



**COMMONWEALTH OF KENTUCKY**

**BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY**

**In the Matter of:**

<b>AN ELECTRONIC EXAMINATION OF THE</b>	)	
<b>APPLICATION OF THE FUEL ADJUSTMENT CLAUSE</b>	)	<b>Case No.</b>
<b>OF BIG RIVERS ELECTRIC CORPORATION FROM</b>	)	<b>2024-00149</b>
<b>MAY 1, 2023 THROUGH OCTOBER 31, 2023</b>	)	

**Responses to Commission Staff's First Request for Information  
in Appendix B of the Commission's Order  
dated August 2, 2024**

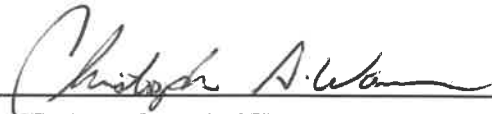
**FILED: August 26, 2024**

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023  
CASE NO. 2024-00149**


**VERIFICATION**

I, Christopher A. Warren, 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.

  
\_\_\_\_\_  
Christopher A. Warren

COMMONWEALTH OF KENTUCKY )  
COUNTY OF DAVIESS )

SUBSCRIBED AND SWORN TO before me by Christopher A. Warren on this  
the 22nd day of August 2024.

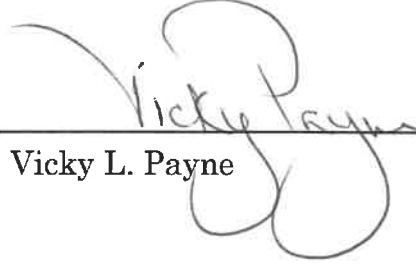
  
\_\_\_\_\_  
Notary Public, Kentucky State at Large  
Kentucky ID Number KYNP16841  
My Commission Expires October 31, 2024

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023  
CASE NO. 2024-00149**

**VERIFICATION**

I, Vicky L. Payne, 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.



Vicky L. Payne

COMMONWEALTH OF KENTUCKY )  
COUNTY OF DAVIESS )

22nd SUBSCRIBED AND SWORN TO before me by Vicky L. Payne on this the  
day of August, 2024.



Notary Public, Kentucky State at Large

Kentucky ID Number

KYNP16841

My Commission Expires

October 31, 2024

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
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CASE NO. 2024-00149**

**VERIFICATION**

I, Terry Wright, Jr., 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.

*Terry Wright Jr*

Terry Wright, Jr.

COMMONWEALTH OF KENTUCKY )  
COUNTY OF DAVIESS )

22nd SUBSCRIBED AND SWORN TO before me by Terry Wright, Jr. on this the  
day of August 2024.

*Kathleen Bailey*

Notary Public, Kentucky State at Large

Kentucky ID Number

KYNP16841

My Commission Expires


October 31, 2024

**BIG RIVERS ELECTRIC CORPORATION**

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ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
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**VERIFICATION**

I, Jeffrey S. Brown, 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.

  
\_\_\_\_\_  
Jeffrey S. Brown

COMMONWEALTH OF KENTUCKY )  
COUNTY OF DAVIESS )

26<sup>th</sup> SUBSCRIBED AND SWORN TO before me by Jeffrey S. Brown on this the  
day of August 2024.

  
\_\_\_\_\_  
Notary Public, Kentucky State at Large  
Kentucky ID Number KYNPI6841  
My Commission Expires October 31, 2024

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
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**dated August 2, 2024**

**August 26, 2024**

- 1 Item 1) *For the period under review, provide the amount of coal*  
2 *purchased in tons and the percentage of purchases that were spot versus*  
3 *contract.*
- 4
- 5 **Response)** Please see the schedules below.

**For the Period from May 1, 2023 through October 31, 2023**

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<b>Purchase Vendor</b>	<b>Fuel Type</b>	<b>Purchase Tonnage</b>	<b>Contract Type</b>
Rhino/ Alliance (BRE-19-003A)	Coal	166,544.42	Contract
ACNR <sup>1</sup> (BRE-20-001A)	Coal	248,661.40	Contract
ACNR (BRE-22-001)	Coal	124,687.24	Contract
Alliance (BRE-22-002)	Coal	97,266.47	Contract
<b>Total Tonnage</b>		<b>637,159.83</b>	

**For the Period from May 1, 2023 through October 31, 2023**

---

Percentage Spot Purchase Tons	0.00%
Percentage Contract Purchase Tons	100.00%
Percentage Total Purchase Tons	<u>100.00 %</u>

6

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<sup>1</sup> ACNR = American Consolidated Natural Resources, Inc.

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**in Appendix B of the Commission's Order**  
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**August 26, 2024**

1

2

3 **Witness)** Vicky L. Payne

4

**BIG RIVERS ELECTRIC CORPORATION**  
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**dated August 2, 2024**

**August 26, 2024**

- 1 **Item 2)**     *For the period under review, list each coal purchase made under*  
2 *a long-term contract (one year or greater). For each purchase, list:*
- 3     *a. Contract or purchase order number;*
  - 4     *b. Supplier's name;*
  - 5     *c. Location(s) of production facilities from which the coal is sourced;*
  - 6     *d. The method of delivery, (i.e., barge, truck, rail. other);*
  - 7     *e. The actual quantity received; and*
  - 8     *f. Price paid per ton.*

9  
10 **Response)** Please see the attached schedule.

11

12

13 **Witness)**     Vicky L. Payne

14



**Big Rivers Electric Corporation**  
**Case No. 2024-00149**  
**Long-Term Fuel Contract Information**

**Rhino Energy LLC / Alliance Coal, LLC**

A. CONTRACT NUMBER:	BRE-19- 003A
B. SUPPLIER'S NAME/ADDRESS:	Alliance Coal, LLC 1717 South Boulder, Suite 400 Tulsa, OK 74119
C. PRODUCTION FACILITY:	River View Mine
D. METHOD OF DELIVERY:	Barge
E. ACTUAL TONNAGE:	May-Oct 2023    -    166,544    Tons
F. PRICE PAID PER TON	May-Oct 2023    -    \$41.67    per Ton

**Big Rivers Electric Corporation**  
**Case No. 2024-00149**  
**Long-Term Fuel Contract Information**

**American Consolidated Natural Resources, Inc. (“ACNR”)**

A. CONTRACT NUMBER:	BRE-20- 001A
B. SUPPLIER’S NAME/ADDRESS:	American Consolidated Natural Resources, 46226 National Road St. Clairsville, OH 43950
C. PRODUCTION FACILITY:	Pride Mine
D. METHOD OF DELIVERY:	Truck
E. ACTUAL TONNAGE:	May-Oct 2023 – 202,368 Tons May-Oct 2023 – 46,293 Tons Option
F. PRICE PAID PER TON	May-Oct 2023 – \$44.15 per Ton May-Oct 2023 – \$44.80 per Ton Option

**Big Rivers Electric Corporation  
Case No. 2024-00149  
Long-Term Fuel Contract Information**

**American Consolidated Natural Resources, Inc. (“ACNR”)**

A. CONTRACT NUMBER:	BRE-22-001
B. SUPPLIER’S NAME/ADDRESS:	American Consolidated Natural Resources, 46226 National Road St. Clairsville, OH 43950
C. PRODUCTION FACILITY:	Pride Mine
D. METHOD OF DELIVERY:	Truck
E. ACTUAL TONNAGE:	May-Oct 2023    –    124,688    Tons
F. PRICE PAID PER TON	May-Oct 2023    –    \$46.25    per Ton

**Big Rivers Electric Corporation**  
**Case No. 2024-00149**  
**Long-Term Fuel Contract Information**

**Alliance Coal, LLC**

A. CONTRACT NUMBER:	BRE-22-002
B. SUPPLIER'S NAME/ADDRESS:	Alliance Coal, LLC 1717 South Boulder, Suite 400 Tulsa, OK 74119
C. PRODUCTION FACILITY:	River View Mine
D. METHOD OF DELIVERY:	Barge
E. ACTUAL TONNAGE:	May-Oct 2023 – 97,267 Tons
F. PRICE PAID PER TON	May-Oct 2023 – \$44.00 per Ton

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**August 26, 2024**

1 **Item 3)      *As of the last day of the review period:***

2       ***a. State the coal inventory level in tons and in number of days' supply.***

3               ***Provide this information by generating station and in the***  
4               ***aggregate.***

5       ***b. Describe the criteria used to determine number of days' supply.***

6       ***c. State the target coal inventory level for each generating station, and***  
7               ***for the total system.***

8       ***d. If actual coal inventory exceeds the target inventory by ten days'***  
9               ***supply, state the reasons for the excess inventory.***

10       ***e. State whether any significant changes in the current coal inventory***  
11               ***target are expected within the next 12 months. If so, state the***  
12               ***expected change and the reasons for this change.***

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**BIG RIVERS ELECTRIC CORPORATION**  
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**August 26, 2024**

1 **Response)**

2       a.     As of April 30, 2023, Big Rivers' generating stations individually, and in  
3 the aggregate, had the inventory levels and days' supply shown in the table below.

<b>Location</b>	<b>Inventory Level (Tons)<sup>1</sup></b>	<b>Number of Days' Supply <sup>2</sup></b>	<b>Duration (In Days)</b>	<b>Preceding 6 Months Burn (In Tons)</b>
<b>Wilson Station</b>	803,873.34	214	170	637,781.24

4

5       b.     Number of Days' Supply =

$$\frac{\text{Current Inventory (Tons)}}{\text{Preceding 6 Months Burn (Tons)}} \times \text{Duration (In Days)}$$

6

7

8

**Footnotes to table in sub-part a. above -**

1.- Wilson Station did not have any pet coke inventory in review period.

2.- Number of days' supply is rounded to reflect whole days.

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1           c.       Big Rivers Electric Corporation's Target Supply is the following range  
2 for each Station in days based on the projected annual fuel burn:

<b>Big Rivers Electric Corporation</b>	
<b>Coal Inventory Target Ranges</b>	
<hr/>	
Wilson	30 – 60 Days

3

4           d.       Actual coal inventory did exceed the target inventory by ten days' supply  
5 during the period under review. Big Rivers nominated maximum tonnage on all  
6 contracts to utilize full advantage of the lower pricing contracts while market prices  
7 continue to be much higher.

8           (1)       No significant changes expected in the current coal inventory targets  
9                        expected within the next 12 months.

10          (2)       Not Applicable.

11

12

13 **Witness)**   Vicky L. Payne

14

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1 **Item 4)**     *List each written coal supply solicitation issued during the*  
2 *period under review.*

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

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

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**August 26, 2024**

1 **Response)**

2 a. and b.

3 There were no written coal supply solicitations issued during the period under  
4 review, *i.e.*, May 1, 2023 through October 31, 2023.

5

6

7 **Witness)** Vicky L. Payne

8

**BIG RIVERS ELECTRIC CORPORATION**  
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**August 26, 2024**

1 **Item 5)**     *List each oral coal supply solicitation issued during the period*  
2 *under review.*

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

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

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**BIG RIVERS ELECTRIC CORPORATION**  
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**August 26, 2024**

1 **Response)**

2       a. and b.

3           There were no oral coal supply solicitations issued during the period under  
4           review, *i.e.*, May 1, 2023 through October 31, 2023.

5

6

7 **Witness)**   Vicky L. Payne

8

**BIG RIVERS ELECTRIC CORPORATION**  
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**August 26, 2024**

1 **Item 6)**     *For the period under review, list each vendor from whom natural*  
2 *gas was purchased for generation and the quantities and the nature of each*  
3 *purchase (i.e., spot or contract).*

4

5 **Response)** Please see the listing on the following page for vendors from whom  
6 natural gas was purchased for generation and the quantity and nature of each  
7 purchase from May 1, 2023 through October 31, 2023.

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

15

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**BIG RIVERS ELECTRIC CORPORATION**  
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1

<b>For the Period from May 1, 2023 through October 31, 2023</b>			
<b>Purchase Vendor</b>	<b>Fuel Type</b>	<b>MMBtu</b>	<b>Contract Type</b>
CIMA Energy, LTD	Natural Gas	567,662	Spot
NRG Business Marketing, LLC	Natural Gas	191,362	Spot
Eco-Energy Natural Gas	Natural Gas	404,011	Spot
Tenaska Marketing Ventures	Natural Gas	854,618	Spot
		<u>2,017,653</u>	

2

3

4 **Witness)** Vicky L. Payne

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**BIG RIVERS ELECTRIC CORPORATION**  
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1 **Item 7)**     *For the period under review, state whether there were any*  
2 *instances in which a natural gas generating unit could not be operated when*  
3 *it otherwise would have run due to pipeline constraints or natural gas being*  
4 *unavailable.*

5

6 **Response)** Big Rivers' gas generating units could not be operated October 1 – 5,  
7 2023. Boardwalk Pipelines (Texas Gas Transportation) had a station outage,  
8 therefore causing the gas units to be placed in outage during this time.

9

10

11 **Witness)**     Vicky L. Payne

12

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**August 26, 2024**

1 **Item 8)**      *State whether there have been any changes to hedging activities*  
2 *for coal or natural gas purchases used for generation since the previous FAC*  
3 *review proceeding. If so, describe the changes in detail.*

4

5 **Response)** Big Rivers does not engage in financial hedging activities regarding its  
6 coal or natural gas purchases used for generation. Big Rivers does, however, stagger  
7 its purchases of coal to create a natural hedge on price volatility pursuant to Policy  
8 No. 111 – Hedge Policy. There have been no changes to these hedging activities since  
9 the previous FAC review.

10

11

12 **Witness)**      Vicky L. Payne

13

**BIG RIVERS ELECTRIC CORPORATION**  
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**August 26, 2024**

- 1 **Item 9)**      *State whether BREC has audited any of its fuel or transportation*  
2 *contracts during the period under review. If so, for each audited contract:*
- 3      *a. Identify the contract;*  
4      *b. Identify the auditor;*  
5      *c. State the results of the audit; and*  
6      *d. Describe the actions that BREC took as a result of the audit.*

7  
8 **Response)**

9      (a) - (d) Big Rivers fuels and energy services department personnel  
10      participated in a mine tour at River View Mine (coal supply source for BRE-  
11      19-003 and BRE-22-002) on August 23, 2023. No operational issues to report  
12      and no further actions needed. Big Rives has not audited any of its  
13      transportation contracts during the period under review.

14

15

16 **Witness)**      Vicky L. Payne



**BIG RIVERS ELECTRIC CORPORATION**  
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**August 26, 2024**

1 **Item 10)**     *State whether BREC is currently involved in any litigation with*  
2 *its current or former fuel suppliers or transportation vendors.*

3         **a.**     *If so, for each litigation:*

4                 **(1)**   *Identify the supplier or vendor;*

5                 **(2)**   *Identify the contract involved;*

6                 **(3)**   *State the potential liability or recovery to BREC;*

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

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

13         **b.**     *Identify and provide the current status of all litigation with*  
14                 *suppliers or vendors.*

15

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1 **Response)** Big Rivers, along with other Commission-regulated utilities, intervened  
2 in Civil Action No. 3:21-cv-0016-GVT, *Foresight Coal Sales, LLC v. Kent Chandler, et*  
3 *al.*, for the limited purpose of seeking an order protecting from disclosure information  
4 that the utilities have filed with the Commission about coal bids submitted to the  
5 utilities and the utilities' evaluation of those bids. Otherwise, Big Rivers is not  
6 currently involved in any litigation with its current or former fuel suppliers or  
7 transportation vendors.

8 a. (1) – (5)

9 Not applicable.

10 b.

11 Not applicable.

12

13 **Witness)** Vicky L. Payne

14

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in the Appendix of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 Item 11) *For the period under review, state whether there have been any*  
2 *changes to BREC's written policies and procedures regarding its fuel*  
3 *procurement.*

4 a. *If yes:*

5 (1) *Describe the changes;*

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

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

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

9 b. *If no, provide the date BREC's current fuel procurement policies*  
10 *and procedures were last changed, provide the date when they*  
11 *were last provided to the Commission, and identify the*  
12 *proceeding in which they were provided. If any current fuel*  
13 *procurement policies and procedures have not been provided to*  
14 *the Commission, provide those fuel procurement policies and*  
15 *procedures and explain why they were not previously provided.*

16

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**August 26, 2024**

1  
2 **Response)**

3       a.       During the review period (ie November 1, 2022 – April 30, 2023) there  
4 were no changes to the fuel procurement policies and procedures. Three policies have  
5 changed since the end of the review period, including Policy No. 105 – Energy Related  
6 Transaction Authority; Appendix to Policy No. 5 – Energy Related Transaction  
7 Authority; and Policy No. 122 – Energy Related Transaction Credit Policy. Copies of  
8 these policies were attached to Big Rivers' Response to Request No. 1 of the  
9 Commission Staff's First Request for Information in Case No. 2024-00149, as noted  
10 in the below table in sub-part (b).

11       b.       In the following table, Big Rivers lists these other written policies and  
12 procedures regarding fuel procurement, the date of their last changes, and the  
13 proceedings in which Big Rivers provided them to the Commission.

14

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**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
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**August 26, 2024**

1

<b>Big Rivers Electric Corporation Policies and Procedures for Fuel Procurement</b>				
<b>Number</b>	<b>Name</b>	<b>Date Last Change</b>	<b>Provided In</b>	<b>Date Provided</b>
105	Energy Related Transaction Authority Policy	2024-02-16	Case No. 2024-00141	2024-08-26
105 Appendix A		2023-11-29	Case No. 2024-00141	2024-08-26
111	Hedge Policy	2021-12-17	Case No. 2022-00268	2022-09-30
120	Fuel Procurement and Procedures	2022-08-04	Case No. 2023-00013	2023-09-22
121	Solid Fuel Inventory	2022-08-18	Case No. 2023-00013	2023-09-22
122	Energy-Related Transaction Credit Policy	2024-02-16	Case No. 2024-00141	2024-08-26

2

3

4 **Witness)** Vicky L. Payne

5

**BIG RIVERS ELECTRIC CORPORATION**  
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**August 26, 2024**

1 **Item 12)**     *For the period under review, list all firm power commitments for*  
2 *(a) purchases and (b) sales. This list shall identify the electric utility, the*  
3 *amount of commitment in megawatts, and the purpose of the commitment*  
4 *(i.e., peaking, emergency).*

5

6 **Response)**

7 (a)     Purchases:

8             Big Rivers has a contract with Southeastern Power Administration ("SEPA")  
9 to purchase up to 178 MWs of energy. This volume fluctuates on a weekly basis based  
10 on hydrological conditions.

11             Additional purchases are shown on the table below.

12

**BIG RIVERS ELECTRIC CORPORATION**

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APPLICATION OF THE FUEL ADJUSTMENT CLAUSE  
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FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023  
CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information  
in the Appendix of the Commission's Order  
dated August 2, 2024**

**August 26, 2024**

1 (a) Purchases: (continued)

<b>Big Rivers Electric Corporation Power Purchases May 1, 2023 through October 31, 2023</b>						
<b>Date</b>	<b>Electric Utility</b>	<b>MW</b>	<b>Block</b>	<b>Total MWh</b>	<b>ISO</b>	<b>Purpose</b>
May-Oct 2023		100	7x24	441,600	MISO	Hedge Off-System Sales and BREC Load
May 2023		50	7x24	37,200	MISO	Hedge Off-System Sales
Oct 2023		100	7x24	74,400	MISO	Hedge BREC Load
May-Oct 2023		30	Peak	61,920	SPP	Hedging Nebraska Load
May-Sep 2023		5	Peak	8,560	SPP	Hedging Nebraska Load
Jun-Sep 2023		5	Peak	6,800	SPP	Hedging Nebraska Load
Jun 2023		5	Peak	1,760	SPP	Hedging Nebraska Load
Sep 2023		5	Peak	1,600	SPP	Hedging Nebraska Load
May-Oct 2023		25	Off-Peak	58,800	SPP	Hedging Nebraska Load
Jun-Sep 2023		5	Off-Peak	7,840	SPP	Hedging Nebraska Load
Jun 2023		5	Off-Peak	1,840	SPP	Hedging Nebraska Load
Aug 2023		5	Off-Peak	1,880	SPP	Hedging Nebraska Load

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**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

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**dated August 2, 2024**

**August 26, 2024**

<b>Date</b>	<b>Electric Utility</b>	<b>MW</b>	<b>Block</b>	<b>Total MWh</b>	<b>ISO</b>	<b>Purpose</b>
Sep 2023		5	Off-Peak	2,000	SPP	Hedging Nebraska Load

1

2 (b) Sales:

3 Big Rivers has a contract to provide up to 100 MWs to the Kentucky Municipal  
4 Energy Agency (“KYMEA”). KYMEA uses this as a baseload resource.

5 Big Rivers has a second contract to KYMEA for up to 100 MWs. KYMEA uses  
6 this agreement for economic energy, when the contract price is below the cost of  
7 their other resources.

8 On June 1, 2020, Owensboro Municipal Utilities (“OMU”) began taking energy  
9 from Big Rivers under a 6.5-year contract in which Big Rivers supplies full  
10 requirements service, net of OMU’s SEPA allocation of capacity and energy. The  
11 price is contractually specified.



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**August 26, 2024**

1 (b) Sales: (continued)

2 Big Rivers has contracts with three public power entities in Nebraska with  
3 about 90 MWs of load to provide partial requirements service, balancing what  
4 they receive from their incumbent supplier, Western Area Power Administration,  
5 and a wind farm with their load. Any purchases to hedge this transaction shown  
6 in sub-part (a) do not pass through Big Rivers' FAC.

7 No additional forward sales were transacted for the period under review.

8

9 **Witness)** Terry Wright, Jr.

10

**BIG RIVERS ELECTRIC CORPORATION**  
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**August 26, 2024**

1 **Item 13)** *Provide a monthly billing summary of sales to all electric*  
2 *utilities for the period under review.*

3

4 **Response)** Please see the attached monthly billing summaries for sales to all  
5 electric utilities for the period May 1, 2023 through October 31, 2023.

6

7

8 **Witness)** Christopher A. ("Chris") Warren

9

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - May 2023**

	KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1 Member Billing May 2023					
2					
3 JP RURALS	107,584	44,812,865	1,485,197.12	\$ 2,016,578.93	\$ 3,501,776.05
4 KENERGY	184,679	78,190,954	2,549,493.60	3,518,592.93	6,068,086.53
5 MEADE CO. RURALS	63,869	30,327,456	881,711.55	1,364,735.52	2,246,447.07
6					
7 <b>TOTAL RURALS</b>	<b>356,132</b>	<b>153,331,275</b>	<b>\$ 4,916,402.27</b>	<b>\$ 6,899,907.38</b>	<b>\$ 11,816,309.65</b>
8					
	4,801	2,366,031	51,442.72	\$ 90,027.48	\$ 141,470.20
	1,719	508,604	18,419.09	19,352.38	37,771.47
	2,040	990,250	21,858.60	37,679.01	59,537.61
	40,800	20,258,413	437,172.00	770,832.61	1,208,004.61
	35,000	14,348,296	375,025.00	545,952.66	920,977.66
	31	1,657	332.17	63.05	395.22
	0	0	-	-	-
	33,384	10,327,256	357,709.56	392,952.09	750,661.65
	150	15,011	1,607.25	571.17	2,178.42
	180	13,390	1,928.70	509.49	2,438.19
	2,500	298,656	26,787.50	11,363.86	38,151.36
	747	148,563	8,004.11	5,652.82	13,656.93
	3,644	1,919,641	39,045.46	73,042.34	112,087.80
	7,893	4,806,938	84,573.50	182,903.99	267,477.49
	12,059	6,159,689	129,212.19	234,376.17	363,588.36
24					
25 <b>Sub-Total Kenergy Industrials</b>	<b>144,948</b>	<b>62,162,395</b>	<b>\$ 1,553,117.85</b>	<b>\$ 2,365,279.12</b>	<b>\$ 3,918,396.97</b>
26					
	3,128	1,703,784	33,516.52	64,828.98	98,345.50
	5,500	4,092,000	58,932.50	155,700.60	214,633.10
	107,427	25,419,706	392,645.68	759,672.64	1,152,318.32
31 <b>TOTAL INDUSTRIALS</b>	<b>261,003</b>	<b>93,377,885</b>	<b>2,038,212.55</b>	<b>3,345,481.34</b>	<b>5,383,693.89</b>
32					
	22,500	16,632,156	178,027.73	483,549.73	661,577.46
	0	1,872,056	(53,200.00)	74,879.74	21,679.74
35					
36 <b>Sub-Total CoGEN/MARKET</b>	<b>22,500</b>	<b>18,504,212</b>	<b>124,827.73</b>	<b>558,429.47</b>	<b>683,257.20</b>
37					
38					
39 <b>GRAND TOTAL</b>	<b>639,635</b>	<b>265,213,372</b>	<b>\$ 7,079,442.55</b>	<b>\$ 10,803,818.19</b>	<b>\$ 17,883,260.74</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members - May 2023**

	Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	Member Billing May 2023				
2					
3	\$ 6.00	\$ -	\$ -	\$ 227,111.60	\$ 251,367.53
4	-	-	-	396,271.75	435,958.62
5	-	-	-	153,699.55	162,357.12
6					
7	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 777,082.90</b>	<b>\$ 849,683.27</b>
8					
	\$ -			\$ 11,991.05	\$ 10,542.38
	-	225.01		2,577.61	2,728.93
	-			5,018.59	4,432.92
	-			102,669.64	90,059.04
	-			72,717.16	67,896.32
	-	96.44		8.40	26.00
	-			-	-
	-			52,338.53	54,387.09
	-		31.21	76.08	147.41
	-			67.86	162.61
	-		777.08	1,513.59	2,606.49
	-			752.92	962.07
	-			9,728.74	8,384.18
	-			24,361.56	20,164.89
	-			31,217.30	27,149.60
24					
25	<b>\$ -</b>	<b>\$ 321.45</b>	<b>\$ 808.29</b>	<b>\$ 315,039.03</b>	<b>\$ 289,649.93</b>
26					
	-	-	-	8,634.78	7,369.84
			(53,039.25)	20,738.26	13,010.37
30					
31	<b>0.00</b>	<b>321.45</b>	<b>(52,230.96)</b>	<b>344,412.07</b>	<b>310,030.14</b>
32					
	-		17,183.31	-	-
	-		150.00	8,777.07	2,579.35
35					
36	<b>-</b>	<b>-</b>	<b>17,333.31</b>	<b>8,777.07</b>	<b>2,579.35</b>
37					
38					
39	<b>\$ 6.00</b>	<b>\$ 321.45</b>	<b>\$ (34,897.65)</b>	<b>\$ 1,130,272.04</b>	<b>\$ 1,162,292.76</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - May 2023**

1	Member Billing May 2023	Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
2					
3	JP RURALS	\$ 269,728.63	\$ 4,249,989.81	\$ (224,079.41)	\$ 4,025,910.40
4	KENERGY	470,631.35	7,370,948.25	(390,981.08)	6,979,967.17
5	MEADE CO. RURALS	182,540.96	2,745,044.70	(151,647.48)	2,593,397.22
6					
7	<b>TOTAL RURALS</b>	<b>\$ 922,900.94</b>	<b>\$ 14,365,982.76</b>	<b>\$ (766,707.97)</b>	<b>\$ 13,599,274.79</b>
8					
		\$ 14,241.14	\$ 178,244.77	\$ (7,528.89)	\$ 170,715.88
		3,061.29	46,364.31	(1,618.41)	44,745.90
		5,960.31	74,949.43	(3,151.05)	71,798.38
		121,935.39	1,522,668.68	(64,463.83)	1,458,204.85
		86,362.39	1,147,953.53	(45,657.38)	1,102,296.15
		9.97	536.03	(5.27)	530.76
		-	-	-	-
		62,159.75	919,547.02	(38,819.15)	880,727.87
		90.35	2,523.47	(47.77)	2,475.70
		80.59	2,749.25	(42.61)	2,706.64
		1,797.61	44,846.13	(950.35)	43,895.78
		894.20	16,266.12	(472.74)	15,793.38
		11,554.32	141,755.04	(6,108.45)	135,646.59
		28,932.96	340,936.90	(15,296.05)	325,640.85
		37,075.17	459,030.43	(19,600.61)	439,429.82
24					
25	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 374,155.44</b>	<b>\$ 4,898,371.11</b>	<b>\$ (203,762.56)</b>	<b>\$ 4,694,608.55</b>
26					
		10,255.08	124,605.20	(5,421.57)	119,183.63
		24,629.75	219,972.23	-	219,972.23
			1,152,318.32		1,152,318.32
30					
31	<b>TOTAL INDUSTRIALS</b>	<b>409,040.27</b>	<b>6,395,266.86</b>	<b>(209,184.13)</b>	<b>6,186,082.73</b>
32					
		-	678,760.77	-	678,760.77
		10,424.07	43,610.23	-	43,610.23
35					
36	<b>Sub-Total CoGEN/MARKET</b>	<b>10,424.07</b>	<b>722,371.00</b>	<b>-</b>	<b>722,371.00</b>
37					
38					
39	<b>GRAND TOTAL</b>	<b>\$ 1,342,365.28</b>	<b>\$ 21,483,620.62</b>	<b>\$ (975,892.10)</b>	<b>\$ 20,507,728.52</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - June 2023**

	KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)	
1	<b>Member Billing June 2023</b>					
2						
3	JP RURALS	115,378	54,568,428	1,592,793.29	\$ 2,455,579.26	\$ 4,048,372.55
4	KENERGY	201,103	91,950,885	2,776,226.91	4,137,789.83	6,914,016.74
5	MEADE CO. RURALS	74,897	34,014,597	1,033,953.08	1,530,656.87	2,564,609.95
6						
7	<b>TOTAL RURALS</b>	<b>391,378</b>	<b>180,533,910</b>	<b>\$ 5,402,973.28</b>	<b>\$ 8,124,025.96</b>	<b>\$ 13,526,999.24</b>
8						
		4,778	2,175,406	51,196.27	\$ 82,774.20	\$ 133,970.47
		1,631	449,706	17,476.17	17,111.31	34,587.48
		2,191	1,038,859	23,476.56	39,528.58	63,005.14
		40,800	20,069,047	437,172.00	763,627.24	1,200,799.24
		35,000	15,632,057	375,025.00	594,799.77	969,824.77
		0	0	-	-	-
		0	0	-	-	-
		33,311	12,418,569	303,347.36	472,526.55	775,873.91
		150	11,297	1,607.25	429.85	2,037.10
		180	6,032	1,928.70	229.52	2,158.22
		2,500	210,594	26,787.50	8,013.10	34,800.60
		772	150,844	8,271.98	5,739.61	14,011.59
		3,538	1,986,010	37,909.67	75,567.68	113,477.35
		7,772	4,677,437	83,276.98	177,976.48	261,253.46
		12,487	6,655,582	133,798.20	253,244.90	387,043.10
24						
25	<b>Sub-Total Kenergy Industrials</b>	<b>145,110</b>	<b>65,481,440</b>	<b>\$ 1,501,273.64</b>	<b>\$ 2,491,568.79</b>	<b>\$ 3,992,842.43</b>
26						
		3,267	1,648,668	35,005.90	62,731.82	97,737.72
		5,500	3,960,000	58,932.50	150,678.00	209,610.50
		124,079	28,651,813	453,508.74	857,158.01	1,310,666.75
30						
31	<b>TOTAL INDUSTRIALS</b>	<b>277,956</b>	<b>99,741,921</b>	<b>2,048,720.78</b>	<b>3,562,136.62</b>	<b>5,610,857.40</b>
32						
		22,500	16,003,854	7,440.00	467,760.80	475,200.80
		0	73,431	-	4,941.45	4,941.45
35						
36	<b>Sub-Total CoGEN/MARKET</b>	<b>22,500</b>	<b>16,077,285</b>	<b>7,440.00</b>	<b>472,702.25</b>	<b>480,142.25</b>
37						
38						
39	<b>GRAND TOTAL</b>	<b>691,834</b>	<b>296,353,116</b>	<b>\$ 7,459,134.06</b>	<b>\$ 12,158,864.83</b>	<b>\$ 19,617,998.89</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members - June 2023**

1	2	Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
3	Member Billing June 2023					
4	JP RURALS	\$ 6.00	\$ -	\$ -	\$ 333,576.80	\$ 384,579.07
5	KENERGY	-	-	-	562,095.76	655,571.66
6	MEADE CO. RURALS	-	-	-	207,931.23	243,078.82
7	<b>TOTAL RURALS</b>	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,103,603.79</b>	<b>\$ 1,283,229.55</b>
8						
		\$ -			\$ 13,298.26	\$ 13,092.75
		-	782.19		2,749.05	3,269.33
		-			6,350.55	6,173.04
		-			122,682.08	117,917.60
		-			95,558.76	94,664.85
		-			-	-
		-		150.00	(41,803.97)	56,430.96
		-		31.21	69.06	177.51
		-			36.87	182.18
		-		2,015.93	1,287.36	3,049.88
		-			922.11	1,293.39
		-	1,264.37		12,140.48	11,232.00
		-			28,593.17	25,963.03
		-			40,685.57	38,192.48
24						
25	<b>Sub-Total Kenergy Industrials</b>	<b>\$ -</b>	<b>\$ 2,046.56</b>	<b>\$ 2,197.14</b>	<b>\$ 282,569.35</b>	<b>\$ 371,639.00</b>
26						
		-	-	-	10,078.31	9,612.80
		-		(53,039.25)	24,207.48	16,705.65
30						
31	<b>TOTAL INDUSTRIALS</b>	<b>0.00</b>	<b>2,046.56</b>	<b>(50,842.11)</b>	<b>316,855.14</b>	<b>397,957.45</b>
32						
		-		11,963.49	-	-
		-		(25,443.20)		
35						
36	<b>Sub-Total CoGEN/MARKET</b>	<b>-</b>	<b>-</b>	<b>(13,479.71)</b>	<b>-</b>	<b>-</b>
37						
38						
39	<b>GRAND TOTAL</b>	<b>\$ 6.00</b>	<b>\$ 2,046.56</b>	<b>\$ (64,321.82)</b>	<b>\$ 1,420,458.93</b>	<b>\$ 1,681,187.00</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - June 2023**

1	Member Billing June 2023	Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
2					
3	JP RURALS	\$ 328,447.37	\$ 5,094,981.79	\$ (224,079.41)	\$ 4,870,902.38
4	KENERGY	553,452.38	8,685,136.54	(390,981.08)	8,294,155.46
5	MEADE CO. RURALS	204,733.86	3,220,353.86	(151,647.48)	3,068,706.38
6					
7	<b>TOTAL RURALS</b>	<b>\$ 1,086,633.61</b>	<b>\$ 17,000,472.19</b>	<b>\$ (766,707.97)</b>	<b>\$ 16,233,764.22</b>
8					
		\$ 13,093.77	\$ 173,455.25	\$ (7,528.89)	\$ 165,926.36
		2,706.78	44,094.83	(1,618.41)	42,476.42
		6,252.89	81,781.62	(3,151.05)	78,630.57
		120,795.59	1,562,194.51	(64,463.83)	1,497,730.68
		94,089.35	1,254,137.73	(45,657.38)	1,208,480.35
		-	-	(5.27)	(5.27)
		-	-	-	-
		55,301.82	845,952.72	(38,819.15)	807,133.57
		68.00	2,382.88	(47.77)	2,335.11
		36.31	2,413.58	(42.61)	2,370.97
		1,267.57	42,421.34	(950.35)	41,470.99
		907.93	17,135.02	(472.74)	16,662.28
		11,953.79	150,067.99	(6,108.45)	143,959.54
		28,153.49	343,963.15	(15,296.05)	328,667.10
		40,059.95	505,981.10	(19,600.61)	486,380.49
24					
25	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 374,687.24</b>	<b>\$ 5,025,981.72</b>	<b>\$ (203,762.56)</b>	<b>\$ 4,822,219.16</b>
26					
		9,923.33	127,352.16	(5,421.57)	121,930.59
		23,835.24	221,319.62	-	221,319.62
			1,310,666.75	-	1,310,666.75
31	<b>TOTAL INDUSTRIALS</b>	<b>408,445.81</b>	<b>6,685,320.25</b>	<b>(209,184.13)</b>	<b>6,476,136.12</b>
32					
		-	487,164.29	-	487,164.29
			(20,501.75)	-	(20,501.75)
35					
36	<b>Sub-Total CoGEN/MARKET</b>	<b>-</b>	<b>466,662.54</b>	<b>-</b>	<b>466,662.54</b>
37					
38					
39	<b>GRAND TOTAL</b>	<b>\$ 1,495,079.42</b>	<b>\$ 24,152,454.98</b>	<b>\$ (975,892.10)</b>	<b>\$ 23,176,562.88</b>



**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members - July 2023**

1	Member Billing July 2023	KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
2						
3	JP RURALS	142,329	62,885,389	1,964,851.85	\$ 2,829,842.51	\$ 4,794,694.36
4	KENERGY	251,023	112,560,972	3,465,372.52	5,065,243.74	8,530,616.26
5	MEADE CO. RURALS	96,892	43,455,006	1,337,594.06	1,955,475.27	3,293,069.33
6						
7	<b>TOTAL RURALS</b>	<b>490,244</b>	<b>218,901,367</b>	<b>\$ 6,767,818.43</b>	<b>\$ 9,850,561.52</b>	<b>\$ 16,618,379.95</b>
8						
		4,906	2,165,688	52,567.79	\$ 82,404.43	\$ 134,972.22
		1,620	442,106	17,358.30	16,822.13	34,180.43
		1,999	1,070,625	21,419.29	40,737.28	62,156.57
		40,800	20,552,079	437,172.00	782,006.61	1,219,178.61
		35,000	16,336,715	375,025.00	621,612.01	996,637.01
		0	0	-	-	-
		0	0	-	-	-
		33,965	12,212,464	310,354.98	464,684.26	775,039.24
		150	11,069	1,607.25	421.18	2,028.43
		180	5,972	1,928.70	227.23	2,155.93
		2,500	184,125	26,787.50	7,005.96	33,793.46
		743	133,578	7,961.25	5,082.64	13,043.89
		3,561	1,753,734	38,156.12	66,729.58	104,885.70
		7,817	4,576,313	83,759.16	174,128.71	257,887.87
		13,459	6,634,532	144,213.19	252,443.94	396,657.13
24						
25	<b>Sub-Total Kenergy Industrials</b>	<b>146,700</b>	<b>66,079,000</b>	<b>\$ 1,518,310.53</b>	<b>\$ 2,514,305.96</b>	<b>\$ 4,032,616.49</b>
26						
		3,012	1,650,306	32,273.58	62,794.14	95,067.72
		5,500	4,092,000	58,932.50	155,700.60	214,633.10
		127,668	35,492,618	466,626.54	1,042,814.78	1,509,441.32
30						
31	<b>TOTAL INDUSTRIALS</b>	<b>282,880</b>	<b>107,313,924</b>	<b>2,076,143.15</b>	<b>3,775,615.48</b>	<b>5,851,758.63</b>
32						
		22,500	16,534,992	7,688.00	553,147.53	560,835.53
		0	143,286	-	12,501.22	12,501.22
35						
36	<b>Sub-Total CoGEN/MARKET</b>	<b>22,500</b>	<b>16,678,278</b>	<b>7,688.00</b>	<b>565,648.75</b>	<b>573,336.75</b>
37						
38						
39	<b>GRAND TOTAL</b>	<b>795,624</b>	<b>342,893,569</b>	<b>\$ 8,851,649.58</b>	<b>\$ 14,191,825.75</b>	<b>\$ 23,043,475.33</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members - July 2023**

	Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1 Member Billing July 2023					
2					
3 JP RURALS	\$ 6.00	\$ -	\$ -	\$ 566,974.67	\$ 427,134.89
4 KENERGY	-	-	-	1,014,849.72	760,706.16
5 MEADE CO. RURALS	-	-	-	391,790.33	293,658.53
6					
7 TOTAL RURALS	\$ 6.00	\$ -	\$ -	\$ 1,973,614.72	\$ 1,481,499.58
8					
	\$ -			\$ 19,525.84	\$ 12,466.40
	-			3,986.03	3,038.03
	-			9,652.76	5,822.95
	-			185,297.54	113,714.04
	-			147,291.82	92,438.34
	-			-	-
	-			-	-
	-		150.00	110,107.58	72,276.21
	-		32.04	99.80	163.32
	-			53.84	167.11
	-		3,466.43	1,660.07	2,720.62
	-			1,204.34	1,120.06
	-	289.31		15,811.67	9,766.73
	-			41,260.04	24,309.68
	-			59,816.94	36,938.39
25 Sub-Total Kenergy Industrials	\$ -	\$ 289.31	\$ 3,648.47	\$ 595,768.27	\$ 374,941.88
26					
	-	-	-	14,879.16	8,920.45
			(53,039.25)	36,893.47	16,602.47
30					
31 TOTAL INDUSTRIALS	0.00	289.31	(49,390.78)	647,540.90	400,464.80
32					
	-		11,422.43	-	-
	-				
35					
36 Sub-Total CoGEN/MARKET	-	-	11,422.43	-	-
37					
38					
39 GRAND TOTAL	\$ 6.00	\$ 289.31	\$ (37,968.35)	\$ 2,621,155.62	\$ 1,881,964.38

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - July 2023**

1	Member Billing July 2023	Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
2					
3	JP RURALS	\$ 378,507.16	\$ 6,167,317.08	\$ (224,079.41)	\$ 5,943,237.67
4	KENERGY	677,504.49	10,983,676.63	(390,981.08)	10,592,695.55
5	MEADE CO. RURALS	261,555.68	4,240,073.87	(151,647.48)	4,088,426.39
6					
7	<b>TOTAL RURALS</b>	<b>\$ 1,317,567.33</b>	<b>\$ 21,391,067.58</b>	<b>\$ (766,707.97)</b>	<b>\$ 20,624,359.61</b>
8					
		\$ 13,035.28	\$ 179,999.74	\$ (7,528.89)	\$ 172,470.85
		2,661.04	43,865.53	(1,618.41)	42,247.12
		6,444.09	84,076.37	(3,151.05)	80,925.32
		123,702.96	1,641,893.15	(64,463.83)	1,577,429.32
		98,330.69	1,334,697.86	(45,657.38)	1,289,040.48
		-	-	(5.27)	(5.27)
		-	-	-	-
		73,506.82	1,031,079.85	(38,819.15)	992,260.70
		66.62	2,390.21	(47.77)	2,342.44
		35.95	2,412.83	(42.61)	2,370.22
		1,108.25	42,748.83	(950.35)	41,798.48
		804.01	16,172.30	(472.74)	15,699.56
		10,555.72	141,309.13	(6,108.45)	135,200.68
		27,544.83	351,002.42	(15,296.05)	335,706.37
		39,933.25	533,345.71	(19,600.61)	513,745.10
24					
25	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 397,729.51</b>	<b>\$ 5,404,993.93</b>	<b>\$ (203,762.56)</b>	<b>\$ 5,201,231.37</b>
26					
		9,933.19	128,800.52	(5,421.57)	123,378.95
		24,629.75	239,719.54	-	239,719.54
			1,509,441.32		1,509,441.32
30					
31	<b>TOTAL INDUSTRIALS</b>	<b>432,292.45</b>	<b>7,282,955.31</b>	<b>(209,184.13)</b>	<b>7,073,771.18</b>
32					
		-	572,257.96	-	572,257.96
			12,501.22	-	12,501.22
35					
36	<b>Sub-Total CoGEN/MARKET</b>	<b>-</b>	<b>584,759.18</b>	<b>-</b>	<b>584,759.18</b>
37					
38					
39	<b>GRAND TOTAL</b>	<b>\$ 1,749,859.78</b>	<b>\$ 29,258,782.07</b>	<b>\$ (975,892.10)</b>	<b>\$ 28,282,889.97</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - August 2023**

	KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1 Member Billing August 2023					
2					
3 JP RURALS	136,703	60,695,428	1,887,184.92	\$ 2,731,294.26	\$ 4,618,479.18
4 KENERGY	239,013	107,801,610	3,299,574.46	4,851,072.45	8,150,646.91
5 MEADE CO. RURALS	92,551	41,092,992	1,277,666.55	1,849,184.64	3,126,851.19
6					
7 TOTAL RURALS	<b>468,267</b>	<b>209,590,030</b>	<b>\$ 6,464,425.93</b>	<b>\$ 9,431,551.35</b>	<b>\$ 15,895,977.28</b>
8					
	4,899	2,428,969	52,492.78	\$ 92,422.27	\$ 144,915.05
	1,713	501,189	18,354.79	19,070.24	37,425.03
	2,202	1,107,203	23,594.43	42,129.07	65,723.50
	40,800	20,181,023	437,172.00	767,887.93	1,205,059.93
	35,000	16,107,809	375,025.00	612,902.13	987,927.13
	0	0	-	-	-
	0	0	-	-	-
	33,504	12,975,016	305,415.36	493,699.36	799,114.72
	150	14,313	1,607.25	544.61	2,151.86
	180	6,051	1,928.70	230.24	2,158.94
	2,500	163,500	26,787.50	6,221.18	33,008.68
	740	149,375	7,929.10	5,683.72	13,612.82
	2,030	576,080	21,751.45	21,919.84	43,671.29
	3,493	1,838,019	37,427.50	69,936.62	107,364.12
	7,787	4,510,000	83,437.71	171,605.50	255,043.21
	13,446	7,311,219	144,073.89	278,191.88	422,265.77
24					
25 Sub-Total Kenergy Industrials	<b>148,444</b>	<b>67,869,766</b>	<b>\$ 1,536,997.46</b>	<b>\$ 2,582,444.59</b>	<b>\$ 4,119,442.05</b>
26					
	3,629	1,383,526	38,884.74	52,643.16	91,527.90
	5,500	3,113,398	58,932.50	118,464.79	177,397.29
	139,072	35,036,362	508,308.16	1,033,960.66	1,542,268.82
30					
31 TOTAL INDUSTRIALS	<b>296,645</b>	<b>107,403,052</b>	<b>2,143,122.86</b>	<b>3,787,513.20</b>	<b>5,930,636.06</b>
32					
	22,500	12,371,686	7,688.00	374,931.66	382,619.66
	0	132,765	-	11,274.83	11,274.83
36 Sub-Total CoGEN/MARKET	22,500	12,504,451	7,688.00	386,206.49	393,894.49
37					
38					
39 GRAND TOTAL	<b>787,412</b>	<b>329,497,533</b>	<b>\$ 8,615,236.79</b>	<b>\$ 13,605,271.04</b>	<b>\$ 22,220,507.83</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members - August 2023**

	Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	Member Billing August 2023				
2					
3	\$ 6.00	\$ -	\$ -	\$ 462,681.25	\$ 411,172.45
4	-	-	-	821,771.67	726,340.56
5	-	-	-	313,251.88	278,376.63
6					
7	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,597,704.80</b>	<b>\$ 1,415,889.64</b>
8					
	\$ -			\$ 18,516.03	\$ 13,441.64
	-			3,820.56	3,341.50
	-			8,440.21	6,101.96
	-			153,839.94	111,757.77
	-			122,789.83	91,170.81
	-			-	-
	-		150.00	98,908.55	74,552.87
	-		32.04	109.11	177.19
	-			46.13	169.22
	-		745.87	1,246.36	2,660.31
	-			1,138.69	1,181.51
	-			4,391.46	3,890.18
	-			14,011.22	9,998.19
	-			34,379.73	23,898.77
	-			55,733.42	39,407.84
24					
25	\$ -	\$ -	\$ 927.91	\$ 517,371.24	\$ 381,749.76
26					
	-	-	-	10,546.62	8,334.59
			(53,039.25)	23,733.43	12,594.60
30					
31	<b>0.00</b>	<b>0.00</b>	<b>(52,111.34)</b>	<b>551,651.29</b>	<b>402,678.95</b>
32					
	-		10,028.93	-	-
	-				
35					
36	-	-	10,028.93	-	-
37					
38					
39	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ (42,082.41)</b>	<b>\$ 2,149,356.09</b>	<b>\$ 1,818,568.59</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - August 2023**

1	Member Billing August 2023	Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
2					
3	JP RURALS	\$ 365,325.78	\$ 5,857,664.66	\$ (220,257.78)	\$ 5,637,406.88
4	KENERGY	648,857.89	10,347,617.03	(394,247.85)	9,953,369.18
5	MEADE CO. RURALS	247,338.72	3,965,818.42	(152,202.34)	3,813,616.08
6					
7	<b>TOTAL RURALS</b>	<b>\$ 1,261,522.39</b>	<b>\$ 20,171,100.11</b>	<b>\$ (766,707.97)</b>	<b>\$ 19,404,392.14</b>
8					
		\$ 14,619.96	\$ 191,492.68	\$ (6,688.80)	\$ 184,803.88
		3,016.66	47,603.75	(1,365.45)	46,238.30
		6,664.25	86,929.92	(3,306.66)	83,623.26
		121,469.58	1,592,127.22	(63,475.75)	1,528,651.47
		96,952.90	1,298,840.67	(50,456.47)	1,248,384.20
		-	-	-	-
		-	-	-	-
		78,096.62	1,050,822.76	(37,718.59)	1,013,104.17
		86.15	2,556.35	(34.19)	2,522.16
		36.42	2,410.71	(18.44)	2,392.27
		984.11	38,645.33	(568.68)	38,076.65
		899.09	16,832.11	(412.56)	16,419.55
		3,467.43	55,420.36	-	55,420.36
		11,063.04	142,436.57	(5,416.46)	137,020.11
		27,145.69	340,467.40	(14,134.09)	326,333.31
		44,006.23	561,413.26	(20,490.96)	540,922.30
24					
25	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 408,508.13</b>	<b>\$ 5,427,999.09</b>	<b>\$ (204,087.10)</b>	<b>\$ 5,223,911.99</b>
26					
		8,327.45	118,736.56	(5,097.02)	113,639.54
		18,739.54	179,425.61	-	179,425.61
			1,542,268.82	-	1,542,268.82
30					
31	<b>TOTAL INDUSTRIALS</b>	<b>435,575.12</b>	<b>7,268,430.08</b>	<b>(209,184.12)</b>	<b>7,059,245.96</b>
32					
		-	392,648.59	-	392,648.59
			11,274.83	-	11,274.83
35					
36	<b>Sub-Total CoGEN/MARKET</b>	<b>-</b>	<b>403,923.42</b>	<b>-</b>	<b>403,923.42</b>
37					
38					
39	<b>GRAND TOTAL</b>	<b>\$ 1,697,097.51</b>	<b>\$ 27,843,453.61</b>	<b>\$ (975,892.09)</b>	<b>\$ 26,867,561.52</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - September 2023**

	KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1 Member Billing September 2023					
2					
3 JP RURALS	108,048	49,602,273	1,491,602.64	\$ 2,232,102.29	\$ 3,723,704.93
4 KENERGY	204,606	89,088,936	2,824,585.83	4,009,002.12	6,833,587.95
5 MEADE CO. RURALS	77,259	33,217,419	1,066,560.49	1,494,783.85	2,561,344.34
6					
7 TOTAL RURALS	<b>389,913</b>	<b>171,908,628</b>	<b>\$ 5,382,748.96</b>	<b>\$ 7,735,888.26</b>	<b>\$ 13,118,637.22</b>
8					
	4,755	2,085,375	50,949.82	\$ 79,348.52	\$ 130,298.34
	1,620	353,506	17,358.29	13,450.90	30,809.19
	2,291	1,058,953	24,548.07	40,293.16	64,841.23
	40,800	20,463,403	437,172.00	778,632.48	1,215,804.48
	35,000	15,914,148	375,025.00	605,533.33	980,558.33
	0	0	-	-	-
	0	0	-	-	-
	33,323	11,651,226	300,055.95	443,329.15	743,385.10
	150	10,867	1,607.25	413.49	2,020.74
	180	5,927	1,928.70	225.52	2,154.22
	2,500	148,562	26,787.50	5,652.78	32,440.28
	756	129,703	8,100.54	4,935.20	13,035.74
	2,462	635,108	26,380.33	24,165.86	50,546.19
	3,493	1,643,595	37,427.50	62,538.79	99,966.29
	7,530	4,361,062	80,683.95	165,938.41	246,622.36
	12,630	6,891,822	135,330.45	262,233.83	397,564.28
24					
25 Sub-Total Kenergy Industrials	<b>147,490</b>	<b>65,353,257</b>	<b>\$ 1,523,355.35</b>	<b>\$ 2,486,691.42</b>	<b>\$ 4,010,046.77</b>
26					
	4,297	2,371,863	46,042.36	90,249.39	136,291.75
	5,500	3,960,000	58,932.50	150,678.00	209,610.50
	145,863	37,511,319	533,129.27	1,095,986.97	1,629,116.24
30					
31 TOTAL INDUSTRIALS	<b>303,150</b>	<b>109,196,439</b>	<b>2,161,459.48</b>	<b>3,823,605.78</b>	<b>5,985,065.26</b>
32					
	22,500	16,149,995	11,790.00	486,489.68	498,279.68
	0	60,243	-	4,260.89	4,260.89
35					
36 Sub-Total CoGEN/MARKET	22,500	16,210,238	11,790.00	490,750.57	502,540.57
37					
38					
39 GRAND TOTAL	<b>715,563</b>	<b>297,315,305</b>	<b>\$ 7,555,998.44</b>	<b>\$ 12,050,244.61</b>	<b>\$ 19,606,243.05</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - September 2023**

	Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	<b>Member Billing September 2023</b>				
2					
3	\$ 6.00	\$ -	\$ -	\$ 467,600.63	\$ 298,068.93
4	-	-	-	839,841.40	544,940.93
5	-	-	-	313,140.61	204,067.32
6					
7	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,620,582.64</b>	<b>\$ 1,047,077.18</b>
8					
	\$ -			\$ 19,658.83	\$ 10,801.92
	-			3,332.50	2,405.64
	-			9,982.75	5,397.98
	-			192,908.50	101,860.93
	-			150,022.67	81,524.44
	-			-	-
	-		(447.00)	109,836.11	61,336.16
	-		32.04	102.44	144.68
	-			55.87	148.22
	-		647.21	1,400.49	2,295.08
	-			1,222.71	996.72
	-			5,987.16	4,005.40
	-	203.59		15,494.17	8,333.81
	-			41,111.73	20,885.71
	-			64,969.21	33,521.34
24					
25	<b>\$ -</b>	<b>\$ 203.59</b>	<b>\$ 232.25</b>	<b>\$ 616,085.14</b>	<b>\$ 333,658.03</b>
26					
	-	-	-	22,359.55	11,501.50
	-	-	(53,039.25)	37,330.92	14,526.85
30					
31	<b>0.00</b>	<b>203.59</b>	<b>(52,807.00)</b>	<b>675,775.61</b>	<b>359,686.38</b>
32					
	-		14,762.67	-	-
	-				
35					
36	-	-	14,762.67	-	-
37					
38					
39	<b>\$ 6.00</b>	<b>\$ 203.59</b>	<b>\$ (38,044.33)</b>	<b>\$ 2,296,358.25</b>	<b>\$ 1,406,763.56</b>



**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - September 2023**

	Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
1 Member Billing September 2023				
2				
3 JP RURALS	\$ 333,376.88	\$ 4,822,757.37	\$ (222,031.88)	\$ 4,600,725.49
4 KENERGY	598,766.74	8,817,137.02	(394,352.51)	8,422,784.51
5 MEADE CO. RURALS	223,254.27	3,301,806.54	(150,323.58)	3,151,482.96
6				
7 TOTAL RURALS	<b>\$ 1,155,397.89</b>	<b>\$ 16,941,700.93</b>	<b>\$ (766,707.97)</b>	<b>\$ 16,174,992.96</b>
8				
	\$ 14,015.81	\$ 174,774.90	\$ (7,336.86)	\$ 167,438.04
	2,375.91	38,923.24	(1,513.87)	37,409.37
	7,117.22	87,339.18	(3,344.38)	83,994.80
	137,534.53	1,648,108.44	(60,958.11)	1,587,150.33
	106,958.99	1,319,064.43	(48,654.70)	1,270,409.73
	-	-	-	-
	-	-	-	-
	78,307.89	992,418.26	(39,191.89)	953,226.37
	73.04	2,372.94	(43.23)	2,329.71
	39.84	2,398.15	(18.28)	2,379.87
	998.49	37,781.55	(493.86)	37,287.69
	871.73	16,126.90	(451.20)	15,675.70
	4,268.56	64,807.31	(1,740.09)	63,067.22
	11,046.60	135,044.46	(5,551.86)	129,492.60
	29,310.70	337,930.50	(13,622.75)	324,307.75
	46,319.94	542,374.77	(22,084.02)	520,290.75
24				
25 Sub-Total Kenergy Industrials	<b>\$ 439,239.25</b>	<b>\$ 5,399,465.03</b>	<b>\$ (205,005.10)</b>	<b>\$ 5,194,459.93</b>
26				
	15,941.29	186,094.09	(4,179.03)	181,915.06
	26,615.16	235,044.18		235,044.18
		1,629,116.24		1,629,116.24
30				
31 TOTAL INDUSTRIALS	<b>481,795.70</b>	<b>7,449,719.54</b>	<b>(209,184.13)</b>	<b>7,240,535.41</b>
32				
	-	513,042.35	-	513,042.35
		4,260.89	-	4,260.89
35				
36 Sub-Total CoGEN/MARKET	-	517,303.24	-	517,303.24
37				
38				
39 GRAND TOTAL	<b>\$ 1,637,193.59</b>	<b>\$ 24,908,723.71</b>	<b>\$ (975,892.10)</b>	<b>\$ 23,932,831.61</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members - October 2023**

1	Member Billing October 2023	KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
2						
3	JP RURALS	101,686	41,569,796	1,403,775.23	\$ 1,870,640.82	\$ 3,274,416.05
4	KENERGY	177,894	75,994,374	2,455,826.67	3,419,746.83	5,875,573.50
5	MEADE CO. RURALS	68,847	30,042,456	950,432.83	1,351,910.51	2,302,343.34
6						
7	<b>TOTAL RURALS</b>	<b>348,427</b>	<b>147,606,626</b>	<b>\$ 4,810,034.73</b>	<b>\$ 6,642,298.16</b>	<b>\$ 11,452,332.89</b>
8						
		4,634	1,985,689	49,653.31	\$ 75,555.47	\$ 125,208.78
		1,635	507,708	17,519.02	19,318.29	36,837.31
		2,438	1,191,407	26,123.17	45,333.04	71,456.21
		40,800	16,157,719	437,172.00	614,801.21	1,051,973.21
		35,000	16,590,399	375,025.00	631,264.68	1,006,289.68
		0	0	-	-	-
		0	0	-	-	-
		33,437	16,020,216	301,277.46	609,569.22	910,846.68
		150	10,948	1,607.25	416.57	2,023.82
		180	26,728	1,928.70	1,017.00	2,945.70
		2,500	158,844	26,787.50	6,044.01	32,831.51
		720	145,000	7,714.80	5,517.25	13,232.05
		1,892	460,972	20,272.78	17,539.98	37,812.76
		3,667	1,895,479	39,291.91	72,122.98	111,414.89
		7,348	4,320,500	78,733.82	164,395.03	243,128.85
		12,448	6,838,101	133,380.32	260,189.74	393,570.06
24						
25	<b>Sub-Total Kenergy Industrials</b>	<b>146,849</b>	<b>66,309,710</b>	<b>\$ 1,516,487.04</b>	<b>\$ 2,523,084.47</b>	<b>\$ 4,039,571.51</b>
26						
		4,275	2,517,242	45,806.63	95,781.06	141,587.69
		5,500	4,079,483	58,932.50	155,224.33	214,156.83
		148,037	32,626,807	541,075.23	949,572.35	1,490,647.58
30						
31	<b>TOTAL INDUSTRIALS</b>	<b>304,661</b>	<b>105,533,242</b>	<b>2,162,301.40</b>	<b>3,723,662.21</b>	<b>5,885,963.61</b>
32						
		22,500	16,453,387	12,183.00	537,208.79	549,391.79
		0	228,440	-	14,318.38	14,318.38
35						
36	<b>Sub-Total CoGEN/MARKET</b>	<b>22,500</b>	<b>16,681,827</b>	<b>12,183.00</b>	<b>551,527.17</b>	<b>563,710.17</b>
37						
38						
39	<b>GRAND TOTAL</b>	<b>675,588</b>	<b>269,821,695</b>	<b>\$ 6,984,519.13</b>	<b>\$ 10,917,487.54</b>	<b>\$ 17,902,006.67</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members - October 2023**

	Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1 Member Billing October 2023					
2					
3 JP RURALS	\$ 6.00	\$ -	\$ -	\$ 338,461.28	\$ 252,722.74
4 KENERGY	-	-	-	618,746.19	454,835.71
5 MEADE CO. RURALS	-	-	-	244,605.68	178,482.20
6					
7 TOTAL RURALS	\$ 6.00	\$ -	\$ -	\$ 1,201,813.15	\$ 886,040.65
8					
	\$ -			\$ 16,167.48	\$ 10,046.02
	-			4,133.76	2,881.79
	-			9,700.44	5,789.37
	-			131,556.15	83,896.97
	-			135,079.03	81,348.32
	-			-	-
	-			-	-
	-		(253.45)	130,436.60	74,610.72
	-		32.04	89.14	141.97
	-			217.62	217.06
	-		714.15	1,293.31	2,285.02
	-	246.44		1,180.59	999.08
	-			3,753.23	2,900.02
	-			15,432.99	9,063.33
	-			35,177.51	19,955.70
	-			55,675.82	32,153.36
24					
25 Sub-Total Kenergy Industrials	\$ -	\$ 246.44	\$ 492.74	\$ 539,893.67	\$ 326,288.73
	-	-	-	20,495.38	11,622.46
			(53,039.25)	33,215.15	14,398.16
30					
31 TOTAL INDUSTRIALS	0.00	246.44	(52,546.51)	593,604.20	352,309.35
32					
	-		19,021.35	-	-
	-				
35					
36 Sub-Total CoGEN/MARKET	-	-	19,021.35	-	-
37					
38					
39 GRAND TOTAL	\$ 6.00	\$ 246.44	\$ (33,525.16)	\$ 1,795,417.35	\$ 1,238,350.00

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members - October 2023**

1	Member Billing October 2023	Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
2					
3	JP RURALS	\$ 279,390.60	\$ 4,144,996.67	\$ (221,224.83)	\$ 3,923,771.84
4	KENERGY	510,758.19	7,459,913.59	(397,334.32)	7,062,579.27
5	MEADE CO. RURALS	201,915.35	2,927,346.57	(148,148.82)	2,779,197.75
6					
7	<b>TOTAL RURALS</b>	<b>\$ 992,064.14</b>	<b>\$ 14,532,256.83</b>	<b>\$ (766,707.97)</b>	<b>\$ 13,765,548.86</b>
8					
		\$ 13,345.82	\$ 164,768.10	\$ (6,441.15)	\$ 158,326.95
		3,412.31	47,265.17	(1,091.87)	46,173.30
		8,007.45	94,953.47	(3,270.81)	91,682.66
		108,596.03	1,376,022.36	(63,205.78)	1,312,816.58
		111,504.07	1,334,221.10	(49,154.39)	1,285,066.71
		-	-	-	-
		-	-	-	-
		107,671.87	1,223,312.42	(35,987.41)	1,187,325.01
		73.58	2,360.55	(33.57)	2,326.98
		179.64	3,560.02	(18.31)	3,541.71
		1,067.59	38,191.58	(458.87)	37,732.71
		974.55	16,632.71	(400.62)	16,232.09
		3,098.19	47,564.20	(1,961.67)	45,602.53
		12,739.51	148,650.72	(5,076.61)	143,574.11
		29,038.08	327,300.14	(13,470.11)	313,830.03
		45,958.88	527,358.12	(21,286.93)	506,071.19
24					
25	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 445,667.57</b>	<b>\$ 5,352,160.66</b>	<b>\$ (201,858.10)</b>	<b>\$ 5,150,302.56</b>
26					
		16,918.38	190,623.91	(7,326.03)	183,297.88
		27,418.21	236,149.10		236,149.10
			1,490,647.58		1,490,647.58
30					
31	<b>TOTAL INDUSTRIALS</b>	<b>490,004.16</b>	<b>7,269,581.25</b>	<b>(209,184.13)</b>	<b>7,060,397.12</b>
32					
		-	568,413.14	-	568,413.14
			14,318.38	-	14,318.38
35					
36	<b>Sub-Total CoGEN/MARKET</b>	<b>-</b>	<b>582,731.52</b>	<b>-</b>	<b>582,731.52</b>
37					
38					
39	<b>GRAND TOTAL</b>	<b>\$ 1,482,068.30</b>	<b>\$ 22,384,569.60</b>	<b>\$ (975,892.10)</b>	<b>\$ 21,408,677.50</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales - May 2023**

1	May 2023 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - ENERGY		
4		571	\$ 104,070.23
5		8,136	\$ 305,367.21
6	MISO	42,183	\$ 1,594,063.98
7			\$ 125,335.78
8		61,033	\$ 2,447,805.32
9			\$ 139,938.31
10			\$ 116,887.73
11		47,500	\$ 2,638,350.00
12			
13			
14	TOTAL SPECIAL SALES - ENERGY	159,423	\$ 7,471,818.56
15			
16	SPECIAL SALES - BILATERAL		
17			\$ (2,145,510.00)
18	MISO - CONTRA REVENUE		\$ 2,694,627.32
19			
20	TOTAL SPECIAL SALES - BILATERAL		\$ 549,117.32
21			
22			
23			\$ 21,250.00
24			\$ 109,000.00
25	MISO-CAPACITY SALES		\$ (674,200.09)
26			\$ 417,650.00
27			\$ 14,500.00
28			\$ 77,600.00
29			
30	TOTAL SPECIAL SALES - CAPACITY		\$ (34,200.09)
31			
32	TOTAL	159,423	\$ 7,986,735.79

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales - June 2023**

1	June 2023 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - ENERGY		
4		1,344	\$ 50,914.91
5		1,499	\$ 84,378.20
6	MISO	17,104	\$ 489,102.06
7			\$ 212,270.25
8		70,210	\$ 2,653,917.49
9			\$ 209,831.62
10			\$ 150,425.52
11		41,175	\$ 2,421,146.47
12			
13			
14	TOTAL SPECIAL SALES - ENERGY	131,332	\$ 6,271,986.52
15			
16	SPECIAL SALES - BILATERAL		
17			\$ (2,076,300.00)
18	MISO - CONTRA REVENUE		\$ 2,590,528.71
19			
20	TOTAL SPECIAL SALES - BILATERAL		\$ 514,228.71
21			
22	SPECIAL SALES - CAPACITY		
23	MISO - CAPACITY SALES		\$ (8,550.00)
24			\$ 472,120.00
25			
26	TOTAL SPECIAL SALES - CAPACITY		\$ 463,570.00
27			
28	TOTAL	131,332	\$ 7,249,785.23

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales - July 2023**

1	July 2023 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - ENERGY		
4	[REDACTED]	2,833	\$ 93,707.22
5	[REDACTED]	27,483	\$ 1,301,902.68
6	MISO	20,201	\$ 780,024.80
7	[REDACTED]		\$ 179,799.94
8	[REDACTED]	82,766	\$ 3,260,151.79
9	[REDACTED]		\$ 266,083.63
10	[REDACTED]		\$ 181,681.66
11	[REDACTED]	49,300	\$ 2,757,146.00
12			
13			
14	TOTAL SPECIAL SALES - ENERGY	182,583	\$ 8,820,497.72
15			
16	SPECIAL SALES - BILATERAL		
17	[REDACTED]		\$ (2,145,510.00)
18	[REDACTED]		\$ 3,040,013.00
19			
20	TOTAL SPECIAL SALES - BILATERAL		\$ 894,503.00
21			
22	SPECIAL SALES - CAPACITY		
23	MISO - CAPACITY SALES		\$ (8,835.00)
24	[REDACTED]		\$ 472,120.00
25			
26	TOTAL SPECIAL SALES - CAPACITY		\$ 463,285.00
27			
28	TOTAL	182,583	\$ 10,178,285.72

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales - August 2023**

1	August 2023 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - ENERGY		
4	[REDACTED]	760	\$ 32,666.95
5	[REDACTED]	22,582	\$ 977,498.90
6	MISO	32,231	\$ 1,178,461.58
7	[REDACTED]		\$ 163,940.52
8	[REDACTED]	81,389	\$ 3,235,006.79
9	[REDACTED]		\$ 252,060.71
10	[REDACTED]		\$ 157,733.95
11	[REDACTED]	46,000	\$ 2,532,285.04
12			
13			
14	TOTAL SPECIAL SALES - ENERGY	182,962	\$ 8,529,654.44
15			
16	SPECIAL SALES - BILATERAL		
17	[REDACTED]		\$ (2,145,510.00)
18	MISO - CONTRA REVENUE		\$ 2,876,545.76
19			
20	TOTAL SPECIAL SALES - BILATERAL		\$ 731,035.76
21			
22	SPECIAL SALES - CAPACITY		
23	MISO - CAPACITY SALES		\$ (8,835.00)
24	[REDACTED]		\$ 472,120.00
25			
26	TOTAL SPECIAL SALES - CAPACITY		\$ 463,285.00
27			
28	TOTAL	<u>182,962</u>	<u>\$ 9,723,975.20</u>



**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales - September 2023**

1	September 2023 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - ENERGY		
4	[REDACTED]	1,391	\$ 48,513.90
5	[REDACTED]	15,100	\$ 525,583.90
6	[REDACTED]	26,936	\$ 822,750.42
7	[REDACTED]		\$ 403,812.87
8	[REDACTED]	70,558	\$ 2,698,383.07
9	[REDACTED]		\$ 213,911.65
10	[REDACTED]		\$ 133,199.67
11	[REDACTED]	41,225	\$ 2,513,613.20
12			
13			
14	TOTAL SPECIAL SALES - ENERGY	155,210	\$ 7,359,768.68
15			
16	SPECIAL SALES - BILATERAL		
17	[REDACTED]		\$ (2,076,300.00)
18	MISO - CONTRA REVENUE		\$ 2,551,775.47
19			
20	TOTAL SPECIAL SALES - BILATERAL		\$ 475,475.47
21			
22	SPECIAL SALES - CAPACITY		
23	MISO - CAPACITY SALES		\$ 26,685.00
24	[REDACTED]		\$ 472,120.00
25			
26	TOTAL SPECIAL SALES - CAPACITY		\$ 498,805.00
27			
28	TOTAL	<u>155,210</u>	<u>\$ 8,334,049.15</u>

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales - October 2023**

1	October 2023 - Other Sales	MWH	REVENUE
2	<hr/>	<hr/>	<hr/>
3	SPECIAL SALES - ENERGY		
4	[REDACTED]	921	\$ 37,603.02
5	[REDACTED]	24,838	\$ 961,516.85
6	MISO	16,235	\$ 645,348.87
7	[REDACTED]		\$ 320,608.76
8	[REDACTED]	59,373	\$ 2,272,184.42
9	[REDACTED]		\$ 132,508.60
10	[REDACTED]		\$ 104,120.99
11	[REDACTED]	54,000	\$ 2,872,755.50
12			
13		<hr/>	<hr/>
14	TOTAL SPECIAL SALES - ENERGY	155,367	\$ 7,346,647.01
15			
16	SPECIAL SALES - BILATERAL		
17	[REDACTED]		\$ (2,145,510.00)
18	MISO - CONTRA REVENUE		\$ 2,758,758.63
19		<hr/>	<hr/>
20	TOTAL SPECIAL SALES - BILATERAL		\$ 613,248.63
21			
22	SPECIAL SALES - CAPACITY		
23	MISO - CAPACITY SALES		\$ 27,574.50
24	[REDACTED]		\$ 472,120.00
25		<hr/>	<hr/>
26	TOTAL SPECIAL SALES - CAPACITY		\$ 499,694.50
27			
28	TOTAL	<u>155,367</u>	<u>\$ 8,459,590.14</u>

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in the Appendix of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 **Item 14)**     *Describe the effect on the FAC calculation of line losses related*  
2 *to:*

3         *a.     Intersystem sales when using a third-party transmission system;*  
4             *and*

5         *b.     Intersystem sales when not using a third-party transmission*  
6             *system.*

7  
8 **Response)**

9         a.     Big Rivers had no intersystem sales during the period under review  
10 which used a third party transmission system.

11         b.     Line losses related to intersystem sales, which did not use a third-party  
12 transmission system, are included in Big Rivers' total System Losses reported on  
13 page 3 of its monthly Form A filing. Big Rivers calculates an overall system average  
14 fuel cost per kWh each month by dividing (1) the total cost of fuel for generation by  
15 (2) the net kWh generated less total System Losses. The overall system average fuel  
16 cost per kWh (which accounts for total System Losses, including losses related to

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in the Appendix of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 intersystem sales) is multiplied by the total intersystem sales volume to calculate the  
2 cost of fuel allocated to intersystem sales in Big Rivers' FAC calculation.

3

4

5 **Witness)** Christopher A. ("Chris") Warren

6

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in the Appendix of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 **Item 15)** *Provide a list, in chronological order, showing by unit, any*  
2 *scheduled, actual, and forced outages for the period under review.*

3

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

6

7

8 **Witness)** Jeffrey S. ("Jeff") Brown

9

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1 2023, through October 31 2023**

Big Rivers Electric Corporation  
**Reid Station Unit #2 - Combustion Turbine - Oil/Gas - 65MW Net**  
 May 1 2023, through October 31 2023

Schedule vs. Actual

		MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
MONTH	TYPE	Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
May 2023	F			5/12/2023 12:13	5/12/2023 12:46	0:33	0:33	#3 vibration switch	
	S, A	5/14/2023 0:00	5/28/2023 0:00	5/14/2023 0:00	5/27/2023 14:00	336:00	326:00	Gas valve replacement in fuel yard	
June 2023	F			6/2/2023 18:16	6/2/2023 18:54	0:38	0:38	#3 vibration switch	
	F			6/3/2023 14:57	6/3/2023 15:28	0:31	0:31	#3 vibration switch	
July 2023	F			7/11/2023 13:32	7/12/2023 8:40	19:08	19:08	Bad hydraulic dump solenoid	
August 2023	F			8/20/2023 15:18	8/24/2023 13:25	94:07	94:07	Bad hydraulic dump solenoid	
September 2023		No Outages							
October 2023	S, A	10/1/2023 08:00	10/5/2023 20:00	10/1/2023 8:00	10/5/2023 15:50	108:00	103:50	Boardwalk Pipelines station outage	

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1 2023, through October 31 2023**

Big Rivers Electric Corporation  
**Green Station Unit #1 - Natural Gas - 231MW Net**  
 May 1 2023, through October 31 2023

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 2023	S, A	5/14/2023 0:00	5/28/2023 0:00	5/14/2023 0:00	5/27/2023 14:00	336:00		326:00	Gas valve replacement in fuel yard
	F			5/30/2023 6:31	5/30/2023 16:07		9:36	9:36	Gas flow and furnace pressure issue
June 2023		No Outages							
July 2023	F			7/25/2023 4:47	7/25/2023 5:27		0:40	0:40	Stator cooling water circulation issues
	F			7/25/2023 14:49	7/25/2023 15:33		0:44	0:44	Flame scanner issues
August 2023		No Outages							
September 2023	F			9/4/2023 13:33	9/4/2023 14:21		0:48	0:48	Flame scanner issues
	F			9/4/2023 17:28	9/4/2023 18:32		1:04	1:04	Flame scanner issues
October 2023	S, A	10/1/2023 08:00	10/5/2023 20:00	10/1/2023 8:00	10/5/2023 15:50	108:00		103:50	Boardwalk Pipelines station outage

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1 2023, through October 31 2023**

Big Rivers Electric Corporation  
**Green Station Unit #2 - Natural Gas - 223MW Net**  
 May 1 2023, through October 31 2023

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 2023	S, A	4/15/2023 0:00	6/29/2023 0:00	5/1/2023 0:00	6/1/2023 0:00	1800:00		744:00	Cont'd from previous month Major Turbine Overhaul
June 2023	S, A	4/15/2023 0:00	6/29/2023 0:00	6/1/2023 0:00	6/29/2023 23:45	1800:00		695:45	Cont'd from previous month Major Turbine Overhaul
	F			6/29/2023 23:45	7/1/2023 0:00		24:15	24:15	#7 turbine bearing vibration issue
July 2023	F			7/1/2023 00:00	7/5/2023 8:23		104:23	104:23	Cont'd from previous month #7 turbine bearing
	F			7/5/2023 09:40	7/6/2023 11:22		25:42	25:42	Turbine vibration testing
	F			7/25/2023 20:42	7/25/2023 23:06		2:24	2:24	Airflow issue to burners
August 2023		No Outages							
September 2023	F			9/4/2023 17:12	9/5/2023 6:21		13:09	13:09	Tripped on differential expansion
October 2023	S, A	10/1/2023 08:00	10/5/2023 20:00	10/1/2023 8:00	10/5/2023 15:50	108:00		103:50	Boardwalk Pipelines station outage



**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1 2023, through October 31 2023**

Big Rivers Electric Corporation  
**Wilson Station - Unit #1 - Coal/Pet Coke - 417MW Net**  
 May 1 2023, through October 31 2023

Schedule vs. Actual

		MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
MONTH	TYPE	Scheduled		Actual		Scheduled	Forced	Actual	
		FROM	TO	FROM	TO				
May 2023	F			5/26/2023 14:26	5/30/2023 23:36	105:10	105:10	Tube leak in Reheat section	
June 2023	F			6/3/2023 1:21	6/5/2023 15:17	61:56	61:56	Tripped due to indication of boiler pH excursion	
July 2023		No Outages							
August 2023		No Outages							
September 2023	F			9/6/2023 10:30	9/9/2023 3:00	64:30	64:30	Water wall tube leak	
	S, A	9/9/2023 03:00	9/10/2023 3:00	9/9/2023 3:00	9/10/2023 2:21	24:00	23:21	Primary Air Heater wash	
	F			9/10/2023 8:30	9/13/2023 0:40	64:10	64:10	#2 Primary Air Fan issues and boiler chemistry	
	F			9/26/2023 7:58	9/26/2023 21:16	13:18	13:18	Loss of vital equipment to new FGD	
	F			9/27/2023 11:05	9/27/2023 16:04	4:59	4:59	Loss of vital equipment to new FGD	
October 2023		No Outages							

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in the Appendix of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 **Item 16)** *For the period under review, provide the monthly supporting*  
2 *peaking unit equivalent calculations in electronic Excel spreadsheet format*  
3 *with all formulas, columns, and rows unprotected and fully accessible for the*  
4 *forced outage calculations. In addition, provide the corresponding amount, if*  
5 *any, of forced outage purchased power collected through the purchase power*  
6 *adjustment tariff.*

7

8 **Response)** Please see the attached Excel spreadsheet showing on the first sheet the  
9 highest cost fuel unit (\$/MWH) and the calculation of forced outage purchased power  
10 costs recovered through the Non-FAC PPA (\$). In addition the spreadsheet includes  
11 the "FuelBurned" calculation for each month under review, which is included in Big  
12 Rivers' monthly Form B filings. The highest cost fuel unit (\$/MWH) for each month is  
13 the highest \$/MWH cost from column K of the Fuel Burned sheets. The spreadsheet  
14 also includes the second page of Big Rivers' Form A filing for each month under review,  
15 which contains the inputs for the calculation of the forced outage purchased power  
16 costs recovered through the Non-FAC PPA.

17

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in the Appendix of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1

2

3 Witness) Christopher A. ("Chris") Warren

4

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in Appendix B of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 **Item 17)** *For the period under review, provide the monthly capacity factor*  
2 *at which each generating unit operated.*

3

4 **Response)**

<b>Big Rivers Electric Corporation</b> <b>Monthly Capacity Factor by Generating Unit</b>							
<b>Generating Unit</b>	<b>Metric<sup>a</sup></b>	<b>May 2023</b>	<b>June 2023</b>	<b>July 2023</b>	<b>August 2023</b>	<b>Sept. 2023</b>	<b>Oct. 2023</b>
Reid Station Unit # 2 CT	GCF	1.7%	3.1%	3.9%	2.0%	2.6%	0.6%
	NCF	1.6%	3.0%	3.8%	1.8%	2.5%	0.4%
Green Station Unit # 1	GCF	19.9%	12.1%	22.4%	16.1%	3.2%	2.3%
	NCF	19.5%	11.9%	20.2%	15.1%	2.3%	1.5%
Green Station Unit # 2	GCF	0.0%	0.0%	5.0%	9.1%	3.5%	0.0%
	NCF	-0.6%	-0.8%	3.7%	8.0%	2.5%	-0.7%
Wilson Station Unit # 1	GCF	77.0%	55.1%	90.3%	87.4%	65.5%	96.6%
	NCF	76.9%	54.4%	90.4%	87.0%	64.8%	96.7%

5

**Footnotes to Big Rivers Monthly Capacity Factor table on prior page:**

$$\text{NCF (Net Capacity Factor)} = \frac{\text{Net Actual Generation} \times 100\%}{\text{PH (Period Hours)} \times \text{NMC (Net Maximum Capacity)}}$$

$$\text{GCF (Gross Capacity Factor)} = \frac{\text{Gross Actual Generation} \times 100\%}{\text{PH (Period Hours)} \times \text{GMC (Gross Maximum Capacity)}}$$

6

7 **Witness)** Jeffrey S. ("Jeff") Brown

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in Appendix B of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 **Item 18)**    *For the period under review, explain whether BREC made any*  
2 *changes to its maintenance and operation practices or completed any*  
3 *specific generation efficiency improvements that affect fuel usage at*  
4 *BREC's generation facilities. If so, describe the impact of these changes on*  
5 *BREC's fuel usage.*

6

7 **Response:** In the period under review, May 1, 2023 through October 31, 2023, Big  
8 Rivers has not made any changes to its maintenance and operation practices or  
9 completed any specific generation efficiency improvements that affect fuel usage at  
10 Big Rivers' generation facilities.

11

12

13 **Witness:**    Jeffrey S. ("Jeff") Brown

14

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in Appendix B of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 **Item 19)**     *State whether BREC is aware of any violations of its policies and*  
2 *procedures regarding fuel procurement that occurred prior to or during the*  
3 *period under review.*

4

5 **Response)** Big Rivers is unaware of any previously unreported violations of its  
6 policies and procedures regarding fuel procurement occurring prior to or during the  
7 period May 1, 2023 through October 31, 2023.

8

9

10 **Witness)**     Vicky L. Payne

11

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in Appendix B of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 **Item 20)**     *State whether BREC is aware of any violations of 807 KAR 5:056*  
2 *that occurred prior to or during the period under review.*

3

4 **Response)** Big Rivers is unaware of any violations of 807 KAR 5:056 that occurred  
5 prior to or during the period under review.

6

7

8 **Witness)**     Christopher A. ("Chris") Warren

9

**BIG RIVERS ELECTRIC CORPORATION**  
**AN ELECTRONIC EXAMINATION OF THE**  
**APPLICATION OF THE FUEL ADJUSTMENT CLAUSE**  
**OF BIG RIVERS ELECTRIC CORPORATION**  
**FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023**  
**CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information**  
**in Appendix B of the Commission's Order**  
**dated August 2, 2024**

**August 26, 2024**

1 **Item 21)** *State whether all fuel contracts related to commodity and*  
2 *transportation have been filed with the Commission. If any contracts have*  
3 *not been filed, explain why they have not been filed, and provide a copy.*

4

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

7

8

9 **Witness)** Vicky L. Payne

10



AN ELECTRONIC EXAMINATION OF THE  
APPLICATION OF THE FUEL ADJUSTMENT CLAUSE  
OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023  
CASE NO. 2024-00149

Responses to Commission Staff's First Request for Information  
in Appendix B of the Commission's Order  
dated August 2, 2024

August 26, 2024

1 Item 22) *Identify any customers, either by class of customer or pursuant*  
2 *to special contract, that are not billed a FAC charge.*

3

4 **Response)** Big Rivers provides wholesale electric service under wholesale power  
5 contracts to its three Member-owner distribution cooperatives (Jackson Purchase  
6 Energy Corporation, Kenergy, and Meade County RECC), who, in turn, provide retail  
7 electric service to their member-customers.

8 Big Rivers does not bill its Members a FAC charge for certain sales the  
9 Members make under special retail contracts for service to their retail member-  
10 customers. [REDACTED]

11 [REDACTED]

12 [REDACTED]

13 [REDACTED]

14 [REDACTED]

15 [REDACTED]

16 [REDACTED]

**AN ELECTRONIC EXAMINATION OF THE  
APPLICATION OF THE FUEL ADJUSTMENT CLAUSE  
OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023  
CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information  
in Appendix B of the Commission's Order  
dated August 2, 2024**

**August 26, 2024**

1

2

3

4

Big Rivers also does not bill its Members for other sales that are a pass through of MISO energy market purchases. These market rate sales include (i) the portion of the sales to Jackson Purchase for service to Block Mining, Inc. that are market rate sales under a special contract between Jackson Purchase and Block Mining dated April 12, 2021; (ii) the portion of the sales made to Kenergy for service to Kimberly-Clark Corporation that are market rate sales under Big Rivers' and Kenergy's Standby Service tariffs; and (iii) the portion of the sales to Kenergy for service to Domtar Paper Company that are market rate sales under the special contract between Kenergy and Domtar dated January 21, 2011. Such market rate sales are excluded from the FAC calculation. Additionally, off-system sales do not pay a FAC charge and are excluded from the FAC calculation.

15

**AN ELECTRONIC EXAMINATION OF THE  
APPLICATION OF THE FUEL ADJUSTMENT CLAUSE  
OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023  
CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information  
in Appendix B of the Commission's Order  
dated August 2, 2024**

**August 26, 2024**

1

2 **Witness)** Christopher A. ("Chris") Warren

3

**AN ELECTRONIC EXAMINATION OF THE  
APPLICATION OF THE FUEL ADJUSTMENT CLAUSE  
OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023  
CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information  
in Appendix B of the Commission's Order  
dated August 2, 2024**

**August 26, 2024**

1 **Item 23)** *If any customer class or special contract has or is not being*  
2 *charged a FAC, state the date when the FAC ceased being charged.*

3

4 **Response)**

5

6

7

8

9       Block Mining (formerly, Blockware Mining) was also a new business when it  
10 began taking service under its special contract with Jackson-Purchase. Block Mining  
11 has not paid FAC charges on market rates sales since that contract became effective  
12 on October 14, 2021.

13       Kimberly-Clark has not paid FAC charges on market rate sales under the  
14 Standby Service tariff since Kimberly-Clark was moved to Kenergy's Standby Service  
15 tariff for March 2022 billing.

**AN ELECTRONIC EXAMINATION OF THE  
APPLICATION OF THE FUEL ADJUSTMENT CLAUSE  
OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2023 THROUGH OCTOBER 31, 2023  
CASE NO. 2024-00149**

**Responses to Commission Staff's First Request for Information  
in Appendix B of the Commission's Order  
dated August 2, 2024**

**August 26, 2024**

1

2           Domtar has not paid FAC charges on market rate sales under its current  
3 special contract with Kenergy since that contract became effective on April 1, 2011.

4

5

6 **Witness)**   Christopher A. ("Chris") Warren

7