERSOUTH ENERGY COOP				
8				
9 TOTAL SPECIAL SALES TO RUS BORROWERS	17,653,935	\$	636,646.29	36.06
10				
11				
12				
13 TO OTHER THAN RUS BORROWERS:				
14				
15 ADM INVESTOR SERVICES				0.00
16 HMPL				0.00
17 MISO	212,413,700	\$	6,224,347.31	29.30
18 PJM		\$	5.58	
19				
20 TOTAL TO OTHER THAN RUS BORROWERS	212,413,700	\$	6,224,352.89	29.30
21				
22				
23 TOTAL SALES FOR RESALE NOVEMBER 2012	230,067,635	\$	6,860,999.18	29.82

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Electric Utilities**  
**December 2012**

1 _____	KWH	AMOUNT	REVENUE \$
2 _____			MILLS/KWH
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5			
6 KENERGY-DOMTAR COGEN	17,687,761	\$ 582,583.13	32.94
7 POWERSOUTH ENERGY COOP			
8			
9 TOTAL SPECIAL SALES TO RUS BORROWERS	17,687,761	\$ 582,583.13	32.94
10			
11			
12			
13 TO OTHER THAN RUS BORROWERS:			
14			
15 ADM INVESTOR SERVICES			0.00
16 HMPL			0.00
17 MISO	192,435,800	\$ 5,193,330.97	26.99
18 PJM		\$ 19,090.61	
19			
20 TOTAL TO OTHER THAN RUS BORROWERS	192,435,800	\$ 5,212,421.58	27.09
21			
22			
23 TOTAL SALES FOR RESALE DECEMBER 2012	210,123,561	\$ 5,795,004.71	27.58

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Electric Utilities**  
**January 2013**

1	KWH	AMOUNT	REVENUE \$
2			MILLS/KWH
3 SPECIAL SALES TO RUS BORROWERS:			
4			
5			
6 KENERGY-DOMTAR COGEN	18,269,428	\$ 566,434.01	31.00
7 POWERSOUTH ENERGY COOP			
8			
9 TOTAL SPECIAL SALES TO RUS BORROWERS	18,269,428	\$ 566,434.01	31.00
10			
11			
12			
13 TO OTHER THAN RUS BORROWERS:			
14			
15 ADM INVESTOR SERVICES			0.00
16 HMPL			0.00
17 MISO	169,789,100	\$ 4,385,980.07	25.83
18 PJM		\$ -	
19			
20 TOTAL TO OTHER THAN RUS BORROWERS	169,789,100	\$ 4,385,980.07	25.83
21			
22			
23 TOTAL SALES FOR RESALE JANUARY 2013	188,058,528	\$ 4,952,414.08	26.33

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Sales to Electric Utilities  
 February 2013**

1	KWH		AMOUNT	REVENUE \$ MILLS/KWH
2				
3	SPECIAL SALES TO RUS BORROWERS:			
4				
5				
6	15,042,354	\$	512,320.59	34.06
7	POWERSOUTH ENERGY COOP			
8				
9	15,042,354	\$	512,320.59	34.06
10	TOTAL SPECIAL SALES TO RUS BORROWERS			
11				
12				
13	TO OTHER THAN RUS BORROWERS:			
14				
15				0.00
16				0.00
17	164,681,700	\$	4,640,224.23	28.18
18		\$	-	
19				
20	164,681,700	\$	4,640,224.23	28.18
21				
22				
23	179,724,054	\$	5,152,544.82	28.67

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Electric Utilities**  
**March 2013**

1	KWH		AMOUNT	REVENUE \$
2				MILLS/KWH
3 SPECIAL SALES TO RUS BORROWERS:				
4				
5				
6 KENERGY-DOMTAR COGEN	17,662,531	\$	742,626.10	42.05
7 POWERSOUTH ENERGY COOP				
8				
9 TOTAL SPECIAL SALES TO RUS BORROWERS	17,662,531	\$	742,626.10	42.05
10				
11				
12				
13 TO OTHER THAN RUS BORROWERS:				
14				
15 ADM INVESTOR SERVICES				0.00
16 HMPL				0.00
17 MISO	125,606,800	\$	4,131,268.85	32.89
18 PJM		\$	-	
19				
20 TOTAL TO OTHER THAN RUS BORROWERS	125,606,800	\$	4,131,268.85	32.89
21				
22				
23 TOTAL SALES FOR RESALE MARCH 2013	143,269,331	\$	4,873,894.95	34.02



**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Sales to Electric Utilities  
 April 2013**

1 _____	KWH		AMOUNT	REVENUE \$ MILLS/KWH
2				
3 SPECIAL SALES TO RUS BORROWERS:				
4				
5				
6 KENERGY-DOMTAR COGEN	17,955,486	\$	762,276.97	42.45
7 POWERSOUTH ENERGY COOP				
8				
9 TOTAL SPECIAL SALES TO RUS BORROWERS	17,955,486	\$	762,276.97	42.45
10				
11				
12				
13 TO OTHER THAN RUS BORROWERS:				
14				
15 ADM INVESTOR SERVICES				0.00
16 HMPL				0.00
17 MISO	155,601,100	\$	5,582,692.48	35.88
18 PJM		\$	(49.11)	
19				
20 TOTAL TO OTHER THAN RUS BORROWERS	155,601,100	\$	5,582,643.37	35.88
21				
22				
23 TOTAL SALES FOR RESALE APRIL 2013	173,556,586	\$	6,344,920.34	36.56



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 7)** *List Big Rivers' scheduled, actual, and forced outages from*  
2 *November 1, 2012 through April 30, 2013.*

3

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

6

7 **Witness)** Lawrence V. Baronowsky

8

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**November 1, 2012 thru April 30, 2013**

Big Rivers Electric Corporation  
**Reid Station Unit #1 - Coal - 65MW Net**  
 November 1, 2012 thru April 30, 2013

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		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, 2012 thru April 30, 2013

Big Rivers Electric Corporation

Reid Station Unit #2 - Combustion Turbine - Oil/Gas - 65MW Net

November 1, 2012 thru April 30, 2013

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	11/17/2012 6:00	11/17/2012 15:00	11/17/2012 6:00	11/17/2012 15:10	9:00		9:10	Unit was removed from reserve standby to replace air relief valves.
December	S,A	12/18/2012 6:00	12/21/2012 6:00	12/18/2012 6:00	12/21/2012 7:15	72:00		73:15	Unit was removed from reserve standby to complete a borescopic inspection of the compressor and turbine.
January	F			1/22/2013 15:34	1/22/2013 17:55			2:21	The unit tripped on loss of flame due to an air leak on the atomizing air header going to #7 flame can.
	S,A	1/25/2013 6:00	1/25/2013 10:00	1/25/2013 6:00	1/25/2013 10:00	4:00		4:00	Unit was removed from reserve standby for maintenance to inspect the combustion chamber.
February	S,A	2/5/2013 7:00	2/5/2013 15:00	2/5/2013 7:00	2/5/2013 15:30	8:00		8:30	Unit was removed from reserve standby to repair a leak on the atomizing air header.
	F			2/8/2013 0:15	2/8/2013 13:00			12:45	Unit was removed from reserve standby due to loss of auxiliary power to the unit.
	F			2/9/2013 9:02	2/9/2013 16:00			6:58	Unit was removed from reserve standby for maintenance to inspect the batteries that provide back up power when auxiliary power is lost.
	S,A	2/10/2013 10:00	2/10/2013 14:00	2/10/2013 10:33	2/10/2013 14:16	4:00		3:43	Unit was removed from reserve standby for maintenance to investigate intermittent power interruptions to the PLC controls.

Case No. 2013-00266

Attachment to PSC-1 Item 7

Page 2 of 11

# Big Rivers Electric Corporation

## Scheduled ("S"), Actual ("A"), and Forced ("F") Outages

### November 1, 2012 thru April 30, 2013

Big Rivers Electric Corporation

Reid Station Unit #2 - Combustion Turbine - Oil/Gas - 65MW Net

November 1, 2012 thru April 30, 2013

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				
	S,A	2/11/2013 8:00	2/12/2013 12:00	2/11/2013 8:05	2/12/2013 12:45	28:00		28:40	Unit was removed from reserve standby for maintenance to replace a T-Tap communications link to the unit controls PLC.
March	F			3/21/2013 5:30	3/21/2013 12:07			6:37	A starting failure was declared when the unit did not tie online in the allotted time due to a stuck limit switch on the inlet guide vanes.
April	F			4/3/2013 5:10	4/3/2013 7:33			2:23	A starting failure was declared when the unit did not tie online in the allotted time due to a stuck limit switch on the inlet guide vanes.
	S,A	4/3/2013 8:00	4/3/2013 16:00	4/3/2013 8:30	4/3/2013 16:15	8:00		7:45	Unit was removed from reserve standby for maintenance to replace limit switch on the inlet guide vanes.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**November 1, 2012 thru April 30, 2013**

Big Rivers Electric Corporation  
**Henderson Station Two - Unit #1 - Coal - 153MW Net**  
 November 1, 2012 thru April 30, 2013

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	11/30/2012 23:00	----->	11/30/2012 22:59	----->	1:00		1:01	The unit was removed from service to repair a steam leak on the right side main steam stop valve before seat drain line.
December	S,A	----->	12/2/2012 11:00	----->	12/2/2012 13:05	35:00		37:05	
January		No Outages							
February	F			2/24/2013 9:50	2/27/2013 6:12			68:22	Superheater tube leak.
March	S,A	3/2/2013 0:00	3/4/2013 6:00	3/2/2013 0:14	3/4/2013 3:14	54:00		51:00	The unit was removed from service to repair the SCR diverter damper. Superheater tube leak.
	F			3/23/2013 4:37	3/26/2013 2:39			70:02	
April		No Outages							

# Big Rivers Electric Corporation

## Scheduled ("S"), Actual ("A"), and Forced ("F") Outages

### November 1, 2012 thru April 30, 2013

Big Rivers Electric Corporation  
**Henderson Station Two - Unit #2 - Coal - 159MW Net**  
 November 1, 2012 thru April 30, 2013

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			11/29/2012 11:47	11/29/2012 19:50		8:03		The boiler was tripped by the operator due to the failure of #24 boiler inspection port.
December	F			12/10/2012 13:15	12/12/2012 14:49		49:34		Waterwall tube leak.
January	F			1/26/2013 18:08	1/28/2013 3:45		33:37		Superheater tube leak.
February	No Outages								
March	S,A	3/30/2012 0:00	----->	3/31/2013 7:02	----->		48:00	16:58	The unit was removed from service for 49 day planned outage. The unit was late coming off line due to a forced outage on another unit.
April	S,A	----->	----->	----->	----->		720:00	720:00	Planned outage.



# Big Rivers Electric Corporation

## Scheduled ("S"), Actual ("A"), and Forced ("F") Outages

### November 1, 2012 thru April 30, 2013

Big Rivers Electric Corporation  
 Green Station Unit #1 - Coal/Pet coke - 231MW Net  
 November 1, 2012 thru April 30, 2013

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	11/8/2012 22:00	11/10/2012 22:00	11/8/2012 21:40	11/11/2012 14:53	48:00		65:13	Unit was removed from service to repair a waterwall tube leak. Due to soft market conditions the unit was placed on reserve standby for 17:13.
December	No Outages								
January	S,A	1/12/2013 0:00	1/12/2013 6:00	1/11/2012 23:32	1/12/2012 5:57	6:00		6:25	The unit was removed from service to repair a steam leak on the "C" Boiler Feed Pump discharge check valve bonnet cap.
	F			1/29/2013 17:44	1/31/2013 15:23		45:39		The unit was tripped by the control operator due to low air flow following "A" ID Fan trip.
February	No Outages								
March	S,A	3/29/2013 1:00	3/31/2013 1:00	3/29/2013 1:00	3/31/2013 0:53	48:00		47:53	The unit was removed from service to repair a waterwall tube leak.
April	No Outages								

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**November 1, 2012 thru April 30, 2013**

Big Rivers Electric Corporation  
**Green Station Unit #2 - Coal/Pet coke - 223MW Ne**      Schedule vs. Actual  
 November 1, 2012 thru April 30, 2013

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		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, 2012 thru April 30, 2013

Big Rivers Electric Corporation  
**Coleman Station Unit #1 - Coal - 150MW Net**  
 November 1, 2012 thru April 30, 2013

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	F			1/2/2013 10:54	1/5/2013 15:38		76:44		Reheater tube leak.
	F			1/18/2013 4:45	1/20/2013 17:44		60:59		Reheater tube leak.
	F			1/22/2013 23:15	1/25/2013 4:59		53:44		Reheater tube leak.
	F			1/25/2013 5:10	1/25/2013 6:22		1:12		The unit tripped offline due to no load steam flow.
February		No Outages							
March	F			3/28/2013 14:09	3/31/2013 1:48		59:39		Waterwall tube leak.
April	S,A	4/2/2013 0:00	4/2/2013 8:00	4/1/2013 23:48	4/2/2013 7:53	8:00		8:05	Unit was removed from service for maintenance to repair #8 coal pipe on "B" pulverizer.
	F			4/17/2013 22:15	4/18/2013 4:51		6:36		The unit was removed from service to repair a hole in an inspection port on the west side of the boiler.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**November 1, 2012 thru April 30, 2013**

Big Rivers Electric Corporation  
**Coleman Station Unit #2 - Coal - 138MW Net**  
 November 1, 2012 thru April 30, 2013

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			11/11/2012 14:53	11/12/2012 5:02	14:09			The unit was tripped by the operator following an electrical short that caused the loss of control signals from the boiler drum level indicators.
December	S,A	12/9/2012 0:00	12/9/2012 18:00	12/8/2012 23:35	12/9/2012 18:05	18:00		18:30	The unit was removed from service to repair a leak on DV4 turbine drain line.
January	F			1/5/2013 23:09	1/8/2013 19:48	68:39			The unit was removed from service to clean the furnace and wash the air heaters.
February		No Outages							
March		No Outages							
April	F			4/10/2013 1:05	4/12/2013 21:28	68:23			Superheater tube leak.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**November 1, 2012 thru April 30, 2013**

Big Rivers Electric Corporation  
**Coleman Station Unit #3 - Coal - 155MW Net**  
 November 1, 2012 thru April 30, 2013

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		No Outages							
February		No Outages							
March	F			3/20/2013 23:00	3/21/2013 4:07		5:07		The unit tripped on low EH pressure.
	F			3/21/2013 4:20	3/26/2013 3:29		119:09		The unit tripped on low EH pressure.
April		No Outages							

# Big Rivers Electric Corporation

## Scheduled ("S"), Actual ("A"), and Forced ("F") Outages

### November 1, 2012 thru April 30, 2013

Big Rivers Electric Corporation  
 Wilson Station - Unit #1 - Coal/Pet Coke - 417MW Net  
 November 1, 2012 thru April 30, 2013

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	S,A	12/1/2012 0:00	12/2/2012 12:00	12/1/2012 0:07	12/2/2012 7:42	36:00		31:35	The unit was removed from service to repair a waterwall tube leak.
	F			12/8/2012 14:51	12/9/2012 19:57		29:06		Waterwall tube leak.
	F			12/9/2012 21:09	12/9/2012 22:03		0:54		The unit tripped on low drum level following start up due to a control problem with the start up feed water regulator.
	F			12/9/2012 22:45	12/10/2012 1:06		2:21		The unit tripped on high drum level following start up due to a control problem with the start up feed water regulator.
	F			12/10/2012 1:14	12/10/2012 4:18		3:04		The unit tripped on low drum level following start up due to a control problem with the start up feed water regulator.
	F			12/29/2012 13:48	----->		58:12		Superheater tube leak.
January	F			----->	1/1/2013 5:29		5:29		Superheater tube leak.
	F			1/26/2013 23:27	1/28/2013 14:09		38:42		Waterwall tube leak.
February		No Outages							
March		No Outages							
April		No Outages							



BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266

Response to Commission Staff's Request for Information  
dated August 8, 2013

due August 29, 2013

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;*

10

11

f. *Annual tonnage requirements;*

12

g. *Actual annual tonnage received since the contract's*  
13 *inception;*

13

14

h. *Percent of annual requirements received during the*  
15 *contract's term;*

15

16

i. *Base price in dollars per ton;*

17

j. *Total amount of price escalations to date in dollars per*  
18 *ton; and*

18

19

k. *Current price paid for coal under the contract in dollars*  
20 *per ton (i + j).*

20

21

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

23

24 **Witness)** Mark W. McAdams

25



**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Patriot Coal Sales 08006**

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

B. PRODUCTION FACILITY: Freedom Mine  
Henderson County, Kentucky

C. CONTRACT EXECUTED DATE: January 1, 2009  
July 17, 2009 (assumed by  
Big Rivers  
Electric)

D. CONTRACT DURATION: December 31, 2012

E. CONTRACT AMENDMENTS: November 1, 2008  
November 1, 2010  
June 2, 2011

F. ANNUAL TONNAGE REQUIREMENTS: 2009 283,671 167) tons  
2010 1,000,000 tons (620,000/365x  
2011 1,000,000 tons  
2012 108,000 tons

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Patriot Coal Sales 08006**

G. ACTUAL TONNAGE:	2009	289,815 tons
	2010	982,553 tons
	2011	989,624 tons
	2012	108,621 tons
H. PERCENT OF ANNUAL REQUIREMENTS:	2009	102.17%
	2010	98.26%
	2011	98.96%
	2012	100.58%
I. BASE PRICE:	2009	\$ 38.5000 per ton
	2010	\$ 39.5010 per ton
	2011	\$ 40.4998 per ton
	2012	\$ 43.2190 per ton
J. ESCALATIONS TO DATE:	2nd Quarter 2010	\$ 0.5456 per ton
	3rd Quarter 2010	\$ 0.4126 per ton
	4th Quarter 2010	\$ (0.0912) per ton
	1st Quarter 2011	\$ 1.1342 per ton
	2nd Quarter 2011	\$ 1.8822 per ton
	3rd Quarter 2011	\$ 2.4500 per ton
	4th Quarter 2011	\$ 2.7192 per ton
	K. CURRENT CONTRACT PRICE:	N/A - Complete

Case No. 2013-00266

Attachment to PSC-1 Item 8

Page 2 of 14

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Alliance Coal 11001**

A. NAME/ADDRESS: Alliance Coal, LLC  
1717 South Boulder Avenue  
Tulsa, Oklahoma 74119

B. PRODUCTION FACILITY: Cardinal Mine  
Hopkins County, Kentucky

C. CONTRACT EXECUTED DATE: July 7, 2010

D. CONTRACT DURATION: December 31, 2013

E. CONTRACT AMENDMENTS: March 6, 2012 Revised Trucking  
and Deisel Fuel  
Adjustments  
January 1, 2013 Revised Trucking  
and Quality Options

F. ANNUAL TONNAGE REQUIREMENTS:

2011	600,000 tons
2012	750,000 tons
2013	750,000 tons

G. ACTUAL TONNAGE:

2011	644,307 tons
2012	749,772 tons
2013 (Apr)	304,851 tons

H. PERCENT OF ANNUAL REQUIREMENTS: 2011 107.38%

Case No. 2013-00266

Attachment to PSC-1 Item 8

Page 3 of 14

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Alliance Coal 11001**

2012	99.97%
2013	40.65%

**I. BASE PRICE:**

Quality A 2011	\$	50.6904	per ton
Quality B 2011	\$	51.6504	per ton
Quality C 2011	\$	49.2461	per ton
Quality D 2011	\$	47.4996	per ton

Quality A 2012	\$	52.9704	per ton
Quality B 2012	\$	53.9736	per ton
Quality C 2012	\$	51.4622	per ton
Quality D 2012	\$	49.6363	per ton

Quality A 2013	\$	55.3536	per ton
Quality B 2013	\$	56.4024	per ton
Quality C 2013	\$	53.7773	per ton
Quality D 2013	\$	51.8696	per ton

**J. ESCALATIONS TO DATE:**

None

**K. CURRENT CONTRACT PRICE:**

Quality A 2013	\$	55.3536	per ton
Quality B 2013	\$	56.4024	per ton
Quality C 2013	\$	53.7773	per ton
Quality D 2013	\$	51.8696	per ton

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Sebree Mining 11002S**

A. NAME/ADDRESS:

Sebree Mining LLC  
15 New Steamport Road  
Sebree, KY 42455

B. PRODUCTION FACILITY:

Onton No. 9 Mine  
Webster County, Kentucky

C. CONTRACT ASSIGNMENT DATE:

March 29, 2012

D. CONTRACT DURATION:

December 31, 2016

E. CONTRACT AMENDMENTS:

April 29, 2011  
November 17, 2011  
March 29, 2012 Contract  
Assigned  
from Allied  
Resources to  
Sebree  
Mining, LLC

F. ANNUAL TONNAGE REQUIREMENTS:

2010	650,000 tons
2011	500,000 tons
2012	750,000 tons
2013	960,000 tons
2014	800,000 tons

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Sebree Mining 11002S**

2015	890,000 tons
2016	900,000 tons

**G. ACTUAL TONNAGE:**

2010	664,320 tons
2011	500,614 tons
2012	748,127 tons
2013(Apr)	350,421 tons

**H. PERCENT OF ANNUAL REQUIREMENTS:**

2010	102.20%
2011	100.12%
2012	99.75%
2013	36.50%

**I. BASE PRICE:**

Quality A Sebree Complex 2012	\$ 52.5500 per ton
Quality B Sebree Complex 2012	\$ 50.6259 per ton
Quality C Sebree Complex 2012	\$ 48.9946 per ton
Quality D Sebree Complex 2012	\$ 46.0108 per ton

Quality A Steamport Dock 2012	\$ 51.9551 per ton
Quality B Steamport Dock 2012	\$ 50.0269 per ton
Quality C Steamport Dock 2012	\$ 48.3943 per ton
Quality D Steamport Dock 2012	\$ 45.4102 per ton

Quality A Sebree Complex 2013	\$ 54.9153 per ton
Quality B Sebree Complex 2013	\$ 53.8668 per ton
Quality C Sebree Complex 2013	\$ 52.1824 per ton
Quality D Sebree Complex 2013	\$ 49.1854 per ton

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Sebree Mining 11002S**

Quality A Steamport Dock 2013	\$	54.3204	per ton
Quality B Steamport Dock 2013	\$	53.1133	per ton
Quality C Steamport Dock 2013	\$	51.4303	per ton
Quality D Steamport Dock 2013	\$	48.4308	per ton
Quality A Sebree Complex 2014	\$	57.6621	per ton
Quality B Sebree Complex 2014	\$	54.6894	per ton
Quality C Sebree Complex 2014	\$	53.8706	per ton
Quality D Sebree Complex 2014	\$	50.5978	per ton
Quality A Steamport Dock 2014	\$	57.0672	per ton
Quality B Steamport Dock 2014	\$	55.0415	per ton
Quality C Steamport Dock 2014	\$	53.2703	per ton
Quality D Steamport Dock 2014	\$	49.9994	per ton
Quality A Sebree Complex 2015	\$	61.6911	per ton
Quality B Sebree Complex 2015	\$	59.5694	per ton
Quality C Sebree Complex 2015	\$	57.7116	per ton
Quality D Sebree Complex 2015	\$	54.2146	per ton
Quality A Steamport Dock 2015	\$	61.0512	per ton
Quality B Steamport Dock 2015	\$	58.9399	per ton
Quality C Steamport Dock 2015	\$	57.0745	per ton
Quality D Steamport Dock 2015	\$	53.5832	per ton
Quality B Sebree Complex 2016	\$	62.4897	per ton

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Sebree Mining 11002S**

Quality C Sebree Complex 2016 \$ 60.7085 per ton  
Quality D Sebree Complex 2016 \$ 57.8600 per ton

Quality B Steamport Dock 2016 \$ 61.1910 per ton  
Quality C Steamport Dock 2016 \$ 60.4422 per ton  
Quality D Steamport Dock 2016 \$ 56.5598 per ton

J. ESCALATIONS TO DATE:

None

K. CURRENT CONTRACT PRICE:

Quality A Sebree Complex 2013 \$ 54.9153 per ton  
Quality B Sebree Complex 2013 \$ 53.8668 per ton  
Quality C Sebree Complex 2013 \$ 52.1824 per ton  
Quality D Sebree Complex 2013 \$ 49.1854 per ton

Quality A Steamport Dock 2013 \$ 54.3204 per ton  
Quality B Steamport Dock 2013 \$ 53.1133 per ton  
Quality C Steamport Dock 2013 \$ 51.4303 per ton  
Quality D Steamport Dock 2013 \$ 48.4308 per ton



**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Armstrong Coal 11004**

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

B. PRODUCTION FACILITY: Parkway Mine  
Muhlenberg County, Kentucky

C. CONTRACT EXECUTED DATE: July 30, 2010

D. CONTRACT DURATION: December 31, 2012

E. CONTRACT AMENDMENTS: January 1, 2011  
May 26, 2011

F. ANNUAL TONNAGE REQUIREMENTS:

2011	250,000 tons
2012	500,000 tons

G. ACTUAL TONNAGE:

2011	249,989 tons
2012	500,118 tons

H. PERCENT OF ANNUAL REQUIREMENTS:

2011	99.99%
2012	100.02%

I. BASE PRICE:

2011	\$ 43.7494 per ton
Quality A 2012	\$ 45.9894 per ton
Quality B 2012	\$ 47.2512 per ton

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Armstrong Coal 11004**

**J. ESCALATIONS TO DATE:**

1st Quarter 2011	\$	0.0381	per ton
2nd Quarter 2011	\$	1.4874	per ton
3rd Quarter 2011	\$	2.8314	per ton
4th Quarter 2011	\$	2.9680	per ton
1st Quarter 2012	\$	5.4701	per ton
2nd Quarter 2012	\$	6.7954	per ton
3rd Quarter 2012	\$	6.6919	per ton
4th Quarter 2012	\$	5.5373	per ton

**K. CURRENT CONTRACT PRICE:**

**N/A - COMPLETE**

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Patriot Coal Sales 11021**

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

B. PRODUCTION FACILITY: Freedom Mine, Grand Eagle Mine, Highland Mine  
Henderson County Ky; Henderson County Ky; Union County Ky

C. CONTRACT EXECUTED DATE: October 24, 2011

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

E. CONTRACT AMENDMENTS: November 8, 2011

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 (Apr)	199,515 tons

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Patriot Coal Sales 11021**

H. PERCENT OF ANNUAL REQUIREMENTS:	2012	99.96%
	2013	28.50%
I. BASE PRICE:	Highland 2012	\$ 48.0992 per ton
	Patriot Blend 2012	\$ 47.0624 per ton
	Highland 2013	\$ 50.0251 per ton
	Highland 2014	\$ 52.0219 per ton
	Highland 2015	\$ 54.1013 per ton
J. ESCALATIONS TO DATE:	None	
K. CURRENT CONTRACT PRICE:	Highland 2013	\$ 50.0251 per ton

**Big Rivers Electric Corporation**  
**Case No. 2013-00266**  
**Long-Term Fuel Contracts**

**Armstrong Coal 11023**

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

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

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 (Apr)	137,636 tons

Big Rivers Electric Corporation  
Case No. 2013-00266  
Long-Term Fuel Contracts

Armstrong Coal 11023

H. PERCENT OF ANNUAL REQUIREMENTS:	2012	100.39%
	2013	34.41%
I. BASE PRICE:	2012	\$ 47.2512 per ton
	2013	\$ 48.4012 per ton
	2014	\$ 51.3682 per ton
	2015	\$ 54.5123 per ton
J. ESCALATIONS TO DATE:	1st Quarter 2012	\$ 0.8970 per ton
	2nd Quarter 2012	\$ 0.9039 per ton
	3rd Quarter 2012	\$ 0.8119 per ton
	4th Quarter 2012	\$ (0.1679) per ton
	1st Quarter 2013	\$ 0.1840 per ton
	2nd Quarter 2013	\$ 0.1863 per ton
K. CURRENT CONTRACT PRICE:	2013	\$ 48.5875 per ton



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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 with  
13 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 are tables  
17 and charts, on both a cents per MMBtu and a dollar per ton basis,  
18 providing the relevant supporting information.

19 (2.) Utilities that are included in this comparison are  
20 Kentucky-based companies. These utilities are identified on the  
21 attached tables and charts.

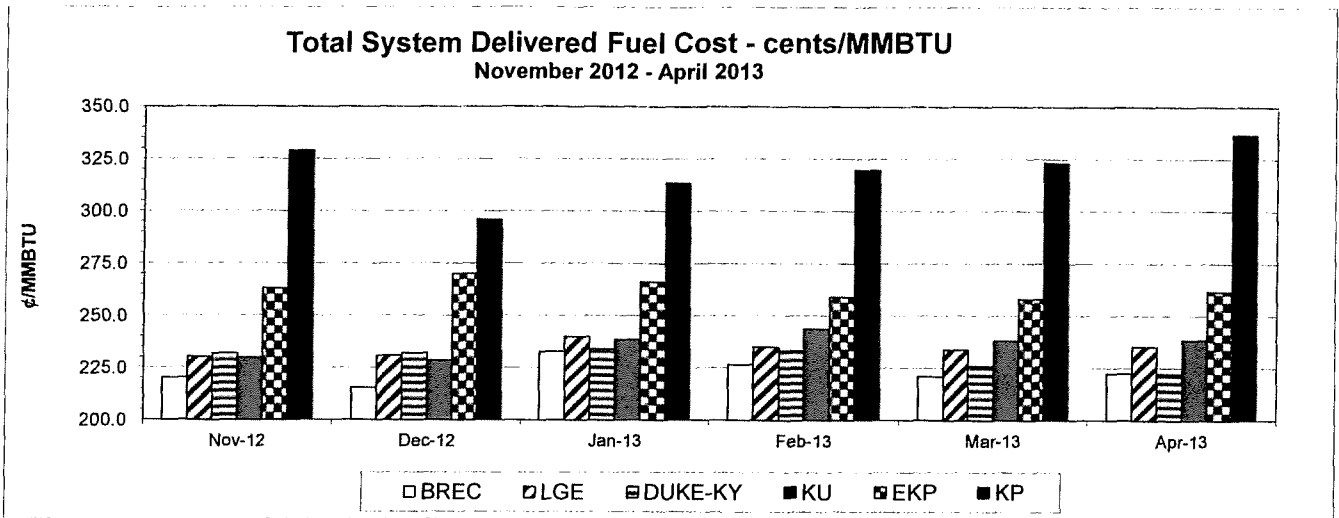
22

23 **Witness)** Mark W. McAdams

24



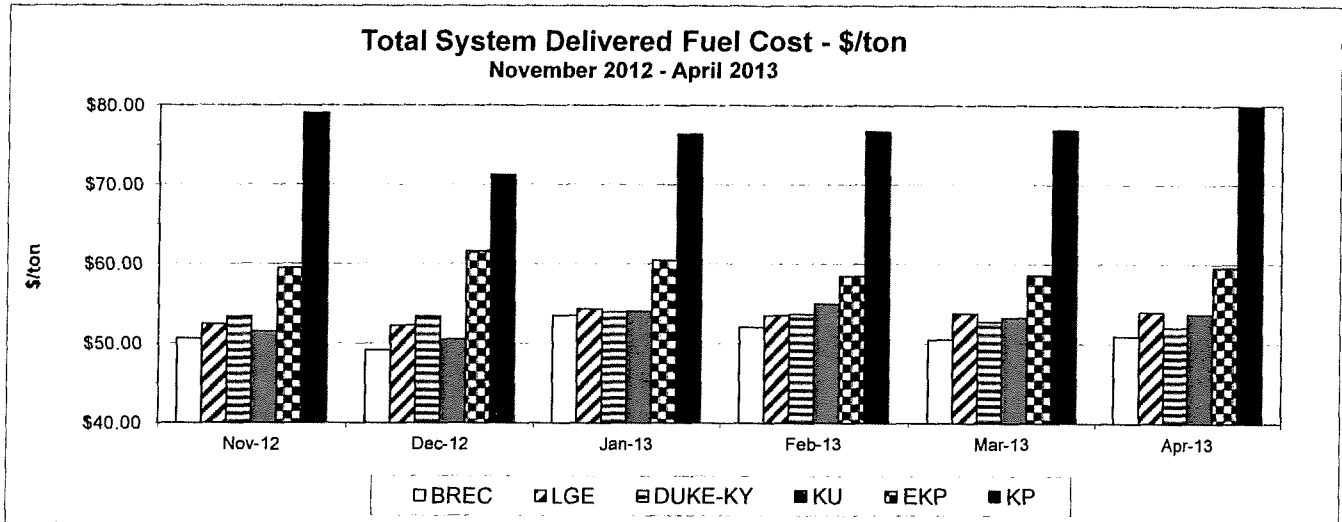
**Big Rivers Electric Corporation**  
Case No. 2013-00266



Company	Mo./Yr. - ¢/MMBTU					
	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13
BREC	220.16	215.33	232.61	226.54	221.00	222.49
LGE	230.25	230.77	239.73	235.07	233.81	235.28
DUKE-KY	231.95	232.00	234.02	233.36	226.08	222.41
KU	229.76	228.46	238.57	243.62	238.09	238.58
EKP	262.90	270.00	266.10	259.00	258.00	261.60
KP	329.01	296.13	313.59	319.83	323.29	336.71

Note: These BREC fuel costs DO NOT include Petcoke.

Source: KY PSC Data  
BRE C Fuel Cost Comps 1112\_0413 BRE C.xls

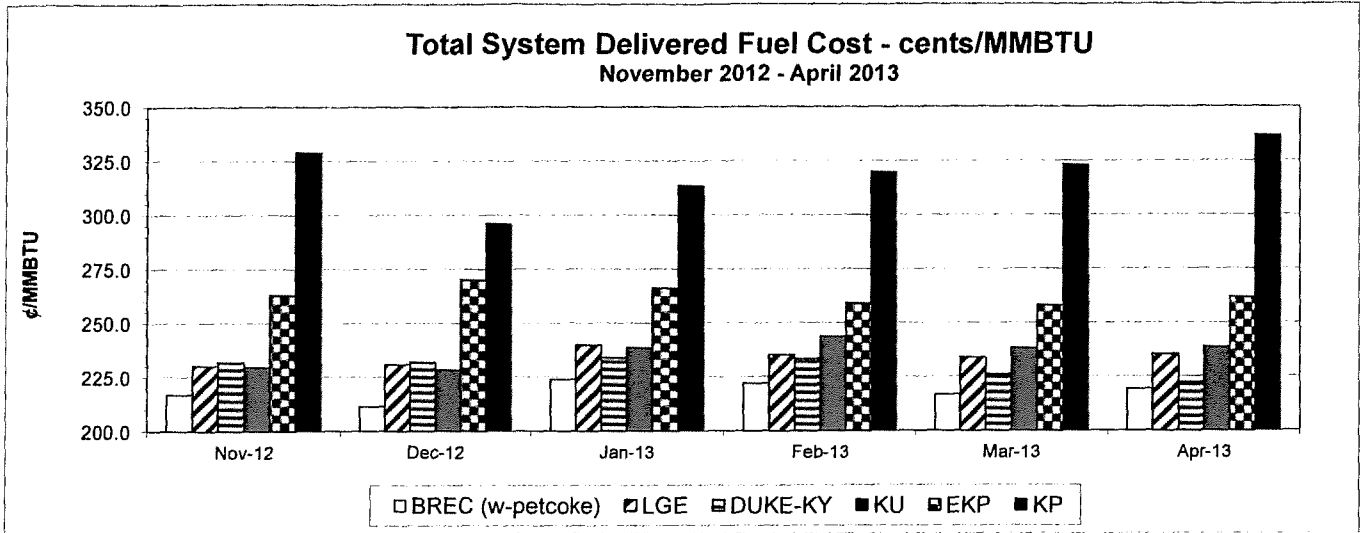


Company	Mo./Yr. - \$/ton					
	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13
BREC	\$50.60	\$49.14	\$53.52	\$52.06	\$50.50	\$50.95
LGE	\$52.46	\$52.27	\$54.38	\$53.56	\$53.83	\$54.03
DUKE-KY	\$53.41	\$53.44	\$54.00	\$53.74	\$52.77	\$52.11
KU	\$51.51	\$50.55	\$54.04	\$54.98	\$53.24	\$53.74
EKP	\$59.50	\$61.63	\$60.46	\$58.53	\$58.63	\$59.62
KP	\$79.06	\$71.25	\$76.39	\$76.76	\$76.91	\$80.34

Note: These BRE C fuel costs DO NOT include Petcoke.

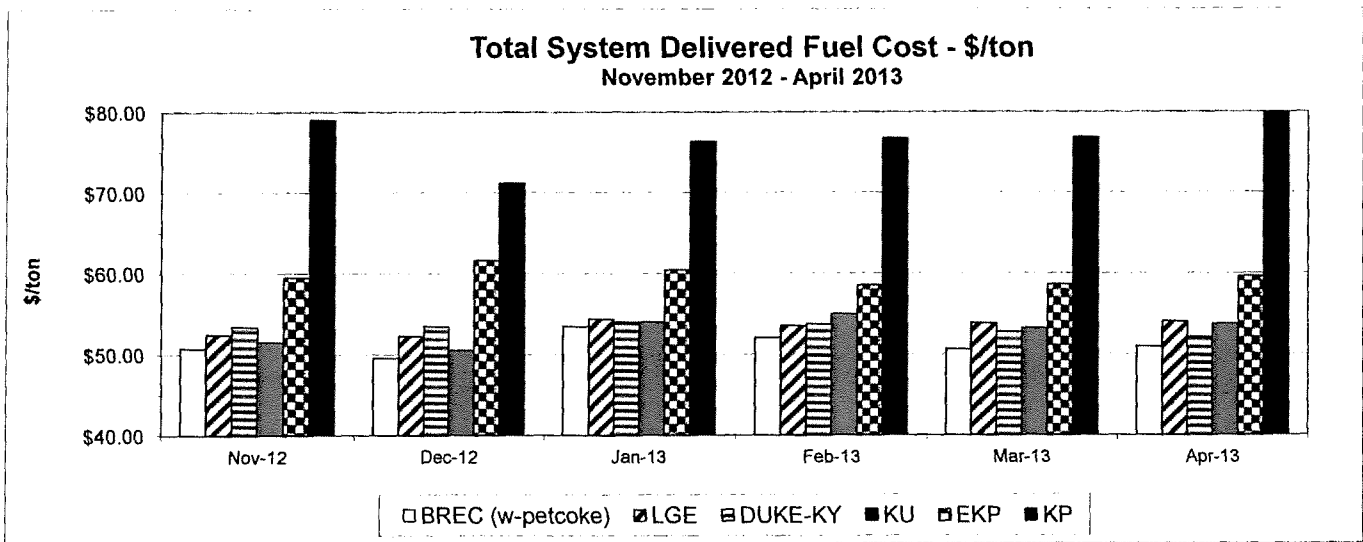
Source: KY PSC Data  
BRE C Fuel Cost Comps 1112\_0413 BRE C.xls

**Big Rivers Electric Corporation**  
Case No. 2013-00266



Company	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	
BREC (w-petcoke)	216.99	211.37	223.85	221.94	216.80	219.25	BREC Coal and Petcoke Wgt Avg c/MMBTU
LGE	230.25	230.77	239.73	235.07	233.81	235.28	
DUKE-KY	231.95	232.00	234.02	233.36	226.08	222.41	
KU	229.76	228.46	238.57	243.62	238.09	238.58	
EKP	262.90	270.00	266.10	259.00	258.00	261.60	
KP	329.01	296.13	313.59	319.83	323.29	336.71	

Source: KY PSC Data  
BREC Fuel Cost Comps 1112\_0413 BREC.xls



Company	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	
BREC (w-petcoke)	\$50.74	\$49.56	\$53.45	\$52.05	\$50.62	\$50.93	BREC Coal and Petcoke Wgt Avg \$/ton
LGE	\$52.46	\$52.27	\$54.38	\$53.56	\$53.83	\$54.03	
DUKE-KY	\$53.41	\$53.44	\$54.00	\$53.74	\$52.77	\$52.11	
KU	\$51.51	\$50.55	\$54.04	\$54.98	\$53.24	\$53.74	
EKP	\$59.50	\$61.63	\$60.46	\$58.53	\$58.63	\$59.62	
KP	\$79.06	\$71.25	\$76.39	\$76.76	\$76.91	\$80.34	

Source: KY PSC Data  
BREC Fuel Cost Comps 1112\_0413 BREC.xls



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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)**

9

a. Rail – None;

10

b. Truck – 36%;

11

c. Barge – 64%.

12

13

14 **Witness)** Mark W. McAdams

15



BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266

Response to Commission Staff's Request for Information  
dated August 8, 2013

due August 29, 2013

1 Item 11)

- 2 a. *State Big Rivers' coal inventory level in tons and in*  
3 *number of days' supply as of April 30, 2013. 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, 2013 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 10*  
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)** As of April 30, 2013, Big Rivers generating stations and in the  
19 aggregate had the following inventory levels and days' supply.

20

21

22

23

24

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 a.

<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>
<b>Big Rivers Electric System</b>	523,701.41	30	152	2,678,768.22
<b>Reid Station <sup>3</sup></b>	10,177.86	16	0	0.00
<b>Station II <sup>4</sup></b>	146,700.63	69	158	336,692.40
<b>Green Station<sup>5</sup></b>	139,876.61	32	178	823,059.09
<b>Coleman Station<sup>6</sup></b>	91,312.45	20	173	781,764.45
<b>Wilson Station<sup>7</sup></b>	135,633.86	26	174	737,252.28

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

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

6

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

Reid Station	16 – 20 Days
Station II	60 – 80 Days
Green	30 – 60 Days
Coleman	25 – 45 Days
Wilson	30 – 60 Days
Total System	30 – 60 Days

7 d. The actual inventory, for each station and in the aggregate, does not exceed the

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 inventory target by ten (10) days.

2 e. (1) Yes. Big Rivers anticipates a change in coal inventory held and modification  
3 of its current inventory target(s) within the next twelve months.

4

5 e. (2) Inventory may be reduced at one or more of Big Rivers' generating stations  
6 as a result of the Notice of Termination from Century Aluminum effective August  
7 20, 2013, and the Notice of Termination from Alcan Aluminum which is now  
8 owned by Century Aluminum and is effective January 31, 2014.

9

10 Witness) Mark W. McAdams

11

**Notes -**

<sup>1</sup> Green Station had a pet coke inventory level of 21,868.11 tons as of April 30, and has a target blend of 20% with Green coal. Wilson Station had a petcoke inventory level of 54,205.72 tons as of April 30, and has a target blend of 25% with Wilson coal.

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

<sup>3</sup> Reid Station Unit 1 was in standby reserve 180 days. Reid 1 was out of service 1 day due to a scheduled outage. The duration of generation was reduced to 0 days but Reid had a 16 day supply of compliance coal but was not utilized by MISO due to economic conditions.

<sup>4</sup> Station II Units 1 and 2 had unscheduled and maintenance hours of 318.8 hours and Unit 2 had a planned outage of 240 hours in February 2012 and H2 had a planned outage of 737 hours in March and April 2013 which extended into May 2013. Unit 2 had reserve hours of 64.3 hours. These hours were equivalent to 23 days. The duration of generation was reduced to 158 days.

<sup>5</sup> Green Units 1 and 2 had unscheduled and maintenance hours of 165.2 hours. The Green Units had no reserve hours or planned outages during the review period. The duration of generation was reduced to 178 days.

<sup>6</sup> Coleman Station Unit 1 was on standby reserve during the review period for 25.0 hours. Coleman Station Units 1, 2 and 3 had 509.3 unscheduled hours during the review period and 31.6 hours of scheduled maintenance hours for a total of 535.9 hours out-of-service. The duration of generation was reduced to 173 days.

<sup>7</sup> Wilson Unit 1 had unscheduled and scheduled maintenance hours of 169.4 hours during the review period. The duration of generation was reduced to 174 days.





**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 12)**

2 *a. State whether Big Rivers has audited any of its coal*  
3 *contracts during the period from November 1, 2012*  
4 *through April 30, 2013.*

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 contracts during the  
14 period from November 1, 2012, to April 30, 2013.

15 b.)

16 (1.) Not Applicable;

17 (2.) Not Applicable;

18 (3.) Not Applicable;

19 (4.) Not Applicable.

20

21 **Witness)** Mark W. McAdams

22



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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, 2012 through April 30, 2013.*

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 its  
11           FAC during the period from November 1, 2012, through April 30,  
12           2013.

13           b. Not applicable.

14

15 **Witness)**   Nicholas R. Castlen



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 14)**

2 **a. *State whether Big Rivers is currently involved in any litigation with***  
3 ***its current or former coal suppliers.***

4 **b. *If yes, for each litigation:***

5 ***(1) Identify the coal supplier;***

6 ***(2) Identify the coal contract involved;***

7 ***(3) State the potential liability or recovery to Big Rivers;***

8 ***(4) List the issues presented; and***

9 ***(5) Provide a copy of the complaint or other legal pleading that***  
10 ***initiated the litigation and any answers or counterclaims. If a***  
11 ***copy has previously been filed with the Commission, provide the***  
12 ***date on which it was filed and the case in which it was filed.***

13 **c. *State the current status of all litigation with coal suppliers.***

14

15 **Response)**

16 **a. Yes.**

17 **b.**

18 **(1) Oxford Mining Company – Kentucky, LLC (“Oxford”).**

19 **(2) The contract involved in the litigation was executed October 31, 2007,**  
20 **and assumed by Big Rivers July 17, 2009. After Big Rivers assumed the**  
21 **contract, Big Rivers and Oxford entered into an amended and restated**  
22 **contract effective as of July 1, 2010.**

23 **(3 – 4) Oxford filed suit against Big Rivers alleging breach of contract. Big**  
24 **Rivers counterclaimed, alleging Oxford breached the contract. The issues**

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 are whether Big Rivers and/or Oxford breached the contract, and if so, the  
2 damages that should be awarded Oxford and/or Big Rivers. Big Rivers  
3 denies that it breached the contract. For damages, Oxford is claiming lost  
4 profits in an as yet undetermined amount; \$640,869.21 in the form of  
5 employee severance payments and health insurance benefits; losses  
6 associated with the disposal of assets and equipment in an as yet  
7 undetermined amount; \$1,629,235.00 in the form of accelerated reclamation  
8 costs; and (alternatively) an as yet undetermined amount representing the  
9 differential between the market price and the contract price. Big Rivers is  
10 claiming additional maintenance costs, additional trucking expense,  
11 additional fuel purchases, and costs, expenses and damages in obtaining  
12 Oxford's assurances, in an amount in excess of the minimum dollar amount  
13 necessary to establish jurisdiction of the Ohio Circuit Court, Ohio County,  
14 Kentucky.

15 (5) A copy was previously filed with the Commission on September 11, 2012,  
16 Case No. 2012-00323.

17 (c) The action filed by Oxford is in the discovery stage and, as previously reported,  
18 the parties have exchanged discovery by producing documents and answering  
19 written questions. Disputes which developed with respect to the production of  
20 documents have been resolved. The initial depositions to be taken in the case  
21 have been scheduled and will be taken during late September 2013. The above  
22 suit is the only current litigation with coal suppliers, and it is pending.

23  
24 **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, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266

Response to Commission Staff's Request for Information  
dated August 8, 2013

due August 29, 2013

1 Item 15)

2 a. *During the period from November 1, 2012 through April*  
3 *30, 2013, 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 under review, Big Rivers made changes to  
19 its written policies and procedures regarding its fuel procurement.

20

21 b. (1), (3) and (4)

22 On February 27, 2013, Big Rivers revised the "Energy Related  
23 Transaction Authority Policy" by changing VP of Production to Chief  
24 Operating Officer, changing VP of Governmental Relations and

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 Enterprise Risk Management/Strategic Planning to Director  
2 Enterprise Risk Management/Strategic Planning, changing APM to  
3 ACES, and changing under Section 5 "MISO Transaction Authority"  
4 Aggregate Planning Resource Credits ("APRC") to Zonal Resource  
5 Credits ("ZRC"). Title changes were made due to organizational  
6 changes and the retirement of an individual. Changing APM to  
7 ACES was due to rebranding by ACES Power Marketing. APRC was  
8 changed to ZRC due to MISO moving from a monthly capacity  
9 auction to an annual capacity auction.

10  
11 On March 12, 2013, Big Rivers revised "Appendix A to Energy  
12 Related Transaction Authority Policy 105" by updating MISO  
13 capacity and Natural Gas limits, changing VP of Production to Chief  
14 Operating Officer, changing Managing Director Energy Services to  
15 VP Energy Services, changing VP of Governmental Relations and  
16 Enterprise Risk Management/Strategic Planning to Director  
17 Enterprise Risk Management/Strategic Planning, changing Power  
18 Schedule Analyst to Power Portfolio Optimization Analyst, granting  
19 certain transaction authority to the Manager Power Supply &  
20 Market Operations, granting certain transaction authority to the  
21 Energy Services Analyst, granting authority to the Power Portfolio  
22 Optimization Analyst to transact MISO Financial Transmission  
23 Rights and changing APM to ACES. MISO capacity limits were  
24 changed due to MISO moving from a monthly capacity auction to an

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 annual capacity auction. Natural Gas limits were changed so the VP  
2 Energy Services can sign certain agreements for natural gas  
3 transmission. Title changes and additions and granting of authority  
4 were made due to organizational changes, the retirement of an  
5 individual and changes in Energy Services Department  
6 responsibilities. Changing APM to ACES was due to rebranding by  
7 ACES Power Marketing.

8

9 (2) Clean and red-line copies of the "Energy Related Transaction  
10 Authority Policy," Revision 6, dated February 27, 2013 and  
11 "Appendix A to Energy Related Transaction Authority Policy 105,"  
12 Revision 7, dated March 12, 2013, are attached to this response.

13

14 c. Not applicable.

15

16 **Witness)** Michael J. Mattox

Subject: Energy Related Transaction Authority Policy	Original Effective Date <u>06/15/2007</u> Original Approval Date <u>06/15/2007</u> Date Last Revised <u>02/27/2013</u>	Approved By:  Board
--	--	---------------------------

**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. All delegated authority levels below the Chief Operating Officer level will be recommended by the Chief Operating Officer and approved by the CEO.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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 Chief Operating Officer.

**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 land or

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

cellular phone, instant messaging or via an online broker account. Recorded communications must be maintained and controlled by personnel who are independent of the transaction function.

**Deal Capture**

Any 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 SO2 or NOx 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

Subject: <b>Energy Related Transaction Authority Policy</b>	Original Effective Date	<u>06/15/2007</u>	Approved By:  <b>Board</b>
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

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) 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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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	50	\$150	21,600	\$10.8 million	1,800,000	\$110 million
		≤ 3 Years		No Max.	No Max.				
		≤ 1 Year							

**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.



Subject: Energy Related Transaction Authority Policy	Original Effective Date <u>06/15/2007</u> Original Approval Date <u>06/15/2007</u> Date Last Revised <u>02/27/2013</u>	Approved By:  Board
--	--	---------------------------

**Delivery Locations**

Transactions at delivery locations outside the eastern interconnect are not permitted. 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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**5. MISO Transaction Authority**

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

		MISO Per Transaction Limits (up to)			
Title	Product	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 Imports/Exports	As Required by MISO	1 Operating Day	No Max	MISO Price Cap

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

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

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

		PJM Per Transaction Limits (up to)			
Title	Product	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				
	<b>Virtual Transaction Awards</b>				
<b>Imports/Exports</b>	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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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>	<u>Product</u>	<u>Per Transaction Limits (up to)</u>				<u>Aggregate Limits (up to)</u>	
		<u>Term</u>	<u>Lead Time</u>	<u>Physical - Volume Gallons</u>	<u>\$/Gallon</u>	<u>Total Physical - Volume Gallons</u>	<u>Total \$</u>
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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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 ≤ 3 Years	≤ 2 Years	1,500,000	\$2.50	2 million	\$120 million
		≤ 3 Months		200,000	\$2.85		

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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.



Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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.

\*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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**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	\$125	650,000	\$81 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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

**14. 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 the department head in which the violation occurred and to the Director Enterprise Risk Management/ Strategic Planning 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.

Number	Date	Notes	Approved by
		Replaced Risk Management Policy for Power Supply	Board
Original	06/15/2007	Trading Authority Policy w/o matrices	Board
Rev 1	10/16/2009	Name change to Energy Related Transaction Authority Policy with matrices	Board
Rev 2	11/19/2010	MISO Transaction Authority added	Board
Rev 3	12/17/2010	Updated Solid Fuel Transaction Authority	Board
Rev 4	03/18/2011	Added limestone and lime, general cleanup	Board
Rev 5	02/21/2012	Made revisions to account for retirement of Senior VP Energy Services	Board
Rev 6	02/14/2013	Changed VP Production to Chief Operating	

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21

Deleted: 2012

**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. All delegated authority levels below the Chief Operating Officer level will be recommended by the Chief Operating Officer, and approved by the CEO.

Deleted: APM

Deleted: VP Production

Deleted: VP Production

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	
			Deleted: 21
			Deleted: 2012

**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 Slewing**

All slewing transactions for credit purposes shall be approved by the CEO. *(Note: Slewing 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 Slewing**

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 slewing 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 Chief Operating Officer.

**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 land or

Deleted: APM

Deleted: APM

Deleted: VP Production

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

cellular phone, instant messaging or via an online broker account. Recorded communications must be maintained and controlled by personnel who are independent of the transaction function.

**Deal Capture**

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

Deleted: APM

**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 SO2 or NOx 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

Subject: <b>Energy Related Transaction Authority Policy</b>	Original Effective Date <u>06/15/2007</u>	Approved By:
	Original Approval Date <u>06/15/2007</u>	Board
	Date Last Revised <u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

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) 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.



Subject: <b>Energy Related Transaction Authority Policy</b>	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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	50	\$150	21,600	\$10.8 million	1,800,000	\$110 million
		≤ 3 Years		No Max.	No Max.				
		≤ 1 Year							

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**Delivery Locations**

Transactions at delivery locations outside the eastern interconnect are not permitted. 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.

Deleted: APM's

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**5. MISO Transaction Authority**

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

		MISO Per Transaction Limits (up to)			
Title	Product	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.

Deleted: Aggregate Planning Resource Credits  
Deleted: APRC

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.

Subject: <b>Energy Related Transaction Authority Policy</b>	Original Effective Date <u>06/15/2007</u>	Approved By:  <b>Board</b>
	Original Approval Date <u>06/15/2007</u>	
	Date Last Revised <u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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
		≤ 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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:
	Original Approval Date	<u>06/15/2007</u>	Board
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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.

Subject: <b>Energy Related Transaction Authority Policy</b>	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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.

Title	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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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			

**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.



Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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.

\*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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By: Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21

Deleted: 2012

**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	S/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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**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	\$125	650,000	\$81 million
		≤ 3 Years		No Max	No Max		
		≤ 3 Months					

**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.

Subject: Energy Related Transaction Authority Policy	Original Effective Date	<u>06/15/2007</u>	Approved By:  Board
	Original Approval Date	<u>06/15/2007</u>	
	Date Last Revised	<u>02/27/2013</u>	

Deleted: 21  
Deleted: 2012

**14. Acknowledgements**

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

Deleted: APM

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.

Deleted: APM

**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 the department head in which the violation occurred and to the Director Enterprise Risk Management/ Strategic Planning, 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).

Deleted: Vice President of Governmental Relations and Enterprise Risk Management

Deleted: APM

**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.

Deleted: APM

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	<u>Changed VP Production to Chief Operating</u>	

Subject: Energy Related Transaction Authority Policy

Original Effective Date 06/15/2007  
Original Approval Date 06/15/2007  
Date Last Revised 02/27/2013


Approved By:  
Board

Deleted: 21

Deleted: 2012

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.



Your Touchstone Energy<sup>®</sup> Cooperative 

## Appendix A to Energy Related Transaction Authority Policy 105

<b>APPROVED BY: CEO</b> CEO Signature <i>Mark A. Bailey</i> Revision 7	<b>APPROVAL DATE:</b> <i>3/12/13</i>
<b>STAFF AND ACES TRANSACTING AUTHORITY DELEGATIONS</b>	

### 1. Purpose

The purpose of this appendix is to define the authority granted by the Big Rivers CEO (“CEO”) to Big Rivers’ staff and ACES to execute energy-related transactions.

### 2. Objective

The objective of this appendix is to extend authority within Policy 105 to Big Rivers’ internal staff and ACES.

### 3. Procedural Requirements

As an appendix to Policy 105, all requirements and criteria stated within Policy 105 apply to this appendix.

#### Delegation of authority regarding Contract Requirements

The CEO delegates his authority to use a long form confirmation as a valid agreement in lieu of a master agreement when necessary to the Chief Operating Officer, the VP Energy Services, the Director of Resources and Forecasting and the Manager Power Supply & Market Operations.

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

The following outlines Big Rivers' staff and ACES transaction limits for power and power transmission transactions.

Title	Product	Per Transaction Limits (up to)				Per Delivery Day Limits (up to)		Aggregate Limits (up to)	
		Term	Lead Time	MW Size	\$/MWH	Total Volume MWH	Total \$	Total Volume MWH	Total \$
Chief Operating Officer	Electric Power and Transmission	> 1 Month ≤ 1 Year	≤ 1 Year	105	\$85	16,200	\$8.1 million	657,000	\$55.8 million
		≤ 1 Month		210	No Max				
VP Energy Services	Electric Power and Transmission	> 1 Month ≤ 3 Months	≤ 1 Year	105	\$75	14,000	\$7.0 million	500,000	\$37.5 million
		> 1 Week ≤ 1 Month		105	\$100				
		≤ 1 Week	≤ 1 Month	No Max.	No Max.				
Director of Resources & Forecasting or Manager Power Supply & Market Operations	Electric Power and Transmission	> 1 Month ≤ 3 Months	≤ 1 Year	105	\$75	14,000	\$7.0 million	500,000	\$37.5 million
		> 1 Week ≤ 1 Month		105	\$100				
		≤ 1 Week	≤ 1 Month	No Max.	No Max.				
Power Scheduling Analyst	Electric Power and Transmission	≤ 1 Week	≤ 1 Month	450	No Max.	10,800	\$6.0 million	200,000	\$25 million
ACES	Electric Power and Transmission	≤ 1 Daily	≤ 1 Week	450	No Max.	10,800	\$5.4 million	100,000	\$12 million

#### Delegation of authority regarding Firmness of Power

The CEO delegates his authority to sell power that is more firm than the supply source to the Chief Operating Officer.

#### Delegation of authority regarding Transmission Firmness and Volume

The CEO delegates his authority to execute transmission purchases not of equal firmness and volume to the energy component that such transmission purchase is associated with to the Chief Operating Officer.



**Delegation of authority regarding Restricted Delivery Locations**

The CEO delegates his authority to execute transactions at other Eastern interconnection locations to the Chief Operating Officer.

## 5. MISO Transaction Authority

The following outlines Big Rivers' staff and ACES transaction limits for MISO products.

		MISO Per Transaction Limits (up to)			
Title	Product	Delivery Lead Time	Term	MW Size	
Chief Operating Officer	Generation Awards	As Required by MISO	1 Operating Day	425	MISO Price Cap
	Demand Awards			1750	
	Ancillary Service Awards			425	
	Capacity	≤ 2 Years	≤ 2 Years	425	\$50/MW-day
	Financial Transmission Rights	≤ 1 Year	≤ 1 Year	425	\$20/MWh
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	No Max	MISO Price Cap
Imports/Exports	No Max				
VP Energy Services or Director of Resources & Forecasting or Manager Power Supply & Market Operations	Generation Awards	As Required by MISO	1 Operating Day	425	MISO Price Cap
	Demand Awards			1700	
	Ancillary Service Awards			425	
	Capacity	≤ 1 Year	≤ 1 Year	425	\$45/MW-day
	Financial Transmission Rights	≤ 6 months	≤ 6 months	425	\$12/MWh
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	400	MISO Price Cap
Imports/Exports	500				
Power Portfolio Optimization Analyst	Generation Awards	As Required by MISO	1 Operating Day	425	MISO Price Cap
	Demand Awards			1675	
	Ancillary Service Awards			425	
	Financial Transmission Rights	< 6 Months	< 6 Months	425	\$10/MWh
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	400	MISO Price Cap
	Imports/Exports			450	
Energy Services Analyst	Demand Award	As Required by MISO	1 Operating Day	1675	MISO Price Cap
ACES	Generation Awards	As Required by MISO	1 Operating Day	425	MISO Price Cap
	Demand Awards			1650	
	Ancillary Service Awards			425	
	Financial Transmission Rights	≤ 6 Months	≤ 6 Months	425	\$10/MWh
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	400	MISO Price Cap
	Imports/Exports			400	

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

The following outlines Big Rivers' staff and ACES transaction limits for PJM products.

		PJM Per Transaction Limits (up to)			
Title	Product	Delivery Lead Time	Term	MW Size	\$/MWh
Chief Operating Officer	Generation Awards	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Demand Awards				
	Ancillary Service Awards				
	Capacity	≤ 1 Year	≤ 1 Year	210	\$20
	Financial Transmission Rights	As Required by PJM	1 Operating Day	No Max	PJM Price Cap
	Virtual Transaction Awards			No Max	
VP Energy Services or Director of Resources & Forecasting or Manager Power Supply & Market Operations	Imports/Exports	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Generation Awards				
	Demand Awards				
	Ancillary Service Awards	≤ 1 Year	≤ 3 months	105	\$12
	Capacity	As Required by PJM	1 Operating Day	400	PJM Price Cap
	Financial Transmission Rights			500	
Power Portfolio Optimization Analyst	Virtual Transaction Awards	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Imports/Exports				
	Generation Awards				
	Demand Awards	Not Authorized	Not Authorized	Not Authorized	Not Authorized
	Ancillary Service Awards	As Required by PJM	1 Operating Day	400	PJM Price Cap
	Capacity			450	
ACES	Imports/Exports	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Generation Awards				
	Demand Awards				
	Ancillary Service Awards	Not Authorized	Not Authorized	Not Authorized	Not Authorized
	Capacity	As Required by PJM	1 Operating Day	400	PJM Price Cap
	Financial Transmission Rights			400	

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

The following outlines Big Rivers' staff and ACES transaction limits 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 MMBtu Volume per Day	\$/MMBtu	Total Physical Volume MMBtu	Total \$	Total Physical Volume MMBtu	Total \$
Chief Operating Officer	Physical	> 1 Month ≤ 1 Year	≤ 1 Year	20,000	\$15	20,000	\$300,000	400,000	\$6 million
		≤ 1 Month		No Max	No Max	No Max	No Max		
VP Energy Services	Physical	> 1 Week ≤ 3 Months	≤ 1 Year	10,000	\$15	10,000	\$150,000	200,000	\$3 million
		≤ 1 Week	≤ 1 Month	No Max.	No Max.	No Max	No Max		
Director of Resources & Forecasting or Manager Power Supply & Market Operations	Physical	> 1 Week ≤ 1 Month	≤ 1 Year	10,000	\$15	10,000	\$150,000	200,000	\$3 million
		≤ 1 Week	≤ 1 Month	No Max.	No Max.	No Max	No Max		
ACES	Physical*	≤ 1 Week	≤ 1 Week	20,000	\$15	20,000	\$300,000	100,000	\$1.5 million
	Pipeline Payback			60,000	\$15	60,000	\$900,000	60,000	\$900,000

**\*Excludes purchases for pipeline payback. Purchases for pipeline payback are addressed separately in the row below.**

**Delegation of authority regarding Gas Firmness**

The CEO delegates his authority to sell gas that is more firm than the supply source to the Chief Operating Officer.

**Delegation of authority regarding Transportation Firmness and Volume**

The CEO delegates his authority to execute transportation purchases not of equal firmness and volume to the gas component that such transportation purchase is associated with to the Chief Operating Officer.

## 8. Fuel Oil Transaction Authority

The following outlines Big Rivers' staff and ACES transaction limits for fuel oil transactions.

<u>Title</u>	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Physical-Volume Gallons	\$/Gallon	Total Volume Gallons	Total \$
Chief Operating Officer	Physical Fuel Oil	> 1 Month ≤ 1 Year	≤ 1 Year	750,000	\$6	4,000,000	\$24 Million
		≤ 1 Month		No Max	No Max		
Director of Fuels Procurement	Physical Fuel Oil	> 1 Week ≤ 1 Month	≤ 1 Year	500,000	\$6	1,000,000	\$6 million
		≤ 1 Week	≤ 1 Month	No Max	No Max		
ACES	Physical Fuel Oil	As directed	As directed	As directed	As directed	As directed	As directed

**9. Solid Fuel Transaction Authority**

The following outlines Big Rivers' staff transaction limits for solid fuel.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/MMBtu	Total Volume Tons	Total \$
Chief Operating Officer	Physical Solid Fuel	> 3 Months ≤ 1 Year	≤ 1 Year	500,000	\$2.50	1.0 million	\$60 million
		≤ 3 Months		100,000	\$2.85		
Director of Fuels Procurement	Physical Solid Fuel	> 3 Months ≤ 6 Months	≤ 1 Year	250,000	\$2.50	500,000	\$30 million
		≤ 3 Months		50,000	\$2.85		

**10. Solid Fuel Transportation Authority**

The following outlines Big Rivers' staff transaction limits 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 \$
Chief Operating Officer	Barge, Rail or Truck Transportation	> 3 Months ≤ 3 Years	≤ 1 Year	2.5 million	\$5	5 million	\$20 million
		≤ 3 Months		No Max	No Max		
Director of Fuels Procurement	Barge, Rail or Truck Transportation	> 1 Month ≤ 1 Year	≤ 1 Year	750,000	\$5	2 million	\$10 million
		≤ 1 Month	≤ 1 Month	No Max	No Max		

**11. Emission Allowance Transaction Authority**

The following outlines Big Rivers' staff and ACES transaction limits for emission allowance transactions.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Chief Operating Officer	Federal SO2 Emission Allowances	≤ 1 Year	≤ 1 Year	2,500	\$300	10,000	\$3 million
	Federal NOx Emission Allowances	≤ 1 Year		1,250	\$2,000	5,000	\$10 million
VP Energy Services or Director of Resources & Forecasting or Manager Power Supply & Market Operations	Federal SO2 Emission Allowances	≤ 1 Year	≤ 6 months	2,000	\$275	5,000	\$1 million
	Federal NOx Emission Allowances	≤ 1 Year		500	\$1,500	2,000	\$3 million
ACES	Federal SO2 Emission Allowances	As directed	As directed	As directed	As directed	As directed	As directed
	Federal NOx Emission Allowances	As directed		As directed	As directed		



## 12. Limestone Reagent Transaction Authority

The following outlines Big Rivers' staff transaction limits 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 \$
Chief Operating Officer	Physical Limestone Reagent	≤ 1 Year	≤ 1 Year	187,500	\$18	375,000	\$6.75 million
Director of Fuels Procurement	Physical Limestone Reagent	≤ 3 Months	≤ 1 Year	93,750	\$18	187,500	\$3.375 million

### 13. Lime Reagent Transaction Authority

The following outlines Big Rivers' staff transaction limits 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 \$
Chief Operating Officer	Physical Lime Reagent	≤ 1 Year	≤ 1 Year	162,500	\$120	162,500	\$19.5 million
Director of Fuels Procurement	Physical Lime Reagent	≤ 3 Months	≤ 1 Year	81,250	\$120	81,250	\$9.75 million

## 14. Acknowledgements

### 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 the department head in which the violation occurred and to the Director of Enterprise Risk Management and Strategic Planning 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).

### Appendix Effective

This Transaction Authority Appendix is in effect upon the CEO's approval and shall remain in effect until a replacement appendix has been approved by the CEO.

### Responsibility

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

### Revisions

Big Rivers Policy 105/Appendix A Revision Record			
Number	Date	Notes	Approved by
Rev. 0	11-04-09	Energy Related Trans	Mark Bailey
Rev. 1	11-22-10	MISO and other misc. updates	Mark Bailey
Rev. 2	1-4-11	Updated Solid Fuel Transaction Authority	Mark Bailey
Rev. 3	3-18-11	Added Limestone and Lime, general cleanup	Mark Bailey
Rev. 4	12-5-11	Update Bi-Lateral and Emission limits, add authority for PJM FTRs, add VP of Production	Mark Bailey
Rev. 5	5-7-11	Remove Senior VP Energy Services from document due to retirement/elimination of role	Mark Bailey
Rev. 6	7-12-2012	Change Director of Power Portfolio Optimization to Managing Director Energy Services	Mark Bailey
Rev. 7	2-1-2013	Updated MISO capacity and Natural Gas limits, changed VP Production to Chief Operating Officer, changed Managing Director Energy Services to VP Energy Services, added Manager Power Supply & Market Operations, changed Power Scheduling Analyst to Power Portfolio Optimization Analyst and added Energy Services Analyst	Mark Bailey





Your Touchstone Energy Cooperative

### Appendix A to Energy Related Transaction Authority Policy 105

<b>APPROVED BY: CEO</b> CEO Signature _____ Revision <u>7</u>	<b>APPROVAL DATE:</b> _____
<b>STAFF AND <u>ACES</u> TRANSACTING AUTHORITY DELEGATIONS</b>	

Deleted: 6

Deleted: APM

#### 1. Purpose

The purpose of this appendix is to define the authority granted by the Big Rivers CEO ("CEO") to Big Rivers' staff and ACES to execute energy-related transactions.

Deleted: APM

#### 2. Objective

The objective of this appendix is to extend authority within Policy 105 to Big Rivers' internal staff and ACES.

Deleted: APM

#### 3. Procedural Requirements

As an appendix to Policy 105, all requirements and criteria stated within Policy 105 apply to this appendix.

#### Delegation of authority regarding Contract Requirements

The CEO delegates his authority to use a long form confirmation as a valid agreement in lieu of a master agreement when necessary to the Chief Operating Officer, the VP Energy Services, the Director of Resources and Forecasting and the Manager Power Supply & Market Operations.

Deleted: VP Production

Deleted: and

Deleted: Managing Director

Deleted: and

Comment [lnb1]: Adding Mike Thompson because of departmental role changes

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

The following outlines Big Rivers' staff and ACES transaction limits for power and power transmission transactions.

Deleted: APM

Title	Product	Per Transaction Limits (up to)				Per Delivery Day Limits (up to)		Aggregate Limits (up to)	
		Term	Lead Time	MW Size	\$/MWH	Total Volume MWH	Total \$	Total Volume MWH	Total \$
Chief Operating Officer	Electric Power and Transmission	> 1 Month ≤ 1 Year	≤ 1 Year	105	\$85	16,200	\$8.1 million	657,000	\$55 million
		≤ 1 Month		210	No Max.				
VP Energy Services	Electric Power and Transmission	> 1 Month ≤ 3 Months	≤ 1 Year	105	\$75	14,000	\$7.0 million	500,000	\$37 million
		> 1 Week ≤ 1 Month		105	\$100				
		≤ 1 Week	≤ 1 Month	No Max.	No Max.				
Director of Resources & Forecasting or Manager Power Supply & Market Operations	Electric Power and Transmission	> 1 Month ≤ 3 Months	≤ 1 Year	105	\$75	14,000	\$7.0 million	500,000	\$37.5 million
		> 1 Week ≤ 1 Month		105	\$100				
		≤ 1 Week	≤ 1 Month	No Max.	No Max.				
Power Scheduling Analyst	Electric Power and Transmission	≤ 1 Week	≤ 1 Month	450	No Max.	10,800	\$6.0 million	200,000	\$25 million
ACES	Electric Power and Transmission	≤ 1 Daily	≤ 1 Week	450	No Max.	10,800	\$5.4 million	100,000	\$12 million

Deleted: VP Production

Deleted: Managing Director

Deleted: APM

**Delegation of authority regarding Firmness of Power**

The CEO delegates his authority to sell power that is more firm than the supply source to the Chief Operating Officer.

Deleted: VP Production

**Delegation of authority regarding Transmission Firmness and Volume**

The CEO delegates his authority to execute transmission purchases not of equal firmness and volume to the energy component that such transmission purchase is associated with to the Chief Operating Officer.

Deleted: VP Production

**Delegation of authority regarding Restricted Delivery Locations**

The CEO delegates his authority to execute transactions at other Eastern interconnection locations to the Chief Operating Officer.

Deleted: VP Production

**5. MISO Transaction Authority**

The following outlines Big Rivers' staff and ACES transaction limits for MISO products.

Deleted: APM

		MISO Per Transaction Limits (up to)				
Title	Product	Delivery Lead Time	Term	MW Size		
Chief Operating Officer	Generation Awards	As Required by MISO	1 Operating Day	425	MISO Price	<b>Comment [Inb2]:</b> Capacity sales are no longer priced in \$/MWh, so we had to add the unit of measure in the actual cell see below <b>Deleted:</b> \$/MWh <b>Deleted:</b> VP Production
	Demand Awards			1750		
	Ancillary Service Awards			425		
	Capacity	< 2 Years	< 2Years	425	\$50/MW	
	Financial Transmission Rights	< 1 Year	< 1 Year	425	\$20/MW	
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	No Max	MISO Price	
Imports/Exports	No Max					
VP Energy Services or Director of Resources & Forecasting or Manager Power Supply & Market Operations	Generation Awards	As Required by MISO	1 Operating Day	425	MISO Price	
	Demand Awards			1700		
	Ancillary Service Awards			425		
	Capacity	< 1 Year	< 1Year	425	\$45/MW	
	Financial Transmission Rights	< 6 months	< 6 months	425	\$12/MW	
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	400	MISO Price Cap	
Imports/Exports	500					
Power Portfolio Optimization Analyst	Generation Awards	As Required by MISO	1 Operating Day	425	MISO Price Cap	<b>Deleted:</b> Scheduling <b>Comment [Inb4]:</b> Changed Natalie's title Also gave Natalie authority to execute FTRs due to departmental responsibility changes <b>Deleted:</b> Not Authorized <b>Deleted:</b> Not Authorized <b>Deleted:</b> Not Authorized
	Demand Awards			1675		
	Ancillary Service Awards			425		
	Financial Transmission Rights	< 6 Months	< 6 Months	425	\$10/MW	
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	400	MISO Price	
Imports/Exports	450					
Energy Services Analyst	Demand Award	As Required by MISO	1 Operating Day	1675	MISO Price	
ACES	Generation Awards	As Required by MISO	1 Operating Day	425	MISO Price	<b>Comment [Inb5]:</b> Gave Eric the ability to submit the Load Forecast directly to MISO if needed No sales authority is granted, only submittals of load forecast <b>Deleted:</b> APM
	Demand Awards			1650		
	Ancillary Service Awards			425		
	Financial Transmission Rights	< 6 Months	< 6 Months	425	\$10/MW	
	Virtual Transaction Awards	As Required by MISO	1 Operating Day	400	MISO Price	
Imports/Exports	400					



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

The following outlines Big Rivers' staff and ACES transaction limits for PJM products.

Deleted: APM

		PJM Per Transaction Limits (up to)			
Title	Product	Delivery Lead Time	Term	MW Size	\$/MWh
Chief Operating Officer	Generation Awards	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Demand Awards				
	Ancillary Service Awards				
	Capacity	≤ 1 Year	≤ 1 Year	210	\$20
	Financial Transmission Rights				
	Virtual Transaction Awards				
Imports/Exports	As Required by PJM	1 Operating Day	No Max No Max	PJM Price Cap	
VP Energy Services or Director of Resources & Forecasting or Manager Power Supply & Market Operations	Generation Awards	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Demand Awards				
	Ancillary Service Awards				
	Capacity	≤ 1 Year	≤ 3 months	105	\$12
	Financial Transmission Rights				
	Virtual Transaction Awards				
Imports/Exports	As Required by PJM	1 Operating Day	500	PJM Price Cap	
Power Portfolio Optimization Analyst	Generation Awards	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Demand Awards				
	Ancillary Service Awards				
	Capacity	Not Authorized	Not Authorized	Not Authorized	Not Authorized
	Financial Transmission Rights				
	Virtual Transaction Awards				
Imports/Exports	As Required by PJM	1 Operating Day	400 450	PJM Price Cap	
ACES	Generation Awards	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted	Not Presently Transacted
	Demand Awards				
	Ancillary Service Awards				
	Capacity	Not Authorized	Not Authorized	Not Authorized	Not Authorized
	Financial Transmission Rights				
	Virtual Transaction Awards				
Imports/Exports	As Required by PJM	1 Operating Day	400 400	PJM Price Cap	

Deleted: VP Production

Deleted: Managing Director

Deleted: and

Deleted: Scheduling

Deleted: APM

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

The following outlines Big Rivers' staff and ACES transaction limits for natural/synthetic gas (Gas) and transportation transactions.

Deleted: APM

Title	Product	Per Transaction Limits (up to)				Per Delivery Day Limits (up to)		Aggregate Limits (up to)	
		Term	Lead Time	Physical MMBtu Volume per Day	\$/MMBtu	Total Physical Volume MMBtu	Total \$	Total Physical Volume MMBtu	Total \$
Chief Operating Officer	Physical	> 1 Month ≤ 1 Year	≤ 1 Year	20,000	\$15	20,000	\$300,000	400,000	\$
		≤ 1 Month		No Max	No Max	No Max	No Max		
VP Energy Services	Physical	> 1 Week ≤ 3 Months	≤ 1 Year	10,000	\$15	10,000	\$150,000	200,000	\$
		≤ 1 Week		No Max	No Max	No Max	No Max		
Director of Resources & Forecasting or Manager Power Supply & Market Operations	Physical	> 1 Week ≤ 1 Month	≤ 1 Year	10,000	\$15	10,000	\$150,000	200,000	\$3 million
		≤ 1 Week		No Max	No Max	No Max	No Max		
ACES	Physical*	≤ 1 Week	≤ 1 Week	20,000	\$15	20,000	\$300,000	100,000	\$1.5 million
	Pipeline Payback			60,000	\$15	60,000	\$900,000	60,000	\$

Deleted: VP Production

Comment [Inb6]: Changed Lindsay's term to 3 months because our standard gas agreement with Texas Gas is a quarterly agreement

Deleted: 1

Deleted: Managing Director

Deleted: APM

**\*Excludes purchases for pipeline payback. Purchases for pipeline payback are addressed separately in the row below.**

**Delegation of authority regarding Gas Firmness**

The CEO delegates his authority to sell gas that is more firm than the supply source to the Chief Operating Officer.

Deleted: VP Production

**Delegation of authority regarding Transportation Firmness and Volume**

The CEO delegates his authority to execute transportation purchases not of equal firmness and volume to the gas component that such transportation purchase is associated with to the Chief Operating Officer.

Deleted: VP Production

**8. Fuel Oil Transaction Authority**

The following outlines Big Rivers' staff and ACES transaction limits for fuel oil transactions.

Deleted: APM

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Physical-Volume Gallons	\$/Gallon	Total Volume Gallons	Total \$
Chief Operating Officer	Physical Fuel Oil	> 1 Month ≤ 1 Year	≤ 1 Year	750,000	\$6	4,000,000	\$24 Million
		≤ 1 Month		No Max	No Max		
Director of Fuels Procurement	Physical Fuel Oil	> 1 Week ≤ 1 Month	≤ 1 Year	500,000	\$6	1,000,000	\$6 million
		≤ 1 Week	≤ 1 Month	No Max	No Max		
ACES	Physical Fuel Oil	As directed	As directed	As directed	As directed	As directed	As directed

Deleted: VP Production

Deleted: APM

**9. Solid Fuel Transaction Authority**

The following outlines Big Rivers' staff transaction limits for solid fuel.

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/MMBtu	Total Volume Tons	Total \$
Chief Operating Officer	Physical Solid Fuel	> 3 Months ≤ 1 Year	≤ 1 Year	500,000	\$2.50	1.0 million	<del>\$60 million</del> <span style="border: 1px solid black; padding: 2px;">Deleted: VP Production</span>
		≤ 3 Months		100,000	\$2.85		
Director of Fuels Procurement	Physical Solid Fuel	> 3 Months ≤ 6 Months	≤ 1 Year	250,000	\$2.50	500,000	\$30 million
		≤ 3 Months		50,000	\$2.85		

**10. Solid Fuel Transportation Authority**

The following outlines Big Rivers' staff transaction limits 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 \$
Chief Operating Officer	Barge, Rail or Truck Transportation	> 3 Months ≤ 3 Years	≤ 1 Year	2.5 million	\$5	5 million	\$20 million
		≤ 3 Months		No Max	No Max		
Director of Fuels Procurement	Barge, Rail or Truck Transportation	> 1 Month ≤ 1 Year	≤ 1 Year	750,000	\$5	2 million	\$10 million
		≤ 1 Month	≤ 1 Month	No Max	No Max		

Deleted: VP Production

**11. Emission Allowance Transaction Authority**

The following outlines Big Rivers' staff and ACES transaction limits for emission allowance transactions.

Deleted: APM

Title	Product	Per Transaction Limits (up to)				Aggregate Limits (up to)	
		Term	Lead Time	Volume Tons	\$/Ton	Total Volume Tons	Total \$
Chief Operating Officer	Federal SO2 Emission Allowances	≤ 1 Year	≤ 1 Year	2,500	\$300	10,000	\$3 million
	Federal NOx Emission Allowances	≤ 1 Year		1,250	\$2,000	5,000	\$10 million
VP Energy Services or Director of Resources & Forecasting or Manager Power Supply & Market Operations	Federal SO2 Emission Allowances	≤ 1 Year	≤ 6 months	2,000	\$275	5,000	\$1 million
	Federal NOx Emission Allowances	≤ 1 Year		500	\$1,500	2,000	\$3 million
ACES	Federal SO2 Emission Allowances	As directed	As directed	As directed	As directed	As directed	As directed
	Federal NOx Emission Allowances	As directed		As directed	As directed		

Deleted: VP Production

Deleted: Director of Fuels Procurement, Managing Director

Deleted: and

Deleted: APM

**12. Limestone Reagent Transaction Authority**

The following outlines Big Rivers' staff transaction limits 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 \$
Chief Operating Officer	Physical Limestone Reagent	≤ 1 Year	≤ 1 Year	187,500	\$18	375,000	\$6.75 million
Director of Fuels Procurement	Physical Limestone Reagent	≤ 3 Months	≤ 1 Year	93,750	\$18	187,500	\$3.375 million

Deleted: VP Production

**13. Lime Reagent Transaction Authority**

The following outlines Big Rivers' staff transaction limits 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 \$
Chief Operating Officer	Physical Lime Reagent	≤ 1 Year	≤ 1 Year	162,500	\$120	162,500	\$19.5 million
Director of Fuels Procurement	Physical Lime Reagent	≤ 3 Months	≤ 1 Year	81,250	\$120	81,250	\$9.75 million

Deleted: VP Production



**14. Acknowledgements**

**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 the department head in which the violation occurred and to the Director of Enterprise Risk Management and Strategic Planning 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).

**Deleted:** Vice President of Governmental Relations and Enterprise Risk Management

**Deleted:** APM

**Appendix Effective**

This Transaction Authority Appendix is in effect upon the CEO's approval and shall remain in effect until a replacement appendix has been approved by the CEO.

**Responsibility**

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

**Deleted:** VP Production

**Deleted:** APM

Revisions

Big Rivers Policy 105/Appendix A Revision Record			
Number	Date	Notes	Approved by
Rev. 0	11-04-09	Energy Related Trans	Mark Bailey
Rev. 1	11-22-10	MISO and other misc. updates	Mark Bailey
Rev. 2	1-4-11	Updated Solid Fuel Transaction Authority	Mark Bailey
Rev. 3	3-18-11	Added Limestone and Lime, general cleanup	Mark Bailey
Rev. 4	12-5-11	Update Bi-Lateral and Emission limits, add authority for PJM FTRs, add VP of Production	Mark Bailey
Rev. 5	5-7-11	Remove Senior VP Energy Services from document due to retirement/elimination of role	Mark Bailey
Rev. 6	7-12-2012	Change Director of Power Portfolio Optimization to Managing Director Energy Services	Mark Bailey
Rev. 7	2-1-2013	Updated MISO capacity and Natural Gas limits, changed VP Production to Chief Operating Officer, changed Managing Director Energy Services to VP Energy Services, added Manager Power Supply & Market Operations, changed Power Scheduling Analyst to Power Portfolio Optimization Analyst and added Energy Services Analyst	Mark Bailey





**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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 *2012 through April 30, 2013.*

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, 2012, through April 30, 2013. 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 **Witness)** Mark W. McAdams

21



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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, 2012 through April 30, 2013.*

5

6 **Response)** As noted in Big Rivers' response to Item 33 of the Commission Staff's  
7 Request for Information in Big Rivers' Two-Year FAC Review, Case No. 2012-  
8 00555, Ms. Lindsay N. Barron's title changed from Managing Director, Energy  
9 Services to Vice President Energy Services in February 2013.

10

11 **Witness)** Michael J. Mattox

12



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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) Since receiving the contract termination notices from Century  
11 Aluminum and Rio Tinto Alcan, Big Rivers has been  
12 implementing its Load Concentration Mitigation plan. One aspect  
13 of the plan calls for Big Rivers to idle or reduce generation when  
14 the market price does not support the cost of generating. On May  
15 24, 2013 Big Rivers submitted to MISO an Attachment Y,  
16 "Notification of Potential Generation/SCU Change of Status" of its  
17 intent to idle all three units at Coleman Station effective  
18 September 1, 2013. MISO subsequently determined and notified  
19 Big Rivers that Coleman Station is needed for grid reliability, and  
20 must continue to remain available for operation as a System  
21 Support Resource ("SSR"). Consequently, the Coleman Unit 1  
22 outage that was scheduled from April 27 to May 25, 2013, has  
23 been deferred to September 2013, in order for Big Rivers to

Case No. 2013-00266  
Response to Staff Item 18  
Witness: Lawrence V. Baronowsky (a.) and  
Mark W. McAdams (b.)  
Page 1 of 2



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1                   determine specifically what maintenance needs to be performed  
2                   for the unit to continue operating until May 2014.  
3                   b) The deferred outage (April 27 to May 25, 2013) provided Big  
4                   Rivers the opportunity for an additional twenty-eight (28) days of  
5                   generation at Coleman. For the added generation Big Rivers  
6                   consumed approximately 40,500 additional tons of fuel over the  
7                   original budgeted amount.

8  
9                   **Witnesses)** Lawrence V. Baronowsky (a.) and  
10                   Mark W. McAdams (b.)  
11



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 19)** *List each written coal supply solicitation issued during the*  
2 *period from November 1, 2012 through April 30, 2013.*

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

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

17

18 **Response) BRE 13-01 (Spot Coal Supply Solicitation)**

19 (a)

20 i. Date solicitation was issued: February 1, 2013. Date  
21 solicitation was returned: February 20, 2013.

22 ii. Type of solicitation: Spot March 15 – December 31, 2013,  
23 written bid solicitation (web-based distribution).

24 iii. Quantities solicited: Up to 150,000 tons per quarter.

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

- 1                   iv. Quality of coal solicited:
- 2                         1. BTU/lb.: 10,500 to 13,500;
- 3                         2. Ash %: 1.0 to 15.00;
- 4                         3. Moisture %: 10.00 to 12.00;
- 5                         4. Sulfur (lbs. SO<sub>2</sub>): 5.50 to 8.50.
- 6                   v. Time period over which deliveries were requested: Spot
- 7                         solicitation – by calendar quarter.
- 8                   vi. Generating units for which the coal was intended include:
- 9                         Coleman, Green, HMP&L Station Two, Reid, and Wilson.
- 10                 (b)
- 11                   i. Number of Vendors solicited: The coal solicitation was posted
- 12                         to Big Rivers' web site for supplier review, print-out, and
- 13                         written bid proposal submission. Big Rivers also notified coal
- 14                         and petroleum coke journals for industry notification of the
- 15                         placement of the solicitation on the website and referral to the
- 16                         web address for review and download. The website software
- 17                         captures unique visitors (which are counted only once,
- 18                         eliminating in the total count visitors who view the website
- 19                         multiple times). For Bid 13-01, there were 80 unique page
- 20                         views from February 1 through February 20, 2013. There
- 21                         were 36 new visitors and 44 returning visitors.
- 22
- 23

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

- 1                   ii. Responding vendors: Seven (7) vendors replied to the spot coal  
2                   supply solicitation.
- 3                   iii. Selected vendors:
- 4                   1. Foresight Coal – Within the Foresight Coal contract  
5                   there is an option for additional tonnage. The option  
6                   price for coal was compared to the bid alternatives and  
7                   found to be a competitive option for coal supply, via  
8                   barge, to Green and Wilson Stations (shared supply).  
9                   Foresight was notified pursuant to the terms of the coal  
10                  supply agreement for delivery of the optional tons to Big  
11                  Rivers.
- 12                  2. Oxbow Carbon & Minerals – Within the Oxbow Carbon  
13                  & Minerals spot contract there is was an option for  
14                  additional tonnage. The option price for petroleum coke  
15                  was compared to bid alternatives and found to be a  
16                  competitive option for solid fuel supply (blending with  
17                  coal) for Green and Wilson Stations (shared supply).  
18                  Oxbow was notified pursuant to the terms of the spot  
19                  petroleum coke supply agreement for delivery of the  
20                  optional tons to Big Rivers and an amendment was  
21                  completed to confirm the optional tonnage within the  
22                  spot contract.
- 23                  3. Winn Energy, LLC – Winn offered a small amount of  
24                  tonnage for test purposes from their surface mining

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

- 1 operation. The tonnage was accepted and contracted on  
2 a spot basis for test coal delivery to Big River's Green  
3 Station. Winn is seeking additional permitting of its  
4 coal reserves and has not had any additional available  
5 coal past the test volume.
- 6 4. Peabody CoalSales – Peabody CoalSales presented  
7 offers via truck and barge which were competitive for  
8 delivery and use at Big River's Green Station. The spot  
9 coal supply, via both modes of transportation, were  
10 selected and fulfilled the open position at Green Station  
11 for spot coal.
- 12 5. Alliance Coal – Not selected due to reasons specified  
13 under Notes section (Notes #8, #9, and #10) in the Bid  
14 Tabulation Sheet.
- 15 6. KenAmerican Resources – KenAmerican Resources  
16 provided a competitive bid offer of low cost, high quality,  
17 truck delivered fuel to Wilson Station with quality that  
18 would allow for blending with the option coal and  
19 petroleum coke denoted above, creating an overall lower  
20 cost of fuel for Wilson Station. This fulfilled the spot  
21 coal requirements for Wilson Station and closed the spot  
22 procurement activity under Bid 13-01.
- 23 iv. The bid tabulation sheet is being filed under a petition for  
24 confidential treatment.

**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 Witness) Mark W. McAdams

**DREC-13-01 Spot Coal Supply Bid Data  
2013**

The entire attachment to the response for PSC 1-19 is being filed under a petition for confidential treatment.





**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 20)** *List each oral coal supply solicitation issued during the*  
2 *period from November 1, 2012 through April 30, 2013.*

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. There was/were no oral solicitation(s) for coal supplies issued*  
19 *during the period from November 1, 2012, to April 30, 2013.*

20

21 *b. Not Applicable.*

22

23 **Witness)** Mark W. McAdams

24



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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 how Big Rivers addressed, for FAC reporting*  
7 *purposes, the cost of fuel expended to cover any line*  
8 *losses incurred to transmit its power across the third*  
9 *party's transmission system; and*

10 *(2) State the line loss factor used for each transaction*  
11 *and describe how that line loss factor was*  
12 *determined.*

13

14 **Response)**

15 a) Big Rivers had no intersystem sales during the period under  
16 review in which Big Rivers used a third party's transmission  
17 system.

18 b) Not Applicable.

19

20 **Witnesses)**

21 a. Michael J. Mattox

22 b.(1) Nicholas R. Castlen

23 b.(2) Michael J. Mattox

Case No. 2013-00266

Response to Staff Item 21

Witnesses: Michael J. Mattox [a. and b.(2)] and  
Nicholas R. Castlen [b.(1)]

Page 1 of 1



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 22)** *Describe each change that Big Rivers made to its methodology*  
2 *for calculating intersystem sales line losses during the period under*  
3 *review.*

4

5 **Response)** Big Rivers made no changes during the period under review to its  
6 methodology for calculating intersystem sales line losses.

7

8 **Witness)** Michael J. Mattox

9



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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 **Witness)** Mark W. McAdams

13





**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

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)** As for improving the efficiency of its power plant operations, Big  
6 Rivers has reduced the net heat rate of its generating fleet by 155 Btu/kWh during  
7 the period under review, from 10,860 in January 2013, to 10,705 Btu/kWh in April  
8 2013. The heat rate improvement has continued its downward trend as the fleet's  
9 net heat rate for July 2013 was 10,697 Btu/kWh.

10

11 **Witness)** Lawrence V. Baronowsky

12



BIG RIVERS ELECTRIC CORPORATION

AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266

Response to Commission Staff's Request for Information  
dated August 8, 2013

due August 29, 2013

1 **Item 25)** *Explain whether closures of coal mines due to decreased*  
2 *demand for coal could potentially lead to coal shortages that could affect*  
3 *reliability. Include in the explanation whether evidence of such a*  
4 *potential shortage exists today.*

5

6 **Response)** The recent closure of coal mining operations has occurred principally  
7 in the Central Appalachian region. Big Rivers currently procures its coal supply  
8 from the Illinois Basin, and intends for its future coal supply to be procured from  
9 the Illinois Basin. At this point in time, there are several new mining operations  
10 that have either been planned or are already in the process of opening which are  
11 proximate to Big Rivers. Big Rivers has experienced no shortfall in its recent coal  
12 supply solicitations which would indicate shortage or issues surrounding  
13 reliability. Big Rivers anticipates additional coal offers from the new mining  
14 facilities that are in process of opening and supplying coal.

15

16 **Witness)** Mark W. McAdams

17



**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 **Item 26)** *State whether any MISO costs were included in Big Rivers'*  
2 *monthly FAC filings during the period under review. If yes, provide the*  
3 *amount of the costs by month and by type of cost.*

4

5 **Response)** Yes, MISO costs were included in Big Rivers' monthly FAC filings  
6 during the period under review. All MISO costs included in Big Rivers' monthly  
7 FAC filings during the period under review were associated with the costs of  
8 Purchased Power. The detail and amounts of these purchases are provided each  
9 month on the Power Transaction Schedule in Big Rivers' monthly FAC Form B  
10 Filings. Please see the attachment to this response for the amount of these costs  
11 by month and by type of cost.

12

13 **Witness)** Nicholas R. Castlen

**Big Rivers Electric Corporation**  
**MISO Costs Included in Monthly FAC Filings**  
**November 2012 - April 2013**

**MISO Power Purchases for:**

	<b>Scheduled Outages</b>	<b>Unscheduled Outages &lt; 6 Hours</b>	<b>Unscheduled Outages &gt; 6 Hours</b>	<b>Available for System</b>	<b>Cover Load &amp; Lack of Generation</b>	<b>Domtar</b>	<b>Total</b>
Nov-12	\$ -	\$ -	\$ -	\$ 1,233,944	\$ -	\$ 584,916	\$ 1,818,860
Dec-12	\$ -	\$ -	\$ 52,787	\$ 1,988,892	\$ 76,328	\$ 516,572	\$ 2,634,579
Jan-13	\$ -	\$ -	\$ 74,976	\$ 1,984,505	\$ 132,150	\$ 504,037	\$ 2,695,668
Feb-13	\$ -	\$ -	\$ -	\$ 1,016,864	\$ 41,573	\$ 364,373	\$ 1,422,810
Mar-13	\$ -	\$ 16,616	\$ 131,789	\$ 2,397,518	\$ 268,730	\$ 513,733	\$ 3,328,386
Apr-13	\$ -	\$ -	\$ -	\$ 2,461,881	\$ 68,605	\$ 647,241	\$ 3,177,727
<b>Total</b>	\$ -	\$ 16,616	\$ 259,552	\$ 11,083,604	\$ 587,386	\$ 3,130,872	\$ 15,078,030

**Notes:**

The MISO costs passed through in the FAC are based solely on LMP costs associated with purchased power.

Costs associated with MISO purchases for Domtar back-up power are backed out of the recoverable fuel cost calculation in the monthly Form A Filings.





**BIG RIVERS ELECTRIC CORPORATION**

**AN EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM NOVEMBER 1, 2012 THROUGH APRIL 30, 2013  
CASE NO. 2013-00266**

**Response to Commission Staff's Request for Information  
dated August 8, 2013**

**due August 29, 2013**

1 *Item 27) Refer to Federal Energy Regulatory Commission Docket No.*  
2 *EL13-75-000 which involves Big Rivers. Provide a brief summary of this*  
3 *docket, the portion of the \$6,920,791 referenced in the docket that was*  
4 *contributed by Big Rivers, and how that portion was accounted for in Big*  
5 *Rivers' FAC.*

6

7 **Response)** After exhausting the processes to dispute a charge within MISO,  
8 certain Load Serving Entities (LSEs) in the MISO footprint, including Big Rivers,  
9 elected to file a Rule 206 complaint with the Federal Energy Regulatory  
10 Commission (FERC). Attached are the notice of complaint and the Executive  
11 Summary section of the complaint that were filed with FERC on July 2, 2013. The  
12 LSEs are seeking an order from FERC directing PJM to refund to MISO certain  
13 amounts that MISO incorrectly resettled to PJM and directing MISO to refund to  
14 its LSEs the amount refunded by MISO to PJM. If successful, Big Rivers' portion  
15 of the \$6,920,791 resettlement would be \$141,470 which represents 2.04% of the  
16 total resettlement. The initial \$141,470 charge, to Big Rivers, was not included in  
17 the Big Rivers' FAC and was not passed through the monthly FAC factor. The  
18 charges were billed by MISO to Big Rivers on MISO Invoices to Big Rivers dated  
19 November 20 and 27, 2012.

20

21 **Witness)** Michael J. Mattox

UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

Indicated Load-Serving Entities

v.

Docket No. EL13-75-000

Midcontinent Independent System  
Operator, Inc. and  
PJM Interconnection, L.L.C.

NOTICE OF COMPLAINT

(July 3, 2013)

Take notice that on July 2, 2013, the Indicated Load-Serving Entities, (Indicated LSEs or Complainants) within the Midcontinent Independent System Operator, Inc. (MISO) filed a formal complaint against MISO and PJM Interconnection, L.L.C. (PJM or Respondents), pursuant to sections 206, 306 and 309 of the Federal Power Act, 16 USC 824e, 825c, and 825h and 18 CFR 385.206 (2013), requesting that the Commission direct PJM to repay monies to MISO, and MISO in turn, to repay monies to the Indicated LSEs. The funds in question relate to an after-the-fact Market to Market resettlement, the costs of which are borne by the Indicated LSEs, under the MISO – PJM Joint Operating Agreement (JOA), as more fully described in Indicated LSEs' complaint.

The Indicated LSEs certify that copies of the complaint were served on the contacts for PJM and MISO as listed on the Commission's list of Corporate Officials.

Any person desiring to intervene or to protest this filing must file in accordance with Rules 211 and 214 of the Commission's Rules of Practice and Procedure (18 CFR 385.211, 385.214). Protests will be considered by the Commission in determining the appropriate action to be taken, but will not serve to make protestants parties to the proceeding. Any person wishing to become a party must file a notice of intervention or motion to intervene, as appropriate. The Respondent's answer and all interventions, or protests must be filed on or before the comment date. The Respondent's answer, motions to intervene, and protests must be served on the Complainants.

Docket No. EL13-75-000

-2-

The Commission encourages electronic submission of protests and interventions in lieu of paper using the “eFiling” link at <http://www.ferc.gov>. Persons unable to file electronically should submit an original and 5 copies of the protest or intervention to the Federal Energy Regulatory Commission, 888 First Street, NE, Washington, DC 20426.

This filing is accessible on-line at <http://www.ferc.gov>, using the “eLibrary” link and is available for review in the Commission’s Public Reference Room in Washington, DC. There is an “eSubscription” link on the web site that enables subscribers to receive email notification when a document is added to a subscribed docket(s). For assistance with any FERC Online service, please email [FERCOnlineSupport@ferc.gov](mailto:FERCOnlineSupport@ferc.gov), or call (866) 208-3676 (toll free). For TTY, call (202) 502-8659.

Comment Date: 5:00 pm Eastern Time on July 22, 2013.

Kimberly D. Bose,  
Secretary.

Document Content(s)

EL13-75-000complaint.DOC.....1-2

**UNITED STATES OF AMERICA  
BEFORE THE  
FEDERAL ENERGY REGULATORY COMMISSION**

Indicated Load-Serving Entities	)	
	)	
Complainants,	)	
	)	
v.	)	
	)	
Midcontinent Independent System Operator, Inc.	)	Docket No. EL13-___-000
	)	
and	)	
	)	
PJM Interconnection, L.L.C.	)	
	)	
Respondents.	)	
	)	

**COMPLAINT OF  
INDICATED LOAD-SERVING ENTITIES**

Pursuant to Sections 206, 306 and 309 of the Federal Power Act (“FPA”)<sup>1</sup> and Rule 206 of the Federal Energy Regulatory Commission’s (“FERC” or the “Commission”) Rules of Practice and Procedure<sup>2</sup>, certain Indicated Load-Serving Entities<sup>3</sup> (“Indicated LSEs”)

<sup>1</sup> 16 U.S.C. § 824e, § 825e and § 825h (2006).

<sup>2</sup> 18 C.F.R. § 206 (2013).

<sup>3</sup> The Indicated LSEs consist of Ameren Services Company, Big Rivers Electric Corporation, Consumers Energy Company, Dairyland Power Cooperative, DTE Electric Company, Hoosier Energy Rural Electric Cooperative, Indianapolis Power & Light Co., Integrys Business Support, LLC (as agent for Wisconsin Public Service Corp. and Upper Peninsula Power), Madison Gas and Electric Company, Northern Indiana Public Service Company, Southern Minnesota Municipal Power Agency, Southern Indiana Gas & Electric Company (d/b/a Vectren Energy Delivery of Indiana), Wisconsin Electric Power Co., Wolverine Power Supply Cooperative, and Xcel Energy Services Inc., on behalf of Northern States Power Company (Minnesota) and Northern States Power Company (Wisconsin).

respectfully submit this Complaint against the Midcontinent Independent System Operator, Inc. (“MISO”)<sup>4</sup> and PJM Interconnection, L.L.C. (“PJM”).

## I. EXECUTIVE SUMMARY

This Complaint seeks the return of \$6,920,791<sup>5</sup> to MISO load-serving-entities (“LSEs”), where MISO improperly “resettled” Market-to-Market (“M2M”) payments under the MISO-PJM Joint Operating Agreement (“JOA”)<sup>6</sup> and Attachment 3 to the JOA (“Interregional Coordination Process”), notwithstanding the fact that PJM’s flows over the relevant flowgates substantially exceeded PJM’s Firm Flow Entitlements (“FFE”) on those flowgates in real-time during June and July 2012. The relief requested herein is supported by the MISO Independent Market Monitor (“IMM”), and the IMM’s legal counsel.<sup>7</sup> The Indicated LSEs respectfully submit that MISO properly invoked the M2M Process and Settlements under the JOA with respect to at least two Reciprocal Coordinated Flowgates (“RCFs”) in MISO – known as the “Beaver Channel” flowgates - between June 16, 2012 and July 19, 2012.<sup>8</sup> It bears emphasis that, in real-time, PJM’s flows over the relevant flowgates substantially exceeded PJM’s FFE on the flowgates.

In coordination with PJM, and as governed by the JOA, MISO redispatched its system during this period to accommodate the increased PJM flows. MISO load was burdened by

---

<sup>4</sup> Effective April 26, 2013, MISO has amended its Certificate of Incorporation on file with the State of Delaware to reflect a change in its legal entity name from “Midwest Independent Transmission System Operator, Inc.” to “Midcontinent Independent System Operator, Inc.”

<sup>5</sup> For ease of reference, the text of the complaint routinely references \$6.9 million as the amount at issue, but the exact resettlement amount is \$6,920,791. *See* Attachment B, MISO Responses at 1.

<sup>6</sup> The “Joint Operating Agreement Between the Midwest Independent Transmission System Operator, Inc. and PJM Interconnection, L.L.C.” The Midwest Independent Transmission System Operator, Inc. has recently renamed itself the Midcontinent Independent System Operator, Inc.

<sup>7</sup> *See* Attachment B, IMM materials and accompanying legal memorandum.

<sup>8</sup> The two RCFs are Beaver Channel to Albany for the loss of the Salem line (the Salem constraint) and Beaver Channel to Albany for the loss of Cordova-Nelson 345 kV line (the Nelson constraint). *See* Attachment B, IMM materials at 2-3.

increased costs due to this real-time redispatch because MISO's use of the transmission system was limited to allow the excess PJM market flow. This cost burden was properly relieved through the M2M settlement process as provided by the JOA. In November 2012, however, MISO incorrectly refunded the M2M settlement dollars (approximately \$6.9 million) to PJM for this set of constraints and time period. The MISO refund to PJM improperly shifted the cost to load in MISO, and costs were billed to, *inter alia*, the Indicated LSEs through the MISO resettlement process and the Revenue Neutrality Uplift ("RNU") charge type under the MISO Tariff.

The question presented by the Regional Transmission Organization's ("RTO") actions is whether certain sections contained within the JOA, and in particular certain parts of Section 8 of the Interregional Coordination Process, provided PJM the right, and MISO the authority, to recalculate the M2M payments properly assigned to PJM in these circumstances. As demonstrated below, the relevant provisions of Attachment 3 to the JOA did not provide MISO and PJM the right to take these actions. Nor do other sections of the JOA provide support for such actions. As such, the MISO resettlement payment to PJM should be corrected.

Specifically, MISO's and PJM's actions run contrary to:

(i) the filed rate, in this case the terms of the JOA, in that MISO provided for a full resettlement (*i.e.*, refund to PJM) of \$6.9 million, where PJM was far in excess of its FFE in real-time (*see* Section V.A, *infra*);

(ii) the plain language of the JOA and associated course of conduct between the RTOs regarding the difference between commitment and dispatch (*see* Section V.B, *infra*);

(iii) the plain language of the sections of the JOA principally relied upon by MISO (*see* Section V.C.1, *infra*);

(iv) extrinsic material concerning the operation and meaning of the JOA (*see* Section V.C.2, *infra*);

(v) other sections of the JOA specifying when after-the-fact review can be invoked (*see* Section V.D, *infra*);

(vi) equitable considerations in light of the fact that PJM significantly exceeded its FFE over the Beaver Channel RCFs during the timeframe in question (*see* Section V.E, *infra*);

(vii) the shadow price feature of the JOA, where PJM saw the MISO shadow price, and yet continued to flow in excess of its FFE (*see* Section V.F, *infra*); and

(viii) prior statements from PJM concerning the ability for one RTO to be compensated by load in the other RTO for mistakes (*see* Section V.G, *infra*);

As a result of these JOA violations and MISO's action in inappropriately resettling in November 2012 (refunding to PJM certain M2M payments owed by PJM to MISO) MISO load was required to pay approximately \$6.9 million more than required under the JOA. Indicated LSEs seek an order from the Commission: (1) confirming that the JOA (*i.e.*, the filed rate) was violated; (2) directing PJM to refund to MISO the amounts of the M2M payments which MISO incorrectly resettled to PJM; and (3) directing MISO to refund to its LSEs the amount refunded by PJM to MISO.

## II. CORRESPONDENCE AND COMMUNICATIONS

The Indicated LSEs are a group of sixteen MISO LSEs comprising approximately 60 percent of MISO's overall load. Correspondence and communication information for the Indicated LSEs is contained at Attachment D.