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RECEIVED
FEB 28 2014
PUBLIC SERVICE
COMMISSION

Your Touchstone Energy® Cooperative 

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

In the Matter of:

**AN EXAMINATION OF THE APPLICATION
OF THE FUEL ADJUSTMENT CLAUSE
OF BIG RIVERS ELECTRIC CORPORATION
FROM
MAY 1, 2013 THROUGH OCTOBER 31, 2013**

)
) **Case No. 2013-00449**
)

**Responses to Commission Staff's Request for Information
dated
February 7, 2014**

FILED: February 28, 2014

ORIGINAL

SULLIVAN, MOUNTJOY, STAINBACK & MILLER PSC
ATTORNEYS AT LAW

Ronald M. Sullivan
Jesse T. Mountjoy
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Michael A. Fiorella
Allen W. Holbrook
R. Michael Sullivan
Bryan R. Reynolds
Tyson A. Kamuf
Mark W. Starnes
C. Ellsworth Mountjoy
Susan Montalvo-Gesser

February 27, 2014

Via Federal Express

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

RECEIVED

FEB 28 2014

PUBLIC SERVICE
COMMISSION

Re: In the Matter of: An Examination of the Application of the
Fuel Adjustment Clause of Big Rivers Electric Corporation
from May 1, 2013 Through October 31, 2013, Public Service
Commission, Case No. 2013-00449

Dear Mr. DeRouen:

Enclosed for filing on behalf of Big Rivers Electric Corporation ("Big Rivers") are (i) an original and ten copies of Big Rivers' responses to the request for information contained in the appendix to the Public Service Commission's February 7, 2014, Order in the above referenced matter, and (ii) a petition for confidential treatment.

Please call if you have questions.

Sincerely,



Tyson Kamuf
Counsel for Big Rivers Electric Corporation

TAK/ej
Enclosures

cc: Billie Richert
DeAnna Speed

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

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

VERIFICATION

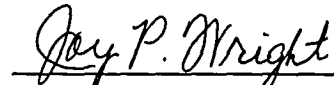
I, Lawrence V. (Larry) Baronowsky, verify, state, and affirm that the data request responses filed with this verification for which I am listed as a witness are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.



Lawrence V. (Larry) Baronowsky

COMMONWEALTH OF KENTUCKY)
COUNTY OF HENDERSON)

SUBSCRIBED AND SWORN TO before me by Lawrence V. (Larry)
Baronowsky on this the 17 day of February, 2014.



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 MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

VERIFICATION

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



Nicholas R. (Nick) Castlen

COMMONWEALTH OF KENTUCKY)
COUNTY OF HENDERSON)

SUBSCRIBED AND SWORN TO before me by Nicholas R. (Nick) Castlen on
this the 17 day of February, 2014.



Notary Public, Ky. State at Large
My Commission Expires _____

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

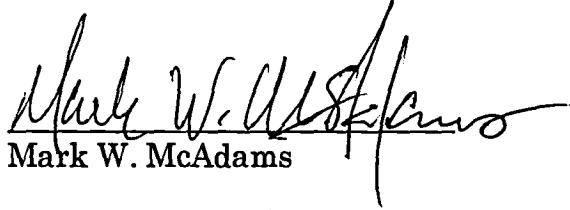


BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

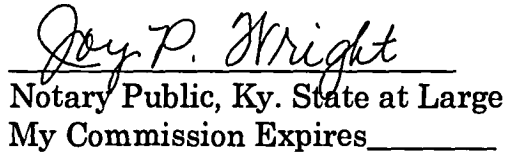
VERIFICATION

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
17 day of February, 2014.


Notary Public, Ky. State at Large
My Commission Expires _____

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

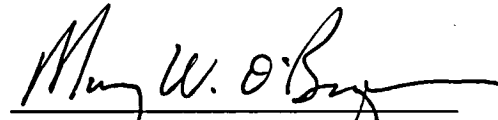


BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT
CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**


VERIFICATION

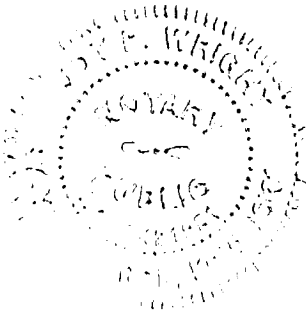
I, Murray W. (Wayne) O'Bryan, verify, state, and affirm that the data request responses filed with this verification for which I am listed as a witness are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.


Murray W. (Wayne) O'Bryan

COMMONWEALTH OF KENTUCKY)
COUNTY OF HENDERSON)

SUBSCRIBED AND SWORN TO before me by Murray W. (Wayne) O'Bryan
on this the 17 day of February, 2014.


Notary Public, Ky. State at Large
My Commission Expires _____



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

ORIGINAL



Your Touchstone Energy® Cooperative 

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

In the Matter of:

**AN EXAMINATION OF THE APPLICATION)
OF THE FUEL ADJUSTMENT CLAUSE)
OF BIG RIVERS ELECTRIC CORPORATION) Case No. 2013-00449
FROM)
MAY 1, 2013 THROUGH OCTOBER 31, 2013)**

**Responses to Commission Staff's Request for Information
dated
February 7, 2014**

FILED: February 28, 2014

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BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 1)** *For the period from May 1, 2013, through October 31, 2013, list*
2 *each vendor from whom coal was purchased and the quantities and the*
3 *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 below.

9

Purchase Vendor	Fuel Type	Purchase Tonnage	Contract Type
Alliance Coal	Coal	346,553.01	Contract
Alliance Coal	Coal	208,729.70	Spot
Armstrong Coal	Coal	215,119.45	Contract
ExxonMobil	Pet Coke	121,750.08	Spot
Foresight Coal Sales	Coal	300,788.36	Spot
KenAmerican Resources	Coal	378,382.14	Spot
Oxbow Carbon & Minerals	Pet Coke	48,134.67	Spot
Patriot Coal Sales	Coal	297,851.30	Contract
Peabody Coal Sales	Coal	217,876.88	Spot
Sebree Mining, LLC	Coal	429,576.64	Contract
TCP Pet Coke	Pet Coke	60,343.75	Spot
Winn Energy	Coal	4,349.72	Spot
Yager Materials	Coal	1,775.00	Spot
Total Tonnage		2,631,230.70	
Percentage Spot Purchase Tons		55.21%	
Percentage Contract Purchase Tons		44.79%	
Percentage Total Purchase Tons		100.00%	

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

11

12 **Witness)** Mark W. McAdams

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 2)** *For the period from May 1, 2013, through October 31, 2013, list*
2 *each vendor from whom natural gas was purchased for generation and*
3 *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 below. Big Rivers purchased natural gas
8 from Atmos Energy under Atmos' tariff-based Interruptible Sales Service (G-2) –
9 Industrial and Billing Rate Code 11 WD. This tariff is on file with the Kentucky
10 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

<u>Purchase Vendor</u>	<u>Fuel Type</u>	<u>MCF</u>	<u>Contract Type</u>
Atmos Energy	Natural Gas	41,485.7	Tariff based G-2 (Contract)
NJR Energy, LLC	Natural Gas	23,229.0	Spot
Tenaska Marketing Ventures	Natural Gas	1,252.0	Spot

20

21 **Witness)** Wayne O'Bryan



BIG RIVERS ELECTRIC CORPORATION

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FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

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

4

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

7

8

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

11

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 4) For each generating station or unit for which a separate coal**
2 **pile is maintained, state, for the period from May 1, 2013, through October**
3 **31, 2013, the actual amount of coal burned in tons, the actual amount of**
4 **coal deliveries in tons, the total kWh generated, and the actual capacity**
5 **factor at which the plant operated.**

6

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

12 **Big Rivers notes that 575,789,000 kWhs of Coleman Generation was**
13 **excluded from its Fuel Adjustment Clause ("FAC") beginning August 20, 2013.**
14 **The net jurisdictional kWhs generated by all units during the period under review**
15 **is 5,093,934,227. Also beginning August 20, 2013, Big Rivers excluded 276,003.85**
16 **tons of Coleman coal from its FAC. The net jurisdictional tons burned by all units,**
17 **during the period under review, was 2,328,868.95. The full amount of Coleman**
18 **tons received and burned is shown on Big Rivers' monthly Form B filings, but the**
19 **burn from August 20, 2013, forward is shown in a non-jurisdictional line and is**
20 **excluded from its Form A filing.**

21

BIG RIVERS ELECTRIC CORPORATION

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February 28, 2014

1

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)	10,939.35	7,134.55	12,323,750	4.29%
Station Two (Coal) ¹	315,491.52	324,203.45	707,308,350	73.65%
Green Station (Coal)	653,580.59	649,491.19	1,756,038,212	87.59%
Green Station (Pet Coke) ²	158,577.00	146,895.15		
Coleman Station (Coal)	724,400.42	766,651.30	1,523,783,000	77.89%
Wilson Station (Coal)	639,006.92	653,521.71	1,670,269,915	90.70%
Wilson Station (Pet Coke) ²	102,877.00	83,333.35		

1. Net of City of Henderson. City of Henderson generation take was 307,479,000 kWhs.
2. Net kWh and Capacity Factor include energy from burning Coal and Pet Coke.

2

3

4 **Witness)** Mark W. McAdams

5

6



BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 5)** *List all firm power commitments for Big Rivers from May 1,*
2 *2013, through October 31, 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,
9 energy for system. A force majeure, previously declared by
10 SEPA for this contract due to dam safety issues at Wolf Creek
11 and Center Hill dams on the Cumberland System, remains in
12 effect. Currently SEPA is providing a run-of-the-river schedule
13 that Big Rivers has the right to refuse.

14
15 Additional purchases are shown on the table which follows.
16 Please note, the purchases listed were made to support firm Off-
17 System Sales and were not passed through the Fuel Adjustment
18 Clause.

19

Big Rivers Electric Corporation Power Purchases May 1, 2013, through October 31, 2013			
Date	Electric Utility	MW Commitment	Purpose
Jul-13	Cargill	50 MWs – Off-Peak - 18,800 total	Off-System Sales
Aug-13	Cargill	30 MWs – On-Peak - 10,560 total	Off-System Sales

20

BIG RIVERS ELECTRIC CORPORATION

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CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1
2
3

(b) Sales:

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

Big Rivers Electric Corporation Firm Off-System Sales May 1, 2013, through October 31, 2013			
Date	Electric Utility	MW Commitment	Purpose
May-13	Cargill	50 MWs - 7 x 24 - 37,200 total	Off-System Sales
Jun-13	Cargill	50 MWs - 7 x 24 - 36,000 total	Off-System Sales
Jul-13	Cargill	100 MWs - 7 x 24 - 74,400 total	Off-System Sales
Aug-13	Cargill	100 MWs - 7 x 24 - 74,400 total	Off-System Sales
Sep-13	Cargill	50 MWs - 7 x 24 - 36,000 total	Off-System Sales
Oct-13	Cargill	50 MWs - 7 x 24 - 37,200 total	Off-System Sales

4
5
6
7

Witness) Wayne O'Bryan

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 6)** *Provide a monthly billing summary of sales to all electric*
2 *utilities for the period May 1, 2013, through October 31, 2013.*

3

4 **Response)** Please see the attached monthly billing summaries for sales to all
5 electric utilities for the period May 1, 2013, through October 31, 2013.

6

7

8 **Witness)** Nicholas R. Castlen

9

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

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 MAY 2013							
2							
3 JP RURALS	110,435	48,089,740	\$ 1,070,888.20	\$ 1,429,996.51	\$ 2,500,884.71	\$ -	\$ -
4 KENERGY RURALS	197,284	84,985,000	\$ 1,913,062.95	\$ 2,527,113.96	\$ 4,440,176.91	\$ -	\$ -
5 MEADE CO. RURALS	71,411	31,432,200	\$ 692,472.47	\$ 934,667.90	\$ 1,627,140.37	\$ -	\$ -
6							
7 TOTAL RURALS	379,130.00	164,506,940.00	\$ 3,676,423.62	\$ 4,891,778.37	\$ 8,568,201.99	\$ -	\$ -
8							
9 KI-ACCURIDE	5,080	2,361,538	\$ 53,340.00	\$ 57,876.57	\$ 111,216.57	\$ -	\$ -
10 KI-ALCOA	139	82,950	\$ 1,459.50	\$ 2,032.94	\$ 3,492.44	\$ 1,911.00	\$ -
11 KI-ALERIS	27,367	15,787,060	\$ 287,353.50	\$ 386,909.27	\$ 674,262.77	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,001	612,910	\$ 21,010.50	\$ 15,021.20	\$ 36,031.70	\$ -	\$ -
13 KI-ARMSTRONG - DOCK	9,293	3,919,200	\$ 97,576.50	\$ 96,051.75	\$ 193,628.25	\$ -	\$ 8,371.51
14 KI-ARMSTRONG - EQUALITY	3,087	1,438,810	\$ 32,413.50	\$ 35,262.36	\$ 67,675.86	\$ -	\$ 3,533.53
15 KI-ARMSTRONG - LEWIS	3,500	665,400	\$ 36,750.00	\$ 16,307.62	\$ 53,057.62	\$ -	\$ 1,445.34
16 KI-ARMSTRONG - MIDWAY	4,750	2,440,293	\$ 49,875.00	\$ 59,806.70	\$ 109,681.70	\$ -	\$ -
17 KI-DOMTAR PAPER CO.	35,000	26,034,263	\$ 367,500.00	\$ 638,047.72	\$ 1,005,547.72	\$ -	\$ -
18 KI-DOTIKI #3	173	70,630	\$ 1,816.50	\$ 1,731.00	\$ 3,547.50	\$ 126.00	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	402,050	\$ 7,875.00	\$ 9,853.44	\$ 17,728.44	\$ -	\$ -
20 KI-HOPKINS CO. COAL	378	142,398	\$ 3,969.00	\$ 3,489.89	\$ 7,458.89	\$ -	\$ -
21 KI-KIMBERLY-CLARK	37,800	23,914,540	\$ 396,900.00	\$ 586,097.55	\$ 982,997.55	\$ -	\$ -
22 KI-PATRIOT COAL, LP	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
23 KI-PRECOAT	3,523	1,429,250	\$ 36,991.50	\$ 35,028.06	\$ 72,019.56	\$ -	\$ -
24 KI-SEBREE MINING-KMMC	107	33,580	\$ 1,123.50	\$ 822.98	\$ 1,946.48	\$ 42.00	\$ -
25 KI-SEBREE MINING-STEAMPORT-ALLIED	7,839	2,950,380	\$ 82,309.50	\$ 72,307.91	\$ 154,617.41	\$ -	\$ -
26 KI-SOUTHWIRE CO.	7,023	4,275,050	\$ 73,741.50	\$ 104,772.93	\$ 178,514.43	\$ -	\$ -
27 KI-TYSON FOODS	11,048	6,314,620	\$ 116,004.00	\$ 154,758.71	\$ 270,762.71	\$ -	\$ -
28 KI-VALLEY GRAIN	2,035	1,089,260	\$ 21,367.50	\$ 26,695.58	\$ 48,063.08	\$ 2,667.00	\$ -
29							
30 SUBTOTAL INDUSTRIALS	160,893.00	93,964,182.00	\$ 1,689,376.50	\$ 2,302,874.18	\$ 3,992,250.68	\$ 4,746.00	\$ 13,350.38
31							
32 JPI-SHELL OIL	1,933.00	637,250.00	\$ 20,296.50	\$ 15,617.72	\$ 35,914.22	\$ -	\$ -
33							
34 TOTAL INDUSTRIALS	162,826.00	94,601,432.00	\$ 1,709,673.00	\$ 2,318,491.90	\$ 4,028,164.90	\$ 4,746.00	\$ 13,350.38
35							
36							
37 GRAND TOTAL	541,956.00	259,108,372.00	\$ 5,386,096.62	\$ 7,210,270.27	\$ 12,596,366.89	\$ 4,746.00	\$ 13,350.38
38							

Case No. 2013-00449

Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

Page 1 of 42

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

	PSC BILLING ADJ ¹	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$
1 MAY 2013							
2							
3 JP RURALS	\$ 74,927.61	\$ 2,500,884.71	\$ 12.63	\$ 2,500,897.34	\$ 171,343.74	3.56	\$ 128,778.98
4 KENERGY RURALS	\$ 135,472.60	\$ 4,440,176.91	\$ -	\$ 4,440,176.91	\$ 302,801.56	3.56	\$ 228,596.57
5 MEADE CO. RURALS	\$ 53,950.58	\$ 1,627,140.37	\$ -	\$ 1,627,140.37	\$ 111,992.93	3.56	\$ 83,802.61
6							
7 TOTAL RURALS	\$ 264,350.79	\$ 8,568,201.99	\$ 12.63	\$ 8,568,214.62	\$ 586,138.23	3.56	\$ 441,178.16
8							
9 KI-ACCURIDE	\$ 21.47	\$ 111,216.57		\$ 111,216.57	\$ 8,414.16	3.56	\$ 5,751.21
10 KI-ALCOA	\$ 0.89	\$ 5,403.44		\$ 5,403.44	\$ 295.55	3.56	\$ 181.56
11 KI-ALERIS	\$ 142.97	\$ 674,262.77		\$ 674,262.77	\$ 56,249.29	3.56	\$ 35,027.54
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 5.82	\$ 36,031.70		\$ 36,031.70	\$ 2,183.80	3.56	\$ 1,846.68
13 KI-ARMSTRONG - DOCK	\$ 28.48	\$ 201,999.76		\$ 201,999.76	\$ 13,964.11	3.56	\$ 9,991.92
14 KI-ARMSTRONG - EQUALITY	\$ 13.86	\$ 71,209.39		\$ 71,209.39	\$ 5,126.48	3.56	\$ 3,499.84
15 KI-ARMSTRONG - LEWIS	\$ 2.98	\$ 54,502.96		\$ 54,502.96	\$ 2,370.82	3.56	\$ 2,693.45
16 KI-ARMSTRONG - MIDWAY	\$ 18.41	\$ 109,681.70		\$ 109,681.70	\$ 8,694.76	3.56	\$ 5,683.97
17 KI-DOMTAR PAPER CO.	\$ 118.01	\$ 1,005,547.72		\$ 1,005,547.72	\$ 92,760.08	3.56	\$ 52,508.99
18 KI-DOTIKI #3	\$ 4.36	\$ 3,673.50		\$ 3,673.50	\$ 251.65	3.56	\$ 182.94
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ -	\$ 17,728.44		\$ 17,728.44	\$ 1,432.50	3.56	\$ 919.56
20 KI-HOPKINS CO. COAL	\$ 1.48	\$ 7,458.89		\$ 7,458.89	\$ 507.36	3.56	\$ 383.97
21 KI-KIMBERLY-CLARK	\$ 244.78	\$ 982,997.55		\$ 982,997.55	\$ 85,207.51	3.56	\$ 51,164.07
22 KI-PATRIOT COAL, LP	\$ -	\$ -		\$ -	\$ -	0.00	\$ -
23 KI-PRECOAT	\$ 13.48	\$ 72,019.56		\$ 72,019.56	\$ 5,092.42	3.56	\$ 3,713.37
24 KI-SEBREE MINING-KMMC	\$ 0.54	\$ 1,988.48		\$ 1,988.48	\$ 119.65	3.56	\$ 99.81
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 27.50	\$ 154,617.41		\$ 154,617.41	\$ 10,512.20	3.56	\$ 7,959.29
26 KI-SOUTHWIRE CO.	\$ 40.83	\$ 178,514.43		\$ 178,514.43	\$ 15,232.00	3.56	\$ 9,284.10
27 KI-TYSON FOODS	\$ 55.66	\$ 270,762.71		\$ 270,762.71	\$ 22,498.99	3.56	\$ 14,063.24
28 KI-VALLEY GRAIN	\$ 9.84	\$ 50,730.08		\$ 50,730.08	\$ 3,881.03	3.56	\$ 2,492.92
29							
30 SUBTOTAL INDUSTRIALS	\$ 751.36	\$ 4,010,347.06	\$ -	\$ 4,010,347.06	\$ 334,794.36	3.56	\$ 207,448.43
31							
32 JPI-SHELL OIL	\$ 4.08	\$ 35,914.22		\$ 35,914.22	\$ 2,270.52	3.56	\$ 1,843.53
33							
34 TOTAL INDUSTRIALS	\$ 755.44	\$ 4,046,261.28	\$ -	\$ 4,046,261.28	\$ 337,064.88	3.56	\$ 209,291.96
35							
36							
37 GRAND TOTAL	\$ 265,106.23	\$ 12,614,463.27	\$ 12.63	\$ 12,614,475.90	\$ 923,203.11	3.56	\$ 650,470.12
38							

¹ Billing adjustment related to Case No. 2011-00036 rehearing. Additional \$1,355,168.61 authorized to be billed to members over period March 2013 - July 2013. The total \$1,355,168.61 was recognized as revenue in February 2013 (the month the order was received). Accordingly, these amounts are not included in reported revenue during the months of March 2013 through July 2013.

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

	ES MILLS/ KWH	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$
1 MAY 2013							
2							
3 JP RURALS	2.68	\$ (160,090.74)	(3.33)	\$ (50,061.42)	\$ (15,196.36)	(1.04)	\$ 2,575,671.54
4 KENERGY RURALS	2.69	\$ (282,915.07)	(3.33)	\$ (88,469.39)	\$ (26,855.26)	(1.04)	\$ 4,573,335.32
5 MEADE CO. RURALS	2.67	\$ (104,637.79)	(3.33)	\$ (32,720.92)	\$ (9,932.58)	(1.04)	\$ 1,675,644.62
6							
7 TOTAL RURALS	2.68	\$ (547,643.60)	(3.33)	\$ (171,251.73)	\$ (51,984.20)	(1.04)	\$ 8,824,651.48
8							
9 KI-ACCURIDE	2.44	\$ (7,861.56)	(3.33)	\$ (2,458.36)	\$ (746.25)	(1.04)	\$ 114,315.77
10 KI-ALCOA	2.19	\$ (276.14)	(3.33)	\$ (86.35)	\$ (26.21)	(1.04)	\$ 5,491.85
11 KI-ALERIS	2.22	\$ (52,555.12)	(3.33)	\$ (16,434.33)	\$ (4,988.71)	(1.04)	\$ 691,561.44
12 KI-AMG ALUMINUM NORTH AMERICA	3.01	\$ (2,040.38)	(3.33)	\$ (638.04)	\$ (193.68)	(1.04)	\$ 37,190.08
13 KI-ARMSTRONG - DOCK	2.55	\$ (13,047.02)	(3.33)	\$ (4,079.89)	\$ (1,238.47)	(1.04)	\$ 207,590.41
14 KI-ARMSTRONG - EQUALITY	2.43	\$ (4,789.80)	(3.33)	\$ (1,497.80)	\$ (454.66)	(1.04)	\$ 73,093.45
15 KI-ARMSTRONG - LEWIS	4.05	\$ (2,215.12)	(3.33)	\$ (692.68)	\$ (210.27)	(1.04)	\$ 56,449.16
16 KI-ARMSTRONG - MIDWAY	2.33	\$ (8,123.74)	(3.33)	\$ (2,540.35)	\$ (771.13)	(1.04)	\$ 112,625.21
17 KI-DOMTAR PAPER CO.	2.02	\$ (86,668.06)	(3.33)	\$ (27,101.67)	\$ (8,226.83)	(1.04)	\$ 1,028,820.23
18 KI-DOTIKI #3	2.59	\$ (235.13)	(3.33)	\$ (73.53)	\$ (22.32)	(1.04)	\$ 3,777.11
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	2.29	\$ (1,338.42)	(3.33)	\$ (418.53)	\$ (127.05)	(1.04)	\$ 18,196.50
20 KI-HOPKINS CO. COAL	2.70	\$ (474.04)	(3.33)	\$ (148.24)	\$ (45.00)	(1.04)	\$ 7,682.94
21 KI-KIMBERLY-CLARK	2.14	\$ (79,611.50)	(3.33)	\$ (24,895.04)	\$ (7,556.99)	(1.04)	\$ 1,007,305.60
22 KI-PATRIOT COAL, LP	0.00	\$ -	0.00	\$ -	\$ -	0.00	\$ -
23 KI-PRECOAT	2.60	\$ (4,757.97)	(3.33)	\$ (1,487.85)	\$ (451.64)	(1.04)	\$ 74,127.89
24 KI-SEBREE MINING-KMMC	2.97	\$ (111.79)	(3.33)	\$ (34.96)	\$ (10.61)	(1.04)	\$ 2,050.58
25 KI-SEBREE MINING-STEAMPORT-ALLIED	2.70	\$ (9,821.82)	(3.33)	\$ (3,071.35)	\$ (932.32)	(1.04)	\$ 159,263.41
26 KI-SOUTHWIRE CO.	2.17	\$ (14,231.64)	(3.33)	\$ (4,450.33)	\$ (1,350.92)	(1.04)	\$ 182,997.64
27 KI-TYSON FOODS	2.23	\$ (21,021.37)	(3.33)	\$ (6,573.52)	\$ (1,995.42)	(1.04)	\$ 277,734.63
28 KI-VALLEY GRAIN	2.29	\$ (3,626.15)	(3.33)	\$ (1,133.92)	\$ (344.21)	(1.04)	\$ 51,999.75
29							
30 SUBTOTAL INDUSTRIALS	2.21	\$ (312,806.77)	(3.33)	\$ (97,816.74)	\$ (29,692.69)	(1.04)	\$ 4,112,273.65
31							
32 JPI-SHELL OIL	2.89	\$ (2,121.41)	(3.33)	\$ (663.38)	\$ (201.37)	(1.04)	\$ 37,042.11
33							
34 TOTAL INDUSTRIALS	2.21	\$ (314,928.18)	(3.33)	\$ (98,480.12)	\$ (29,894.06)	(1.04)	\$ 4,149,315.76
35							
36							
37 GRAND TOTAL	2.51	\$ (862,571.78)	(3.33)	\$ (269,731.85)	\$ (81,878.26)	(1.04)	\$ 12,973,967.24
38							

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

	REVENUE MILLS/ KWH	MRSM \$	MRSM MILLS/ KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/ KWH
1 MAY 2013					
2					
3 JP RURALS	53.56	\$ (342,585.96)	(7.12)	\$ 2,308,013.19	47.99
4 KENERGY RURALS	53.81	\$ (606,439.88)	(7.14)	\$ 4,102,368.04	48.27
5 MEADE CO. RURALS	53.31	\$ (223,550.18)	(7.11)	\$ 1,506,045.02	47.91
6					
7 TOTAL RURALS	53.64	\$ (1,172,576.02)	(7.13)	\$ 7,916,426.25	48.12
8					
9 KI-ACCURIDE	48.41	\$ (16,250.61)	(6.88)	\$ 98,086.63	41.54
10 KI-ALCOA	66.21	\$ (550.36)	(6.63)	\$ 4,942.38	59.58
11 KI-ALERIS	43.81	\$ (105,216.81)	(6.66)	\$ 586,487.60	37.15
12 KI-AMG ALUMINUM NORTH AMERICA	60.68	\$ (4,571.68)	(7.46)	\$ 32,624.22	53.23
13 KI-ARMSTRONG - DOCK	52.97	\$ (27,416.68)	(7.00)	\$ 180,202.21	45.98
14 KI-ARMSTRONG - EQUALITY	50.80	\$ (9,896.79)	(6.88)	\$ 63,210.52	43.93
15 KI-ARMSTRONG - LEWIS	84.83	\$ (5,651.81)	(8.49)	\$ 50,800.33	76.35
16 KI-ARMSTRONG - MIDWAY	46.15	\$ (16,533.50)	(6.78)	\$ 96,110.12	39.38
17 KI-DOMTAR PAPER CO.	39.52	\$ (168,257.32)	(6.46)	\$ 860,680.92	33.06
18 KI-DOTIKI #3	53.48	\$ (496.95)	(7.04)	\$ 3,284.52	46.50
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	45.26	\$ (2,707.07)	(6.73)	\$ 15,489.43	38.53
20 KI-HOPKINS CO. COAL	53.95	\$ (1,017.07)	(7.14)	\$ 6,667.35	46.82
21 KI-KIMBERLY-CLARK	42.12	\$ (157,488.12)	(6.59)	\$ 850,062.26	35.55
22 KI-PATRIOT COAL, LP	-	\$ -	0.00	\$ -	0.00
23 KI-PRECOAT	51.86	\$ (10,067.82)	(7.04)	\$ 64,073.55	44.83
24 KI-SEBREE MINING-KMMC	61.07	\$ (249.11)	(7.42)	\$ 1,802.01	53.66
25 KI-SEBREE MINING-STEAMPORT-ALLIED	53.98	\$ (21,076.67)	(7.14)	\$ 138,214.24	46.85
26 KI-SOUTHWIRE CO.	42.81	\$ (28,290.97)	(6.62)	\$ 154,747.50	36.20
27 KI-TYSON FOODS	43.98	\$ (42,138.04)	(6.67)	\$ 235,652.25	37.32
28 KI-VALLEY GRAIN	47.74	\$ (7,335.76)	(6.73)	\$ 44,673.83	41.01
29					
30 SUBTOTAL INDUSTRIALS	43.76	\$ (625,213.14)	(6.65)	\$ 3,487,811.87	37.12
31					
32 JPI-SHELL OIL	58.13	\$ (4,676.74)	(7.34)	\$ 32,369.45	50.80
33					
34 TOTAL INDUSTRIALS	43.86	\$ (629,889.88)	(6.66)	\$ 3,520,181.32	37.21
35					
36					
37 GRAND TOTAL	50.07	\$ (1,802,465.90)	(6.96)	\$ 11,436,607.57	44.14
38					

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

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 JUNE 2013							
2							
3 JP RURALS	135,049	58,504,420	\$ 1,309,570.15	\$ 1,739,687.43	\$ 3,049,257.58	\$ -	\$ -
4 KENERGY RURALS	241,033	101,169,930	\$ 2,337,297.00	\$ 3,008,389.04	\$ 5,345,686.04	\$ -	\$ -
5 MEADE CO. RURALS	84,914	36,447,540	\$ 823,411.06	\$ 1,083,804.05	\$ 1,907,215.11	\$ -	\$ -
6							
7 TOTAL RURALS	460,996.00	196,121,890.00	\$ 4,470,278.21	\$ 5,831,880.52	\$ 10,302,158.73	\$ -	\$ -
8							
9 KI-ACCURIDE	5,065	2,031,670	\$ 53,182.50	\$ 49,792.17	\$ 102,974.67	\$ -	\$ -
10 KI-ALCOA	116	79,050	\$ 1,218.00	\$ 1,937.36	\$ 3,155.36	\$ 1,522.50	\$ -
11 KI-ALERIS	27,084	15,397,440	\$ 284,382.00	\$ 377,360.46	\$ 661,742.46	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,001	605,350	\$ 21,010.50	\$ 14,835.92	\$ 35,846.42	\$ -	\$ -
13 KI-ARMSTRONG - DOCK	9,173	3,621,720	\$ 96,316.50	\$ 88,761.11	\$ 185,077.61	\$ -	\$ 10,672.32
14 KI-ARMSTRONG - EQUALITY	3,156	1,446,710	\$ 33,138.00	\$ 35,455.97	\$ 68,593.97	\$ -	\$ 3,056.76
15 KI-ARMSTRONG - LEWIS	3,500	741,460	\$ 36,750.00	\$ 18,171.70	\$ 54,921.70	\$ -	\$ 2,042.72
16 KI-ARMSTRONG - MIDWAY	4,716	2,436,780	\$ 49,518.00	\$ 59,720.60	\$ 109,238.60	\$ -	\$ -
17 KI-DOMTAR PAPER CO.	35,000	25,084,156	\$ 367,500.00	\$ 614,762.50	\$ 982,262.50	\$ -	\$ -
18 KI-DOTIKI #3	193	77,040	\$ 2,026.50	\$ 1,888.10	\$ 3,914.60	\$ 220.50	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	388,850	\$ 7,875.00	\$ 9,529.94	\$ 17,404.94	\$ -	\$ -
20 KI-HOPKINS CO. COAL	365	108,060	\$ 3,832.50	\$ 2,648.33	\$ 6,480.83	\$ -	\$ -
21 KI-KIMBERLY-CLARK	38,189	26,349,550	\$ 400,984.50	\$ 645,774.77	\$ 1,046,759.27	\$ -	\$ -
22 KI-PATRIOT COAL, LP	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
23 KI-PRECOAT	3,538	1,355,870	\$ 37,149.00	\$ 33,229.66	\$ 70,378.66	\$ -	\$ -
24 KI-SEBREE MINING-KMMC	117	34,800	\$ 1,228.50	\$ 852.88	\$ 2,081.38	\$ -	\$ -
25 KI-SEBREE MINING-STEAMPORT-ALLIED	7,773	2,181,320	\$ 81,616.50	\$ 53,459.79	\$ 135,076.29	\$ -	\$ -
26 KI-SOUTHWIRE CO.	7,235	4,430,780	\$ 75,967.50	\$ 108,589.56	\$ 184,557.06	\$ -	\$ -
27 KI-TYSON FOODS	11,197	6,183,400	\$ 117,568.50	\$ 151,542.77	\$ 269,111.27	\$ -	\$ -
28 KI-VALLEY GRAIN	1,981	1,007,660	\$ 20,800.50	\$ 24,695.73	\$ 45,496.23	\$ 3,202.50	\$ -
29							
30 SUBTOTAL INDUSTRIALS	161,149.00	93,561,666.00	\$ 1,692,064.50	\$ 2,293,009.32	\$ 3,985,073.82	\$ 4,945.50	\$ 15,771.80
31							
32 JPI-SHELL OIL	1,901.00	649,330.00	\$ 19,960.50	\$ 15,913.78	\$ 35,874.28	\$ -	\$ -
33							
34 TOTAL INDUSTRIALS	163,050.00	94,210,996.00	\$ 1,712,025.00	\$ 2,308,923.10	\$ 4,020,948.10	\$ 4,945.50	\$ 15,771.80
35							
36							
37 GRAND TOTAL	624,046.00	290,332,886.00	\$ 6,182,303.21	\$ 8,140,803.62	\$ 14,323,106.83	\$ 4,945.50	\$ 15,771.80
38							

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

	PSC BILLING ADJ ¹	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$
1 JUNE 2013							
2							
3 JP RURALS	\$ 74,927.61	\$ 3,049,257.58	\$ 12.63	\$ 3,049,270.21	\$ 208,919.28	3.57	\$ 168,911.55
4 KENERGY RURALS	\$ 135,472.60	\$ 5,345,686.04	\$ -	\$ 5,345,686.04	\$ 361,277.82	3.57	\$ 295,956.56
5 MEADE CO. RURALS	\$ 53,950.58	\$ 1,907,215.11	\$ -	\$ 1,907,215.11	\$ 130,154.17	3.57	\$ 105,631.81
6							
7 TOTAL RURALS	\$ 264,350.79	\$ 10,302,158.73	\$ 12.63	\$ 10,302,171.36	\$ 700,351.27	3.57	\$ 570,499.92
8							
9 KI-ACCURIDE	\$ 21.47	\$ 102,974.67		\$ 102,974.67	\$ 7,255.09	3.57	\$ 5,710.79
10 KI-ALCOA	\$ 0.89	\$ 4,677.86		\$ 4,677.86	\$ 282.29	3.57	\$ 176.97
11 KI-ALERIS	\$ 142.97	\$ 661,742.46		\$ 661,742.46	\$ 54,984.26	3.57	\$ 36,974.53
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 5.82	\$ 35,846.42		\$ 35,846.42	\$ 2,161.70	3.57	\$ 1,975.99
13 KI-ARMSTRONG - DOCK	\$ 28.48	\$ 195,749.93		\$ 195,749.93	\$ 12,933.16	3.57	\$ 10,260.57
14 KI-ARMSTRONG - EQUALITY	\$ 13.86	\$ 71,650.73		\$ 71,650.73	\$ 5,166.20	3.57	\$ 3,815.08
15 KI-ARMSTRONG - LEWIS	\$ 2.98	\$ 56,964.42		\$ 56,964.42	\$ 2,647.75	3.57	\$ 3,005.61
16 KI-ARMSTRONG - MIDWAY	\$ 18.41	\$ 109,238.60		\$ 109,238.60	\$ 8,701.74	3.57	\$ 6,091.30
17 KI-DOMTAR PAPER CO.	\$ 118.01	\$ 982,262.50		\$ 982,262.50	\$ 89,575.52	3.57	\$ 55,145.64
18 KI-DOTIKI #3	\$ 4.36	\$ 4,135.10		\$ 4,135.10	\$ 275.11	3.57	\$ 217.07
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ -	\$ 17,404.94		\$ 17,404.94	\$ 1,388.58	3.57	\$ 970.59
20 KI-HOPKINS CO. COAL	\$ 1.48	\$ 6,480.83		\$ 6,480.83	\$ 385.88	3.57	\$ 357.09
21 KI-KIMBERLY-CLARK	\$ 244.78	\$ 1,046,759.27		\$ 1,046,759.27	\$ 94,094.24	3.57	\$ 58,721.68
22 KI-PATRIOT COAL, LP	\$ -	\$ -		\$ -	\$ -	0.00	\$ -
23 KI-PRECOAT	\$ 13.48	\$ 70,378.66		\$ 70,378.66	\$ 4,841.81	3.57	\$ 3,899.23
24 KI-SEBREE MINING-KMMC	\$ 0.54	\$ 2,081.38		\$ 2,081.38	\$ 124.27	3.57	\$ 114.69
25 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 27.50	\$ 135,076.29		\$ 135,076.29	\$ 7,789.49	3.57	\$ 7,434.19
26 KI-SOUTHWIRE CO.	\$ 40.83	\$ 184,557.06		\$ 184,557.06	\$ 15,822.32	3.57	\$ 10,328.09
27 KI-TYSON FOODS	\$ 55.66	\$ 269,111.27		\$ 269,111.27	\$ 22,080.92	3.57	\$ 15,027.25
28 KI-VALLEY GRAIN	\$ 9.84	\$ 48,698.73		\$ 48,698.73	\$ 3,598.35	3.57	\$ 2,536.09
29							
30 SUBTOTAL INDUSTRIALS	\$ 751.36	\$ 4,005,791.12	\$ -	\$ 4,005,791.12	\$ 334,108.68	3.57	\$ 222,762.45
31							
32 JPI-SHELL OIL	\$ 4.08	\$ 35,874.28		\$ 35,874.28	\$ 2,318.76	3.57	\$ 1,982.65
33							
34 TOTAL INDUSTRIALS	\$ 755.44	\$ 4,041,665.40	\$ -	\$ 4,041,665.40	\$ 336,427.44	3.57	\$ 224,745.10
35							
36							
37 GRAND TOTAL	\$ 265,106.23	\$ 14,343,824.13	\$ 12.63	\$ 14,343,836.76	\$ 1,036,778.71	3.57	\$ 795,245.02
38							

¹ Billing adjustment related to Case No. 2011-00036 rehearing. Additional \$1,355,168.61 authorized to be billed to members over period March 2013 - July 2013. The total \$1,355,168.61 was recognized as revenue in February 2013 (the month the order was received). Accordingly, these amounts are not included in reported revenue during the months of March 2013 through July 2013.

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

	ES MILLS/ KWH	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$
1 JUNE 2013							
2							
3 JP RURALS	2.89	\$ (194,761.21)	(3.33)	\$ (60,903.10)	\$ (18,487.40)	(1.04)	\$ 3,152,949.33
4 KENERGY RURALS	2.93	\$ (336,794.70)	(3.33)	\$ (105,317.90)	\$ (31,969.70)	(1.04)	\$ 5,528,838.12
5 MEADE CO. RURALS	2.90	\$ (121,333.86)	(3.33)	\$ (37,941.89)	\$ (11,517.42)	(1.04)	\$ 1,972,207.92
6							
7 TOTAL RURALS	2.91	\$ (652,889.77)	(3.33)	\$ (204,162.89)	\$ (61,974.52)	(1.04)	\$ 10,653,995.37
8							
9 KI-ACCURIDE	2.81	\$ (6,763.43)	(3.33)	\$ (2,114.97)	\$ (642.01)	(1.04)	\$ 106,420.14
10 KI-ALCOA	2.24	\$ (263.16)	(3.33)	\$ (82.29)	\$ (24.98)	(1.04)	\$ 4,766.69
11 KI-ALERIS	2.40	\$ (51,258.08)	(3.33)	\$ (16,028.74)	\$ (4,865.59)	(1.04)	\$ 681,548.84
12 KI-AMG ALUMINUM NORTH AMERICA	3.26	\$ (2,015.21)	(3.33)	\$ (630.17)	\$ (191.29)	(1.04)	\$ 37,147.44
13 KI-ARMSTRONG - DOCK	2.83	\$ (12,056.71)	(3.33)	\$ (3,770.21)	\$ (1,144.46)	(1.04)	\$ 201,972.28
14 KI-ARMSTRONG - EQUALITY	2.64	\$ (4,816.10)	(3.33)	\$ (1,506.03)	\$ (457.16)	(1.04)	\$ 73,852.72
15 KI-ARMSTRONG - LEWIS	4.05	\$ (2,468.32)	(3.33)	\$ (771.86)	\$ (234.30)	(1.04)	\$ 59,143.30
16 KI-ARMSTRONG - MIDWAY	2.50	\$ (8,112.04)	(3.33)	\$ (2,536.69)	\$ (770.02)	(1.04)	\$ 112,612.89
17 KI-DOMTAR PAPER CO.	2.20	\$ (83,505.16)	(3.33)	\$ (26,112.61)	\$ (7,926.59)	(1.04)	\$ 1,009,439.30
18 KI-DOTIKI #3	2.82	\$ (256.47)	(3.33)	\$ (80.20)	\$ (24.34)	(1.04)	\$ 4,266.27
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	2.50	\$ (1,294.48)	(3.33)	\$ (404.79)	\$ (122.88)	(1.04)	\$ 17,941.96
20 KI-HOPKINS CO. COAL	3.30	\$ (359.73)	(3.33)	\$ (112.49)	\$ (34.15)	(1.04)	\$ 6,717.43
21 KI-KIMBERLY-CLARK	2.23	\$ (87,717.65)	(3.33)	\$ (27,429.88)	\$ (8,326.46)	(1.04)	\$ 1,076,101.20
22 KI-PATRIOT COAL, LP	0.00	\$ -	0.00	\$ -	\$ -	0.00	\$ -
23 KI-PRECOAT	2.88	\$ (4,513.69)	(3.33)	\$ (1,411.46)	\$ (428.45)	(1.04)	\$ 72,766.10
24 KI-SEBREE MINING-KMMC	3.30	\$ (115.85)	(3.33)	\$ (36.23)	\$ (11.00)	(1.04)	\$ 2,157.26
25 KI-SEBREE MINING-STEAMPORT-ALLIED	3.41	\$ (7,261.61)	(3.33)	\$ (2,270.75)	\$ (689.30)	(1.04)	\$ 140,078.31
26 KI-SOUTHWIRE CO.	2.33	\$ (14,750.07)	(3.33)	\$ (4,612.44)	\$ (1,400.13)	(1.04)	\$ 189,944.83
27 KI-TYSON FOODS	2.43	\$ (20,584.54)	(3.33)	\$ (6,436.92)	\$ (1,953.95)	(1.04)	\$ 277,244.03
28 KI-VALLEY GRAIN	2.52	\$ (3,354.50)	(3.33)	\$ (1,048.97)	\$ (318.42)	(1.04)	\$ 50,111.28
29							
30 SUBTOTAL INDUSTRIALS	2.38	\$ (311,466.80)	(3.33)	\$ (97,397.70)	\$ (29,565.48)	(1.04)	\$ 4,124,232.27
31							
32 JPI-SHELL OIL	3.05	\$ (2,161.62)	(3.33)	\$ (675.95)	\$ (205.19)	(1.04)	\$ 37,132.93
33							
34 TOTAL INDUSTRIALS	2.39	\$ (313,628.42)	(3.33)	\$ (98,073.65)	\$ (29,770.67)	(1.04)	\$ 4,161,365.20
35							
36							
37 GRAND TOTAL	2.74	\$ (966,518.19)	(3.33)	\$ (302,236.54)	\$ (91,745.19)	(1.04)	\$ 14,815,360.57
38							

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

	REVENUE MILLS/ KWH	MRSM \$	MRSM MILLS/ KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/ KWH
1 JUNE 2013					
2					
3 JP RURALS	53.89	\$ (429,490.24)	(7.34)	\$ 2,798,386.70	47.83
4 KENERGY RURALS	54.65	\$ (746,567.43)	(7.38)	\$ 4,917,743.29	48.61
5 MEADE CO. RURALS	54.11	\$ (267,969.16)	(7.35)	\$ 1,758,189.34	48.24
6					
7 TOTAL RURALS	54.32	\$ (1,444,026.83)	(7.36)	\$ 9,474,319.33	48.31
8					
9 KI-ACCURIDE	52.38	\$ (14,759.84)	(7.26)	\$ 91,681.77	45.13
10 KI-ALCOA	60.30	\$ (529.06)	(6.69)	\$ 4,238.52	53.62
11 KI-ALERIS	44.26	\$ (105,554.73)	(6.86)	\$ 576,137.08	37.42
12 KI-AMG ALUMINUM NORTH AMERICA	61.37	\$ (4,672.21)	(7.72)	\$ 32,481.05	53.66
13 KI-ARMSTRONG - DOCK	55.77	\$ (26,391.70)	(7.29)	\$ 175,609.06	48.49
14 KI-ARMSTRONG - EQUALITY	51.05	\$ (10,258.72)	(7.09)	\$ 63,607.86	43.97
15 KI-ARMSTRONG - LEWIS	79.77	\$ (6,308.07)	(8.51)	\$ 52,838.21	71.26
16 KI-ARMSTRONG - MIDWAY	46.21	\$ (16,944.72)	(6.95)	\$ 95,686.58	39.27
17 KI-DOMTAR PAPER CO.	40.24	\$ (166,870.46)	(6.65)	\$ 842,686.85	33.59
18 KI-DOTIKI #3	55.38	\$ (560.20)	(7.27)	\$ 3,710.43	48.16
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	46.14	\$ (2,702.53)	(6.95)	\$ 15,239.43	39.19
20 KI-HOPKINS CO. COAL	62.16	\$ (838.39)	(7.76)	\$ 5,880.52	54.42
21 KI-KIMBERLY-CLARK	40.84	\$ (176,082.57)	(6.68)	\$ 900,263.41	34.17
22 KI-PATRIOT COAL, LP	-	\$ -	0.00	\$ -	0.00
23 KI-PRECOAT	53.67	\$ (9,938.27)	(7.33)	\$ 62,841.31	46.35
24 KI-SEBREE MINING-KMMC	61.99	\$ (269.69)	(7.75)	\$ 1,888.11	54.26
25 KI-SEBREE MINING-STEAMPORT-ALLIED	64.22	\$ (17,149.79)	(7.86)	\$ 122,956.02	56.37
26 KI-SOUTHWIRE CO.	42.87	\$ (30,062.79)	(6.78)	\$ 159,922.87	36.09
27 KI-TYSON FOODS	44.84	\$ (42,568.11)	(6.88)	\$ 234,731.58	37.96
28 KI-VALLEY GRAIN	49.73	\$ (7,024.20)	(6.97)	\$ 43,096.92	42.77
29					
30 SUBTOTAL INDUSTRIALS	44.08	\$ (639,486.05)	(6.83)	\$ 3,485,497.58	37.25
31					
32 JPI-SHELL OIL	57.19	\$ (4,874.77)	(7.51)	\$ 32,262.24	49.69
33					
34 TOTAL INDUSTRIALS	44.17	\$ (644,360.82)	(6.84)	\$ 3,517,759.82	37.34
35					
36					
37 GRAND TOTAL	51.03	\$ (2,088,387.65)	(7.19)	\$ 12,992,079.15	44.75
38					

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

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 JULY 2013							
2							
3 JP RURALS	139,874	62,361,170	\$ 1,356,358.18	\$ 1,854,371.75	\$ 3,210,729.93	\$ -	\$ -
4 KENERGY RURALS	245,168	110,520,896	\$ 2,377,394.10	\$ 3,286,449.36	\$ 5,663,843.46	\$ -	\$ -
5 MEADE CO. RURALS	87,107	40,251,790	\$ 844,676.58	\$ 1,196,927.23	\$ 2,041,603.81	\$ -	\$ -
6							
7 TOTAL RURALS	472,149.00	213,133,856.00	\$ 4,578,428.86	\$ 6,337,748.34	\$ 10,916,177.20	\$ -	\$ -
8							
9 KI-ACCURIDE	5,322	2,241,260	\$ 55,881.00	\$ 54,928.80	\$ 110,809.80	\$ -	\$ -
10 KI-ALCOA	116	80,390	\$ 1,218.00	\$ 1,970.20	\$ 3,188.20	\$ 1,522.50	\$ -
11 KI-ALERIS	28,010	15,282,410	\$ 294,105.00	\$ 374,541.30	\$ 668,646.30	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,001	643,660	\$ 21,010.50	\$ 15,774.82	\$ 36,785.32	\$ 903.00	\$ -
13 KI-ARMSTRONG - DOCK	9,419	3,652,890	\$ 98,899.50	\$ 89,525.03	\$ 188,424.53	\$ -	\$ 8,709.14
14 KI-ARMSTRONG - EQUALITY	3,081	1,414,740	\$ 32,350.50	\$ 34,672.45	\$ 67,022.95	\$ -	\$ 3,648.41
15 KI-ARMSTRONG - LEWIS	3,500	852,690	\$ 36,750.00	\$ 20,897.73	\$ 57,647.73	\$ -	\$ 2,304.08
16 KI-ARMSTRONG - MIDWAY	4,649	2,304,180	\$ 48,814.50	\$ 56,470.84	\$ 105,285.34	\$ -	\$ -
17 KI-DOMTAR PAPER CO.	35,000	25,916,876	\$ 367,500.00	\$ 635,170.80	\$ 1,002,670.80	\$ -	\$ -
18 KI-DOTIKI #3	189	78,460	\$ 1,984.50	\$ 1,922.90	\$ 3,907.40	\$ 252.00	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	402,870	\$ 7,875.00	\$ 9,873.54	\$ 17,748.54	\$ -	\$ -
20 KI-HOPKINS CO. COAL	100	50,600	\$ 1,050.00	\$ 1,240.10	\$ 2,290.10	\$ -	\$ -
21 KI-KIMBERLY-CLARK	38,578	25,702,700	\$ 405,069.00	\$ 629,921.77	\$ 1,034,990.77	\$ -	\$ -
22 KI-PATRIOT COAL, LP	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
23 KI-PENNYRILE ENERGY, LLC	290	2,690	\$ 3,045.00	\$ 65.93	\$ 3,110.93	\$ 987.00	\$ -
24 KI-PRECOAT	3,644	1,436,640	\$ 38,262.00	\$ 35,209.17	\$ 73,471.17	\$ -	\$ -
25 KI-SEBREE MINING-KMMC	110	35,210	\$ 1,155.00	\$ 862.93	\$ 2,017.93	\$ 10.50	\$ -
26 KI-SEBREE MINING-STEAMPORT-ALLIED	6,466	1,532,800	\$ 67,893.00	\$ 37,565.86	\$ 105,458.86	\$ -	\$ -
27 KI-SOUTHWIRE CO.	7,545	4,579,710	\$ 79,222.50	\$ 112,239.53	\$ 191,462.03	\$ -	\$ -
28 KI-TYSON FOODS	11,534	6,566,860	\$ 121,107.00	\$ 160,940.60	\$ 282,047.60	\$ -	\$ -
29 KI-VALLEY GRAIN	2,012	1,017,220	\$ 21,126.00	\$ 24,930.03	\$ 46,056.03	\$ 3,255.00	\$ -
30							
31 SUBTOTAL INDUSTRIALS	162,316.00	93,794,856.00	\$ 1,704,318.00	\$ 2,298,724.33	\$ 4,003,042.33	\$ 6,930.00	\$ 14,661.63
32							
33 JPL-SHELL OIL	1,922.00	583,740.00	\$ 20,181.00	\$ 14,306.30	\$ 34,487.30	\$ -	\$ -
34							
35 TOTAL INDUSTRIALS	164,238.00	94,378,596.00	\$ 1,724,499.00	\$ 2,313,030.63	\$ 4,037,529.63	\$ 6,930.00	\$ 14,661.63
36							
37							
38 GRAND TOTAL	636,387.00	307,512,452.00	\$ 6,302,927.86	\$ 8,650,778.97	\$ 14,953,706.83	\$ 6,930.00	\$ 14,661.63
39							

Case No. 2013-00449

Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

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

	UNWIND SURCREDIT ADJ 4-13 THRU 6-13	MRS M ADJ 4-13 THRU 6-13 (US)	PSC BILLING ADJ ¹	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$
1 JULY 2013							
2							
3 JP RURALS	\$ 2,566.78	\$ (2,566.78)	74,927.62	\$ 3,210,729.93	\$ 12.63	\$ 3,210,742.56	\$ 194,317.41
4 KENERGY RURALS	\$ 4,520.93	\$ (4,520.93)	135,472.61	\$ 5,663,843.46	\$ -	\$ 5,663,843.46	\$ 344,383.11
5 MEADE CO. RURALS	\$ 1,687.08	\$ (1,687.08)	53,950.58	\$ 2,041,603.81	\$ -	\$ 2,041,603.81	\$ 125,424.58
6							
7 TOTAL RURALS	\$ 8,774.79	\$ (8,774.79)	\$ 264,350.81	\$ 10,916,177.20	\$ 12.63	\$ 10,916,189.83	\$ 664,125.10
8							
9 KI-ACCURIDE	\$ 112.40	\$ (112.40)	21.46	\$ 110,809.80		\$ 110,809.80	\$ 6,983.77
10 KI-ALCOA	\$ 4.24	\$ (4.24)	0.89	\$ 4,710.70		\$ 4,710.70	\$ 250.50
11 KI-ALERIS	\$ 763.66	\$ (763.66)	142.97	\$ 668,646.30		\$ 668,646.30	\$ 47,619.99
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 31.71	\$ (31.71)	5.82	\$ 37,688.32		\$ 37,688.32	\$ 2,005.64
13 KI-ARMSTRONG - DOCK	\$ 194.29	\$ (194.29)	28.48	\$ 197,133.67		\$ 197,133.67	\$ 11,382.41
14 KI-ARMSTRONG - EQUALITY	\$ 74.70	\$ (74.70)	13.86	\$ 70,671.36		\$ 70,671.36	\$ 4,408.33
15 KI-ARMSTRONG - LEWIS	\$ 34.11	\$ (34.11)	2.98	\$ 59,951.81		\$ 59,951.81	\$ 2,656.98
16 KI-ARMSTRONG - MIDWAY	\$ 125.64	\$ (125.64)	18.41	\$ 105,285.34		\$ 105,285.34	\$ 7,179.82
17 KI-DOMTAR PAPER CO.	\$ 1,052.62	\$ (1,052.62)	118.01	\$ 1,002,670.80		\$ 1,002,670.80	\$ 80,756.99
18 KI-DOTIKI #3	\$ 3.92	\$ (3.92)	4.36	\$ 4,159.40		\$ 4,159.40	\$ 244.48
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 16.39	\$ (16.39)	0.00	\$ 17,748.54		\$ 17,748.54	\$ 1,255.34
20 KI-HOPKINS CO. COAL	\$ 7.17	\$ (7.17)	1.48	\$ 2,290.10		\$ 2,290.10	\$ 157.67
21 KI-KIMBERLY-CLARK	\$ 1,285.55	\$ (1,285.55)	244.78	\$ 1,034,990.77		\$ 1,034,990.77	\$ 80,089.61
22 KI-PATRIOT COAL, LP	\$ -	\$ -	0.00	\$ -		\$ -	\$ -
23 KI-PENNYRILE ENERGY, LLC	\$ -	\$ -	0.00	\$ 4,097.93		\$ 4,097.93	\$ 8.38
24 KI-PRECOAT	\$ 72.65	\$ (72.65)	13.48	\$ 73,471.17		\$ 73,471.17	\$ 4,476.57
25 KI-SEBREE MINING-KMMC	\$ 1.93	\$ (1.93)	0.54	\$ 2,028.43		\$ 2,028.43	\$ 109.71
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 140.84	\$ (140.84)	27.50	\$ 105,458.86		\$ 105,458.86	\$ 4,776.20
27 KI-SOUTHWIRE CO.	\$ 218.04	\$ (218.04)	40.83	\$ 191,462.03		\$ 191,462.03	\$ 14,270.38
28 KI-TYSON FOODS	\$ 313.39	\$ (313.39)	55.66	\$ 282,047.60		\$ 282,047.60	\$ 20,462.34
29 KI-VALLEY GRAIN	\$ 52.67	\$ (52.67)	9.84	\$ 49,311.03		\$ 49,311.03	\$ 3,169.66
30							
31 SUBTOTAL INDUSTRIALS	\$ 4,505.92	\$ (4,505.92)	\$ 751.35	\$ 4,024,633.96	\$ -	\$ 4,024,633.96	\$ 292,264.77
32							
33 JPI-SHELL OIL	\$ 29.39	\$ (29.39)	\$ 4.08	\$ 34,487.30		\$ 34,487.30	\$ 1,818.93
34							
35 TOTAL INDUSTRIALS	\$ 4,535.31	\$ (4,535.31)	\$ 755.43	\$ 4,059,121.26	\$ -	\$ 4,059,121.26	\$ 294,083.70
36							
37							
38 GRAND TOTAL	\$ 13,310.10	\$ (13,310.10)	\$ 265,106.24	\$ 14,975,298.46	\$ 12.63	\$ 14,975,311.09	\$ 958,208.80
39							

¹ Billing adjustment related to Case No. 2011-00036 rehearing. Additional \$1,355,168.61 authorized to be billed to members over period March 2013 - July 2013. The total \$1,355,168.61 was recognized as revenue in February 2013 (the month the order was received). Accordingly, these amounts are not included in reported revenue during the months of March 2013 through July 2013.

Case No. 2013-00449

Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

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

	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA
1 JULY 2013							
2							
3 JP RURALS	3.12	\$ 174,263.38	2.79	\$ (203,536.89)	(3.26)	\$ (64,917.98)	\$ (19,706.13)
4 KENERGY RURALS	3.12	\$ 307,454.30	2.78	\$ (360,750.63)	(3.26)	\$ (115,052.25)	\$ (34,924.60)
5 MEADE CO. RURALS	3.12	\$ 110,863.92	2.75	\$ (131,345.09)	(3.26)	\$ (41,902.11)	\$ (12,719.57)
6							
7 TOTAL RURALS	3.12	\$ 592,581.60	2.78	\$ (695,632.61)	(3.26)	\$ (221,872.34)	\$ (67,350.30)
8							
9 KI-ACCURIDE	3.12	\$ 6,022.46	2.69	\$ (7,294.96)	(3.25)	\$ (2,333.15)	\$ (708.24)
10 KI-ALCOA	3.12	\$ 174.75	2.17	\$ (261.45)	(3.25)	\$ (83.69)	\$ (25.40)
11 KI-ALERIS	3.12	\$ 36,502.90	2.39	\$ (49,744.71)	(3.26)	\$ (15,908.99)	\$ (4,829.24)
12 KI-AMG ALUMINUM NORTH AMERICA	3.12	\$ 1,990.00	3.09	\$ (2,095.59)	(3.26)	\$ (670.05)	\$ (203.40)
13 KI-ARMSTRONG - DOCK	3.12	\$ 10,226.17	2.80	\$ (11,878.51)	(3.25)	\$ (3,802.66)	\$ (1,154.31)
14 KI-ARMSTRONG - EQUALITY	3.12	\$ 3,648.12	2.58	\$ (4,601.02)	(3.25)	\$ (1,472.74)	\$ (447.06)
15 KI-ARMSTRONG - LEWIS	3.12	\$ 3,104.20	3.64	\$ (2,784.03)	(3.26)	\$ (887.65)	\$ (269.45)
16 KI-ARMSTRONG - MIDWAY	3.12	\$ 5,738.33	2.49	\$ (7,489.67)	(3.25)	\$ (2,398.65)	\$ (728.12)
17 KI-DOMTAR PAPER CO.	3.12	\$ 55,015.00	2.12	\$ (84,602.66)	(3.26)	\$ (26,979.47)	\$ (8,189.73)
18 KI-DOTIKI #3	3.12	\$ 212.31	2.71	\$ (255.39)	(3.26)	\$ (81.68)	\$ (24.79)
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	3.12	\$ 968.67	2.40	\$ (1,315.10)	(3.26)	\$ (419.39)	\$ (127.31)
20 KI-HOPKINS CO. COAL	3.12	\$ 124.86	2.47	\$ (160.06)	(3.16)	\$ (52.67)	\$ (15.99)
21 KI-KIMBERLY-CLARK	3.12	\$ 56,691.45	2.21	\$ (83,661.87)	(3.25)	\$ (26,756.51)	\$ (8,122.05)
22 KI-PATRIOT COAL, LP	0.00	\$ -	0.00	\$ -	0.00	\$ -	\$ -
23 KI-PENNYRILE ENERGY, LLC	3.12	\$ 163.52	60.79	\$ (8.89)	(3.30)	\$ (2.80)	\$ (0.85)
24 KI-PRECOAT	3.12	\$ 3,988.56	2.78	\$ (4,675.45)	(3.25)	\$ (1,495.54)	\$ (453.98)
25 KI-SEBREE MINING-KMMC	3.12	\$ 109.16	3.10	\$ (114.44)	(3.25)	\$ (36.65)	\$ (11.13)
26 KI-SEBREE MINING-STEAMPORT-ALLIED	3.12	\$ 5,676.22	3.70	\$ (4,925.06)	(3.21)	\$ (1,595.64)	\$ (484.36)
27 KI-SOUTHWIRE CO.	3.12	\$ 10,471.15	2.29	\$ (14,917.90)	(3.26)	\$ (4,767.48)	\$ (1,447.19)
28 KI-TYSON FOODS	3.12	\$ 15,408.73	2.35	\$ (21,390.08)	(3.26)	\$ (6,836.10)	\$ (2,075.13)
29 KI-VALLEY GRAIN	3.12	\$ 2,511.03	2.47	\$ (3,309.24)	(3.25)	\$ (1,058.93)	\$ (321.44)
30							
31 SUBTOTAL INDUSTRIALS	3.12	\$ 218,747.59	2.33	\$ (305,486.08)	(3.26)	\$ (97,640.44)	\$ (29,639.17)
32							
33 JPI-SHELL OIL	3.12	\$ 1,863.86	3.19	\$ (1,899.87)	(3.25)	\$ (607.67)	\$ (184.46)
34							
35 TOTAL INDUSTRIALS	3.12	\$ 220,611.45	2.34	\$ (307,385.95)	(3.26)	\$ (98,248.11)	\$ (29,823.63)
36							
37							
38 GRAND TOTAL	3.12	\$ 813,193.05	2.64	\$ (1,003,018.56)	(3.26)	\$ (320,120.45)	\$ (97,173.93)
39							

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

	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH	MRS \$	MRS MILLS/ KWH	REVENUE \$ NET OF MRS	REV NET OF MRS MILLS/ KWH
1 JULY 2013							
2							
3 JP RURALS	(1.04)	\$ 3,291,162.35	52.78	\$ (365,347.98)	(5.86)	\$ 3,000,741.99	48.12
4 KENERGY RURALS	(1.04)	\$ 5,804,953.39	52.52	\$ (646,079.90)	(5.85)	\$ 5,294,346.10	47.90
5 MEADE CO. RURALS	(1.04)	\$ 2,091,925.54	51.97	\$ (234,232.16)	(5.82)	\$ 1,911,643.96	47.49
6							
7 TOTAL RURALS	(1.04)	\$ 11,188,041.28	52.49	\$ (1,245,660.04)	(5.84)	\$ 10,206,732.05	47.89
8							
9 KI-ACCURIDE	(1.04)	\$ 113,479.68	50.63	\$ (12,910.20)	(5.76)	\$ 100,590.94	44.88
10 KI-ALCOA	(1.04)	\$ 4,765.41	59.28	\$ (422.01)	(5.25)	\$ 4,344.29	54.04
11 KI-ALERIS	(1.04)	\$ 682,286.25	44.65	\$ (83,465.28)	(5.46)	\$ 598,963.94	39.19
12 KI-AMG ALUMINUM NORTH AMERICA	(1.04)	\$ 38,714.92	60.15	\$ (3,967.49)	(6.16)	\$ 34,753.25	53.99
13 KI-ARMSTRONG - DOCK	(1.04)	\$ 201,906.77	55.27	\$ (21,463.15)	(5.88)	\$ 180,472.10	49.41
14 KI-ARMSTRONG - EQUALITY	(1.04)	\$ 72,206.99	51.04	\$ (7,999.57)	(5.65)	\$ 64,221.28	45.39
15 KI-ARMSTRONG - LEWIS	(1.04)	\$ 61,771.86	72.44	\$ (5,715.99)	(6.70)	\$ 56,058.85	65.74
16 KI-ARMSTRONG - MIDWAY	(1.04)	\$ 107,587.05	46.69	\$ (12,829.51)	(5.57)	\$ 94,776.95	41.13
17 KI-DOMTAR PAPER CO.	(1.04)	\$ 1,018,670.93	39.31	\$ (134,414.34)	(5.19)	\$ 884,374.60	34.12
18 KI-DOTIKI #3	(1.04)	\$ 4,254.33	54.22	\$ (453.41)	(5.78)	\$ 3,805.28	48.50
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	(1.04)	\$ 18,110.75	44.95	\$ (2,202.93)	(5.47)	\$ 15,907.82	39.49
20 KI-HOPKINS CO. COAL	(1.04)	\$ 2,343.91	46.32	\$ (285.00)	(5.63)	\$ 2,060.39	40.72
21 KI-KIMBERLY-CLARK	(1.04)	\$ 1,053,231.40	40.98	\$ (135,676.26)	(5.28)	\$ 917,799.92	35.71
22 KI-PATRIOT COAL, LP	0.00	\$ -	-	\$ -	0.00	\$ -	0.00
23 KI-PENNYRILE ENERGY, LLC	(1.04)	\$ 4,257.29	1,582.64	\$ (171.65)	(63.81)	\$ 4,085.64	1,518.83
24 KI-PRECOAT	(1.04)	\$ 75,311.33	52.42	\$ (8,404.17)	(5.85)	\$ 66,920.64	46.58
25 KI-SEBREE MINING-KMMC	(1.04)	\$ 2,085.08	59.22	\$ (217.52)	(6.18)	\$ 1,868.10	53.06
26 KI-SEBREE MINING-STEAMPORT-ALLIED	(1.04)	\$ 108,906.22	71.05	\$ (10,450.71)	(6.82)	\$ 98,483.01	64.25
27 KI-SOUTHWIRE CO.	(1.04)	\$ 195,070.99	42.59	\$ (24,533.66)	(5.36)	\$ 170,578.16	37.25
28 KI-TYSON FOODS	(1.04)	\$ 287,617.36	43.80	\$ (35,573.74)	(5.42)	\$ 252,099.28	38.39
29 KI-VALLEY GRAIN	(1.04)	\$ 50,302.11	49.45	\$ (5,638.76)	(5.54)	\$ 44,673.19	43.92
30							
31 SUBTOTAL INDUSTRIALS	(1.04)	\$ 4,102,880.63	43.74	\$ (506,795.35)	(5.40)	\$ 3,596,836.63	38.35
32							
33 JPI-SHELL OIL	(1.04)	\$ 35,478.09	60.78	\$ (3,657.89)	(6.27)	\$ 31,824.28	54.52
34							
35 TOTAL INDUSTRIALS	(1.04)	\$ 4,138,358.72	43.85	\$ (510,453.24)	(5.41)	\$ 3,628,660.91	38.45
36							
37							
38 GRAND TOTAL	(1.04)	\$ 15,326,400.00	49.84	\$ (1,756,113.28)	(5.71)	\$ 13,835,392.96	44.99
39							

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

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 AUGUST 2013							
2							
3 JP RURALS	120,030	61,508,892	\$ 1,549,107.94	\$ 1,836,109.74	\$ 3,385,217.68	\$ -	\$ -
4 KENERGY RURALS	227,857	112,030,083	\$ 2,903,040.90	\$ 3,344,058.65	\$ 6,247,099.55	\$ -	\$ -
5 MEADE CO. RURALS	82,153	40,747,239	\$ 1,052,714.10	\$ 1,216,254.61	\$ 2,268,968.71	\$ -	\$ -
6							
7 TOTAL RURALS	430,040.00	214,286,214.00	\$ 5,504,862.94	\$ 6,396,423.00	\$ 11,901,285.94	\$ -	\$ -
8							
9 KI-ACCURIDE	5,223	2,381,640	\$ 58,795.14	\$ 63,881.04	\$ 122,676.18	\$ -	\$ -
10 KI-ALCOA	110	77,379	\$ 1,237.87	\$ 2,060.79	\$ 3,298.66	\$ 1,923.55	\$ -
11 KI-ALERIS	26,995	15,535,241	\$ 303,239.26	\$ 413,010.24	\$ 716,249.50	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,001	590,749	\$ 22,489.95	\$ 15,809.07	\$ 38,299.02	\$ 535.50	\$ -
13 KI-ARMSTRONG - DOCK	9,432	3,877,769	\$ 106,136.20	\$ 103,499.41	\$ 209,635.61	\$ -	\$ 12,462.01
14 KI-ARMSTRONG - EQUALITY	3,087	1,424,339	\$ 34,695.89	\$ 37,973.47	\$ 72,669.36	\$ -	\$ 2,511.65
15 KI-ARMSTRONG - LEWIS	3,500	914,619	\$ 39,337.74	\$ 24,394.44	\$ 63,732.18	\$ -	\$ 4,075.80
16 KI-ARMSTRONG - MIDWAY	4,476	2,330,989	\$ 50,259.05	\$ 61,909.46	\$ 112,168.51	\$ -	\$ -
17 KI-DOMTAR PAPER CO.	15,000	10,293,728	\$ 168,590.32	\$ 274,162.49	\$ 442,752.81	\$ -	\$ -
18 KI-DOTIKI #3	189	111,859	\$ 2,125.78	\$ 2,982.32	\$ 5,108.10	\$ 260.61	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	402,349	\$ 8,429.51	\$ 10,714.62	\$ 19,144.13	\$ -	\$ -
20 KI-HOPKINS CO. COAL	100	50,460	\$ 1,123.94	\$ 1,341.33	\$ 2,465.27	\$ -	\$ -
21 KI-KIMBERLY-CLARK	37,639	26,741,349	\$ 423,245.44	\$ 713,218.63	\$ 1,136,464.07	\$ -	\$ -
22 KI-PATRIOT COAL, LP	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
23 KI-PENNYRILE ENERGY, LLC	3,000	147,169	\$ 33,718.06	\$ 4,017.77	\$ 37,735.83	\$ -	\$ -
24 KI-PRECOAT	3,634	1,470,169	\$ 40,832.67	\$ 39,084.96	\$ 79,917.63	\$ 508.81	\$ -
25 KI-SEBREE MINING-KMMC	100	30,099	\$ 1,123.94	\$ 799.22	\$ 1,923.16	\$ -	\$ -
26 KI-SEBREE MINING-STEAMPORT-ALLIED	5,104	1,274,000	\$ 58,061.71	\$ 36,358.31	\$ 94,420.02	\$ -	\$ -
27 KI-SOUTHWIRE CO.	7,385	4,662,100	\$ 82,880.74	\$ 124,059.95	\$ 206,940.69	\$ -	\$ -
28 KI-TYSON FOODS	11,567	6,893,139	\$ 130,094.52	\$ 184,156.99	\$ 314,251.51	\$ -	\$ -
29 KI-VALLEY GRAIN	2,042	1,087,419	\$ 22,988.28	\$ 29,128.50	\$ 52,116.78	\$ 3,611.31	\$ -
30							
31 SUBTOTAL INDUSTRIALS	141,334.00	80,296,565.00	\$ 1,589,406.01	\$ 2,142,563.01	\$ 3,731,969.02	\$ 6,839.78	\$ 19,049.46
32							
33 JPI-SHELL OIL	2,010.00	552,050.00	\$ 22,680.37	\$ 14,542.76	\$ 37,223.13	\$ -	\$ -
34							
35 TOTAL INDUSTRIALS	143,344.00	80,848,615.00	\$ 1,612,086.38	\$ 2,157,105.77	\$ 3,769,192.15	\$ 6,839.78	\$ 19,049.46
36							
37							
38 GRAND TOTAL	573,384.00	295,134,829.00	\$ 7,116,949.32	\$ 8,553,528.77	\$ 15,670,478.09	\$ 6,839.78	\$ 19,049.46
39							

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Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

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

	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH
1 AUGUST 2013							
2							
3 JP RURALS	\$ 3,385,217.68	\$ 12.50	\$ 3,385,230.18	\$ 209,868.34	3.41	\$ 192,807.41	3.13
4 KENERGY RURALS	\$ 6,247,099.55	\$ -	\$ 6,247,099.55	\$ 382,246.65	3.41	\$ 355,641.02	3.17
5 MEADE CO. RURALS	\$ 2,268,968.71	\$ -	\$ 2,268,968.71	\$ 139,029.58	3.41	\$ 129,176.57	3.17
6							
7 TOTAL RURALS	\$ 11,901,285.94	\$ 12.50	\$ 11,901,298.44	\$ 731,144.57	3.41	\$ 677,625.00	3.16
8							
9 KI-ACCURIDE	\$ 122,676.18		\$ 122,676.18	\$ 8,126.16	3.41	\$ 7,004.33	2.94
10 KI-ALCOA	\$ 5,222.21		\$ 5,222.21	\$ 264.02	3.41	\$ 189.85	2.45
11 KI-ALERIS	\$ 716,249.50		\$ 716,249.50	\$ 53,006.25	3.41	\$ 41,078.94	2.64
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 38,834.52		\$ 38,834.52	\$ 2,015.64	3.41	\$ 2,169.48	3.67
13 KI-ARMSTRONG - DOCK	\$ 222,097.62		\$ 222,097.62	\$ 13,230.95	3.41	\$ 11,947.69	3.08
14 KI-ARMSTRONG - EQUALITY	\$ 75,181.01		\$ 75,181.01	\$ 4,859.85	3.41	\$ 4,150.66	2.91
15 KI-ARMSTRONG - LEWIS	\$ 67,807.98		\$ 67,807.98	\$ 3,120.68	3.41	\$ 3,602.45	3.94
16 KI-ARMSTRONG - MIDWAY	\$ 112,168.51		\$ 112,168.51	\$ 7,953.34	3.41	\$ 6,421.68	2.75
17 KI-DOMTAR PAPER CO.	\$ 442,752.81		\$ 442,752.81	\$ 35,122.20	3.41	\$ 25,471.05	2.47
18 KI-DOTIKI #3	\$ 5,368.71		\$ 5,368.71	\$ 381.67	3.41	\$ 293.08	2.62
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 19,144.13		\$ 19,144.13	\$ 1,372.82	3.41	\$ 1,096.52	2.73
20 KI-HOPKINS CO. COAL	\$ 2,465.27		\$ 2,465.27	\$ 172.17	3.41	\$ 141.05	2.80
21 KI-KIMBERLY-CLARK	\$ 1,136,464.07		\$ 1,136,464.07	\$ 91,241.49	3.41	\$ 65,415.46	2.45
22 KI-PATRIOT COAL, LP	\$ -		\$ -	\$ -	0.00	\$ -	0.00
23 KI-PENNYRILE ENERGY, LLC	\$ 37,735.83		\$ 37,735.83	\$ 502.14	3.41	\$ 2,088.51	14.19
24 KI-PRECOAT	\$ 80,426.44		\$ 80,426.44	\$ 5,016.22	3.41	\$ 4,553.80	3.10
25 KI-SEBREE MINING-KMMC	\$ 1,923.16		\$ 1,923.16	\$ 102.70	3.41	\$ 108.99	3.62
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 94,420.02		\$ 94,420.02	\$ 4,346.89	3.41	\$ 5,327.93	4.18
27 KI-SOUTHWIRE CO.	\$ 206,940.69		\$ 206,940.69	\$ 15,907.09	3.41	\$ 11,888.23	2.55
28 KI-TYSON FOODS	\$ 314,251.51		\$ 314,251.51	\$ 23,519.39	3.41	\$ 18,031.92	2.62
29 KI-VALLEY GRAIN	\$ 55,728.09		\$ 55,728.09	\$ 3,710.28	3.41	\$ 2,984.20	2.74
30							
31 SUBTOTAL INDUSTRIALS	\$ 3,757,858.26	\$ -	\$ 3,757,858.26	\$ 273,971.95	3.41	\$ 213,965.82	2.66
32							
33 JPI-SHELL OIL	\$ 37,223.13		\$ 37,223.13	\$ 1,883.59	3.41	\$ 2,106.05	3.81
34							
35 TOTAL INDUSTRIALS	\$ 3,795,081.39	\$ -	\$ 3,795,081.39	\$ 275,855.54	3.41	\$ 216,071.87	2.67
36							
37							
38 GRAND TOTAL	\$ 15,696,367.33	\$ 12.50	\$ 15,696,379.83	\$ 1,007,000.11	3.41	\$ 893,696.87	3.03
39							

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

	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH
1 AUGUST 2013							
2							
3 JP RURALS	\$ (203,286.89)	(3.31)	\$ (64,030.76)	\$ (19,436.81)	(1.04)	\$ 3,501,151.47	56.92
4 KENERGY RURALS	\$ (370,259.43)	(3.31)	\$ (116,623.32)	\$ (35,401.51)	(1.04)	\$ 6,462,702.96	57.69
5 MEADE CO. RURALS	\$ (134,669.63)	(3.31)	\$ (42,417.88)	\$ (12,876.13)	(1.04)	\$ 2,347,211.22	57.60
6							
7 TOTAL RURALS	\$ (708,215.95)	(3.31)	\$ (223,071.96)	\$ (67,714.45)	(1.04)	\$ 12,311,065.65	57.45
8							
9 KI-ACCURIDE	\$ (7,871.32)	(3.30)	\$ (2,479.29)	\$ (752.60)	(1.04)	\$ 126,703.46	53.20
10 KI-ALCOA	\$ (255.74)	(3.31)	\$ (80.55)	\$ (24.45)	(1.04)	\$ 5,315.34	68.69
11 KI-ALERIS	\$ (51,343.97)	(3.30)	\$ (16,172.19)	\$ (4,909.14)	(1.04)	\$ 737,909.39	47.50
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (1,952.43)	(3.31)	\$ (614.97)	\$ (186.68)	(1.04)	\$ 40,265.56	68.16
13 KI-ARMSTRONG - DOCK	\$ (12,816.03)	(3.31)	\$ (4,036.76)	\$ (1,225.38)	(1.04)	\$ 229,198.09	59.11
14 KI-ARMSTRONG - EQUALITY	\$ (4,707.44)	(3.30)	\$ (1,482.74)	\$ (450.09)	(1.04)	\$ 77,551.25	54.45
15 KI-ARMSTRONG - LEWIS	\$ (3,022.82)	(3.31)	\$ (952.12)	\$ (289.02)	(1.04)	\$ 70,267.15	76.83
16 KI-ARMSTRONG - MIDWAY	\$ (7,703.92)	(3.31)	\$ (2,426.56)	\$ (736.59)	(1.04)	\$ 115,676.46	49.63
17 KI-DOMTAR PAPER CO.	\$ (34,020.77)	(3.30)	\$ (10,715.77)	\$ (3,252.82)	(1.04)	\$ 455,356.70	44.24
18 KI-DOTIKI #3	\$ (369.70)	(3.31)	\$ (116.45)	\$ (35.35)	(1.04)	\$ 5,521.96	49.37
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (1,329.77)	(3.31)	\$ (418.85)	\$ (127.14)	(1.04)	\$ 19,737.71	49.06
20 KI-HOPKINS CO. COAL	\$ (166.77)	(3.30)	\$ (52.53)	\$ (15.95)	(1.04)	\$ 2,543.24	50.40
21 KI-KIMBERLY-CLARK	\$ (88,380.16)	(3.31)	\$ (27,837.75)	\$ (8,450.27)	(1.04)	\$ 1,168,452.84	43.69
22 KI-PATRIOT COAL, LP	\$ -	0.00	\$ -	\$ -	0.00	\$ -	-
23 KI-PENNYRILE ENERGY, LLC	\$ (486.40)	(3.31)	\$ (153.20)	\$ (46.51)	(1.04)	\$ 39,640.37	269.35
24 KI-PRECOAT	\$ (4,858.91)	(3.31)	\$ (1,530.45)	\$ (464.57)	(1.04)	\$ 83,142.53	56.55
25 KI-SEBREE MINING-KMMC	\$ (99.48)	(3.31)	\$ (31.33)	\$ (9.51)	(1.04)	\$ 1,994.53	66.27
26 KI-SEBREE MINING-STEAMPOR-ALLIED	\$ (4,210.57)	(3.31)	\$ (1,326.24)	\$ (402.58)	(1.04)	\$ 98,155.45	77.05
27 KI-SOUTHWIRE CO.	\$ (15,408.24)	(3.30)	\$ (4,853.25)	\$ (1,473.22)	(1.04)	\$ 213,001.30	45.69
28 KI-TYSON FOODS	\$ (22,781.83)	(3.31)	\$ (7,175.76)	\$ (2,178.23)	(1.04)	\$ 323,667.00	46.95
29 KI-VALLEY GRAIN	\$ (3,593.92)	(3.31)	\$ (1,132.00)	\$ (343.62)	(1.04)	\$ 57,353.03	52.74
30							
31 SUBTOTAL INDUSTRIALS	\$ (265,380.19)	(3.31)	\$ (83,588.76)	\$ (25,373.72)	(1.04)	\$ 3,871,453.36	48.21
32							
33 JPI-SHELL OIL	\$ (1,824.53)	(3.31)	\$ (574.68)	\$ (174.45)	(1.04)	\$ 38,639.11	69.99
34							
35 TOTAL INDUSTRIALS	\$ (267,204.72)	(3.31)	\$ (84,163.44)	\$ (25,548.17)	(1.04)	\$ 3,910,092.47	48.36
36							
37							
38 GRAND TOTAL	\$ (975,420.67)	(3.31)	\$ (307,235.40)	\$ (93,262.62)	(1.04)	\$ 16,221,158.12	54.96
39							

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

	MRSM \$	MRSM MILLS/ KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/ KWH
1 AUGUST 2013				
2				
3 JP RURALS	\$ (396,955.43)	(6.45)	\$ 3,104,196.04	50.47
4 KENERGY RURALS	\$ (727,468.87)	(6.49)	\$ 5,735,234.09	51.19
5 MEADE CO. RURALS	\$ (264,416.65)	(6.49)	\$ 2,082,794.57	51.11
6				
7 TOTAL RURALS	\$ (1,388,840.95)	(6.48)	\$ 10,922,224.70	50.97
8				
9 KI-ACCURIDE	\$ (14,909.00)	(6.26)	\$ 111,794.46	46.94
10 KI-ALCOA	\$ (446.67)	(5.77)	\$ 4,868.67	62.92
11 KI-ALERIS	\$ (92,640.42)	(5.96)	\$ 645,268.97	41.54
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (4,130.18)	(6.99)	\$ 36,135.38	61.17
13 KI-ARMSTRONG - DOCK	\$ (24,818.01)	(6.40)	\$ 204,380.08	52.71
14 KI-ARMSTRONG - EQUALITY	\$ (8,878.05)	(6.23)	\$ 68,673.20	48.21
15 KI-ARMSTRONG - LEWIS	\$ (6,638.07)	(7.26)	\$ 63,629.08	69.57
16 KI-ARMSTRONG - MIDWAY	\$ (14,158.24)	(6.07)	\$ 101,518.22	43.55
17 KI-DOMTAR PAPER CO.	\$ (59,635.93)	(5.79)	\$ 395,720.77	38.44
18 KI-DOTIKI #3	\$ (664.34)	(5.94)	\$ 4,857.62	43.43
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (2,431.92)	(6.04)	\$ 17,305.79	43.01
20 KI-HOPKINS CO. COAL	\$ (308.53)	(6.11)	\$ 2,234.71	44.29
21 KI-KIMBERLY-CLARK	\$ (154,170.01)	(5.77)	\$ 1,014,282.83	37.93
22 KI-PATRIOT COAL, LP	\$ -	0.00	\$ -	0.00
23 KI-PENNYRILE ENERGY, LLC	\$ (2,576.96)	(17.51)	\$ 37,063.41	251.84
24 KI-PRECOAT	\$ (9,433.30)	(6.42)	\$ 73,709.23	50.14
25 KI-SEBREE MINING-KMMC	\$ (208.89)	(6.94)	\$ 1,785.64	59.33
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (9,556.34)	(7.50)	\$ 88,599.11	69.54
27 KI-SOUTHWIRE CO.	\$ (27,361.75)	(5.87)	\$ 185,639.55	39.82
28 KI-TYSON FOODS	\$ (40,910.25)	(5.93)	\$ 282,756.75	41.02
29 KI-VALLEY GRAIN	\$ (6,593.35)	(6.06)	\$ 50,759.68	46.68
30				
31 SUBTOTAL INDUSTRIALS	\$ (480,470.21)	(5.98)	\$ 3,390,983.15	42.23
32				
33 JPI-SHELL OIL	\$ (3,938.29)	(7.13)	\$ 34,700.82	62.86
34				
35 TOTAL INDUSTRIALS	\$ (484,408.50)	(5.99)	\$ 3,425,683.97	42.37
36				
37				
38 GRAND TOTAL	\$ (1,873,249.45)	(6.35)	\$ 14,347,908.67	48.61
39				

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

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 SEPTEMBER 2013							
2							
3 JP RURALS	131,292	52,701,500	\$ 2,225,399.40	\$ 1,581,045.00	\$ 3,806,444.40	\$ -	\$ -
4 KENERGY RURALS	242,436	95,494,851	\$ 4,109,290.20	\$ 2,864,845.53	\$ 6,974,135.73	\$ -	\$ -
5 MEADE CO. RURALS	88,230	33,755,720	\$ 1,495,498.50	\$ 1,012,671.60	\$ 2,508,170.10	\$ -	\$ -
6							
7 TOTAL RURALS	461,958.00	181,952,071.00	\$ 7,830,188.10	\$ 5,458,562.13	\$ 13,288,750.23	\$ -	\$ -
8							
9 KI-ACCURIDE	5,390	2,168,870	\$ 66,889.90	\$ 65,066.10	\$ 131,956.00	\$ -	\$ -
10 KI-ALCOA	108	72,780	\$ 1,340.28	\$ 2,183.40	\$ 3,523.68	\$ 1,923.55	\$ -
11 KI-ALERIS	26,486	14,968,640	\$ 328,691.26	\$ 449,059.20	\$ 777,750.46	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,001	511,080	\$ 24,832.41	\$ 15,332.40	\$ 40,164.81	\$ 1,176.00	\$ -
13 KI-ARMSTRONG - DOCK	9,633	3,862,640	\$ 119,545.53	\$ 115,879.20	\$ 235,424.73	\$ -	\$ 12,537.48
14 KI-ARMSTRONG - EQUALITY	3,207	1,371,270	\$ 39,798.87	\$ 41,138.10	\$ 80,936.97	\$ -	\$ 1,893.09
15 KI-ARMSTRONG - LEWIS	3,500	938,720	\$ 43,435.00	\$ 28,161.60	\$ 71,596.60	\$ -	\$ 3,580.78
16 KI-ARMSTRONG - MIDWAY	4,646	2,078,700	\$ 57,656.86	\$ 62,361.00	\$ 120,017.86	\$ 645.32	\$ -
17 KI-DOMTAR PAPER CO.	15,000	10,800,000	\$ 186,150.00	\$ 324,000.00	\$ 510,150.00	\$ -	\$ -
18 KI-DOTIKI #3	183	82,700	\$ 2,271.03	\$ 2,481.00	\$ 4,752.03	\$ 285.43	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	388,945	\$ 9,307.50	\$ 11,668.35	\$ 20,975.85	\$ -	\$ -
20 KI-HOPKINS CO. COAL	100	25,280	\$ 1,241.00	\$ 758.40	\$ 1,999.40	\$ -	\$ -
21 KI-KIMBERLY-CLARK	37,973	25,563,310	\$ 471,244.93	\$ 766,899.30	\$ 1,238,144.23	\$ -	\$ -
22 KI-PATRIOT COAL, LP	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
23 KI-PENNYRILE ENERGY, LLC	3,000	167,080	\$ 37,230.00	\$ 5,012.40	\$ 42,242.40	\$ -	\$ -
24 KI-PRECOAT	3,583	1,381,290	\$ 44,465.03	\$ 41,438.70	\$ 85,903.73	\$ -	\$ -
25 KI-SEBREE MINING-KMMC	100	27,700	\$ 1,241.00	\$ 831.00	\$ 2,072.00	\$ -	\$ -
26 KI-SEBREE MINING-STEAMPORT-ALLIED	6,270	2,376,462	\$ 77,810.70	\$ 71,293.86	\$ 149,104.56	\$ -	\$ -
27 KI-SOUTHWIRE CO.	7,235	4,420,550	\$ 89,786.35	\$ 132,616.50	\$ 222,402.85	\$ -	\$ -
28 KI-TYSON FOODS	11,833	5,974,160	\$ 146,847.53	\$ 179,224.80	\$ 326,072.33	\$ -	\$ -
29 KI-VALLEY GRAIN	2,233	963,600	\$ 27,711.53	\$ 28,908.00	\$ 56,619.53	\$ 4,269.04	\$ -
30							
31 SUBTOTAL INDUSTRIALS	143,231.00	78,143,777.00	\$ 1,777,496.71	\$ 2,344,313.31	\$ 4,121,810.02	\$ 8,299.34	\$ 18,011.35
32							
33 JPI-SHELL OIL	2,171.00	539,430.00	\$ 26,942.11	\$ 16,182.90	\$ 43,125.01	\$ -	\$ -
34							
35 TOTAL INDUSTRIALS	145,402.00	78,683,207.00	\$ 1,804,438.82	\$ 2,360,496.21	\$ 4,164,935.03	\$ 8,299.34	\$ 18,011.35
36							
37							
38 GRAND TOTAL	607,360.00	260,635,278.00	\$ 9,634,626.92	\$ 7,819,058.34	\$ 17,453,685.26	\$ 8,299.34	\$ 18,011.35
39							

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

	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH
1 SEPTEMBER 2013							
2							
3 JP RURALS	\$ 3,806,444.40	\$ 12.50	\$ 3,806,456.90	\$ 136,444.18	2.59	\$ 187,242.94	3.55
4 KENERGY RURALS	\$ 6,974,135.73	\$ -	\$ 6,974,135.73	\$ 247,236.17	2.59	\$ 342,953.18	3.59
5 MEADE CO. RURALS	\$ 2,508,170.10	\$ -	\$ 2,508,170.10	\$ 87,393.56	2.59	\$ 123,277.54	3.65
6							
7 TOTAL RURALS	\$ 13,288,750.23	\$ 12.50	\$ 13,288,762.73	\$ 471,073.91	2.59	\$ 653,473.66	3.59
8							
9 KI-ACCURIDE	\$ 131,956.00		\$ 131,956.00	\$ 5,615.20	2.59	\$ 6,526.96	3.01
10 KI-ALCOA	\$ 5,447.23		\$ 5,447.23	\$ 188.43	2.59	\$ 175.85	2.42
11 KI-ALERIS	\$ 777,750.46		\$ 777,750.46	\$ 38,753.81	2.59	\$ 38,699.49	2.59
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 41,340.81		\$ 41,340.81	\$ 1,323.19	2.59	\$ 1,971.02	3.86
13 KI-ARMSTRONG - DOCK	\$ 247,962.21		\$ 247,962.21	\$ 10,000.37	2.59	\$ 11,644.12	3.01
14 KI-ARMSTRONG - EQUALITY	\$ 82,830.06		\$ 82,830.06	\$ 3,550.22	2.59	\$ 4,007.70	2.92
15 KI-ARMSTRONG - LEWIS	\$ 75,177.38		\$ 75,177.38	\$ 2,430.35	2.59	\$ 3,516.39	3.75
16 KI-ARMSTRONG - MIDWAY	\$ 120,663.18		\$ 120,663.18	\$ 5,381.75	2.59	\$ 5,947.60	2.86
17 KI-DOMTAR PAPER CO.	\$ 510,150.00		\$ 510,150.00	\$ 27,961.20	2.59	\$ 25,487.25	2.36
18 KI-DOTIKI #3	\$ 5,037.46		\$ 5,037.46	\$ 214.11	2.59	\$ 235.53	2.85
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 20,975.85		\$ 20,975.85	\$ 1,006.98	2.59	\$ 1,042.17	2.68
20 KI-HOPKINS CO. COAL	\$ 1,999.40		\$ 1,999.40	\$ 65.45	2.59	\$ 98.10	3.88
21 KI-KIMBERLY-CLARK	\$ 1,238,144.23		\$ 1,238,144.23	\$ 66,183.41	2.59	\$ 61,789.96	2.42
22 KI-PATRIOT COAL, LP	\$ -		\$ -	\$ -	0.00	\$ -	0.00
23 KI-PENNYRILE ENERGY, LLC	\$ 42,242.40		\$ 42,242.40	\$ 432.57	2.59	\$ 2,034.07	12.17
24 KI-PRECOAT	\$ 85,903.73		\$ 85,903.73	\$ 3,576.16	2.59	\$ 4,245.85	3.07
25 KI-SEBREE MINING-KMMC	\$ 2,072.00		\$ 2,072.00	\$ 71.72	2.59	\$ 101.82	3.68
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 149,104.56		\$ 149,104.56	\$ 6,152.66	2.59	\$ 7,367.38	3.10
27 KI-SOUTHWIRE CO.	\$ 222,402.85		\$ 222,402.85	\$ 11,444.80	2.59	\$ 11,081.09	2.51
28 KI-TYSON FOODS	\$ 326,072.33		\$ 326,072.33	\$ 15,467.10	2.59	\$ 16,193.12	2.71
29 KI-VALLEY GRAIN	\$ 60,888.57		\$ 60,888.57	\$ 2,494.76	2.59	\$ 2,804.04	2.91
30							
31 SUBTOTAL INDUSTRIALS	\$ 4,148,120.71	\$ -	\$ 4,148,120.71	\$ 202,314.24	2.59	\$ 204,969.51	2.62
32							
33 JPI-SHELL OIL	\$ 43,125.01		\$ 43,125.01	\$ 1,396.58	2.59	\$ 2,115.31	3.92
34							
35 TOTAL INDUSTRIALS	\$ 4,191,245.72	\$ -	\$ 4,191,245.72	\$ 203,710.82	2.59	\$ 207,084.82	2.63
36							
37							
38 GRAND TOTAL	\$ 17,479,995.95	\$ 12.50	\$ 17,480,008.45	\$ 674,784.73	2.59	\$ 860,558.48	3.30
39							

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Witness: Nicholas R. Castlen

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

	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH
1 SEPTEMBER 2013							
2							
3 JP RURALS	\$ (174,178.46)	(3.31)	\$ (20,500.88)	\$ -	(0.39)	\$ 3,935,464.68	74.67
4 KENERGY RURALS	\$ (315,610.48)	(3.30)	\$ (37,147.50)	\$ -	(0.39)	\$ 7,211,567.10	75.52
5 MEADE CO. RURALS	\$ (111,562.65)	(3.30)	\$ (13,130.98)	\$ -	(0.39)	\$ 2,594,147.57	76.85
6							
7 TOTAL RURALS	\$ (601,351.59)	(3.30)	\$ (70,779.36)	\$ -	(0.39)	\$ 13,741,179.35	75.52
8							
9 KI-ACCURIDE	\$ (7,168.12)	(3.31)	\$ (843.69)	\$ -	(0.39)	\$ 136,086.35	62.75
10 KI-ALCOA	\$ (240.54)	(3.31)	\$ (28.31)	\$ -	(0.39)	\$ 5,542.66	76.16
11 KI-ALERIS	\$ (49,471.36)	(3.31)	\$ (5,822.80)	\$ -	(0.39)	\$ 799,909.60	53.44
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (1,689.12)	(3.31)	\$ (198.81)	\$ -	(0.39)	\$ 42,747.09	83.64
13 KI-ARMSTRONG - DOCK	\$ (12,766.03)	(3.31)	\$ (1,502.57)	\$ -	(0.39)	\$ 255,338.10	66.10
14 KI-ARMSTRONG - EQUALITY	\$ (4,532.05)	(3.31)	\$ (533.42)	\$ -	(0.39)	\$ 85,322.51	62.22
15 KI-ARMSTRONG - LEWIS	\$ (3,102.47)	(3.31)	\$ (365.16)	\$ -	(0.39)	\$ 77,656.49	82.73
16 KI-ARMSTRONG - MIDWAY	\$ (6,870.10)	(3.30)	\$ (808.61)	\$ -	(0.39)	\$ 124,313.82	59.80
17 KI-DOMTAR PAPER CO.	\$ (35,694.00)	(3.31)	\$ (4,201.20)	\$ -	(0.39)	\$ 523,703.25	48.49
18 KI-DOTIKI #3	\$ (273.32)	(3.30)	\$ (32.17)	\$ -	(0.39)	\$ 5,181.61	62.66
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (1,285.46)	(3.30)	\$ (151.30)	\$ -	(0.39)	\$ 21,588.24	55.50
20 KI-HOPKINS CO. COAL	\$ (83.55)	(3.30)	\$ (9.83)	\$ -	(0.39)	\$ 2,069.57	81.87
21 KI-KIMBERLY-CLARK	\$ (84,486.74)	(3.31)	\$ (9,944.13)	\$ -	(0.39)	\$ 1,271,686.73	49.75
22 KI-PATRIOT COAL, LP	\$ -	0.00	\$ -	\$ -	0.00	\$ -	-
23 KI-PENNYRILE ENERGY, LLC	\$ (552.20)	(3.31)	\$ (64.99)	\$ -	(0.39)	\$ 44,091.85	263.90
24 KI-PRECOAT	\$ (4,565.16)	(3.30)	\$ (537.32)	\$ -	(0.39)	\$ 88,623.26	64.16
25 KI-SEBREE MINING-KMMC	\$ (91.55)	(3.31)	\$ (10.78)	\$ -	(0.39)	\$ 2,143.21	77.37
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (7,854.21)	(3.31)	\$ (924.44)	\$ -	(0.39)	\$ 153,845.95	64.74
27 KI-SOUTHWIRE CO.	\$ (14,609.92)	(3.31)	\$ (1,719.59)	\$ -	(0.39)	\$ 228,599.23	51.71
28 KI-TYSON FOODS	\$ (19,744.60)	(3.31)	\$ (2,323.95)	\$ -	(0.39)	\$ 335,664.00	56.19
29 KI-VALLEY GRAIN	\$ (3,184.70)	(3.31)	\$ (374.84)	\$ -	(0.39)	\$ 62,627.83	64.99
30							
31 SUBTOTAL INDUSTRIALS	\$ (258,265.20)	(3.31)	\$ (30,397.91)	\$ -	(0.39)	\$ 4,266,741.35	54.60
32							
33 JPI-SHELL OIL	\$ (1,782.82)	(3.31)	\$ (209.84)	\$ -	(0.39)	\$ 44,644.24	82.76
34							
35 TOTAL INDUSTRIALS	\$ (260,048.02)	(3.31)	\$ (30,607.75)	\$ -	(0.39)	\$ 4,311,385.59	54.79
36							
37							
38 GRAND TOTAL	\$ (861,399.61)	(3.31)	\$ (101,387.11)	\$ -	(0.39)	\$ 18,052,564.94	69.26
39							

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Witness: Nicholas R. Castlen

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

	MRS M	MRS M	REVENUE \$ NET OF MRS M	REV NET OF MRS M
	\$	MILLS/ KWH	\$	MILLS/ KWH
1 SEPTEMBER 2013				
2				
3 JP RURALS	\$ (318,785.88)	(6.05)	\$ 3,616,678.80	68.63
4 KENERGY RURALS	\$ (581,308.33)	(6.09)	\$ 6,630,258.77	69.43
5 MEADE CO. RURALS	\$ (207,531.82)	(6.15)	\$ 2,386,615.75	70.70
6				
7 TOTAL RURALS	\$ (1,107,626.03)	(6.09)	\$ 12,633,553.32	69.43
8				
9 KI-ACCURIDE	\$ (11,940.45)	(5.51)	\$ 124,145.90	57.24
10 KI-ALCOA	\$ (357.51)	(4.91)	\$ 5,185.15	71.24
11 KI-ALERIS	\$ (76,061.21)	(5.08)	\$ 723,848.39	48.36
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (3,246.68)	(6.35)	\$ 39,500.41	77.29
13 KI-ARMSTRONG - DOCK	\$ (21,285.26)	(5.51)	\$ 234,052.84	60.59
14 KI-ARMSTRONG - EQUALITY	\$ (7,430.39)	(5.42)	\$ 77,892.12	56.80
15 KI-ARMSTRONG - LEWIS	\$ (5,859.44)	(6.24)	\$ 71,797.05	76.48
16 KI-ARMSTRONG - MIDWAY	\$ (11,136.03)	(5.36)	\$ 113,177.79	54.45
17 KI-DOMTAR PAPER CO.	\$ (52,444.05)	(4.86)	\$ 471,259.20	43.64
18 KI-DOTIKI #3	\$ (441.95)	(5.34)	\$ 4,739.66	57.31
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (2,012.98)	(5.18)	\$ 19,575.26	50.33
20 KI-HOPKINS CO. COAL	\$ (161.20)	(6.38)	\$ 1,908.37	75.49
21 KI-KIMBERLY-CLARK	\$ (125,595.98)	(4.91)	\$ 1,146,090.75	44.83
22 KI-PATRIOT COAL, LP	\$ -	0.00	\$ -	0.00
23 KI-PENNYRILE ENERGY, LLC	\$ (2,451.10)	(14.67)	\$ 41,640.75	249.23
24 KI-PRECOAT	\$ (7,693.55)	(5.57)	\$ 80,929.71	58.59
25 KI-SEBREE MINING-KMMC	\$ (170.96)	(6.17)	\$ 1,972.25	71.20
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (13,299.03)	(5.60)	\$ 140,546.92	59.14
27 KI-SOUTHWIRE CO.	\$ (22,114.78)	(5.00)	\$ 206,484.45	46.71
28 KI-TYSON FOODS	\$ (31,104.62)	(5.21)	\$ 304,559.38	50.98
29 KI-VALLEY GRAIN	\$ (5,209.18)	(5.41)	\$ 57,418.65	59.59
30				
31 SUBTOTAL INDUSTRIALS	\$ (400,016.35)	(5.12)	\$ 3,866,725.00	49.48
32				
33 JPI-SHELL OIL	\$ (3,461.72)	(6.42)	\$ 41,182.52	76.34
34				
35 TOTAL INDUSTRIALS	\$ (403,478.07)	(5.13)	\$ 3,907,907.52	49.67
36				
37				
38 GRAND TOTAL	\$ (1,511,104.10)	(5.80)	\$ 16,541,460.84	63.47
39				

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Witness: Nicholas R. Castlen

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

	KW BILLED	KWH	DEMAND \$	BASE ENERGY \$	DEMAND \$ AND ENERGY \$	POWER FACTOR PENALTY (PFP) \$	BILLING ADJ
1 OCTOBER 2013							
2							
3 JP RURALS	92,793	45,641,250	\$ 1,198,328.80	\$ 1,597,443.75	\$ 2,795,772.55	\$ -	\$ -
4 KENERGY RURALS	185,177	87,183,116	\$ 2,391,375.78	\$ 3,051,409.06	\$ 5,442,784.84	\$ -	\$ -
5 MEADE CO. RURALS	80,905	32,669,810	\$ 1,044,807.17	\$ 1,143,443.35	\$ 2,188,250.52	\$ -	\$ -
6							
7 TOTAL RURALS	358,875.00	165,494,176.00	\$ 4,634,511.75	\$ 5,792,296.16	\$ 10,426,807.91	\$ -	\$ -
8							
9 KI-ACCURIDE	5,345	2,164,170	\$ 57,271.68	\$ 64,925.10	\$ 122,196.78	\$ -	\$ -
10 KI-ALCOA	154	81,870	\$ 1,650.11	\$ 2,456.10	\$ 4,106.21	\$ 1,393.66	\$ -
11 KI-ALERIS	27,024	14,220,156	\$ 289,562.16	\$ 426,604.68	\$ 716,166.84	\$ -	\$ -
12 KI-AMG ALUMINUM NORTH AMERICA	2,009	715,420	\$ 21,526.44	\$ 21,462.60	\$ 42,989.04	\$ (59.70)	\$ -
13 KI-ARMSTRONG - DOCK	10,130	4,385,890	\$ 108,542.95	\$ 131,576.70	\$ 240,119.65	\$ -	\$ 12,291.67
14 KI-ARMSTRONG - EQUALITY	3,062	1,484,570	\$ 32,809.33	\$ 44,537.10	\$ 77,346.43	\$ -	\$ 4,141.15
15 KI-ARMSTRONG - LEWIS	3,500	1,119,500	\$ 37,502.50	\$ 33,585.00	\$ 71,087.50	\$ -	\$ 5,359.41
16 KI-ARMSTRONG - MIDWAY	4,716	2,233,140	\$ 50,531.94	\$ 66,994.20	\$ 117,526.14	\$ 567.90	\$ -
17 KI-DOMTAR PAPER CO.	15,000	11,160,000	\$ 160,725.00	\$ 334,800.00	\$ 495,525.00	\$ -	\$ -
18 KI-DOTIKI #3	180	103,460	\$ 1,928.70	\$ 3,103.80	\$ 5,032.50	\$ 168.29	\$ -
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	750	414,120	\$ 8,036.25	\$ 12,423.60	\$ 20,459.85	\$ -	\$ -
20 KI-HOPKINS CO. COAL	100	30,250	\$ 1,071.50	\$ 907.50	\$ 1,979.00	\$ -	\$ -
21 KI-KIMBERLY-CLARK	37,930	26,832,310	\$ 406,419.95	\$ 804,969.30	\$ 1,211,389.25	\$ -	\$ -
22 KI-PATRIOT COAL, LP	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
23 KI-PENNYRILE ENERGY, LLC	3,000	257,240	\$ 32,145.00	\$ 7,717.20	\$ 39,862.20	\$ -	\$ -
24 KI-PRECOAT	3,531	1,466,530	\$ 37,834.67	\$ 43,995.90	\$ 81,830.57	\$ (48.00)	\$ -
25 KI-SEBREE MINING-KMMC	129	42,560	\$ 1,382.24	\$ 1,276.80	\$ 2,659.04	\$ -	\$ -
26 KI-SEBREE MINING-STEAMPORT-ALLIED	6,785	3,002,440	\$ 72,701.28	\$ 90,073.20	\$ 162,774.48	\$ -	\$ -
27 KI-SOUTHWIRE CO.	7,356	4,252,540	\$ 78,819.54	\$ 127,576.20	\$ 206,395.74	\$ -	\$ -
28 KI-TYSON FOODS	10,990	6,300,138	\$ 117,757.85	\$ 189,004.14	\$ 306,761.99	\$ -	\$ -
29 KI-VALLEY GRAIN	2,505	1,258,410	\$ 26,841.08	\$ 37,752.30	\$ 64,593.38	\$ 3,013.14	\$ -
30							
31 SUBTOTAL INDUSTRIALS	144,196.00	81,524,714.00	\$ 1,545,060.17	\$ 2,445,741.42	\$ 3,990,801.59	\$ 5,035.29	\$ 21,792.23
32							
33 JPI-SHELL OIL	1,998.00	492,790.00	\$ 21,408.57	\$ 14,783.70	\$ 36,192.27	\$ -	\$ -
34							
35 TOTAL INDUSTRIALS	146,194.00	82,017,504.00	\$ 1,566,468.74	\$ 2,460,525.12	\$ 4,026,993.86	\$ 5,035.29	\$ 21,792.23
36							
37							
38 GRAND TOTAL	505,069.00	247,511,680.00	\$ 6,200,980.49	\$ 8,252,821.28	\$ 14,453,801.77	\$ 5,035.29	\$ 21,792.23

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Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

Big Rivers Electric Corporation

Monthly Billing Summary

Electric Utility Sales

October 2013

	CN 2012-00535 SUBJECT TO ES CALC	GP & PFP ADJ INCL IN CN 2012-00535 (NOT SUBJECT TO ES CALC)	INTERST IN CN 2012-00535 (NOT SUBJECT TO ES CALC)	DEMAND \$ ENERGY \$ AND PFP \$	GREEN POWER \$	DEMAND \$ ENERGY \$ PFP \$ AND GREEN POWER \$
1 OCTOBER 2013						
2						
3 JP RURALS	\$ (346,610.55)	\$ (3.47)	\$ (38.27)	\$ 2,449,120.26	\$ 10.00	\$ 2,449,130.26
4 KENERGY RURALS	\$ (645,767.64)	\$ -	\$ (75.37)	\$ 4,796,941.83	\$ -	\$ 4,796,941.83
5 MEADE CO. RURALS	\$ (242,793.10)	\$ -	\$ (28.43)	\$ 1,945,428.99	\$ -	\$ 1,945,428.99
6						
7 TOTAL RURALS	\$ (1,235,171.29)	\$ (3.47)	\$ (142.07)	\$ 9,191,491.08	\$ 10.00	\$ 9,191,501.08
8						
9 KI-ACCURIDE	\$ (12,647.65)	\$ -	\$ (1.54)	\$ 109,547.59		\$ 109,547.59
10 KI-ALCOA	\$ (257.20)	\$ (364.43)	\$ (0.07)	\$ 4,878.17		\$ 4,878.17
11 KI-ALERIS	\$ (62,460.97)	\$ -	\$ (7.61)	\$ 653,698.26		\$ 653,698.26
12 KI-AMG ALUMINUM NORTH AMERICA	\$ (4,704.62)	\$ (223.30)	\$ (0.60)	\$ 38,000.82		\$ 38,000.82
13 KI-ARMSTRONG - DOCK	\$ (22,623.50)	\$ -	\$ (2.75)	\$ 229,785.07		\$ 229,785.07
14 KI-ARMSTRONG - EQUALITY	\$ (7,461.34)	\$ -	\$ (0.90)	\$ 74,025.34		\$ 74,025.34
15 KI-ARMSTRONG - LEWIS	\$ (8,228.95)	\$ -	\$ (1.00)	\$ 68,216.96		\$ 68,216.96
16 KI-ARMSTRONG - MIDWAY	\$ (10,766.53)	\$ (88.14)	\$ (1.31)	\$ 107,238.06		\$ 107,238.06
17 KI-DOMTAR PAPER CO.	\$ (35,266.94)	\$ -	\$ (4.44)	\$ 460,253.62		\$ 460,253.62
18 KI-DOTIKI #3	\$ (436.17)	\$ (52.77)	\$ (0.06)	\$ 4,711.79		\$ 4,711.79
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ (1,763.35)	\$ -	\$ (0.21)	\$ 18,696.29		\$ 18,696.29
20 KI-HOPKINS CO. COAL	\$ (235.11)	\$ -	\$ (0.03)	\$ 1,743.86		\$ 1,743.86
21 KI-KIMBERLY-CLARK	\$ (89,251.21)	\$ -	\$ (11.24)	\$ 1,122,126.80		\$ 1,122,126.80
22 KI-PATRIOT COAL, LP	\$ -	\$ -	\$ -	\$ -		\$ -
23 KI-PENNYRILE ENERGY, LLC	\$ (7,053.39)	\$ -	\$ (0.86)	\$ 32,807.95		\$ 32,807.95
24 KI-PRECOAT	\$ (8,454.28)	\$ (26.90)	\$ (1.04)	\$ 73,300.35		\$ 73,300.35
25 KI-SEBREE MINING-KMMC	\$ (235.11)	\$ -	\$ (0.03)	\$ 2,423.90		\$ 2,423.90
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ (14,597.23)	\$ -	\$ (1.76)	\$ 148,175.49		\$ 148,175.49
27 KI-SOUTHWIRE CO.	\$ (17,005.18)	\$ -	\$ (2.07)	\$ 189,388.49		\$ 189,388.49
28 KI-TYSON FOODS	\$ (27,727.09)	\$ -	\$ (3.36)	\$ 279,031.54		\$ 279,031.54
29 KI-VALLEY GRAIN	\$ (5,156.25)	\$ (774.01)	\$ (0.71)	\$ 61,675.55		\$ 61,675.55
30						
31 SUBTOTAL INDUSTRIALS	\$ (336,332.07)	\$ (1,529.55)	\$ (41.59)	\$ 3,679,725.90	\$ -	\$ 3,679,725.90
32						
33 JPI-SHELL OIL	\$ (5,068.88)	\$ -	\$ (0.58)	\$ 31,122.81		\$ 31,122.81
34						
35 TOTAL INDUSTRIALS	\$ (341,400.95)	\$ (1,529.55)	\$ (42.17)	\$ 3,710,848.71	\$ -	\$ 3,710,848.71
36						
37						
38 GRAND TOTAL	\$ (1,576,572.24)	\$ (1,533.02)	\$ (184.24)	\$ 12,902,339.79	\$ 10.00	\$ 12,902,349.79

Case No. 2013-00449

Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

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

	FUEL ADJUSTMENT CLAUSE \$	FAC MILLS/ KWH	ES \$	ES MILLS/ KWH	UNWIND SURCREDIT (US) \$	US MILLS/ KWH	NON SMELTER NON FAC PPA
1 OCTOBER 2013							
2							
3 JP RURALS	\$ 127,841.14	2.80	\$ 131,619.32	2.88	\$ (150,844.33)	(3.30)	\$ (17,754.45)
4 KENERGY RURALS	\$ 244,199.91	2.80	\$ 257,520.03	2.95	\$ (288,140.20)	(3.31)	\$ (33,914.23)
5 MEADE CO. RURALS	\$ 91,508.14	2.80	\$ 104,105.29	3.19	\$ (107,973.72)	(3.30)	\$ (12,708.56)
6							
7 TOTAL RURALS	\$ 463,549.19	2.80	\$ 493,244.64	2.98	\$ (546,958.25)	(3.30)	\$ (64,377.24)
8							
9 KI-ACCURIDE	\$ 6,061.84	2.80	\$ 5,902.45	2.73	\$ (7,152.58)	(3.30)	\$ (841.86)
10 KI-ALCOA	\$ 229.32	2.80	\$ 208.11	2.54	\$ (270.58)	(3.30)	\$ (31.85)
11 KI-ALERIS	\$ 39,830.66	2.80	\$ 35,383.33	2.49	\$ (46,997.62)	(3.31)	\$ (5,531.64)
12 KI-AMG ALUMINUM NORTH AMERICA	\$ 2,003.89	2.80	\$ 2,057.67	2.88	\$ (2,364.46)	(3.30)	\$ (278.30)
13 KI-ARMSTRONG - DOCK	\$ 12,284.88	2.80	\$ 11,729.64	2.67	\$ (14,495.37)	(3.31)	\$ (1,706.11)
14 KI-ARMSTRONG - EQUALITY	\$ 4,158.28	2.80	\$ 3,778.27	2.55	\$ (4,906.50)	(3.30)	\$ (577.50)
15 KI-ARMSTRONG - LEWIS	\$ 3,135.72	2.80	\$ 3,371.62	3.01	\$ (3,699.95)	(3.31)	\$ (435.49)
16 KI-ARMSTRONG - MIDWAY	\$ 6,255.03	2.80	\$ 5,767.54	2.58	\$ (7,380.53)	(3.31)	\$ (868.69)
17 KI-DOMTAR PAPER CO.	\$ 31,259.16	2.80	\$ 25,054.92	2.25	\$ (36,883.80)	(3.31)	\$ (4,341.24)
18 KI-DOTIKI #3	\$ 289.79	2.80	\$ 249.22	2.41	\$ (341.94)	(3.31)	\$ (40.25)
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ 1,159.95	2.80	\$ 1,012.91	2.45	\$ (1,368.67)	(3.31)	\$ (161.09)
20 KI-HOPKINS CO. COAL	\$ 84.73	2.80	\$ 93.44	3.09	\$ (99.98)	(3.31)	\$ (11.77)
21 KI-KIMBERLY-CLARK	\$ 75,157.30	2.80	\$ 61,038.77	2.27	\$ (88,680.78)	(3.30)	\$ (10,437.77)
22 KI-PATRIOT COAL, LP	\$ -	0.00	\$ -	0.00	\$ -	0.00	\$ -
23 KI-PENNYRILE ENERGY, LLC	\$ 720.53	2.80	\$ 1,719.23	6.68	\$ (850.18)	(3.31)	\$ (100.07)
24 KI-PRECOAT	\$ 4,107.75	2.80	\$ 3,955.58	2.70	\$ (4,846.88)	(3.30)	\$ (570.48)
25 KI-SEBREE MINING-KMMC	\$ 119.21	2.80	\$ 129.94	3.05	\$ (140.66)	(3.30)	\$ (16.56)
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ 8,409.83	2.80	\$ 7,993.03	2.66	\$ (9,923.06)	(3.30)	\$ (1,167.95)
27 KI-SOUTHWIRE CO.	\$ 11,911.36	2.80	\$ 10,267.66	2.41	\$ (14,054.64)	(3.30)	\$ (1,654.24)
28 KI-TYSON FOODS	\$ 17,646.69	2.80	\$ 15,131.97	2.40	\$ (20,821.96)	(3.31)	\$ (2,450.75)
29 KI-VALLEY GRAIN	\$ 3,524.81	2.80	\$ 3,212.89	2.55	\$ (4,159.05)	(3.31)	\$ (489.52)
30							
31 SUBTOTAL INDUSTRIALS	\$ 228,350.73	2.80	\$ 198,058.19	2.43	\$ (269,439.19)	(3.31)	\$ (31,713.13)
32							
33 JPI-SHELL OIL	\$ 1,380.30	2.80	\$ 1,661.77	3.37	\$ (1,628.67)	(3.30)	\$ (191.70)
34							
35 TOTAL INDUSTRIALS	\$ 229,731.03	2.80	\$ 199,719.96	2.44	\$ (271,067.86)	(3.31)	\$ (31,904.83)
36							
37							
38 GRAND TOTAL	\$ 693,280.22	2.80	\$ 692,964.60	2.80	\$ (818,026.11)	(3.31)	\$ (96,282.07)
39 Case No. 2013-00449							

Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

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

	NON SMELTER NON FAC PPA	NSNFPPA MILLS/ KWH	REVENUE \$	REVENUE MILLS/ KWH	MRSM \$	MRSM MILLS/ KWH	REVENUE \$ NET OF MRSM \$	REV NET OF MRSM MILLS/ KWH
1 OCTOBER 2013								
2								
3 JP RURALS	\$ -	(0.39)	\$ 2,539,991.94	55.65	\$ (255,215.83)	(5.59)	\$ 2,284,776.11	50.06
4 KENERGY RURALS	\$ -	(0.39)	\$ 4,976,607.34	57.08	\$ (493,611.91)	(5.66)	\$ 4,482,995.43	51.42
5 MEADE CO. RURALS	\$ -	(0.39)	\$ 2,020,360.14	61.84	\$ (192,575.14)	(5.89)	\$ 1,827,785.00	55.95
6								
7 TOTAL RURALS	\$ -	(0.39)	\$ 9,536,959.42	57.63	\$ (941,402.88)	(5.69)	\$ 8,595,556.54	51.94
8								
9 KI-ACCURIDE	\$ -	(0.39)	\$ 113,517.44	52.45	\$ (11,763.02)	(5.44)	\$ 101,754.42	47.02
10 KI-ALCOA	\$ -	(0.39)	\$ 5,013.17	61.23	\$ (429.82)	(5.25)	\$ 4,583.35	55.98
11 KI-ALERIS	\$ -	(0.39)	\$ 676,382.99	47.57	\$ (73,891.51)	(5.20)	\$ 602,491.48	42.37
12 KI-AMG ALUMINUM NORTH AMERICA	\$ -	(0.39)	\$ 39,419.62	55.10	\$ (3,995.03)	(5.58)	\$ 35,424.59	49.52
13 KI-ARMSTRONG - DOCK	\$ -	(0.39)	\$ 237,598.11	54.17	\$ (23,606.63)	(5.38)	\$ 213,991.48	48.79
14 KI-ARMSTRONG - EQUALITY	\$ -	(0.39)	\$ 76,477.89	51.52	\$ (7,798.49)	(5.25)	\$ 68,679.40	46.26
15 KI-ARMSTRONG - LEWIS	\$ -	(0.39)	\$ 70,588.86	63.05	\$ (6,403.22)	(5.72)	\$ 64,185.64	57.33
16 KI-ARMSTRONG - MIDWAY	\$ -	(0.39)	\$ 111,011.41	49.71	\$ (11,814.89)	(5.29)	\$ 99,196.52	44.42
17 KI-DOMTAR PAPER CO.	\$ -	(0.39)	\$ 475,342.66	42.59	\$ (55,276.20)	(4.95)	\$ 420,066.46	37.64
18 KI-DOTIKI #3	\$ -	(0.39)	\$ 4,868.61	47.06	\$ (529.38)	(5.12)	\$ 4,339.23	41.94
19 KI-ELK CREEK MINE - HOPKINS CO. COAL	\$ -	(0.39)	\$ 19,339.39	46.70	\$ (2,134.34)	(5.15)	\$ 17,205.05	41.55
20 KI-HOPKINS CO. COAL	\$ -	(0.39)	\$ 1,810.28	59.84	\$ (175.35)	(5.80)	\$ 1,634.93	54.05
21 KI-KIMBERLY-CLARK	\$ -	(0.39)	\$ 1,159,204.32	43.20	\$ (133,700.67)	(4.98)	\$ 1,025,503.65	38.22
22 KI-PATRIOT COAL, LP	\$ -	0.00	\$ -	-	\$ -	0.00	\$ -	0.00
23 KI-PENNYRILE ENERGY, LLC	\$ -	(0.39)	\$ 34,297.46	133.33	\$ (2,415.83)	(9.39)	\$ 31,881.63	123.94
24 KI-PRECOAT	\$ -	(0.39)	\$ 75,946.32	51.79	\$ (7,926.94)	(5.41)	\$ 68,019.38	46.38
25 KI-SEBREE MINING-KMMC	\$ -	(0.39)	\$ 2,515.83	59.11	\$ (245.19)	(5.76)	\$ 2,270.64	53.35
26 KI-SEBREE MINING-STEAMPORT-ALLIED	\$ -	(0.39)	\$ 153,487.34	51.12	\$ (16,123.64)	(5.37)	\$ 137,363.70	45.75
27 KI-SOUTHWIRE CO.	\$ -	(0.39)	\$ 195,858.63	46.06	\$ (21,783.54)	(5.12)	\$ 174,075.09	40.93
28 KI-TYSON FOODS	\$ -	(0.39)	\$ 288,537.49	45.80	\$ (32,192.74)	(5.11)	\$ 256,344.75	40.69
29 KI-VALLEY GRAIN	\$ -	(0.39)	\$ 63,764.68	50.67	\$ (6,620.66)	(5.26)	\$ 57,144.02	45.41
30								
31 SUBTOTAL INDUSTRIALS	\$ -	(0.39)	\$ 3,804,982.50	46.67	\$ (418,827.09)	(5.14)	\$ 3,386,155.41	41.54
32								
33 JPI-SHELL OIL	\$ -	(0.39)	\$ 32,344.51	65.64	\$ (2,996.24)	(6.08)	\$ 29,348.27	59.56
34								
35 TOTAL INDUSTRIALS	\$ -	(0.39)	\$ 3,837,327.01	46.79	\$ (421,823.33)	(5.14)	\$ 3,415,503.68	41.64
36								
37								
38 GRAND TOTAL	\$ -	(0.39)	\$ 13,374,286.43	54.03	\$ (1,363,226.21)	(5.51)	\$ 12,011,060.22	48.53

Case No. 2013-00449

Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

Big Rivers Electric Corporation Monthly Billing Summary Smelters May 2013

1 MAY 2013

	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH
2						
3	BASE MONTHLY ENERGY -					
4	CENTURY ALUMINUM					
	(Special Contract)					
	356,877,178	-	499,315	-	357,376,493	48.99
5	ALCAN RIO TINTO					
	(Special Contract)					
	270,606,008	2,591,000	1,155,176	-	274,352,184	49.01
6	627,483,186	2,591,000	1,654,491	-	631,728,677	
7						
8	BASE FIXED ENERGY					
9	CENTURY ALUMINUM					
	(Special Contract)					
	351,435,840					
10	ALCAN RIO TINTO					
	(Special Contract)					
	268,316,160					
11	619,752,000					
12						
13						
14						
15	BASE VARIABLE ENERGY					
16	CENTURY ALUMINUM					
	(Special Contract)					
	5,441,338					
17	ALCAN RIO TINTO					
	(Special Contract)					
	2,289,848					
18	7,731,186					
19						
20						
21						
22		TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	SUPPLEMENTAL	ADJ
23	CENTURY ALUMINUM					
	(Special Contract)					
	\$ 1,014,770.99	\$ -	\$ 21,854.64	\$ -	\$ 3,536.54	
24	ALCAN RIO TINTO					
	(Special Contract)					
	\$ 776,638.24	\$ -	\$ 48,859.17	\$ 96,013.54	\$ 3,332.59	
25	\$ 1,791,409.23	\$ -	\$ 70,713.81	\$ 96,013.54	\$ 6,869.13	
26	CENTURY ALUMINUM					
	(Special Contract)					
27	ALCAN RIO TINTO					
	(Special Contract)					
28	TOTAL CENTURY/ ALCAN RIO TINTO					
29	ADJ FOR CN 2011-00036- CENTURY ¹					
30	ADJ FOR CN 2011-00036- ALCAN ¹					
31	BALANCE AS SHOWN ON OPERATING REPORT					
32						
33						

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

1 MAY 2013

	FAC		ES		NONFAC PPA			TOTAL FACES, NONFAC PPA, SURCHARGE
	AMT	MILLS	AMT	MIL LS	AMT	MILLS	SURCHARGE	
2								
3	BASE MONTHLY ENERGY -							
4	CENTURY ALUMINUM (Special Contract)							
5	\$ 1,271,553.38	3.56	\$ 744,719.37	2.09	\$ (179,866.10)	(0.50)	\$ 653,271.01	\$ 2,489,677.66
6	ALCAN RIO TINTO (Special Contract)							
7	\$ 964,169.21	3.56	\$ 564,691.57	2.09	\$ (136,385.43)	(0.50)	\$ 498,764.39	\$ 1,891,239.74
8	<u>\$ 2,235,722.59</u>		<u>\$ 1,309,410.94</u>		<u>\$ (316,251.53)</u>		<u>\$ 1,152,035.40</u>	<u>\$ 4,380,917.40</u>
9	BASE FIXED ENERGY CENTURY ALUMINUM (Special Contract)							
10	ALCAN RIO TINTO (Special Contract)							
11								\$ 13,858,872.35
12								\$ 10,581,047.77
13								
14								
15	BASE VARIABLE ENERGY							
16	CENTURY ALUMINUM (Special Contract)							
17	ALCAN RIO TINTO (Special Contract)							
18								\$ 118,653.81
19								\$ 49,932.43
20								
21								
22								
23	CENTURY ALUMINUM (Special Contract)							
24	ALCAN RIO TINTO (Special Contract)							
25								\$ 1,040,162.17
26	CENTURY ALUMINUM (Special Contract)							
27	ALCAN RIO TINTO (Special Contract)							
28								\$ 17,507,365.99
29	TOTAL CENTURY/ ALCAN RIO TINTO							
30								\$ 13,447,063.48
31								\$ 30,954,429.47
32								
33	ADJ FOR CN 2011-00036- CENTURY ¹							
							(3,352.98)	\$ 17,504,013.01
	ADJ FOR CN 2011-00036- ALCAN ¹							
							(2,559.76)	\$ 13,444,503.72
	BALANCE AS SHOWN ON OPERATING REPORT							
								\$ 30,948,516.73

¹ Billing adjustment related to Case No. 2011-00036 rehearing. Additional \$1,355,168.61 authorized to be billed to members over period March 2013 - July 2013. The total \$1,355,168.61 was recognized as revenue in February 2013 (the month the order was received). Accordingly, these amounts are not included in reported revenue during the months of March 2013 through July 2013.

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

1 JUNE 2013

	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH
2						
3	BASE MONTHLY ENERGY -					
4						
5						
6						
7						
8	BASE FIXED ENERGY					
9						
10						
11						
12						
13						
14						
15	BASE VARIABLE ENERGY					
16						
17						
18						
19						
20						
21						
22		TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	SUPPLEMENTAL	ADJ
23		\$ 1,014,770.99	\$ -	\$ 5,986.56	\$ -	\$ 3,352.98
24		\$ 776,638.24	\$ -	\$ 1,559.19	\$ -	\$ 2,559.75
25		\$ 1,791,409.23	\$ -	\$ 7,545.75	\$ -	\$ 5,912.73
26						
27						
28						
29						
30						
31						
32						

33

Big Rivers Electric Corporation

Monthly Billing Summary

Smelters

June 2013

1 JUNE 2013

	FAC		ES		NONFAC PPA			TOTAL FAC,ES, NONFAC PPA,
	AMT	MILLS	AMT	MIL LS	AMT	MILLS	SURCHARGE	SURCHARGE
2								
3	BASE MONTHLY ENERGY -							
4	CENTURY ALUMINUM							
	(Special Contract)							
	\$ 1,230,364.90	3.57	\$ 772,160.33	2.24	\$ (199,835.24)	(0.58)	\$ 639,667.04	\$ 2,442,357.03
5	ALCAN RIO TINTO							
	(Special Contract)							
	\$ 929,381.94	3.57	\$ 583,267.50	2.24	\$ (150,949.74)	(0.58)	\$ 488,377.96	\$ 1,850,077.66
6	<u>\$ 2,159,746.84</u>		<u>\$ 1,355,427.83</u>		<u>\$ (350,784.98)</u>		<u>\$ 1,128,045.00</u>	<u>\$ 4,292,434.69</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)							
								\$ 96,912.77
17	ALCAN RIO TINTO							
	(Special Contract)							
								\$ 13,026.31
18								
19								
20								
21								
22								
23	CENTURY ALUMINUM							
	(Special Contract)							
								\$ 1,024,110.53
24	ALCAN RIO TINTO							
	(Special Contract)							
								\$ 780,757.18
25								
26	CENTURY ALUMINUM							
	(Special Contract)							
								\$ 16,975,192.28
27	ALCAN RIO TINTO							
	(Special Contract)							
								\$ 12,883,584.80
28	TOTAL CENTURY/ ALCAN RIO TINTO							
								\$ 29,858,777.08
29								
30	ADJ FOR CN 2011-00036- CENTURY ¹							
						(3,352.98)		\$ 16,971,839.30
31	ADJ FOR CN 2011-00036- ALCAN ¹							
						(2,559.75)		\$ 12,881,025.05
32	BALANCE AS SHOWN ON OPERATING REPORT							
								\$ 29,852,864.35

33

¹ Billing adjustment related to Case No. 2011-00036 rehearing. Additional \$1,355,168.61 authorized to be billed to members over period March 2013 - July 2013. The total \$1,355,168.61 was recognized as revenue in February 2013 (the month the order was received). Accordingly, these amounts are not included in reported revenue during the months of March 2013 through July 2013.

Big Rivers Electric Corporation

Monthly Billing Summary

Smelters

July 2013

1 JULY 2013

	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH
2						
3	BASE MONTHLY ENERGY -					
4						
5						
6						
7						
8	BASE FIXED ENERGY					
9						
10						
11						
12						
13						
14						
15	BASE VARIABLE ENERGY					
16						
17						
18						
19						
20						
21						
22		TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	SUPPLEMENTAL	ADJ
23		\$ 1,014,770.99	\$ -	\$ 4,981.26	\$ -	\$ 3,316.50
24		\$ 776,638.24	\$ (123,155.84)	\$ 4,401.96	\$ -	\$ 2,196.18
25		\$ 1,791,409.23	\$ (123,155.84)	\$ 9,383.22	\$ -	\$ 5,512.68
26						
27						
28						
29						
30						
31						
32						

33

Big Rivers Electric Corporation

Monthly Billing Summary

Smelters

July 2013

1 JULY 2013

	FAC		ES		NONFAC PPA			TOTAL FAC,ES, NONFAC PPA, SURCHARGE
	AMT	MILLS	AMT	MIL LS	AMT	MILLS	SURCHARGE	
2								
3	BASE MONTHLY ENERGY -							
4	CENTURY ALUMINUM							
5	\$ 1,107,832.63	3.12	\$ 779,089.74	2.19	\$ (194,475.11)	(0.55)	\$ 653,271.01	\$ 2,345,718.27
6	\$ 827,992.37	3.12	\$ 582,290.45	2.19	\$ (145,350.39)	(0.55)	\$ 498,764.39	\$ 1,763,696.82
7	\$ 1,935,825.00		\$ 1,361,380.19		\$ (339,825.50)		\$ 1,162,035.40	\$ 4,109,415.09
8	BASE FIXED ENERGY							
9	CENTURY ALUMINUM							
10								\$ 13,858,872.35
11								\$ 10,581,047.77
12								
13								
14								
15	BASE VARIABLE ENERGY							
16	CENTURY ALUMINUM							
17								\$ 89,285.28
18								\$ (56,549.90)
19								
20								
21								
22								
23								\$ 1,023,068.75
24								\$ 660,080.54
25								
26								\$ 17,316,944.65
27								\$ 12,948,275.23
28								\$ 30,265,219.88
29								
30							(3,352.98)	\$ 17,313,591.67
31							(2,559.75)	\$ 12,945,715.48
32								\$ 30,259,307.15

33

¹ Billing adjustment related to Case No. 2011-00036 rehearing. Additional \$1,355,168.61 authorized to be billed to members over period March 2013 - July 2013. The total \$1,355,168.61 was recognized as revenue in February 2013 (the month the order was received). Accordingly, these amounts are not included in reported revenue during the months of March 2013 through July 2013.

Big Rivers Electric Corporation

Monthly Billing Summary

Smelters

August 2013

1 AUGUST 2013

	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH
2						
3	BASE MONTHLY ENERGY -					
4						
5						
6						
7						
8	BASE FIXED ENERGY					
9						
10						
11						
12						
13						
14						
15	BASE VARIABLE ENERGY					
16						
17						
18						
19						
20						
21						
22		TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	SUPPLEMENTAL	ADJ
23		\$ 621,956.40	\$ -	\$ 35,915.04	\$ -	\$ (51.31)
24		\$ 776,638.24	\$ (259,389.57)	\$ 22,825.60	\$ -	\$ (2,502.61)
25		\$ 1,398,594.64	\$ (259,389.57)	\$ 58,740.64	\$ -	\$ (2,553.92)
26						
27						
28						
29						
30						
31						
32						
33						

Case No. 2013-00449

Attachment for Response to Staff Item 6

Witness: Nicholas R. Castlen

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

1 AUGUST 2013	FAC		ES		NONFAC PPA			TOTAL FAC,ES, NONFAC PPA, SURCHARGE
	AMT	MILLS	AMT	MIL LS	AMT	MILLS	SURCHARGE	
2								
3	BASE MONTHLY ENERGY -							
4	CENTURY ALUMINUM							
5	\$ 746,113.52	3.41	\$ 504,328.23	2.31	\$ (129,454.63)	(0.59)	\$ 400,391.91	\$ 1,521,379.03
6	ALCAN RIO TINTO							
7	\$ 897,768.11	3.41	\$ 652,482.11	2.48	\$ (155,767.50)	(0.59)	\$ 498,764.39	\$ 1,893,247.11
8	ALCAN RIO TINTO							
9	\$ 1,643,881.63		\$ 1,156,810.34		\$ (285,222.13)		\$ 899,156.30	\$ 3,414,626.14
10	BASE FIXED ENERGY							
11	CENTURY ALUMINUM							
12								\$ 8,494,147.57
13	(Special Contract)							
14	ALCAN RIO TINTO							
15	(Special Contract)							
16								\$ 11,428,788.35
17	BASE VARIABLE ENERGY							
18	CENTURY ALUMINUM							
19								\$ 71,462.69
20	(Special Contract)							
21	ALCAN RIO TINTO							
22	(Special Contract)							
23								\$ (113,290.37)
24	CENTURY ALUMINUM							
25								\$ 657,820.13
26	(Special Contract)							
27	ALCAN RIO TINTO							
28								\$ 537,571.66
29	(Special Contract)							
30	CENTURY ALUMINUM							
31								\$ 10,744,809.42
32	(Special Contract)							
33	ALCAN RIO TINTO							
								\$ 13,746,316.75
	TOTAL CENTURY/ ALCAN RIO TINTO							
								\$ 24,491,126.17
	ADJ FOR CN 2011-00036- CENTURY							
							0.00	\$ 10,744,809.42
	ADJ FOR CN 2011-00036- ALCAN							
							0.00	\$ 13,746,316.75
	BALANCE AS SHOWN ON OPERATING REPORT							
								\$ 24,491,126.17

Big Rivers Electric Corporation

Monthly Billing Summary

Smelters

September 2013

1 SEPTEMBER 2013

	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH	FAC		ES	
							AMT	MILLS	AMT	MIL LS
2										
3	BASE MONTHLY ENERGY -									
4	CENTURY ALUMINUM (Special Contract)	-	-	-	-	0.00	\$ -	0.00	\$ -	0.00
5	ALCAN RIO TINTO (Special Contract)	258,578,246	308,802	(2,732,000)	256,155,048	57.21	\$ 669,459.08	2.59	\$ 609,756.29	2.36
6		<u>258,578,246</u>	<u>308,802</u>	<u>(2,732,000)</u>	<u>256,155,048</u>		<u>\$ 669,459.08</u>		<u>\$ 609,756.29</u>	
7										
8	BASE FIXED ENERGY									
9	CENTURY ALUMINUM (Special Contract)	-	-	-	-					
10	ALCAN RIO TINTO (Special Contract)	259,660,800								
11		<u>259,660,800</u>								
12										
13										
14										
15	BASE VARIABLE ENERGY									
16	CENTURY ALUMINUM (Special Contract)	-	-	-	-					
17	ALCAN RIO TINTO (Special Contract)	(1,082,554)								
18		<u>(1,082,554)</u>								
19										
20										
21										
22		TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	SUPPLEMENTAL	ADJ				
23	CENTURY ALUMINUM (Special Contract)	\$ -	\$ -	\$ -	\$ -	\$ -				
24	ALCAN RIO TINTO (Special Contract)	\$ 776,638.24	\$ (98,547.85)	\$ 12,829.47	\$ -	\$ 67.60				
25		<u>\$ 776,638.24</u>	<u>\$ (98,547.85)</u>	<u>\$ 12,829.47</u>	<u>\$ -</u>	<u>\$ 67.60</u>				
26	CENTURY ALUMINUM (Special Contract)									
27	ALCAN RIO TINTO (Special Contract)									
28	TOTAL CENTURY/ ALCAN RIO TINTO									
29										
30	ADJ FOR CN 2011-00036- CENTURY									
31	ADJ FOR CN 2011-00036- ALCAN									
32	BALANCE AS SHOWN ON OPERATING REPORT									
33										

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

1 SEPTEMBER 2013	NONFAC PPA			TOTAL FAC.ES, NONFAC PPA, SURCHARGE	
	AMT	MILLS	SURCHARGE		
2					
3	BASE MONTHLY ENERGY -				
4	CENTURY ALUMINUM				
	(Special Contract)				
5	\$	-	0.00	\$	-
	ALCAN RIO TINTO				
	(Special Contract)				
6	<u>\$ (139,115.10)</u>	(0.54)	<u>\$ 488,377.96</u>	<u>\$</u>	<u>1,628,478.23</u>
6	<u>\$ (139,115.10)</u>		<u>\$ 488,377.96</u>	<u>\$</u>	<u>1,628,478.23</u>
7					
8	BASE FIXED ENERGY				
	CENTURY ALUMINUM				
	(Special Contract)				
9				\$	-
	ALCAN RIO TINTO				
	(Special Contract)				
10				\$	12,359,075.10
11					
12					
13					
14					
15	BASE VARIABLE ENERGY				
	CENTURY ALUMINUM				
	(Special Contract)				
16				\$	-
	ALCAN RIO TINTO				
	(Special Contract)				
17				\$	(23,606.16)
18					
19					
20					
21					
22					
	CENTURY ALUMINUM				
	(Special Contract)				
23				\$	-
	ALCAN RIO TINTO				
	(Special Contract)				
24				\$	690,987.46
25					
	CENTURY ALUMINUM				
	(Special Contract)				
26				\$	-
	ALCAN RIO TINTO				
	(Special Contract)				
27				<u>\$</u>	<u>14,654,934.63</u>
	TOTAL CENTURY/ ALCAN RIO TINTO				
28				\$	14,654,934.63
29					
	ADJ FOR CN 2011-00036- CENTURY				
30			0.00	\$	-
	ADJ FOR CN 2011-00036- ALCAN				
31			0.00	<u>\$</u>	<u>14,654,934.63</u>
	BALANCE AS SHOWN ON OPERATING REPORT				
32				<u>\$</u>	<u>14,654,934.63</u>
33					

Big Rivers Electric Corporation

Monthly Billing Summary

Smelters

October 2013

1 OCTOBER 2013

	kWh	PLUS SUPPLEMENTAL ENERGY	PLUS BACK UP ENERGY	LESS SALES	TOTAL KWH	REV \$ MILLS/KWH
2						
4 CENTURY ALUMINUM (Special Contract)	-	-	-	-	-	0.00
5 ALCAN RIO TINTO (Special Contract)	272,304,454	-	2,439,122	-	274,743,576	51.12
6	<u>272,304,454</u>	<u>-</u>	<u>2,439,122</u>	<u>-</u>	<u>274,743,576</u>	
7						
8 BASE FIXED ENERGY						
9 CENTURY ALUMINUM (Special Contract)	-					
10 ALCAN RIO TINTO (Special Contract)	268,316,160					
11	<u>268,316,160</u>					
12						
13						
14						
15 BASE VARIABLE ENERGY						
16 CENTURY ALUMINUM (Special Contract)	-					
17 ALCAN RIO TINTO (Special Contract)	3,988,294					
18	<u>3,988,294</u>					
19						
20						
21						
22		TIER ADJ	CREDIT SURPLUS	BACKUP ENERGY	SUPPLEMENTAL	ADJ
23 CENTURY ALUMINUM (Special Contract)	\$	-	\$	-	\$	-
24 ALCAN RIO TINTO (Special Contract)	\$	776,638.24	\$	-	\$	-
25	<u>\$</u>	<u>776,638.24</u>	<u>\$</u>	<u>-</u>	<u>\$</u>	<u>(860,747.64)</u>
26 CENTURY ALUMINUM (Special Contract)						
27 ALCAN RIO TINTO (Special Contract)						
28 TOTAL CENTURY/ ALCAN RIO TINTO						
29						
30 ADJ FOR CN 2011-00036- CENTURY						
31 ADJ FOR CN 2011-00036- ALCAN						
32 BALANCE AS SHOWN ON OPERATING REPORT						
33						

Case No. 2013-00449

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

1 OCTOBER 2013

	FAC		ES		NONFAC PPA			TOTAL FAC,ES, NONFAC PPA, SURCHARGE
	AMT	MILLS	AMT	MIL LS	AMT	MILLS	SURCHARGE	
2								
4 CENTURY ALUMINUM (Special Contract)	\$ -	0.00	\$ -	0.00	\$ -	0.00	\$ -	\$ -
5 ALCAN RIO TINTO (Special Contract)	\$ 762,724.78	2.80	\$ 619,626.51	2.28	\$ (101,024.95)	(0.37)	\$ 498,764.39	\$ 1,780,090.73
6	<u>\$ 762,724.78</u>		<u>\$ 619,626.51</u>		<u>\$ (101,024.95)</u>		<u>\$ 498,764.39</u>	<u>\$ 1,780,090.73</u>
7								
8 BASE FIXED ENERGY								
9 CENTURY ALUMINUM (Special Contract)								\$ -
10 ALCAN RIO TINTO (Special Contract)								\$ 12,135,403.28
11								
12								
13								
14								
15 BASE VARIABLE ENERGY								
16 CENTURY ALUMINUM (Special Contract)								\$ -
17 ALCAN RIO TINTO (Special Contract)								\$ 86,968.75
18								
19								
20								
21								
22								
23 CENTURY ALUMINUM (Special Contract)								\$ -
24 ALCAN RIO TINTO (Special Contract)								\$ 41,459.92
25								
26 CENTURY ALUMINUM (Special Contract)								\$ -
27 ALCAN RIO TINTO (Special Contract)								\$ 14,043,922.68
28 TOTAL CENTURY/ ALCAN RIO TINTO								\$ 14,043,922.68
29								
30 ADJ FOR CN 2011-00036- CENTURY							0.00	\$ -
31 ADJ FOR CN 2011-00036- ALCAN							0.00	\$ 14,043,922.68
32 BALANCE AS SHOWN ON OPERATING REPORT								<u>\$ 14,043,922.68</u>
33								

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

1	MAY 2013	KWH	AMOUNT	REVENUE \$ MILLS/ KWH
2				
3	SPECIAL SALES TO RUS BORROWERS:			
4				
5				
6	KENERGY-DOMTAR COGEN	4,096,873	\$ 171,551.74	41.87
7	POWERSOUTH ENERGY COOP			
8				
9	TOTAL SPECIAL SALES TO RUS BORROWERS	4,096,873	\$ 171,551.74	41.87
10				
11				
12				
13	TO OTHER THAN RUS BORROWERS:			
14				
15	CARGILL POWER MARKETS	37,200,000	\$ 1,211,976.00	32.58
16	HMPL			
17	MISO	140,366,900	\$ 4,986,622.17	35.53
18	PJM		\$ (209.10)	
19				
20	TOTAL TO OTHER THAN RUS BORROWERS	177,566,900	\$ 6,198,389.07	34.91
21				
22				
23	TOTAL SALES FOR RESALE MAY 2013	181,663,773	\$ 6,369,940.81	35.06

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

1	JUNE 2013	KWH	AMOUNT	REVENUE \$ MILLS/ KWH
2				
3	SPECIAL SALES TO RUS BORROWERS:			
4				
5				
6	KENERGY-DOMTAR COGEN	6,176,660	\$ 229,160.10	37.10
7	POWERSOUTH ENERGY COOP			
8				
9	TOTAL SPECIAL SALES TO RUS BORROWERS	6,176,660	\$ 229,160.10	37.10
10				
11				
12				
13	TO OTHER THAN RUS BORROWERS:			
14				
15	CARGILL POWER MARKETS	36,000,000	\$ 1,269,000.00	35.25
16	HMPL			
17	MISO	105,689,500	\$ 2,796,777.96	26.46
18	PJM		\$ 2,814.29	
19				
20	TOTAL TO OTHER THAN RUS BORROWERS	141,689,500	\$ 4,068,592.25	28.71
21				
22				
23	TOTAL SALES FOR RESALE JUNE 2013	147,866,160	\$ 4,297,752.35	29.07

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

1	JULY 2013	KWH	AMOUNT	REVENUE \$ MILLS/ KWH
2				
3	SPECIAL SALES TO RUS BORROWERS:			
4				
5				
6	KENERGY-DOMTAR COGEN	7,040,145	\$ 259,036.11	36.79
7	POWERSOUTH ENERGY COOP			
8				
9	TOTAL SPECIAL SALES TO RUS BORROWERS	7,040,145	\$ 259,036.11	36.79
10				
11				
12				
13	TO OTHER THAN RUS BORROWERS:			
14				
15	CARGILL POWER MARKETS	74,400,000	\$ 2,836,500.00	38.13
16	HMPL	575,000	\$ 27,503.33	47.83
17	MISO	160,003,800	\$ 4,837,662.67	30.23
18	PJM			
19				
20	TOTAL TO OTHER THAN RUS BORROWERS	234,978,800	\$ 7,701,666.00	32.78
21				
22				
23	TOTAL SALES FOR RESALE JULY 2013	242,018,945	\$ 7,960,702.11	32.89

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

1	AUGUST 2013	KWH	AMOUNT	REVENUE \$ MILLS/ KWH
2				
3	SPECIAL SALES TO RUS BORROWERS:			
4				
5				
6	KENERGY-DOMTAR COGEN	17,680,140	\$ 645,573.29	36.51
7	POWERSOUTH ENERGY COOP			
8				
9	TOTAL SPECIAL SALES TO RUS BORROWERS	17,680,140	\$ 645,573.29	36.51
10				
11				
12				
13	TO OTHER THAN RUS BORROWERS:			
14				
15	CARGILL POWER MARKETS	74,400,000	\$ 2,836,500.00	38.13
16	HMPL	2,062,000	\$ 56,694.75	27.50
17	MISO	170,252,472	\$ 5,130,989.57	30.14
18	PJM			
19				
20	TOTAL TO OTHER THAN RUS BORROWERS	246,714,472	\$ 8,024,184.32	32.52
21				
22				
23	TOTAL SALES FOR RESALE AUGUST 2013	264,394,612	\$ 8,669,757.61	32.79

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

1	SEPTMBER 2013	KWH	AMOUNT	REVENUE \$ MILLS/ KWH
2				
3	SPECIAL SALES TO RUS BORROWERS:			
4				
5				
6	KENERGY-DOMTAR COGEN	37,334,855	\$ 1,273,366.55	34.11
7	POWERSOUTH ENERGY COOP			
8				
9	TOTAL SPECIAL SALES TO RUS BORROWERS	37,334,855	\$ 1,273,366.55	34.11
10				
11				
12				
13	TO OTHER THAN RUS BORROWERS:			
14				
15	CARGILL POWER MARKETS	36,000,000	\$ 1,269,000.00	35.25
16	HMPL	0	\$ -	0.00
17	MISO	226,348,049	\$ 6,096,292.85	26.93
18	PJM		\$ 1,047.71	
19				
20	TOTAL TO OTHER THAN RUS BORROWERS	262,348,049	\$ 7,366,340.56	28.08
21				
22				
23	TOTAL SALES FOR RESALE SEPTEMBER 2013	299,682,904	\$ 8,639,707.11	28.83

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

1	OCTOBER 2013	KWH	AMOUNT	REVENUE \$ MILLS/ KWH
2				
3	SPECIAL SALES TO RUS BORROWERS:			
4				
5				
6	KENERGY-DOMTAR COGEN	24,278,839	\$ 995,528.92	41.00
7	POWERSOUTH ENERGY COOP			
8				
9	TOTAL SPECIAL SALES TO RUS BORROWERS	24,278,839	\$ 995,528.92	41.00
10				
11				
12				
13	TO OTHER THAN RUS BORROWERS:			
14				
15	CARGILL POWER MARKETS	37,200,000	\$ 1,311,300.00	35.25
16	HMPL	0	\$ -	0.00
17	MISO	281,306,084	\$ 7,681,768.26	27.31
18	PJM		\$ 5,488.12	
19				
20	TOTAL TO OTHER THAN RUS BORROWERS	318,506,084	\$ 8,998,556.38	28.25
21				
22				
23	TOTAL SALES FOR RESALE OCTOBER 2013	342,784,923	\$ 9,994,085.30	29.16



BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 7)** *List Big Rivers' scheduled, actual, and forced outages from*
2 *May 1, 2013, through October 31, 2013.*

3

4 **Response)** Please see the attached summary for the requested information
5 regarding scheduled ("S"), actual ("A"), and forced ("F") outages. This summary
6 includes Coleman outages after August 20, 2013; however, those outages are not
7 factored into Big Rivers' FAC.

8

9 **Witness)** Lawrence V. Baronowsky

10

**Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013**

Big Rivers Electric Corporation
Reid Station Unit #1 - Coal - 65MW Net
May 1, 2013 thru October 31, 2013

Schedule vs. Actual

MONTH	E	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				
May		No Outages							
June	F			6/28/2013 22:58	6/29/2013 5:36		6:38		The unit tripped on low vacuum due to a faulty hotwell regulating valve.
July	F			7/2/2013 12:57	7/2/2013 13:57		1:00		The unit tripped on low vacuum due to a faulty hotwell regulating valve. Due to weak market conditions the unit was placed on reserve standby at 13:57.
August	F			8/17/2013 1:05	8/20/2013 16:30		87:25		Unit removed from service to inspect the SCR Diverter Damper The unit was removed from reserve standby status due to a fault on HMP&L Unit 2 that tripped the start up power to the station. The fault also caused a power surge that damaged the computer servers controlling the Reid 1 turbine. Start up power was restored but the unit was off standby until the servers could be replaced.
September		No Outages							
October	S,A	10/21/2013 6:00	10/28/2013 6:00	10/21/2013 6:00	10/28/2013 6:00		168:00	168:00	The unit was removed from reserve stand by status for a seven day planned maintenance outage.

**Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013**

Big Rivers Electric Corporation

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

Schedule vs. Actual

May 1, 2013 thru October 31, 2013

MONTH	E	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				
May		No Outages							
June		No Outages							
July	F		7/16/2013 11:20	7/16/2013 15:00		3:40		Starting failure was declared when the unit did not tie on line within the allotted time due to a faulty limit switch on the cranking motor coupling.	
August	F		8/24/2013 17:02	8/24/2013 17:17		0:15		Starting failure was declared when the unit did not tie on line within the allotted time due to a problem with the turbine control system display. The control system computer was rebooted and the machine started normally.	
September	S,A	9/10/2013 6:00	9/11/2013 18:00	9/10/2013 6:00	9/11/2013 16:12	36:00	34:12	Removed from reserve standby status to inspect the natural gas pressure regulating valve.	
	S,A	9/13/2013 7:00	9/13/2013 9:30	9/13/2013 7:00	9/13/2013 9:30	2:30	2:30	Removed from reserve standby status to repair a natural gas leak.	
October		No Outages							

Case No. 2013-00449

Attachment for Response to Staff Item 7

Witness: Lawrence V. Baronowsky

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Big Rivers Electric Corporation

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

May 1, 2013 thru October 31, 2013

Big Rivers Electric Corporation

Henderson Station Two - Unit #1 - Coal - 153MW Net

May 1, 2013 thru October 31, 2013

Schedule vs. Actual

MONTH	E	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				
May		No Outages							
June	F			6/2/2013 16:01	6/5/2013 14:01			70:00	The unit was removed from service due to a tube leak in the radiant superheater section of the boiler.
July	F			7/21/2013 14:05	7/24/2013 17:44			75:39	The unit was removed from service due to a tube leak in the radiant superheater section of the boiler.
	F			7/27/2013 0:53	7/28/2013 3:48			26:55	Unit removed from service to inspect the SCR Diverter Damper
	F			7/30/2013 22:20	7/31/2013 2:54			4:34	The unit was removed from service to replace the hydraulic servo valve on the left side intercept valve of the main turbine.
August	F			8/8/2013 22:42	8/12/2013 10:46			84:04	The unit was removed from service due to a tube leak in the radiant superheater section of the boiler.
	F			8/15/2013 0:45	8/16/2013 1:59			25:14	The unit was removed from service to inspect the SCR Diverter Damper
	F			8/17/2013 1:56	8/18/2013 11:39			33:43	The unit tripped on low vacuum due to the loss of make up water to the cooling tower when Reid #3 circulating water pump lost start up power.
September	F			9/19/2013 10:19	9/24/2013 2:19			112:00	The unit was removed from service due to a tube leak in the radiant superheater section of the boiler.
	F			9/24/2013 22:53	9/25/2013 4:55			6:02	The unit was removed from service to repair a hydraulic oil leak on the right side intercept valve of the main turbine.
October		No Outages							

Case No. 2013-00449

Attachment for Response to Staff Item 7

Witness: Lawrence V. Baronowsky

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Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013

Big Rivers Electric Corporation

Henderson Station Two - Unit #2 - Coal - 159MW Net

May 1, 2013 thru October 31, 2013

Schedule vs. Actual

MONTH	E	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				
May	S,A	5/1/2013 0:00	5/18/2013 0:00	5/1/2013 0:00	5/27/2013 16:01	408:00		640:01	The unit was removed from service on 3/31/2013 for 49 day planned outage. The outage was extended due to the LP turbine rotor repair was delayed in Siemens service shop as technicians struggled to tune the new last stage blades that were installed.
	S,A	5/27/2013 20:33	5/27/2013 21:33	5/27/2013 20:33	5/27/2013 21:33	1:00		1:00	The unit was removed from service to test the turbine overspeed protection.
June	F			6/15/2013 06:25	6/16/2013 1:37			19:12	The unit tripped due to high vibration on the #7 turbine bearing. Siemens Engineers installed a balance weight on the exciter end of the machine.
	F			6/18/2013 23:22	6/21/2013 17:08			65:46	The unit tripped due to high vibration on the #7 turbine bearing. Siemens Engineers discovered the #7 bearing oil seal was rubbing the shaft causing the vibration. The seal clearance was corrected.
July	F			7/22/2013 15:35	7/22/2013 22:18			6:43	The unit tripped due to high furnace pressure when the booster fan tripped and the scrubber bypass damper failed to open.

Case No. 2013-00449

Attachment for Response to Staff Item 7

Witness: Lawrence V. Baronowsky

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**Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013**

Big Rivers Electric Corporation

Henderson Station Two - Unit #2 - Coal - 159MW Net

Schedule vs. Actual

May 1, 2013 thru October 31, 2013

MONTH	E	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				
August	S,A	8/17/2013 1:00	8/18/2013 13:00	8/17/2013 1:00	8/20/2013 22:38	36:00		93:38	The unit was removed from service to wash the air heaters and perform some general maintenance tasks. The outage was extended when the station lost start up power and the main turbine DC lube oil pump coupling failed. The turbine coasted down from ~ 77 RPM without oil. Inspected the turbine bearings to ensure there was no damage and repaired the DC lube oil pump coupling.
September	F			9/5/2013 19:46	9/6/2013 18:33			22:47	The unit was removed from service to replace the drive gearbox on "B" air preheater.
October	F			10/5/2013 5:46	10/7/2013 1:09			43:23	The unit was removed from service to repair the DC lube oil pump motor.

Case No. 2013-00449

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Witness: Lawrence V. Baronowsky

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Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013

Big Rivers Electric Corporation
Green Station Unit #1 - Coal/Pet coke - 231MW Net
 May 1, 2013 thru October 31, 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				
May		No Outages							
June	F		6/1/2013 9:40	6/4/2013 4:04		66:24		The unit was removed from service to replace the "A" air preheater drive gearbox and motor.	
July	F		7/1/2013 20:32	7/2/2013 1:00		4:28		The unit tripped due to a bad control card in the DCS computer.	
	F		7/10/2013 23:59	7/12/2013 8:55		32:56		The unit was removed from service to repair a tube leak in the reheater section of the boiler.	
August		No Outages							
September		No Outages							
October	F		10/4/2013 5:04	10/4/2013 12:52		7:48		The unit was removed from service due to precipitator problems caused by a 480 volt power transfer switch that failed.	

**Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013**

Big Rivers Electric Corporation

Green Station Unit #2 - Coal/Pet coke - 223MW Net

Schedule vs. Actual

May 1, 2013 thru October 31, 2013

MONTH	TYP E	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				
May	S,A	5/25/2013 0:00	5/27/2013 18:00	5/25/2013 1:09	5/27/2013 19:08	66:00		65:59	The unit was removed from service to wash the air heaters and perform some general maintenance tasks.
June		No Outages							
July	F			7/26/2013 0:25	7/27/2013 20:24			43:59	The unit was removed from service to replace the discharge valve on "B" scrubber recycle pump.
August		No Outages							
September		No Outages							
October		No Outages							

Case No. 2013-00449

Attachment for Response to Staff Item 7

Witness: Lawrence V. Baronowsky

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Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013

Coleman Station Unit #1 - Coal - 150MW Net
 May 1, 2013 thru October 31, 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				
May	F			5/7/2013 13:01	5/9/2013 23:31	58:30			The unit was removed from service to repair a tube leak in the reheater section of the boiler.
June	F			6/7/2013 23:39	6/17/2013 1:16	217:37			The unit was removed from service to deslag the boiler. Due to the weak market conditions the outage was extended at 08:00 on 6/12/2013 to repair some gas leaks in the boiler penthouse and complete some other general maintenance tasks.
	F			6/20/2013 10:18	6/22/2013 8:41	46:23			The unit was removed from service to repair a tube leak in the reheater section of the boiler.
July	F			7/26/2013 22:18	7/30/2013 1:10	74:52			The unit was removed from service to repair a tube leak in the reheater section and the heat recovery area of the boiler.
August	F			8/10/2013 11:28	8/12/2013 17:43	54:15			The unit was removed from service to repair a tube leak in the reheater section of the boiler.
	F			8/23/2013 0:55	8/26/2013 5:47	76:52			The unit was removed from service to repair a tube leak in the reheater section of the boiler.
				8/31/2013 7:35	9/2/2013 10:42	51:07			The unit was removed from service to repair a tube leak in the reheater section of the boiler.
September		No Outages							

Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013

Coleman Station Unit #1 - Coal - 150MW Net
May 1, 2013 thru October 31, 2013

Schedule vs. Actual

MONTH	TYP E	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				
October	F			10/7/2013 00:57	10/9/2013 1:58	49:01			The unit was removed from service to replace the lance on "A" air preheater steam cleaning device.
	F			10/14/2013 15:24	10/15/2013 3:33	12:09			The unit tripped off line when the 20 AST trip solenoid activated. The trip solenoid activated due to a shorted wire connection in the protective relay panel.

**Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013**

Big Rivers Electric Corporation
Coleman Station Unit #2 - Coal - 138MW Net
May 1, 2013 thru October 31, 2013

Schedule vs. Actual

MONTH	E	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				
May	S,A	5/19/2013 0:00	5/19/2013 10:00	5/19/2013 0:15	5/19/2013 9:47	10:00		9:32	The unit was removed from service to install activated carbon injection ports for MATS testing.
June	F			6/20/2013 22:41	6/21/2013 11:42			13:01	The unit was removed from service to repair a hole around A4 soot blower wall box.
July	F			7/16/2013 13:00	7/16/2013 14:45			1:45	The unit tripped off line due to loss of excitation to the generator. The control operator inadvertently activated the on/off switch instead of the identical voltage adjuster switch.
August	F			8/22/2013 8:37	8/26/2013 21:26			108:49	The unit was removed from service to repair a water wall tube leak.
September		No Outages							
October	F			10/21/2013 20:49	10/26/2013 1:43			100:54	The unit tripped off line on high furnace pressure due to a water wall tube leak.

Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013

Big Rivers Electric Corporation
Coleman Station Unit #3 - Coal - 155MW Net
May 1, 2013 thru October 31, 2013

Schedule vs. Actual

MONTH	E	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				
May		No Outages							
June		No Outages							
July	F			7/2/2013 3:53	7/4/2013 1:06	45:13			The unit was removed from service to repair tube leaks in the economizer section and water wall.
August		No Outages							
September		No Outages							
October	F			10/6/2013 18:51	10/8/2013 21:48	50:57			The unit was removed from service to repair a tube leak in the economizer section.
	F			10/9/2013 22:39	10/10/2013 16:52	18:13			The unit was removed from service to repair a leak in the "A" Boiler Feed Pump recirculation line.
	F			10/14/2013 13:37	10/18/2013 10:24	92:47			The unit was removed from service to repair tube leaks in the penthouse on the hot reheat header.

**Big Rivers Electric Corporation
Scheduled ("S"), Actual ("A"), and Forced ("F") Outages
May 1, 2013 thru October 31, 2013**

Big Rivers Electric Corporation

Wilson Station - Unit #1 - Coal/Pet Coke - 417MW Net

Schedule vs. Actual

May 1, 2013 thru October 31, 2013

MONTH	E	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				
May	F			5/18/2013 2:43	5/19/2013 5:00	26:17			The unit was removed from service to repair a water wall tube leak.
June	F			6/15/2013 11:42	6/15/2013 22:12	10:30			The unit tripped on high furnace pressure as a result of the #2 ID Fan trip that was caused by an issue with the inlet damper drive.
	F			6/15/2013 22:49	6/16/2013 2:15	3:26			The unit tripped on high drum level just after start up when the control operator placed the #1 boiler feed pump turbine in automatic control mode.
July		No Outages							
August		No Outages							
September	F			9/2/2013 15:52	9/2/2013 22:40	6:48			The unit tripped due to a nearby lightening strike that caused a voltage surge that blew a fuse in the turbine control system.
October	F			10/18/2013 20:40	10/20/2013 11:02	38:22			The unit was removed from service to repair a water wall tube leak.

Case No. 2013-00449

Attachment for Response to Staff Item 7

Witness: Lawrence V. Baronowsky

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BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 8)** *List all existing fuel contracts categorized as long-term (i.e.,*
2 *one year or more in length). Provide the following information for each*
3 *contract:*

4

5 *a. Supplier's name and address;*

6 *b. Name and location of production facility;*

7 *c. Date when contract was executed;*

8 *d. Duration of contract;*

9 *e. Date(s) of each contract revision, modification, or*
10 *amendment;*

11 *f. Annual tonnage requirements;*

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

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

16 *i. Base price in dollars per ton;*

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

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

21

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

23

24 **Witness)** Mark W. McAdams

25

Big Rivers Electric Corporation
Case No. 2013-00449
Long-Term Fuel Contract Information

Patriot Coal Sales 11021

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

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

Highland Mine
Union County, Kentucky

C. CONTRACT EXECUTED DATE: October 24, 2011

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

E. CONTRACT AMENDMENTS: November 8, 2011

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	-	497,366	tons (<i>through October</i>)

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	-	99.96 %
2013	-	71.05 %

I. BASE PRICE:

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

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE:

Highland 2013	-	\$ 50.0251	per ton
Highland 2014	-	\$ 52.0220	per ton

Big Rivers Electric Corporation
Case No. 2013-00449
Long-Term Fuel Contract Information

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 & Diesel Fuel Adjustments*)
January 1, 2013 (*Revised Trucking & 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	-	651,404	tons (<i>through October</i>)

H. PERCENT OF ANNUAL REQUIREMENTS:

2011	-	107.38 %
2012	-	99.97 %
2013	-	86.85 %

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	-	\$ 47.7996	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
Quality E 2013	-	\$ 50.1603	per ton
Quality F 2013	-	\$ 49.1150	per ton
Quality G 2013	-	\$ 47.0254	per ton

J. ESCALATIONS TO DATE: None

**Big Rivers Electric Corporation
Case No. 2013-00449
Long-Term Fuel Contract Information**

Alliance Coal 11001 (continued)

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
	Quality E 2013	–	\$ 50.1603	per ton
	Quality F 2013	–	\$ 49.1150	per ton
	Quality G 2013	–	\$ 47.0254	per ton

**Big Rivers Electric Corporation
Case No. 2013-00449
Long-Term Fuel Contract Information**

Sebree Mining 11002

A. NAME / ADDRESS:	Sebree Mining, LLC <i>(formerly Allied Resources)</i> 15 New Steamport Road Sebree, KY 42455		
B. PRODUCTION FACILITY:	Onton No. 9 Mine Webster County, Kentucky		
C. CONTRACT EXECUTED DATE:	March 29, 2012		
D. CONTRACT DURATION:	December 31, 2016		
E. CONTRACT AMENDMENTS:	April 29, 2011 November 17, 2011 March 29, 2012 <i>(Contract Assigned from Allied Resources to Sebree Mining, LLC)</i> August 12, 2013		
F. ANNUAL TONNAGE REQUIREMENTS:	2010	-	650,000 tons
	2011	-	500,000 tons
	2012	-	750,000 tons
	2013	-	960,000 tons
	2014	-	800,000 tons
	2015	-	890,000 tons
	2016	-	900,000 tons
G. ACTUAL TONNAGE:	2010	-	664,320 tons
	2011	-	500,614 tons
	2012	-	748,127 tons
	2013	-	779,998 tons <i>(through October)</i>
H. PERCENT OF ANNUAL REQUIREMENTS:	2010	-	102.20 %
	2011	-	100.12 %
	2012	-	99.75 %
	2013	-	81.25 %
I. BASE PRICE:	<u>Sebree Complex</u>		
	Quality A 2012	-	\$ 52.5500 per ton
	Quality B 2012	-	\$ 50.6259 per ton
	Quality C 2012	-	\$ 48.9946 per ton
	Quality D 2012	-	\$ 46.0108 per ton
	Quality A 2013	-	\$ 54.9153 per ton
	Quality B 2013	-	\$ 53.8668 per ton
	Quality C 2013	-	\$ 52.1824 per ton
	Quality D 2013	-	\$ 49.1854 per ton

**Big Rivers Electric Corporation
Case No. 2013-00449
Long-Term Fuel Contract Information**

Sebree Mining 11002 (continued)

I. BASE PRICE: (continued)

Sebree Complex (continued)

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

Steamport Dock

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

J. ESCALATIONS TO DATE:

None

**Big Rivers Electric Corporation
Case No. 2013-00449
Long-Term Fuel Contract Information**

Sebree Mining 11002 (continued)

K. CURRENT CONTRACT PRICE:

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

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

Big Rivers Electric Corporation
Case No. 2013-00449
Long-Term Fuel Contract Information

Armstrong Coal 11023

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

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

C. CONTRACT EXECUTED DATE: July 4, 2011

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

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS:

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

G. ACTUAL TONNAGE:

2012	-	351,376	tons
2013	-	352,756	tons (<i>through October</i>)

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	-	100.39	%
2013	-	88.19	%

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:

1 st Quarter 2012	-	\$ 0.8970	per ton
2 nd Quarter 2012	-	\$ 0.9039	per ton
3 rd Quarter 2012	-	\$ 0.8119	per ton
4 th Quarter 2012	-	(\$ 0.1679)	per ton
1 st Quarter 2013	-	\$ 0.1840	per ton
2 nd Quarter 2013	-	\$ 0.1863	per ton
3 rd Quarter 2013	-	\$ 0.1564	per ton
4 th Quarter 2013	-	(\$ 0.3473)	per ton
1 st Quarter 2014	-	(\$ 0.7245)	per ton

K. CURRENT CONTRACT PRICE:

2013	-	\$ 48.5875	per ton
2014	-	\$ 50.6437	per ton

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 9)**

2 **a. State whether Big Rivers regularly compares the price of**
3 **its coal purchases to those paid by other electric utilities.**

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

5 **(1) How Big Rivers' prices compare with those of other**
6 **utilities for the review period. Include all prices**
7 **used in the comparison in cents per MMBtu.**

8 **(2) The utilities that are included in this comparison**
9 **and their locations.**

10

11 **Response)**

12 **a. Yes, Big Rivers has compared the price of its coal purchases**
13 **with those paid by other electric utilities.**

14 **b.**

15 **(1) Big Rivers' coal pricing is competitive with that of its**
16 **comparison group for the review period. Attached hereto**
17 **are tables and charts, on both a ¢ per MMBTU and a \$ per**
18 **ton basis plus showing Big Rivers with and without**
19 **petcoke, providing the relevant supporting information.**

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

23

24

25 **Witness) Mark W. McAdams**

Big Rivers Electric Corporation
Case No. 2013-00449
Comparison of Big Rivers Fuel Cost to Other Kentucky-Based Utilities

Cents per MMBTU (Big Rivers w/o Petcoke)

Company	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
Big Rivers Electric Corporation	218.88	221.05	221.38	220.25	222.02	220.55
Duke Energy - Kentucky	219.35	228.53	220.71	223.55	222.67	225.46
Louisville Gas and Electric Company	234.05	236.32	230.54	230.31	232.38	227.77
Kentucky Utilites Company	236.44	234.01	232.62	232.73	229.56	239.66
East Kentucky Power Cooperative	260.30	259.10	255.50	252.60	247.80	246.80
Kentucky Power	331.72	329.59	332.33	328.43	344.98	337.83

Dollars per Ton (Big Rivers w/o Petcoke)

Company	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
Big Rivers Electric Corporation	\$50.08	\$50.86	\$50.96	\$50.88	\$51.30	\$50.85
Duke Energy - Kentucky	\$50.49	\$52.46	\$50.70	\$51.24	\$51.56	\$51.84
Louisville Gas and Electric Company	\$53.51	\$53.97	\$52.96	\$53.27	\$53.95	\$52.22
Kentucky Utilites Company	\$53.41	\$52.79	\$51.74	\$52.11	\$51.20	\$53.69
East Kentucky Power Cooperative	\$59.62	\$59.46	\$58.02	\$57.91	\$56.51	\$55.83
Kentucky Power	\$79.58	\$80.42	\$79.66	\$78.79	\$84.90	\$81.35

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

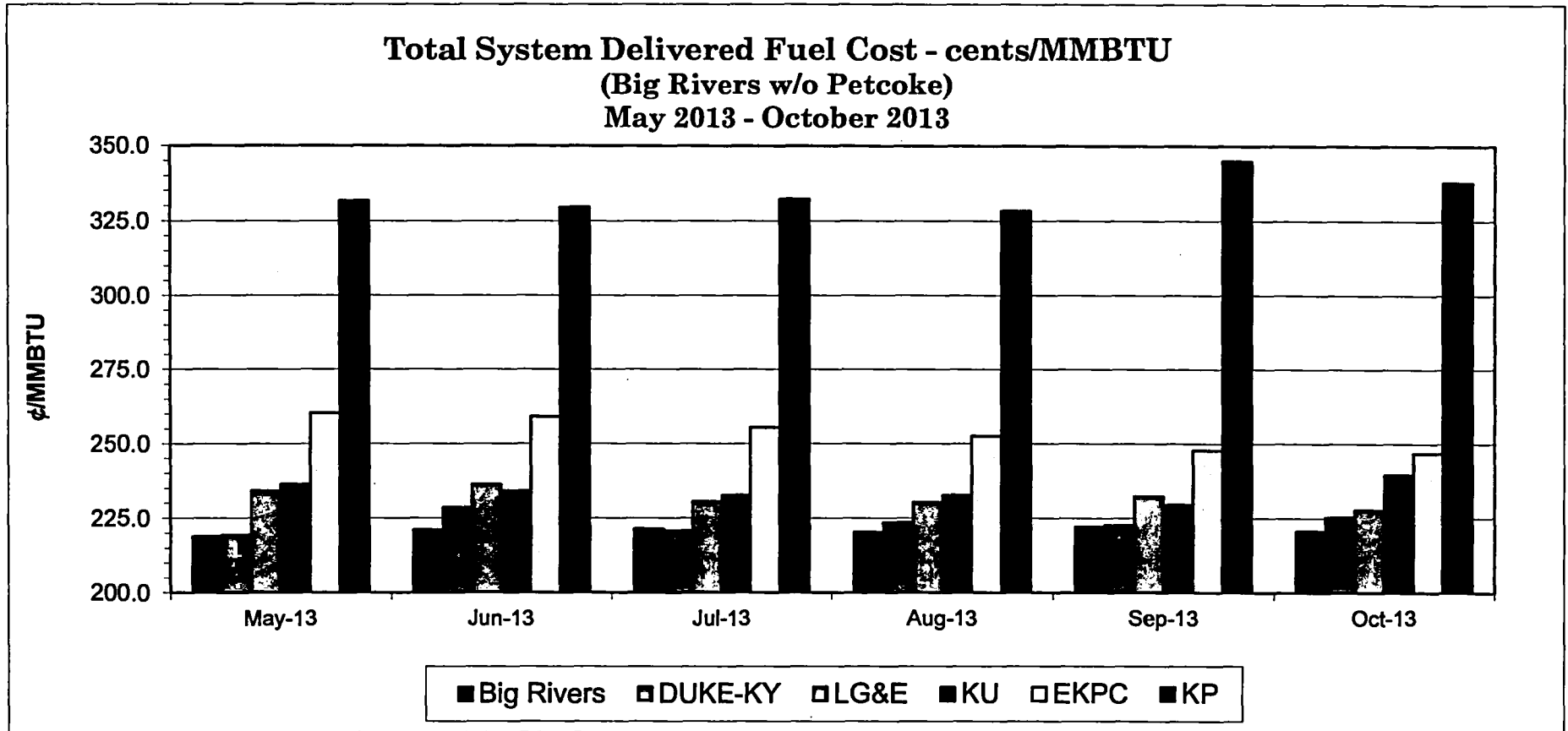
Case No. 2013-00449

Witness: Mark W. McAdams

Attachment for Response to Staff Item 9

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**Big Rivers Electric Corporation
Case No. 2013-00449
Comparison of Big Rivers Fuel Cost to Other Kentucky-Based Utilities**



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

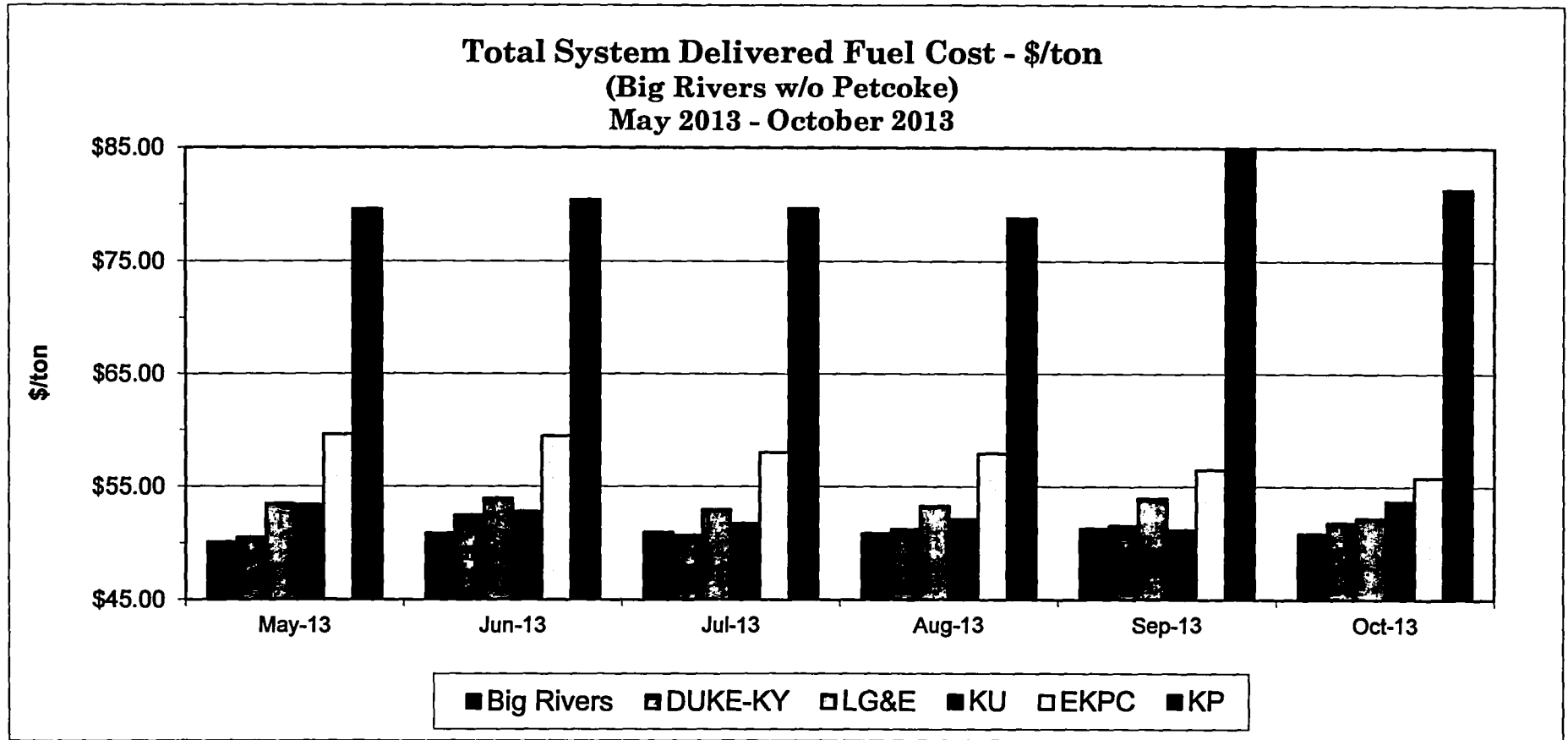
Case No. 2013-00449

Witness: Mark W. McAdams

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**Big Rivers Electric Corporation
Case No. 2013-00449
Comparison of Big Rivers Fuel Cost to Other Kentucky-Based Utilities**



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

Case No. 2013-00449

Witness: Mark W. McAdams

Attachment for Response to Staff Item 9

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Big Rivers Electric Corporation
Case No. 2013-00449
Comparison of Big Rivers Fuel Cost to Other Kentucky-Based Utilities

Cents per MMBTU (Big Rivers w/ Petcoke)

Company	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
Big Rivers Electric Corporation	217.59	216.89	215.06	217.88	218.04	216.58
Duke Energy - Kentucky	219.35	228.53	220.71	223.55	222.67	225.46
Louisville Gas and Electric Company	234.05	236.32	230.54	230.31	232.38	227.77
Kentucky Utilites Company	236.44	234.01	232.62	232.73	229.56	239.66
East Kentucky Power Cooperative	260.30	259.10	255.50	252.60	247.80	246.80
Kentucky Power	331.72	329.59	332.33	328.43	344.98	337.83

Dollars per Ton (Big Rivers w/ Petcoke)

Company	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
Big Rivers Electric Corporation	\$50.14	\$50.95	\$51.15	\$50.84	\$51.13	\$50.71
Duke Energy - Kentucky	\$50.49	\$52.46	\$50.70	\$51.24	\$51.56	\$51.84
Louisville Gas and Electric Company	\$53.51	\$53.97	\$52.96	\$53.27	\$53.95	\$52.22
Kentucky Utilites Company	\$53.41	\$52.79	\$51.74	\$52.11	\$51.20	\$53.69
East Kentucky Power Cooperative	\$59.62	\$59.46	\$58.02	\$57.91	\$56.51	\$55.83
Kentucky Power	\$79.58	\$80.42	\$79.66	\$78.79	\$84.90	\$81.35

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

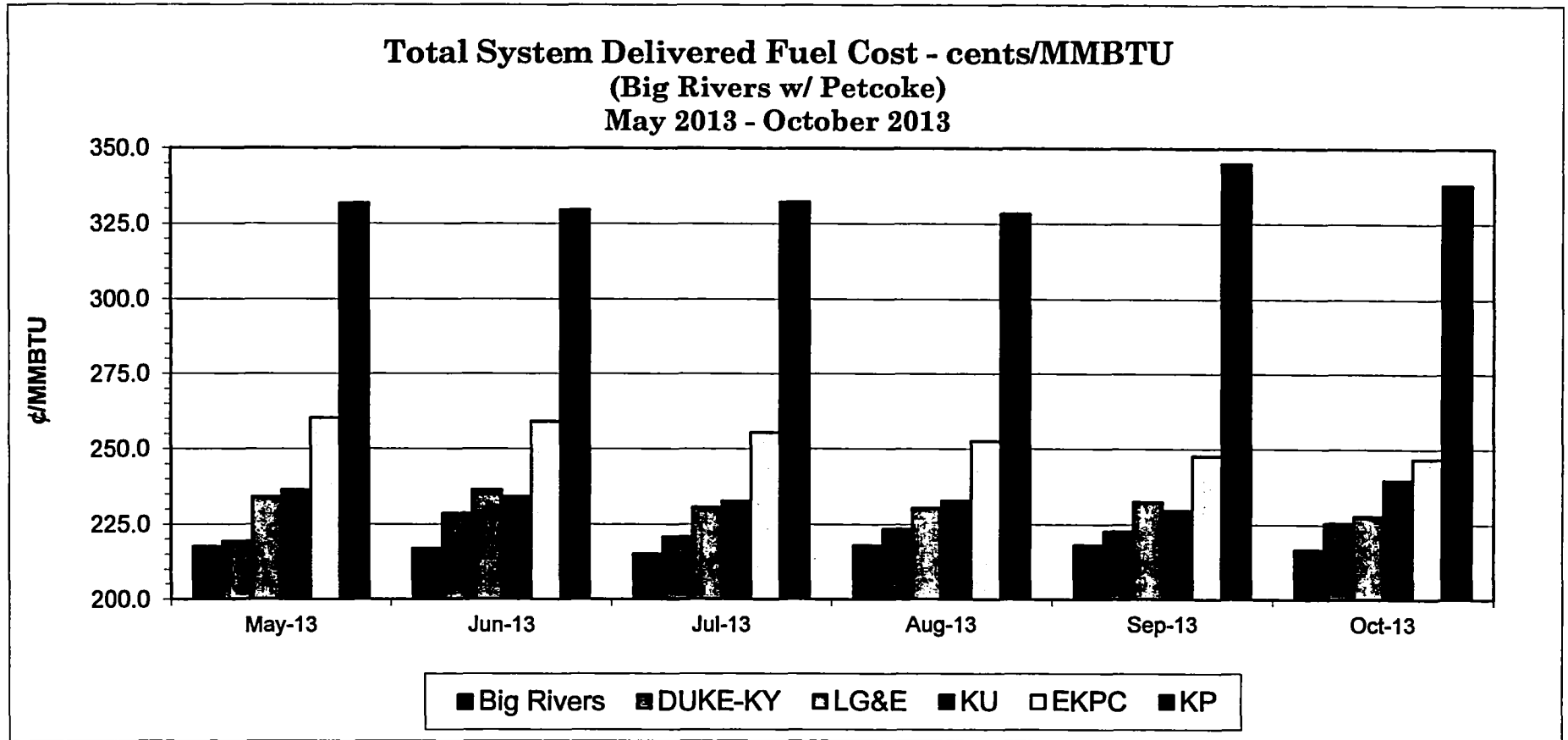
Case No. 2013-00449

Witness: Mark W. McAdams

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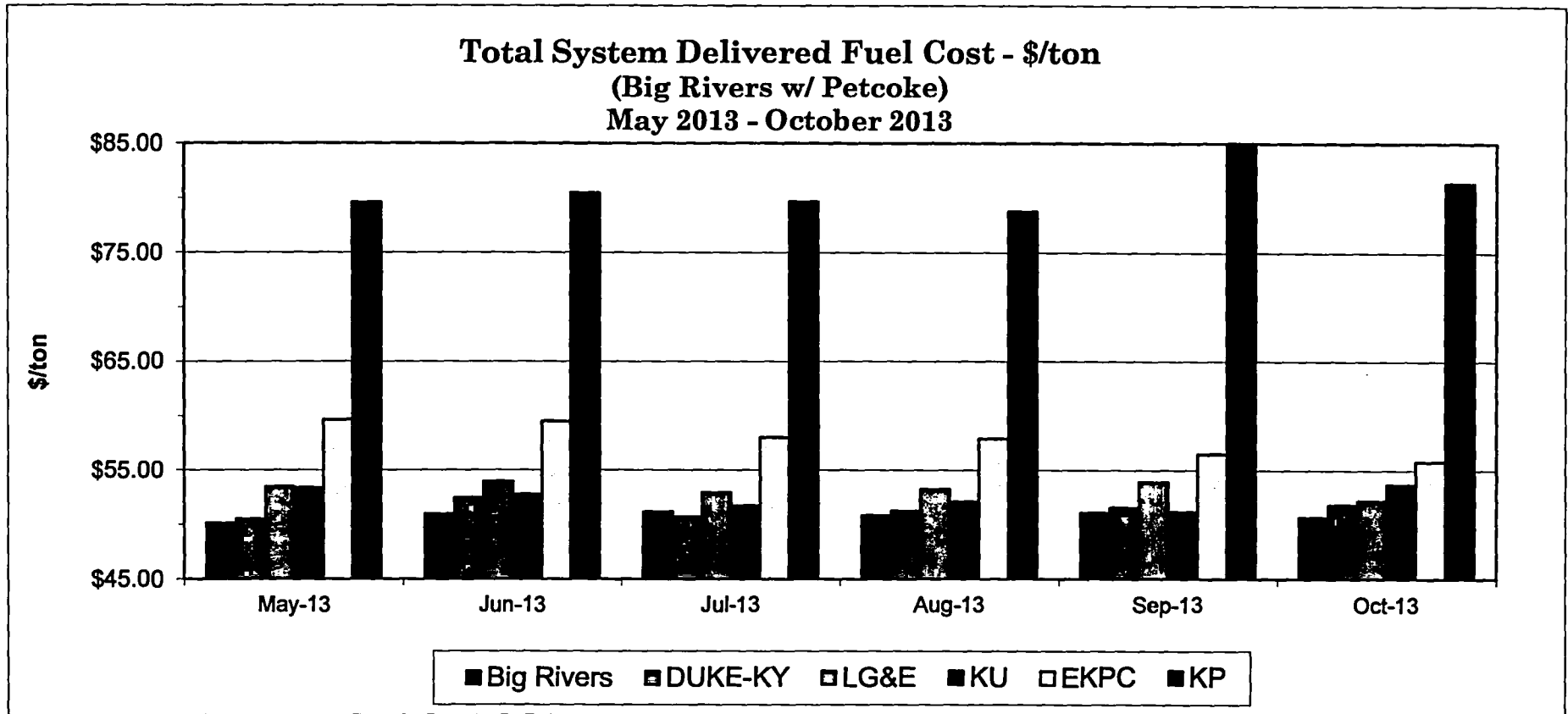
Page 4 of 6

**Big Rivers Electric Corporation
Case No. 2013-00449
Comparison of Big Rivers Fuel Cost to Other Kentucky-Based Utilities**



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

**Big Rivers Electric Corporation
Case No. 2013-00449
Comparison of Big Rivers Fuel Cost to Other Kentucky-Based Utilities**



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

Case No. 2013-00449

Witness: Mark W. McAdams

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BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

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 – 38%;*

11 *c. Barge – 62%.*

12

13

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

15

BIG RIVERS ELECTRIC CORPORATION

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February 28, 2014

1 **Item 11)**

- 2 a. *State Big Rivers' coal inventory level in tons and in*
3 *number of days' supply as of October 31, 2013. Provide*
4 *this information by generating station and in the*
5 *aggregate.*
- 6 b. *Describe the criteria used to determine number of days'*
7 *supply.*
- 8 c. *Compare Big Rivers' coal inventory as of October 31, 2013*
9 *to its inventory target for that date for each plant and for*
10 *total inventory.*
- 11 d. *If actual coal inventory exceeds inventory target by 10*
12 *days' supply, state the reasons for excessive inventory.*
- 13 e. (1) *State whether Big Rivers expects any significant*
14 *changes in its current coal inventory target within*
15 *the next 12 months.*
- 16 (2) *If yes, state the expected change and the reasons for*
17 *this change.*

18

19 **Response)**

- 20 a. As of October 31, 2013, Big Rivers' generating stations
21 individually and in the aggregate had the following inventory
22 levels and days' supply.

23

24

25

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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February 28, 2014

1

Total System/Station	Inventory Level (In Tons) ¹	Number of Days' Supply ²	Duration (In Days)	Preceding 6 Months Burn (In Tons)
Big Rivers Electric System	517,610.71	30	153	2,604,872.80
Reid Station ³	6,364.70	11	19	10,939.35
Station II ⁴	144,035.15	71	156	315,491.52
Green Station ⁵	127,409.75	28	179	812,157.59
Coleman Station ⁶	126,833.20	30	169	724,400.42
Wilson Station ⁷	112,967.91	27	179	741,883.92

2

3

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

4

5

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

6

7

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

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

8

9

d. The actual inventory, for each station and in the aggregate, does
not exceed the inventory target by ten (10) days.

10

11

e.

12

(1) Yes. Big Rivers anticipates a change in coal inventory held
and modification of its current inventory target(s) within

13

BIG RIVERS ELECTRIC CORPORATION

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1 the next twelve (12) months.
2 (2) Inventory may be reduced at one or more of Big Rivers'
3 generating stations as a result of the Notice of Termination
4 from Century Aluminum-Hawesville effective August 20,
5 2013, and the notice of termination from Century-Sebree,
6 formerly Alcan Aluminum, effective January 31, 2014.
7

Footnotes -

1. Green Station had a petcoke inventory level of 23,178.98 tons as of October 31, and has a target blend of 20% with Green coal. Wilson Station had a petcoke inventory level of 3,750.70 tons as of October 31, and has a target blend of 25% with Wilson coal.
2. Number of days' supply is rounded to reflect whole days. Including petcoke would result in 29 days at Green Station and in 30 days at Wilson Station.
3. Reid Station Unit 1 was in standby reserve 154 days. Reid 1 was out of service 11 days due to unscheduled and scheduled outages. The duration of generation was reduced to 19 days and Reid had an 11 day supply of compliance coal at October 31, 2013.
4. Station II Units 1 and 2 had unscheduled maintenance of 689.6 hours and Unit 2 had a planned outage of 641 hours in May 2013. These hours were equivalent to 28 days. The duration of generation was reduced to 156 days.
5. Green Station Units 1 and 2 had unscheduled and maintenance hours of 221.6 hours. These hours were equivalent to 5 days. The duration of generation was reduced to 1790 days.
6. Coleman Station Units 1, 2 and 3 had 968.5 unscheduled hours during the review period and 113.3 hours of scheduled maintenance hours for a total of 1,081.8 hours out-of-service. These hours were equivalent to 15 days. The duration of generation was reduced to 169 days.
7. Wilson Unit 1 had unscheduled and schedule maintenance hours for a total of 123.0 hours out of service. These hours were equivalent to 5 days. The duration of generation was reduced to 179 days.

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10
11

Witness) Mark W. McAdams

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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1 **Item 12)**

2 *a. State whether Big Rivers has audited any of its coal*
3 *contracts during the period from May 1, 2013, through*
4 *October 31, 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 audited one of its coal supply agreements during*
14 *the period from May 1, 2013, through October 31, 2013.*

15 *b.*

16 *(1) Patriot Coal Sales, LLC (BRE-11-021);*

17 *(2) Integrity Development Consultants, Inc.;*

18 *(3) The audit was performed pursuant to a governmental*
19 *imposition claim made by Patriot in regard to the phase out*
20 *of the SR-100 Self-Contained Self-Rescuer (SCSR) due to*
21 *mechanical failure (failure of the oxygen starter). The SR-*
22 *100 model was to be replaced not later than December 31,*
23 *2013 (MSHA Bulletin No. P12-09); and*

24 *(4) Upon review by an independent mine engineering*
25 *consultant, Integrity Development, the governmental*

BIG RIVERS ELECTRIC CORPORATION

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**Response to Commission Staff's Request for Information
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1 imposition claim was determined valid (accurate and
2 reasonable) and substantially supported. Pursuant to the
3 findings of the independent mine engineer's audit, and
4 obligations within the contractual agreement between Big
5 Rivers and Patriot Coal Sales, LLC, the claim for
6 governmental imposition of \$7,596.54 was paid in full.

7
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9
10

Witness) Mark W. McAdams

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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February 28, 2014

1 **Item 13)**

- 2 **a. State whether Big Rivers has received any customer**
3 **complaints regarding its FAC during the period from May**
4 **1, 2013, through October 31, 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**
11 **its FAC during the period from May 1, 2013, through October**
12 **31, 2013.**
- 13 **b. Not Applicable.**

14

15

16 **Witness) Nicholas R. Castlen**

17

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 **Item 14)**

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

17
18 **Response)**

- 19 a. Yes.
20 b.
21 (1) Oxford Mining Company - Kentucky, LLC ("Oxford").
22 (2) The contract involved in the litigation was executed
23 October 31, 2007, and assumed by Big Rivers July 17, 2009.

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
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February 28, 2014

1 After Big Rivers assumed the contract, Big Rivers and
2 Oxford entered into an amended and restated contract
3 effective as of July 1, 2010.

4 (3) – (4)

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

BIG RIVERS ELECTRIC CORPORATION

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1 (5) This information was previously provided as an attachment
2 to Big Rivers' response, dated September 11, 2012, to Item
3 14b.(5) of the Commission Staff's Request for Information,
4 dated August 22, 2012, in Case No. 2012-00323.
5 c. Since the prior report concerning this litigation, the parties have
6 engaged in the taking of depositions and the exchange of
7 additional documents. In November 2013, Oxford Mining
8 Company – Kentucky, LLC asked the Ohio Circuit Court to
9 grant it a summary judgment with respect to liability.
10 Following the submission of briefs and oral arguments, the
11 Court denied this motion on January 6, 2014. The case now is
12 scheduled for trial commencing November 12, 2014, in the Ohio
13 Circuit Court. In the meantime the parties will continue with
14 discovery and trial preparation, and, in addition, will engage in
15 a mediation which is to be conducted on or before July 15, 2014.

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Witness) Mark W. McAdams

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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**Response to Commission Staff's Request for Information
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February 28, 2014

1 **Item 15)**

2 *a. During the period from May 1, 2013, through October 31,*
3 *2013, have there been any changes to Big Rivers' written*
4 *policies and procedures regarding its fuel procurement?*

5 *b. If yes,*

6 *(1) Describe the changes;*

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

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

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

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

15

16 **Response)**

17 *a. No. However, Big Rivers has discovered that its response, filed*
18 *August 29, 2013, to Item 15 of the Commission Staff's Request*
19 *for Information, dated August 8, 2013, in Case No. 2013-00266*
20 *inadvertently omitted a change to its Fuel Procurement Policies*
21 *and Procedures – Policy No. 120. Big Rivers notes, however,*
22 *that the change, a change in title, had no material impact on its*
23 *fuel procurement operations and staffing.*

24

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

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- b.
 - (1) Big Rivers revised its Fuel Procurement Policies and Procedures – Policy No. 120 to change the phrase ‘Vice President Production’ to ‘Chief Operating Officer.’
 - (2) Clean and redline versions of Big Rivers’ Fuel Procurement Policies and Procedures – Policy No. 120 are attached hereto.
 - (3) The aforementioned change was made on March 13, 2013.
 - (4) The aforementioned change was made to reflect the change in the job title of Robert W. Berry, formerly Big Rivers’ Vice President Production and now Big Rivers’ Chief Operating Officer.
- c. Big Rivers has provided the policies listed in the table below to the Commission. Big Rivers provided Policy No. 111 – Hedge Policy in its response, filed September 11, 2012, to Item 15 of the Commission Staff’s Request for Information, dated August 22, 2012, in Case No. 2012-00323. Big Rivers provided Policy No. 105 – Energy Related Transaction Authority Policy *and* Appendix A to Policy No. 105 – Energy Related Transaction Authority Policy in its response, filed August 29, 2013, to Item 15 of the Commission Staff’s Request for Information, dated August 8, 2013, in Case No. 2013-00266.

BIG RIVERS ELECTRIC CORPORATION

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**Response to Commission Staff's Request for Information
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1

Big Rivers Electric Corporation Policies and Procedures for Fuel Procurement				
Number	Name	Date Last Change	Provided In	Date Provided
105	Energy Related Transaction Authority	2013-02-27	Case No. 2013-00266	2013-08-29
111	Hedge Policy	2012-03-16	Case No. 2012-00323	2012-09-11
Appendix A	Energy Related Transaction Authority	2013-03-12	Case No. 2013-00266	2013-08-29

2

3

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

5 **Wayne O'Bryan**

6

Subject: Fuel Procurement Policies and Procedures	Original Effective Date	<u>07/16/2009</u>	Approved By: Board
	Original Approval Date	<u>12/21/2007</u>	
	Date Last Revised	<u>03/14/2013</u>	

The purpose of the Fuel Procurement Policies and Procedures guidelines is to present the principles that govern the procurement of fuel, reagent, and associated transportation. This document is not intended to provide a step-by-step procedural flow, but place an emphasis on procurement policies and a concise overview of appropriate procurement practices. The awarding of Contracts and Purchase Orders will comply with business controls including corporate governance, authority limit matrices, auditing recommendations, and other established practices and limitations.

FUEL PROCUREMENT POLICIES AND PROCEDURES

A. Definitions:

1. "Agreement" means a legally binding document, in which one party agrees to sell and the other agrees to buy fuel, reagent, or transportation services for such, which is executed by both Buyer and Seller.
2. "Award Recommendation" means the Company's approval process for the review and approval by Senior Management of a recommended fuel, reagent, or transportation purchase that fall outside the limits established in the Company's granted authority limits.
3. "Company" means Big Rivers Electric Corporation.
4. "Contract" is an Agreement, Letter Agreement, Purchase Order, or Spot Contract for fuel supply, reagent, or such transportation with certain terms and conditions that describe the business transaction under which the Company procures fuel, reagent, and related transportation.
5. "Contract purchase" means any purchase of fuel, reagent, or transportation on behalf of the Company under a contract, typically more than one year's duration.
6. "Department" means the Company's Fuels Department.
7. "Director" means the Company's Director of Fuels.
8. "Emergency" means extraordinary conditions affecting fuel production, transportation, or usage, including but not limited to strikes, lockouts or other labor problems, embargoes, mining impediments and other problems affecting the production or transportation of fuel, existing and/or forecasted extreme weather conditions, or any other conditions or circumstances that could be reasonably foreseen as impairing the continued supply of fuel to Company facilities.
9. "Environmental standards" mean the legal requirements for compliance with emission levels or other environmental requirements applicable to one or more of the Company's generating units.
10. "Fuel" means combustibles purchased by the Company for one or more of its generating stations.
11. "Chief Operating Officer" means the Company's principal individual responsible for power generation and fuel procurement, among other duties.

Subject: Fuel Procurement Policies and Procedures	Original Effective Date <u>07/16/2009</u> Original Approval Date <u>12/21/2007</u> Date Last Revised <u>03/14/2013</u>	Approved By: Board
---	--	----------------------------------

12. "Solicitation" means the process of soliciting bids (written or oral) for the supply of fuel, reagent, and/or related transportation services.
13. "Spot Contract" is a type of agreement that may be issued by the Company for the supply of fuel, reagent, or related transportation of such with a term of typically one year or less.
14. "Spot Purchase" means any purchase of fuel, reagent, or related transportation on behalf of the Company where the terms and conditions are incorporated in the Letter Agreement, Purchase Order or Spot Contract and the term is typically of one year or less.
15. "Station" means one of the Company's generating facilities.
16. "Supplier" means the seller or counterparty to an agreement who is obligated to comply with and fulfill the agreement's terms and conditions.
17. "Unit" means a generating unit at a station.
18. "Unit bus bar cost" is the total variable production cost including the maintenance cost associated with burning the fuel.

B. Fuel Procurement Policies:

The Company's fuel procurement policy is to obtain an adequate supply of fuel and reagent of sufficient quality at the most competitive overall evaluated cost on a unit bus bar basis consistent with the Company's obligations to provide adequate and reliable service to its customers, to meet operational and environmental standards, and to meet any other applicable legal requirements. The Company will use its best efforts to secure its fuel and reagent supply at competitive prices through solicitation for such.

Implementation of this policy is of highest priority to the Company. The Fuels Department shall be organized and staffed, and fuel procurement procedures and administration shall be conducted, in an efficient and practical manner consistent with this policy. Fuel, reagent, and related transportation shall be purchased at competitive prices considering all material factors. The factors include but are not limited to: quantity needed to maintain an adequate supply, quality necessary to ensure generating unit operating and maintenance characteristics and environmental standards, reliability of the supplier, creditworthiness, and forward planning to meet projected system requirements, and meeting emergency or other unusual circumstances that might affect operating conditions. From time to time, the Director of Fuels will review the Company's Fuel Procurement Policies and Procedures and recommend updates as appropriate.

C. Organization:

Subject: Fuel Procurement Policies and Procedures	Original Effective Date	<u>07/16/2009</u>	Approved By: Board
	Original Approval Date	<u>12/21/2007</u>	
	Date Last Revised	<u>03/14/2013</u>	

1. **Department Structure.** The Department shall be organized and staffed to effectively administer the Company's fuel procurement function.
2. **Organizational Responsibility.** The Chief Operating Officer to whom the Director reports, has the responsibility for fuel procurement. The Director is responsible for the Department. Other departments may be called upon by the Department to the extent the Director or Chief Operating Officer considers advisable in the execution of the functions of the Department.
3. **Approval Authority (Award Recommendation).** An Award Recommendation will be prepared for all fuel purchases that exceed the term, tenor, or notional amount of authority of the Director of Fuels which is specified in the single transaction authority limits by the Company. The Award Recommendation will be drafted by the Director, reviewed by Fuels legal counsel, and executed by the Chief Operating Officer within the authority granted by the Energy Related Transaction Authority Policy. Greater expenditures shall require the signature of the Company's President and Chief Executive Officer and within his trading authority as established by the Board of Directors. These levels of authority may be amended, supplemented, or superseded as dictated by the Company.
4. **Reports.** The Director will instruct the Department to prepare, maintain and distribute reports to management and others as deemed necessary for business operations and regulatory requirements.
5. **Records.** The Department shall maintain the following records:
 - a. **Open Contract Files.** The Department shall maintain the following on open status for at least one-year or longer as the contract term or other conditions warrant:
 1. For each current contract supplier, the files will contain:
 - a) Contract documents, amendments, purchase orders and escalation documentation;
 - b) General correspondence;
 - c) Invoices and invoice verification data;
 - d) Delivery records and quality analyses data;
 - e) Inspection reports and other data.
 2. A record of transportation equipment owned or leased by the Company (as applicable).
 3. A list containing current suppliers and known potential Suppliers of fuel.
 - b. **Closed Contract Files.** The Department shall maintain its files according to the Company's record retention plan.
6. **General Administrative Duties.**

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The Department shall subscribe to and have membership in appropriate trade and industry publications and/or associations, to include reports of governmental or consulting agencies concerning fuel, reagent, and related transportation market information, to include fuel prices and/or projections. Department personnel shall use their best efforts to keep current with fuel market conditions, prices and availability, and other developments relating to fuel procurement.

D. Fuel Supply Procedures:

1. **Projections.** In conjunction with other departments of the Company, the Department shall prepare annually a projection of fuel usage and cost at each Station for the number of years required for use in the Company's planning process.
2. **Contract/Spot Mix.** Subject to the approval of the Chief Operating Officer, the Director shall determine whether a contract purchase is advisable, considering the following factors: (a) the availability of adequate supplies from qualified suppliers, (b) the advisability or need to have an adequate supply committed for an existing or planned unit (subject to inventory limits specified by the Company), (c) the desire to maintain practical flexibility as to market conditions and other factors affecting price and availability, (d) existing and anticipated environmental standards, (e) such other factors as may reasonably affect the implementation of the Company's Fuel Procurement Policy and (f) fuel impact on generation facilities' operation and maintenance.
3. **Current Requirements.** The Department shall review and analyze the data available to the Department for purposes of conducting fuel and reagent purchases in a timely manner to meet the requirements of the Company.
4. **Supplier Qualifications.** The Company shall select potential suppliers on the basis of evaluation, market intelligence, performance information (as available), industry research, and creditworthiness, as determined by the Director and his staff. No potential qualified supplier shall be preferred or discriminated against because of race, religion, color, sex, age or marital status of the supplier or any of its representatives.

A supplier evaluation (to include site visit and mine engineering and/or performance report) may be performed to determine if a supplier has the ability to deliver in the time frame requested the quantity and quality of coal or reagent bid at the offered price.

5. **Solicitations.** The Department shall maintain a current list of Suppliers and shall review that list from time to time to ensure that it remains current. Normally, the Company shall purchase its fuel and reagent through sealed bid solicitations; however, the Company reserves the right to utilize its market intelligence to seize opportunity purchases of fuels and reagent, request oral, written, or electronic offers, potentially followed by negotiations, when in its judgment market conditions provide an opportunity to obtain fuel or reagent more advantageously than through mailed bid solicitations and usual procedures. When the Company foregoes the solicitation process, documentation shall be appended to the resulting purchase order file describing the conditions.

A notice of a request for quotation ("RFQ") shall be provided to normal industry newsletters and information postings. The normal solicitation process shall require that potential suppliers be

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notified in writing as to the general quantities, terms and quality specifications required. An RFQ number will be assigned to for the quotation package. An RFQ will include: instructions to bidders (date and time due); scope of supply (quantity and quality); potential term; standard terms and conditions of typical agreements.

Offers from potential suppliers shall be returned by the requested date and time or they will be rejected. A bid log shall be kept for logging in receipt of bid offers. Attendees viewing the opening of the bid shall initial the bid document as opened and the log as at the completion of the opening. Offers shall be opened and logged in the presence of the Chief Operating Officer and Director of Fuel or their representative in their absence, and another selected representative outside of the Fuels Department.

All appropriate bid data shall be documented and electronically categorized for the process of evaluation of the various offerings of fuel and reagent. The documents shall be maintained in a secured area and shall be kept pursuant to normal record keeping practices.

6. Contract Awards. The Department shall review and analyze each Contract offer. The Director, or his/her representative, may engage in preliminary negotiations to determine which offers warrant further consideration. The Director and/or representative shall investigate the potential supplier and proposed source of supply; and, as to any offer for fuel, the Department shall verify the adequacy of the proposed source of supply as to quantity, quality, and timely deliverability.

The evaluation shall include, but not necessarily be limited to, the response to the RFQ (items required by the RFQ for satisfactory operational, environmental, and economic criteria); diversity of supply; supplier credit assessment; transportation mode and cost; and diversity of suppliers to provide the lowest evaluated cost of electrical energy to the Unit bus bar over the long term.

From this initial evaluation, a select group of potential suppliers (a "short-list") of suppliers shall be developed for more in-depth evaluation. The Department may then engage in preliminary discussions to ensure that the offer warrants further evaluation and consideration. The objective of the negotiating discussions is to ensure that the Company achieves balanced terms and conditions and the lowest evaluated electrical energy delivered to the Unit bus bar and reliable supply consistent with other qualifiers related to supplier reliability, environmental restraints, transportation options, etc.

The recommended Supplier(s) shall be selected by the negotiating team based upon the evaluation criteria and the results of the negotiating discussions. The Department shall prepare a detailed Award Recommendation for approval. The Award Recommendation shall document the selection criteria and pertinent factors, and in circumstances where more than one company is selected, the recommendation shall describe the tonnage requirements and other responsibilities of each of the other recommended Suppliers.

All contracts for which the term, tenor or notional amount exceed the limits specified for the Director of Fuels must be approved and signed by individual(s) authorized per the Energy Related Transaction Authority Policy.

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7. **Spot Purchases.** Spot purchases may be made by the Company whenever considered advisable by the Director in furtherance of the Company's fuel and reagent needs, subject to the limit of authority as outlined by the Company.
 8. **Documentation.** Contracts shall be signed by a duly appointed officer of the Supplier and an Officer of the Company. A purchase order may be issued for a spot purchase. A purchase order shall contain all terms of that purchase. Further, the Department shall maintain documentation of the final list (log) of bidders, a copy of the entire bid package; bidder's responses; and the bid evaluation summary used for decision support.
 9. **Fuel Oil.** Fuel Supply Procedures principally address procurement of solid fuel. Fuel oil is procured on an "as-needed" basis due to the infrequency of use of this fuel and the nature of the oil markets. When the need for oil arises, the Fuels Department shall act to solicit vendors for offers. Orders are assigned on the basis of lowest delivered cost per mMBTU and ability to fill the order. Solicitation results shall be documented and purchase orders issued in the Fuels Department for those purchases initiated and completed by the Department.
- E. Fuel Supply and Reagent Agreement Administration:**
1. **Compliance.** The Department shall review and analyze daily business and operational reports to properly administer all fuel and transportation agreements.
 2. **Coal weights.** Coal weights shall be obtained by either the Company or by Supplier, upon agreement by Company. Coal weight is obtained by scale or draft method, depending upon Company site or methodology employed by Supplier to ascertain weights. In either event, coal weights are obtained by industry-accepted standards, and in cases where scales are utilized, are duly tested and maintained in proper order for such purpose. In cases where draft weights are utilized, the Company employs processes to verify actions to obtain draft weights and that such measures are by industry-accepted standards. Coal quantity is obtained by Station personnel and reported through the fuels information system or is provided by the Supplier pursuant to the contract agreement.
 3. **Coal sampling.** Coal sampling and analysis shall be performed by either the Company or the Supplier, upon agreement by Company. Coal sampling and analysis shall be performed according to procedures adopted by the Company's laboratory in accordance with A.S.T.M. standards for coal sampling, coal sample preparation, coal sample identification, handling of sample, and coal analysis. Coal quality is assessed and reported through the fuels information system by the Company's laboratory personnel or is provided by the Supplier pursuant to the contract agreement.
 4. **Amendments.** A contract shall not be materially amended except after analysis by the Department and recommendation of the Director of Fuels or the Chief Operating Officer. No material contract or purchase order addendum shall be made except upon recommendation of the Director and subject to the approval limits of the Company.
 5. **Contract Administration.** The Director and the Department shall remain informed as to the terms and conditions of each current contract, and maintain the necessary data to administer the

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contracts. Every supplier request for a change in terms, conditions, or prices must be written and supported by adequate data in conformity with the contract. Each such request shall be analyzed by the Department against the contract provisions, and reported with recommendations to the

Director. After review by the Director, the supplier request and Department's recommendations shall be approved as required by the Company. If any request is not approved in whole or in part, the Director shall advise the supplier, specifying the Company's objections with an adequate explanation. If the supplier's request is not approved, negotiation between the supplier and Company as dictated by contract terms shall be the primary method of resolving the issue.

6. **Force Majeure.** A supplier's claim for relief from compliance with fuel supply agreement terms due to force majeure conditions must be in writing with an adequate description of conditions warranting nonperformance. Each force majeure claim shall be reviewed by the Director and the company's legal counsel.
7. **Inspections.** The Director shall request inspections of mining and other facilities of a contract fuel and/or reagent supplier or other facilities as required or deemed necessary to manage the performance and contractual relationship (Contract Administration).

F. Fuel and Reagent Supply Agreement Enforcement:

1. **General Enforcement Policy.** Supplier obligations under Fuel or Reagent Supply Agreements shall be enforced by the Company in a reasonable, fair, and practical manner to achieve supplier compliance with the Company's overall procurement policy and the continuing supply of fuel to meet current and anticipated system requirements.
2. **Director Responsibility.** Whenever it is determined that a shipment does not meet Fuel Supply or Reagent Agreement terms, the Director, or his/her designee, shall inform the supplier and direct that subsequent shipments be in compliance. When necessary the Chief Operating Officer and the Director may determine, or receive advice, as to further action needed to assure fuel or reagent supply agreement compliance.
3. **Legal Assistance.** The Department shall have access to, and shall receive advice from, legal counsel as provided by the Company on any matter relating to fuel, reagent, and related transportation procurement, contracts and amendments thereto, administration, and enforcement. Should a dispute as to a supplier's performance fail to be satisfactorily resolved by the Director, the matter shall be referred to legal counsel. Legal counsel may consider further negotiation, arbitration (if provided by the contract), or litigation. No arbitration or litigation shall commence except on the advice of said counsel with approval by senior management.

G. Inventory Levels:

The Company has an obligation to ensure continuous low cost, reliable service to its members. Decisions affecting fuel inventory shall consider these obligations.

The Company shall maintain an adequate inventory while allowing for enough flexibility to permit inventory levels to be responsive to known and anticipated changes in conditions in an

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attempt to avoid risks and stoppages due to unforeseen conditions. Inventory shall be recommended based upon, but not limited to, supplier performance, environmental conditions, labor matters, logistical issues and concerns, and generation requirements and dispatch. The general level of inventory shall be monitored for such matters and recommendations to adjust inventory to meet anticipated conditions shall be made from time to time. Such inventory recommendations shall be made by the Director for approval by the Senior Management of the Company.

Coal inventories and reagent shall be monitored and reported regularly via the Company's fuel information system(s).

H. Emergency Procurement:

Any one or more of the procedures described herein may be waived by the Chief Operating Officer, when, in the informed judgment of the Director, and on his recommendation, fuel must be purchased without complying with one or more of such provisions due to extraordinary conditions including strikes, lockouts or other labor problems affecting fuel production, embargoes, mining or other problems affecting production or transportation, existing and/or forecasted extreme weather conditions, or any other conditions or circumstances that can be reasonably foreseen as impairing the continued supply of fuel and reagent to the Company from its existing suppliers. When such a purchase is made, documentation of circumstances will be appended to the purchase order and/or contract file.

I. Transportation Services Contracts:

Transportation services bids shall be requested and Contracts negotiated whenever appropriate. Consideration shall be given to plant requirements, supplier loading capabilities, relative location of supplier to Stations, transportation mix, unloading capabilities and capacities at Stations, logistic constraints, transportation provider economics, Station material handling economics, and any other factor which might affect the delivery of Fuel and reagent to the Company's Stations.

Unless otherwise dictated by Emergency situations, the Solicitation process will be utilized for transportation services. The selection of transportation provider will generally be based upon, but not necessarily limited to cost, reliability, insurance, past / current performance, container availability and suitability for purpose, material handling capacities and constraints, transportation mix, and any other mitigating factors in terms of logistics.

All transportation service agreements shall be in written contractual form duly executed by an authorized supplier of service and the Company.

J. Ethics and Conduct:

The Company recognizes the importance of following appropriate business ethics to guide the conduct of the Fuels Department in the performance of its duties and responsibilities. Fuels staff shall adhere to the ethical standards and policies of the Company including, but not limited to, the Business Ethics Policy and the Conflicts of Interest Policy for Big Rivers' Employees.

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Also, each contractual document shall denote that the contract was prepared and executed in ethical dealing.

Fuels staff shall endeavor to serve the best interests of the Company, its Members, and stakeholders in the performance of their duties and responsibilities.

Number	Date	Notes	Approved by
Original	12/21/2007	Approved to be effective at close of unwind	Board
Rev. 1	03/16/2012	Update out of date language and staffing changes	Board
Rev. 2	03/14/2013	Update due to title change	

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The purpose of the Fuel Procurement Policies and Procedures guidelines is to present the principles that govern the procurement of fuel, reagent, and associated transportation. This document is not intended to provide a step-by-step procedural flow, but place an emphasis on procurement policies and a concise overview of appropriate procurement practices. The awarding of Contracts and Purchase Orders will comply with business controls including corporate governance, authority limit matrices, auditing recommendations, and other established practices and limitations.

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FUEL PROCUREMENT POLICIES AND PROCEDURES

A. Definitions:

1. "Agreement" means a legally binding document, in which one party agrees to sell and the other agrees to buy fuel, reagent, or transportation services for such, which is executed by both Buyer and Seller.
2. "Award Recommendation" means the Company's approval process for the review and approval by Senior Management of a recommended fuel, reagent, or transportation purchase that fall outside the limits established in the Company's granted authority limits.
3. "Company" means Big Rivers Electric Corporation.
4. "Contract" is an Agreement, Letter Agreement, Purchase Order, or Spot Contract for fuel supply, reagent, or such transportation with certain terms and conditions that describe the business transaction under which the Company procures fuel, reagent, and related transportation.
5. "Contract purchase" means any purchase of fuel, reagent, or transportation on behalf of the Company under a contract, typically more than one year's duration.
6. "Department" means the Company's Fuels Department.
7. "Director" means the Company's Director of Fuels.
8. "Emergency" means extraordinary conditions affecting fuel production, transportation, or usage, including but not limited to strikes, lockouts or other labor problems, embargoes, mining impediments and other problems affecting the production or transportation of fuel, existing and/or forecasted extreme weather conditions, or any other conditions or circumstances that could be reasonably foreseen as impairing the continued supply of fuel to Company facilities.
9. "Environmental standards" mean the legal requirements for compliance with emission levels or other environmental requirements applicable to one or more of the Company's generating units.
10. "Fuel" means combustibles purchased by the Company for one or more of its generating stations.
11. "Chief Operating Officer" means the Company's principal individual responsible for power generation and fuel procurement, among other duties.

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- 12. "Solicitation" means the process of soliciting bids (written or oral) for the supply of fuel, reagent, and/or related transportation services.
- 13. "Spot Contract" is a type of agreement that may be issued by the Company for the supply of fuel, reagent, or related transportation of such with a term of typically one year or less.
- 14. "Spot Purchase" means any purchase of fuel, reagent, or related transportation on behalf of the Company where the terms and conditions are incorporated in the Letter Agreement, Purchase Order or Spot Contract and the term is typically of one year or less.
- 15. "Station" means one of the Company's generating facilities.
- 16. "Supplier" means the seller or counterparty to an agreement who is obligated to comply with and fulfill the agreement's terms and conditions.
- 17. "Unit" means a generating unit at a station.
- 18. "Unit bus bar cost" is the total variable production cost including the maintenance cost associated with burning the fuel.

B. Fuel Procurement Policies:

The Company's fuel procurement policy is to obtain an adequate supply of fuel and reagent of sufficient quality at the most competitive overall evaluated cost on a unit bus bar basis consistent with the Company's obligations to provide adequate and reliable service to its customers, to meet operational and environmental standards, and to meet any other applicable legal requirements. The Company will use its best efforts to secure its fuel and reagent supply at competitive prices through solicitation for such.

Implementation of this policy is of highest priority to the Company. The Fuels Department shall be organized and staffed, and fuel procurement procedures and administration shall be conducted, in an efficient and practical manner consistent with this policy. Fuel, reagent, and related transportation shall be purchased at competitive prices considering all material factors. The factors include but are not limited to: quantity needed to maintain an adequate supply, quality necessary to ensure generating unit operating and maintenance characteristics and environmental standards, reliability of the supplier, creditworthiness, and forward planning to meet projected system requirements, and meeting emergency or other unusual circumstances that might affect operating conditions. From time to time, the Director of Fuels will review the Company's Fuel Procurement Policies and Procedures and recommend updates as appropriate.

C. Organization:

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1. **Department Structure.** The Department shall be organized and staffed to effectively administer the Company's fuel procurement function.

2. **Organizational Responsibility.** The Chief Operating Officer to whom the Director reports, has the responsibility for fuel procurement. The Director is responsible for the Department. Other departments may be called upon by the Department to the extent the Director or Chief Operating Officer considers advisable in the execution of the functions of the Department.

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3. **Approval Authority (Award Recommendation).** An Award Recommendation will be prepared for all fuel purchases that exceed the term, tenor, or notional amount of authority of the Director of Fuels which is specified in the single transaction authority limits by the Company. The Award Recommendation will be drafted by the Director, reviewed by Fuels legal counsel, and executed by the Chief Operating Officer within the authority granted by the Energy Related Transaction Authority Policy. Greater expenditures shall require the signature of the Company's President and Chief Executive Officer and within his trading authority as established by the Board of Directors. These levels of authority may be amended, supplemented, or superseded as dictated by the Company.

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4. **Reports.** The Director will instruct the Department to prepare, maintain and distribute reports to management and others as deemed necessary for business operations and regulatory requirements.

5. **Records.** The Department shall maintain the following records:

a. **Open Contract Files.** The Department shall maintain the following on open status for at least one-year or longer as the contract term or other conditions warrant:

1. For each current contract supplier, the files will contain:

- a) Contract documents, amendments, purchase orders and escalation documentation;
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2. A record of transportation equipment owned or leased by the Company (as applicable).

3. A list containing current suppliers and known potential Suppliers of fuel.

b. **Closed Contract Files.** The Department shall maintain its files according to the Company's record retention plan.

6. **General Administrative Duties.**

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The Department shall subscribe to and have membership in appropriate trade and industry publications and/or associations, to include reports of governmental or consulting agencies concerning fuel, reagent, and related transportation market information, to include fuel prices and/or projections. Department personnel shall use their best efforts to keep current with fuel market conditions, prices and availability, and other developments relating to fuel procurement.

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1. Projections. In conjunction with other departments of the Company, the Department shall prepare annually a projection of fuel usage and cost at each Station for the number of years required for use in the Company's planning process.

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3. Current Requirements. The Department shall review and analyze the data available to the Department for purposes of conducting fuel and reagent purchases in a timely manner to meet the requirements of the Company.

4. Supplier Qualifications. The Company shall select potential suppliers on the basis of evaluation, market intelligence, performance information (as available), industry research, and creditworthiness, as determined by the Director and his staff. No potential qualified supplier shall be preferred or discriminated against because of race, religion, color, sex, age or marital status of the supplier or any of its representatives.

A supplier evaluation (to include site visit and mine engineering and/or performance report) may be performed to determine if a supplier has the ability to deliver in the time frame requested the quantity and quality of coal or reagent bid at the offered price.

5. Solicitations. The Department shall maintain a current list of Suppliers and shall review that list from time to time to ensure that it remains current. Normally, the Company shall purchase its fuel and reagent through sealed bid solicitations; however, the Company reserves the right to utilize its market intelligence to seize opportunity purchases of fuels and reagent, request oral, written, or electronic offers, potentially followed by negotiations, when in its judgment market conditions provide an opportunity to obtain fuel or reagent more advantageously than through mailed bid solicitations and usual procedures. When the Company foregoes the solicitation process, documentation shall be appended to the resulting purchase order file describing the conditions.

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The evaluation shall include, but not necessarily be limited to, the response to the RFQ (items required by the RFQ for satisfactory operational, environmental, and economic criteria); diversity of supply; supplier credit assessment; transportation mode and cost; and diversity of suppliers to provide the lowest evaluated cost of electrical energy to the Unit bus bar over the long term.

From this initial evaluation, a select group of potential suppliers (a "short-list") of suppliers shall be developed for more in-depth evaluation. The Department may then engage in preliminary discussions to ensure that the offer warrants further evaluation and consideration. The objective of the negotiating discussions is to ensure that the Company achieves balanced terms and conditions and the lowest evaluated electrical energy delivered to the Unit bus bar and reliable supply consistent with other qualifiers related to supplier reliability, environmental restraints, transportation options, etc.

The recommended Supplier(s) shall be selected by the negotiating team based upon the evaluation criteria and the results of the negotiating discussions. The Department shall prepare a detailed Award Recommendation for approval. The Award Recommendation shall document the selection criteria and pertinent factors, and in circumstances where more than one company is selected, the recommendation shall describe the tonnage requirements and other responsibilities of each of the other recommended Suppliers.

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 1. **Compliance.** The Department shall review and analyze daily business and operational reports to properly administer all fuel and transportation agreements.
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contracts. Every supplier request for a change in terms, conditions, or prices must be written and supported by adequate data in conformity with the contract. Each such request shall be analyzed by the Department against the contract provisions, and reported with recommendations to the

Director. After review by the Director, the supplier request and Department's recommendations shall be approved as required by the Company. If any request is not approved in whole or in part, the Director shall advise the supplier, specifying the Company's objections with an adequate explanation. If the supplier's request is not approved, negotiation between the supplier and Company as dictated by contract terms shall be the primary method of resolving the issue.

- 6. Force Majeure. A supplier's claim for relief from compliance with fuel supply agreement terms due to force majeure conditions must be in writing with an adequate description of conditions warranting nonperformance. Each force majeure claim shall be reviewed by the Director and the company's legal counsel.
- 7. Inspections. The Director shall request inspections of mining and other facilities of a contract fuel and/or reagent supplier or other facilities as required or deemed necessary to manage the performance and contractual relationship (Contract Administration).

F. Fuel and Reagent Supply Agreement Enforcement:

- 1. General Enforcement Policy. Supplier obligations under Fuel or Reagent Supply Agreements shall be enforced by the Company in a reasonable, fair, and practical manner to achieve supplier compliance with the Company's overall procurement policy and the continuing supply of fuel to meet current and anticipated system requirements.
- 2. Director Responsibility. Whenever it is determined that a shipment does not meet Fuel Supply or Reagent Agreement terms, the Director, or his/her designee, shall inform the supplier and direct that subsequent shipments be in compliance. When necessary the Chief Operating Officer and the Director may determine, or receive advice, as to further action needed to assure fuel or reagent supply agreement compliance.

Deleted: Vice President Production

- 3. Legal Assistance. The Department shall have access to, and shall receive advice from, legal counsel as provided by the Company on any matter relating to fuel, reagent, and related transportation procurement, contracts and amendments thereto, administration, and enforcement. Should a dispute as to a supplier's performance fail to be satisfactorily resolved by the Director, the matter shall be referred to legal counsel. Legal counsel may consider further negotiation, arbitration (if provided by the contract), or litigation. No arbitration or litigation shall commence except on the advice of said counsel with approval by senior management.

G. Inventory Levels:

The Company has an obligation to ensure continuous low cost, reliable service to its members. Decisions affecting fuel inventory shall consider these obligations.

The Company shall maintain an adequate inventory while allowing for enough flexibility to permit inventory levels to be responsive to known and anticipated changes in conditions in an

Subject: Fuel Procurement Policies and Procedures	Original Effective Date	<u>07/16/2009</u>	Approved By: Board
	Original Approval Date	<u>12/21/2007</u>	
	Date Last Revised	<u>03/16/2012</u>	

attempt to avoid risks and stoppages due to unforeseen conditions. Inventory shall be recommended based upon, but not limited to, supplier performance, environmental conditions, labor matters, logistical issues and concerns, and generation requirements and dispatch. The general level of inventory shall be monitored for such matters and recommendations to adjust inventory to meet anticipated conditions shall be made from time to time. Such inventory recommendations shall be made by the Director for approval by the Senior Management of the Company.

Deleted: f

Coal inventories and reagent shall be monitored and reported regularly via the Company's fuel information system(s).

H. Emergency Procurement:

Any one or more of the procedures described herein may be waived by the Chief Operating Officer, when, in the informed judgment of the Director, and on his recommendation, fuel must be purchased without complying with one or more of such provisions due to extraordinary conditions including strikes, lockouts or other labor problems affecting fuel production, embargoes, mining or other problems affecting production or transportation, existing and/or forecasted extreme weather conditions, or any other conditions or circumstances that can be reasonably foreseen as impairing the continued supply of fuel and reagent to the Company from its existing suppliers. When such a purchase is made, documentation of circumstances will be appended to the purchase order and/or contract file.

Deleted: Vice President Production

I. Transportation Services Contracts:

Transportation services bids shall be requested and Contracts negotiated whenever appropriate. Consideration shall be given to plant requirements, supplier loading capabilities, relative location of supplier to Stations, transportation mix, unloading capabilities and capacities at Stations, logistic constraints, transportation provider economics, Station material handling economics, and any other factor which might affect the delivery of Fuel and reagent to the Company's Stations.

Unless otherwise dictated by Emergency situations, the Solicitation process will be utilized for transportation services. The selection of transportation provider will generally be based upon, but not necessarily limited to cost, reliability, insurance, past / current performance, container availability and suitability for purpose, material handling capacities and constraints, transportation mix, and any other mitigating factors in terms of logistics.

All transportation service agreements shall be in written contractual form duly executed by an authorized supplier of service and the Company.

J. Ethics and Conduct:

The Company recognizes the importance of following appropriate business ethics to guide the conduct of the Fuels Department in the performance of its duties and responsibilities. Fuels staff shall adhere to the ethical standards and policies of the Company including, but not limited to, the Business Ethics Policy and the Conflicts of Interest Policy for Big Rivers' Employees.



BOARD POLICY

Policy Number 120

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	Date Last Revised	<u>03/16/2012</u>	

Also, each contractual document shall denote that the contract was prepared and executed in ethical dealing.

Fuels staff shall endeavor to serve the best interests of the Company, its Members, and stakeholders in the performance of their duties and responsibilities.

Number	Date	Notes	Approved by
Original	12/21/2007	Approved to be effective at close of unwind	Board
Rev. 1	03/16/2012	Update out of date language and staffing changes	Board
Rev. 2	03/14/2013	Update due to title change	

Deleted: 06

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THROUGH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

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 May 1, 2013,***
5 ***through October 31, 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 May 1, 2013, through October 31, 2013. Big Rivers is also**
16 **unaware of any previously unreported violations of its policies**
17 **and procedures regarding fuel procurement.**

18 **b. Not applicable.**

19

20

21 **Witness) Mark W. McAdams**

22

BIG RIVERS ELECTRIC CORPORATION

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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 May 1, 2013, through October 31, 2013.*

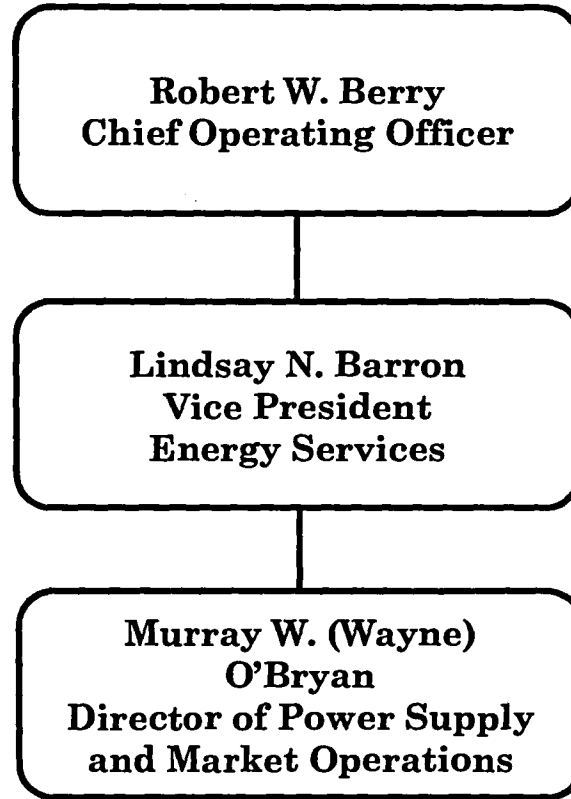
5
6 **Response)** The Manager of Power Supply and Market Operations in Big Rivers'
7 Energy Service group accepted a position with another utility and left Big Rivers
8 in September 2013. As a result, Wayne O'Bryan was hired in September 2013 as
9 Big Rivers' Director of Power Supply and Market Operations. Mr. O'Bryan
10 currently has administrative responsibilities for Big Rivers' natural gas
11 procurement. Mr. O'Bryan was previously the General Manager of Big Rivers'
12 Coleman Station; he reports to Ms. Lindsay Barron, Big Rivers' Vice President
13 Energy Services. An organizational chart reflecting this change is attached
14 hereto.

15 There have been no other changes in the organizational structure
16 and personnel of the departments responsible for Big Rivers' fuel procurement
17 activities during the period from May 1, 2013, through October 31, 2013.

18
19
20 **Witnesses)** Mark W. McAdams and
21 Wayne O'Bryan

22

**Big Rivers Electric Corporation
Case No. 2013-00449
Natural Gas Fuel Procurement Organization
September 2013**



BIG RIVERS ELECTRIC CORPORATION

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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. The Coleman Unit 1 outage that had been deferred from April
11 2013 until September 2013 was cancelled in anticipation of
12 idling Coleman Station when SSR requirements terminate.
13 b. The Coleman Unit 1 deferred outage during the period under
14 review did not affect Big Rivers' fuel usage as the additional
15 twenty-eight (28) days of generation at Coleman was reported in
16 Big Rivers' response, dated August 29, 2013, to Item 18 of the
17 Commission Staff's Request for Information, dated August 8,
18 2013, in Case No. 2013-00266.

19
20
21 **Witness)** Lawrence V. Baronowsky

22

BIG RIVERS ELECTRIC CORPORATION

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1 **Item 19) *List each written coal supply solicitation issued during the***
2 ***period from May 1, 2013, through October 31, 2013.***

3

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

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

18

19 **Response)**

20 **BREC-13-02 (Spot and Term Solicitation)**

21

a.

22

i. Date solicitation was issued: May 10, 2013.

23

Date solicitation was returned: May 31, 2013.

24

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- 1 ii. Type of solicitation: Spot 2013 and term (2014 – 2018) written
2 bid solicitation (web-based distribution).
3 iii. Quantities solicited: Spot up to 200,000 tons; Term – up to
4 400,000 tons per year.
5 iv. Quality of coal solicited:
6 (a) BTU/lb.: 10,500 to 13,500;
7 (b) Ash (lbs/MMBTU): 0.74 to 14.29;
8 (c) Moisture (lbs/MMBTU): 8.89 to 11.90;
9 (d) Sulfur (lbs SO₂): 5.50 to 6.50 (coal); and
10 (e) Sulfur (lbs SO₂): up to 8.50 (petroleum coke)
11 v. Time period over which deliveries were requested:
12 (a) Spot solicitation: September 1 – December 31, 2013.
13 (b) Term solicitation: Years 2014 through 2018.
14 vi. Generating units for which the coal was intended include:
15 Coleman, Green, HMP&L Station Two, Reid, and Wilson.
16 b.
17 i. Number of vendors solicited: The coal solicitation was posted
18 to Big Rivers' web site for supplier review, print-out, and
19 written bid proposal submission. Big Rivers also notified coal
20 and petroleum coke journals for industry notification of the
21 placement of the solicitation on the web site and referral to the
22 web address for review and download. For bid BREC-13-02
23 there were 85 unique page views of the bid, including 32 new

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- 1 visitors to the web page, and 53 returning visitors to the web
2 page.
- 3 ii. Responding vendors: Fifteen (15) vendors replied to the spot
4 and term bid solicitation (excluding no bid responses).
- 5 iii. Selected vendors:
- 6 (a) *Spot fuel supply*: ExxonMobil, Foresight Coal (option
7 exercised), TCP Pet Coke, Oxbow Carbon & Minerals,
8 Peabody CoalSales (option exercised), and American Coal
9 Sales / KenAmerican Resources.
- 10 (b) *Term fuel supply*: No term contract awards were made
11 pursuant to this bid.
- 12 iv. The bid tabulation spreadsheet is being provided under a
13 Petition for Confidential Treatment.
- 14 v. The rationale for each selection is as follows:
- 15 (a) *Selected spot coal vendors*:
- 16 ExxonMobil - provided opportunity for additional tons of
17 spot pet coke from the Joliet Refinery for the remainder of
18 the second half of 2013 for use at Green and Wilson
19 Stations. The offer was the most competitive offer when
20 compared to other pet coke and coal offers and has been
21 blended successfully at Green and Wilson Stations. The
22 offer was accepted and an amendment was completed to
23 the first half 2013 spot contract already executed.

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1 Foresight Coal Sales – an existing option within the prior
2 contract was lower priced than the Company's bid offer.
3 The option was selected and Company notified by contract
4 terms.
5 TCP Pet Coke - provided an additional pet coke
6 opportunity from the CITGO refinery for the remainder of
7 2013. The pet coke has been successfully blended at
8 Wilson and Green Stations with regional coal. The TCP
9 pet coke offer was competitive, was accepted, and a spot
10 contract executed.
11 Oxbow Carbon & Minerals - presented a competitive offer
12 of petroleum coke. The pet coke was tested successfully
13 and the pricing attractive of the spot bids provided. This
14 offer was accepted and an amendment was completed to
15 their spot petroleum coke contract.
16 Peabody CoalSales - an existing option within the prior
17 contract was lower priced than the Company's bid offer.
18 The option was selected and Company notified by contract
19 terms.
20 American Coal Sales / KenAmerican Resources - provided
21 an offer of spot coal for delivery to Wilson Station via
22 truck. Wilson has successfully utilized KenAmerican
23 Resources coal in the past. The offer was accepted for
24 delivery of the spot coal.

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- 1 (b) *Selected term coal vendors:*
2 No term contract awards were made pursuant to this bid
3 (Bid 13-02).
4

5 BREC-13-04 (Spot and Term Solicitation)

- 6 a.
7 i. Date solicitation was issued: October 29, 2013.
8 Date solicitation was returned: November 15, 2013.
9 ii. Type of solicitation: Spot 2014 and term (2015 – 2018) written
10 bid solicitation (web-based distribution).
11 iii. Quantities solicited: Spot up to 45,000 tons per month in 2014;
12 Term – up to 500,000 tons per year.
13 iv. Quality of coal solicited:
14 (a) BTU/lb.: 10,500 to 13,500;
15 (b) Ash (lbs/MMBTU): 0.74 to 14.29;
16 (c) Moisture (lbs/MMBTU): 8.89 to 11.90;
17 (d) Sulfur (lbs SO₂): 5.50 to 6.50 (coal); and
18 (e) Sulfur (lbs SO₂): up to 8.50 (petroleum coke).
19 v. Time period over which deliveries were requested:
20 (a) Spot solicitation: Month-to-month 2014.
21 (b) Term solicitation: Years 2015 through 2018.
22 vi. Generating units for which the coal was intended include:
23 Coleman, Green, HMP&L Station Two, Reid, and Wilson.
24

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- 1 b.
- 2 i. Number of vendors solicited: The coal solicitation was posted
- 3 to Big Rivers' web site for supplier review, print-out, and
- 4 written bid proposal submission. Big Rivers also notified coal
- 5 and petroleum coke journals for industry notification of the
- 6 placement of the solicitation on the web site and referral to the
- 7 web address for review and download. For bid BREC-13-04
- 8 there were 31 unique page views of the bid.
- 9 ii. Responding vendors: Fifteen (15) vendors replied to the spot
- 10 and term bid solicitation (excluding no bid responses).
- 11 iii. Selected vendors:
- 12 (a) *Spot fuel supply*: ExxonMobil, Winn Energy, LLC,
- 13 Alliance Coal (Warrior Coal), American Coal Sales /
- 14 KenAmerican Resources, Alliance Coal (Hopkins County).
- 15 There are continuing negotiations surrounding additional
- 16 spot coal and petroleum coke supply from several
- 17 suppliers pursuant to bid BRE 13-04.
- 18 (b) *Term fuel supply*: No term contract awards were made
- 19 pursuant to this bid; however, some term coal offers
- 20 remain under discussion at this time.
- 21 iv. The bid tabulation spreadsheet is being provided under a
- 22 Petition for Confidential Treatment.
- 23 v. The rationale for each selection is as follows:
- 24

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- 1 (a) *Selected spot coal vendors:*
2 ExxonMobil - provided opportunity for spot pet coke from
3 the Joliet Refinery for the remainder of the first half of
4 2014 for use at Green Station. The offer was one of the
5 more competitive offers when compared to other pet coke
6 and coal offers and has been blended successfully at
7 Green Stations. The offer was accepted and a spot
8 contract was completed to the first half (January through
9 June) 2014.
10 Winn Energy, LLC – presented a small spot offer of coal
11 available for the first half of 2014, given the small
12 remaining quantity of coal in the reserve. Big Rivers'
13 tested the coal during prior bid period and found the coal
14 to be within delivery specifications (given pet coke
15 blending) at Green Station via truck delivery.
16 Alliance (Warrior Coal) – provided a competitive offer for
17 Green Station for coal supply. The extended operation of
18 Wilson Station through March 2014 created a spot
19 opening for Green and this was a low cost coal supply to
20 provide to the Station via truck.
21 American Coal Sales / KenAmerican Resources - provided
22 a spot coal opportunity for Wilson Station, given the two
23 month window in which the operations were extended
24 (February and March). The coal meets the Wilson

BIG RIVERS ELECTRIC CORPORATION

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1 specifications and could be quickly trucked into the
2 Wilson Station in order to continue operations.
3 Alliance (Hopkins County) - presented a competitive offer
4 of coal supply that would meet operational requirements
5 for the Reid Station. The spot coal supply is designed
6 upon an as-need basis from February through December
7 2014 and will assist when Reid is operational and in
8 inventory management for the Station.

9 (b) *Selected term coal vendors:*

10 At this point in time, there are no term contract awards
11 made pursuant to Bid BREC-13-04; however, discussions
12 regarding term purchases continue with selected bidders.
13
14

15 Witness) Mark W. McAdams
16

In the Matter of:

**AN EXAMINATION OF THE APPLICATION)
OF THE FUEL ADJUSTMENT CLAUSE OF)
BIG RIVERS ELECTRIC CORPORATION) Case No. 2013-00449
FROM)
MAY 1, 2013 THROUGH OCTOBER 31, 2013)**

**CONFIDENTIAL RESPONSE to
Item 19.b.iv of the Commission Staff's Data Request
dated February 7, 2014
FILED: February 28, 2014**

**INFORMATION SUBMITTED UNDER PETITION FOR CONFIDENTIAL
TREATMENT**

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
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1 **Item 20) *List each oral coal supply solicitation issued during the***
2 ***period from May 1, 2013, through October 31, 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. and b.

19

**Big Rivers issued no oral coal supply solicitations during the
period from May 1, 2013, through October 31, 2013.**

20

21

22

23

Witness) Mark W. McAdams

24

BIG RIVERS ELECTRIC CORPORATION

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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.**

19 **(1) Not Applicable.**

20 **(2) Not Applicable.**

21

22

23

24

BIG RIVERS ELECTRIC CORPORATION

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1

2 **Witnesses)**

3 a. Wayne O'Bryan

4 b.(1) Nicholas R. Castlen

5 b.(2) Wayne O'Bryan

1

2



BIG RIVERS ELECTRIC CORPORATION

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February 28, 2014

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 has made no changes during the period May 1, 2013,
6 through October 31, 2013, to its methodology for calculating intersystem sales line
7 losses.

8

9

10 **Witness)** Wayne O'Bryan

11

BIG RIVERS ELECTRIC CORPORATION

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

8

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

11

12

13 **Witness)** Mark W. McAdams

14

BIG RIVERS ELECTRIC CORPORATION

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1 **Item 24) Provide a detailed discussion of any specific generation**
2 **efficiency improvements Big Rivers has undertaken during the period**
3 **under review.**

4

5 **Response) During the period under review, Big Rivers completed an overhaul of**
6 **the HMP&L Station Two Unit 2 turbine in an attempt to restore some of its**
7 **original design efficiency. As is the normal course of business, Big Rivers retained**
8 **Black & Veatch to assess the turbine cycle efficiency improvement realized by the**
9 **overhaul. The following is an excerpt from the Black & Veatch turbine overhaul**
10 **assessment:**

11

12 *“Actual Net Turbine Heat Rate improved by about 200 Btu/kWh*
13 *according to normal operating data plotted in Figure 4 and as much*
14 *as 380 Btu/kWh according to the valves wide open tests discussed in*
15 *§2.1. Corrected Net Turbine Heat Rate improved by about 200*
16 *Btu/kWh according to the normal operating data in Figure 5 and as*
17 *much as 430 Btu/kWh according to the valves wide open tests. The*
18 *Turbine Heat Rate decrease appears to be driven mostly by the*
19 *improvements in turbine efficiency described below. Using estimates*
20 *for fuel cost, this improvement is worth about \$280,000 to \$600,000*
21 *annually in fuel savings.”*

22

23 The overall net heat rate of the generating fleet during the period was relatively
24 static. The fleet net heat rate for May 2013 was 10,714 Btu/kWh and the fleet net
25 heat rate for October 2013 was 10,722 Btu-kWh. The average net heat rate for big

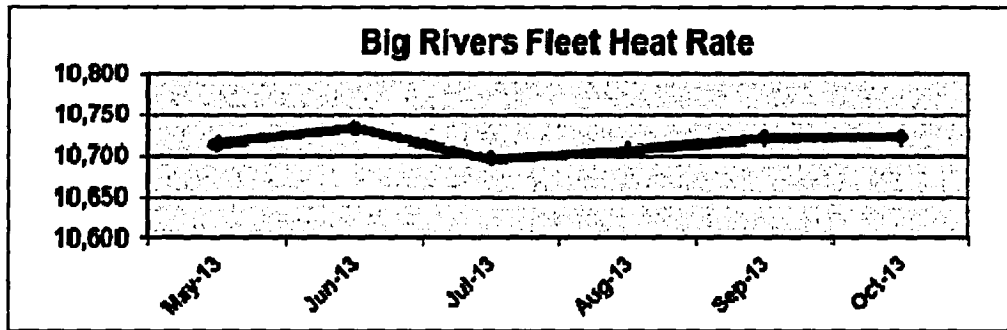
BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION
FROM MAY 1, 2013 THGOURH OCTOBER 31, 2013
CASE NO. 2013-00449**

**Response to Commission Staff's Request for Information
dated February 7, 2014**

February 28, 2014

1 Rivers fleet during the six-month review period was 10,715 Btu/kWh. The net
2 heat rate of Big Rivers' fleet for the period under review is plotted on the graph
3 below.
4



13
14 Witness) Lawrence V. Baronowsky
15

BIG RIVERS ELECTRIC CORPORATION

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1 **Item 25) State whether any Midcontinent Independent System**
2 **Operator, Inc. costs were included in Big Rivers' monthly FAC filings**
3 **during the period under review. If yes, provide the amount of the costs by**
4 **month and by type of cost.**

5

6 **Response) The only Midcontinent Independent System Operator, Inc. ("MISO")**
7 **costs included in Big Rivers' monthly FAC filings during the period under review**
8 **were energy costs associated with power purchased from MISO. MISO charge**
9 **types, for power purchases currently included in Big Rivers' monthly FAC filings,**
10 **include "Day Ahead Asset Energy", "Real Time Asset Energy", "Real Time**
11 **Excessive Energy", and "Real Time Non-Excessive Energy".**

12 **The costs of power purchased from MISO for Domtar back-up energy,**
13 **forced outages, and inter-system sales are subtracted from the total cost of**
14 **purchased power included on page 2 (Fuel Cost Schedule) of Big Rivers' monthly**
15 **Form A Filings in the calculation of recoverable expenses for FAC purposes.**

16 **Please see the attachment to this response for a summary of the**
17 **MISO purchased power costs included in Big Rivers' monthly FAC filings during**
18 **the period under review.**

19

20

21 **Witness) Nicholas R. Castlen**

22

Big Rivers Electric Corporation
MISO Purchased Power Costs Included in Monthly FAC Filings
May 2013 through October 2013

Reason for Purchase:

	Unscheduled Outages < 6 Hours	Available for System	Scheduled Outages	Domtar ¹	Cover Load & Lack of Generation	Derates & Curtailments	Inter-System Sales ²	Unscheduled Outages > 6 Hours ³	Total
May-13	\$ -	\$ 3,040,225	\$ -	\$ 140,801	\$ 403	\$ -	\$ 1,297,744	\$ -	\$ 4,479,173
Jun-13	\$ 29,744	\$ 2,261,727	\$ 7,744	\$ 181,153	\$ 21,103	\$ -	\$ 1,237,289	\$ 54,627	\$ 3,793,387
Jul-13	\$ -	\$ 1,972,091	\$ -	\$ 199,788	\$ -	\$ -	\$ 1,833,886	\$ -	\$ 4,005,765
Aug-13	\$ -	\$ 1,153,089	\$ -	\$ 519,063	\$ -	\$ 81,603	\$ 1,881,874	\$ 267,917	\$ 3,903,546
Sep-13	\$ -	\$ 566,670	\$ -	\$ 969,227	\$ -	\$ -	\$ 833,400	\$ 328,166	\$ 2,697,463
Oct-13	\$ -	\$ 780,693	\$ -	\$ 820,825	\$ 93,105	\$ 24,334	\$ 891,535	\$ 593,075	\$ 3,203,567
Total	\$ 29,744	\$ 9,774,495	\$ 7,744	\$ 2,830,857	\$ 114,611	\$ 105,937	\$ 7,975,728	\$ 1,243,785	\$ 22,082,901

Notes:

The "MISO costs" shown in the table above represent the cost of power purchased from MISO.

¹ The cost of power purchases for Domtar are removed from the calculation of recoverable fuel costs through the "Less Purchases for Domtar back up" amount on page 2, "Fuel Cost Schedule", of the monthly Form A Filings.

² Purchases for Inter-System Sales are removed from the calculation of recoverable fuel costs through the "Inter-System Sales" amount on page 2, "Fuel Cost Schedule", of the monthly Form A Filings.

³ Purchases for Unscheduled Outages > 6 hours are removed from the calculation of recoverable fuel costs through the "Identifiable fuel cost (substitute for Forced Outages" amount on page 2, "Fuel Cost Schedule", of the Form A Filings.



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1 **Item 26) *State the date that the Coleman Station went into System***
2 ***Support Resource status and explain the effects of this status on Big***
3 ***Rivers' FAC.***

4
5 **Response) On December 30, 2013 the Federal Energy Regulatory Commission**
6 **("FERC") accepted the System Support Resource ("SSR") Agreement and Rate**
7 **Schedule 43F, between Big Rivers Electric Corporation ("Big Rivers") and the**
8 **Midcontinent Independent System Operator, Inc. ("MISO"), and suspended them**
9 **for a nominal period, to be effective September 1, 2013, subject to refund and**
10 **further Commission order.¹ Prior to the effective date of the SSR agreement, Big**
11 **Rivers voluntarily continued operating the Coleman station from August 20, 2013,**
12 **(the date that the previous service agreement for the Century Hawesville Smelter**
13 **terminated) through August 31, 2013, pursuant to the electric service**
14 **arrangements ("Century Transactions") between and among Kenergy, Big Rivers,**
15 **and Century Aluminum Company, as approved by the Commission in its Order,**
16 **dated August 14, 2013, in Case No. 2013-00221. Beginning August 20, 2013, and**
17 **through the duration of the Coleman SSR Agreement, all costs, generation, sales,**
18 **and purchases related to the Coleman station are excluded from Big Rivers'**
19 **monthly FAC filings.**

20

21 **Witness) Nicholas R. Castlen**

22

¹ FERC Docket Nos. ER14-292-000 and ER14-294-000.



BIG RIVERS ELECTRIC CORPORATION

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1 **Item 27) Refer to the Form B filed monthly by Big Rivers in support of**
2 **its FAC filings. Explain the reason for the fluctuations in the amount**
3 **calculated for the "Reid Combustion Turbine - Highest Cost Available**
4 **Unit" during the period under review.**

5

6 **Response) For reliability issues, the Midcontinent Independent System**
7 **Operator, Inc. ("MISO") requires Big Rivers to keep the Reid Combustion Turbine**
8 **("CT") Unit in available reserve status and determines when the unit is needed.**
9 **During the period under review, the Reid CT Unit was in service for a total of 54.3**
10 **hours (approximately 9 hours per month on average). Generally, because of the**
11 **fuel (and related costs) required to start the unit, the fuel cost per MWH will**
12 **decrease as the period of time MISO requires the unit to run increases (i.e. higher**
13 **volumes to spread the start-up costs over). Additionally, fluctuations in natural**
14 **gas prices impact the cost per MWH associated with the Reid CT Unit. As a result,**
15 **the cost per MWH could still be higher during a month with higher generation**
16 **volumes if natural gas prices were higher, and vice-versa.**

17 **For additional information, please see the attached table.**

18

19

20 **Witness) Nicholas R. Castlen**

21

Big Rivers Electric Corporation
Case No. 2013-00449
Summary of Reid CT Generation and Fuel Costs
May 2013 to October 2013

<u>Mo/Yr</u>	(B) <u>Net Generation (kWh)</u>	(A) <u>Fuel Cost</u>	[(A) ÷ (B)] x 1,000 <u>CT Actual Cost \$/MWH</u>	<u>Hours in Service</u>
May-13	100,940	\$ 18,434.13	\$ 182.62	9.9
Jun-13	214,440	\$ 23,335.80	\$ 108.82	9.2
Jul-13	138,340	\$ 22,166.70	\$ 160.23	12.9
Aug-13	117,640	\$ 26,298.24	\$ 223.55	11.0
Sep-13	47,150	\$ 11,597.36	\$ 245.97	7.3
Oct-13	38,380	\$ 7,312.93	\$ 190.54	4.0