

**ORIGINAL**



Your Touchstone Energy® Cooperative 

**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</b>	)	
<b>CLAUSE OF BIG RIVERS ELECTRIC</b>	)	<b>Case No.</b>
<b>CORPORATION FROM MAY 1, 2019</b>	)	<b>2020-00009</b>
<b>THROUGH OCTOBER 31, 2019</b>	)	

**Responses to Commission's Request for Information  
dated  
February 11, 2020**

**FILED: February 25, 2020**

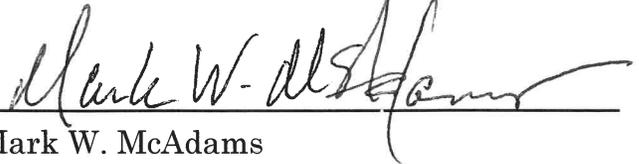
**ORIGINAL**

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**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 )

24<sup>th</sup> SUBSCRIBED AND SWORN TO before me by Mark W. McAdams on this the  
day of February, 2020.

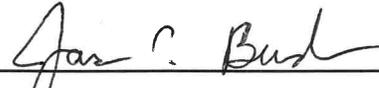
  
Notary Public, Kentucky State at Large  
My Commission Expires October 31, 2020

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**VERIFICATION**

I, Jason C. Burden, 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.



\_\_\_\_\_  
Jason C. Burden

COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

24<sup>th</sup> SUBSCRIBED AND SWORN TO before me by Jason C. Burden on this the  
day of February, 2020.



\_\_\_\_\_  
Notary Public, Kentucky State at Large

My Commission Expires

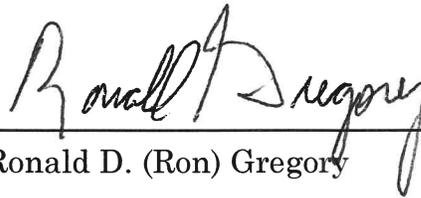
October 31, 2020

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**VERIFICATION**

I, Ronald D. (Ron) Gregory, 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.

  
\_\_\_\_\_  
Ronald D. (Ron) Gregory

COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

SUBSCRIBED AND SWORN TO before me by Ronald D. (Ron) Gregory on this  
the 24<sup>th</sup> day of February, 2020.

  
\_\_\_\_\_  
Notary Public, Kentucky State at Large  
My Commission Expires October 31, 2020

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**VERIFICATION**

I, Natalie R. Hankins, 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.



\_\_\_\_\_  
Natalie R. Hankins

COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

24<sup>th</sup> SUBSCRIBED AND SWORN TO before me by Natalie R. Hankins on this the  
day of February, 2020.



\_\_\_\_\_  
Notary Public, Kentucky State at Large

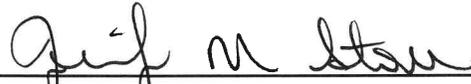
My Commission Expires October 31, 2020

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**VERIFICATION**

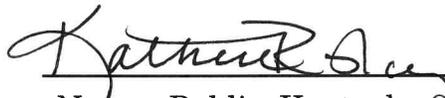
I, Jennifer M. Stone, verify, state, and affirm that the data request responses filed with this verification for which I am listed as a witness are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.



\_\_\_\_\_  
Jennifer M. Stone

COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

24<sup>th</sup> SUBSCRIBED AND SWORN TO before me by Jennifer M. Stone on this the  
day of February, 2020.



\_\_\_\_\_  
Notary Public, Kentucky State at Large

My Commission Expires

October 31, 2020

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

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.

6

**For the Period from May 1, 2019, through October 31, 2019**

<b>Purchase Vendor</b>	<b>Fuel Type</b>	<b>Purchase Tonnage</b>	<b>Contract Type</b>
Foresight Coal (BRE-15-005)	Coal	117,582.83	Contract
KenAmerican Resources (BRE-15-006)	Coal	184,016.94	Contract
Rhino/Pennyrile (BRE-18-001)	Coal	113,354.10	Contract
Rhino/Alliance (BRE-18-001A)	Coal	13,864.10	Contract
Sun Energy (BRE-18-002)	Coal	29,074.50	Contract
Alliance Coal (BRE-18-003)	Coal	358,667.10	Contract
WKY Consol. Resources (BRE-19-002)	Coal	218,913.91	Contract
Rhino/Pennyrile (BRE-19-003)	Coal	29,709.40	Contract
Alliance Coal (BRE-19-005)	Coal	115,595.05	Spot
<b>Total Tonnage</b>		<b>1,180,777.93</b>	

**For the Period from May 1, 2019, through October 31, 2019**

Percentage Spot Purchase Tons	9.79 %
Percentage Contract Purchase Tons	90.21 %
Percentage Total Purchase Tons	100.00 %

7

8 **Witness)** Mark W. McAdams

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

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

4      *a. Contract or purchase order number;*

5      *b. The supplier's name;*

6      *c. The location(s) of production facilities from which the coal is*  
7      *sourced;*

8      *d. The method of delivery, (i.e., barge, truck, rail, other);*

9      *e. The actual quantity received during the review period;*

10      *f. The tonnage requirement for the review period; and*

11      *g. Current price paid per ton.*

12

13 **Response)** Please see the attached schedule

14

15

16 **Witness)** Mark W. McAdams

17

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

**Foresight Coal Supply Agreement**

A. CONTRACT NUMBER:	BRE-15-005		
B. SUPPLIER'S NAME / ADDRESS:	Foresight Coal Sales, LLC 46226 National Road St. Clairsville, OH 43950		
C. PRODUCTION FACILITY:	Shay No. 1 Mine, Macoupin County, Illinois; KenAmerican Paradise No. 9 Mine Western KY Consolidated Resources and Muhlenberg Coal Company's Genesis and Pride Mines Muhlenberg and Ohio Counties, Kentucky		
D. METHOD OF DELIVERY:	Barge and/or truck		
E. ACTUAL TONNAGE:	2015	–	200,318 Tons
	2016	–	239,969 Tons
	2017	–	239,421 Tons
	2018	–	240,151 Tons
	2019	–	204,588 Tons <i>(through October)</i>
F. ANNUAL TONNAGE REQUIREMENTS:	2015	–	200,000 Tons
	2016	–	240,000 Tons
	2017	–	240,000 Tons
	2018	–	240,000 Tons
	2019	–	240,000 Tons
PERCENT OF ANNUAL REQUIREMENTS:	2015	–	100.16 %
	2016	–	99.99 %
	2017	–	99.76 %
	2018	–	100.06 %
	2019	–	85.25 % <i>(through October)</i>
G. CURRENT PRICE <i>(Base)</i> :	2015	–	\$ 34.0006 per Ton
	2016	–	\$ 36.2491 per Ton
	2017	–	\$ 38.4998 per Ton
	2018	–	\$ 40.5497 per Ton
	2019	–	\$ 42.3490 per Ton
CURRENT PRICE <i>(Contract)</i> :	2015	–	\$ 34.0006 per Ton
	2016	–	\$ 36.2491 per Ton
	2017	–	\$ 38.4998 per Ton
	2018	–	\$ 40.5497 per Ton
	2019	–	\$ 42.3490 per Ton

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

**KenAmerican Resources Coal Supply Agreement**

A. CONTRACT NUMBER:	BRE-15-006			
B. SUPPLIER'S NAME/ADDRESS:	KenAmerican Resources, Inc. 46226 National Road St. Clairsville, OH 43950			
C. PRODUCTION FACILITY:	Paradise #9 Mine Western Kentucky Consolidated Resources – Genesis Mine Muhlenberg County Coal Company – Pride Mine			
D. METHOD OF DELIVERY:	Truck			
E. ACTUAL TONNAGE:	2015	–	300,077	Tons
	2016	–	500,015	Tons
	2017	–	498,581	Tons
	2018	–	400,449	Tons
	2019	–	295,117	Tons <i>(through October)</i>
F. ANNUAL TONNAGE REQUIREMENTS:	2015	–	300,000	Tons
	2016	–	500,000	Tons
	2017	–	500,000	Tons
	2018	–	400,000	Tons
	2019	–	350,000 min. 400,000 max.	Tons
PERCENT OF ANNUAL REQUIREMENTS:	2015	–	100.03 %	
	2016	–	100.00 %	
	2017	–	99.72 %	
	2018	–	100.11 %	
	2019	–	74.35 %	<i>(through October)</i> <sup>1</sup>

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<sup>1</sup> Calculated based on 396,100 nominated tons for 2019.

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

**KenAmerican Resources Coal Supply Agreement (*continued*)**  
*(Contract Number – BRE-15-006)*

G. CURRENT PRICE ( <i>Base</i> ):	2015	–	\$ 49.2505	per Ton
	2016	–	\$ 50.5000	per Ton
	2017	–	\$ 51.7496	per Ton
	2018	–	\$ 53.0506	per Ton
	2019	–	\$ 54.4008	per Ton ( <i>Jan – Mar</i> )
			\$ 46.0260	per Ton ( <i>Apr – Dec</i> )
CURRENT PRICE ( <i>Contract</i> ):	2015	–	\$ 49.2505	per Ton
	2016	–	\$ 50.5000	per Ton
	2017	–	\$ 51.7496	per Ton
	2018	–	\$ 53.0506	per Ton
	2019	–	\$ 54.4008	per Ton ( <i>Jan – Mar</i> )
			\$ 46.0260	per Ton ( <i>Apr – Dec</i> )

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

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

A. CONTRACT NUMBER:	BRE-18-001		
B. SUPPLIER'S NAME/ADDRESS:	Rhino Energy LLC/Pennyrile Energy, LLC. 424 Lewis Hargett Circle, Suite 250 Lexington, KY 40503		
C. PRODUCTION FACILITY:	Pennyrile Energy LLC Riveredge Mine McLean County, Kentucky		
D. METHOD OF DELIVERY:	Barge		
E. ACTUAL TONNAGE:	2018	-	350,000 Tons
	2019	-	240,294 Tons <i>(through October)</i>
F. ANNUAL TONNAGE REQUIREMENTS:	2018	-	350,000 Tons
	2019	-	150,000 min. Tons 350,000 max.
	2020	-	150,000 min. Tons 350,000 max.
PERCENT OF ANNUAL REQUIREMENTS:	2018	-	100.00 %
	2019	-	68.65 % <i>(through October)</i> <sup>2</sup>
G. CURRENT PRICE ( <i>Base</i> ):	2018	-	\$ 37.5002 per Ton
	2019	-	\$ 38.6302 per Ton ( <i>Jan. - Aug.</i> )
<i>Assigned Price</i>	2019	-	\$ 36.2710 per Ton ( <i>Sept. - Dec.</i> )
<i>Assigned Price</i>	2020	-	\$ 37.4302 per Ton
CURRENT PRICE ( <i>Contract</i> ):	2018	-	\$ 37.5002 per Ton
	2019	-	\$ 38.6302 per Ton ( <i>Jan. - Aug.</i> )
<i>Assigned Price</i>	2019	-	\$ 36.2710 per Ton ( <i>Sept. - Dec.</i> )
<i>Assigned Price</i>	2020	-	\$ 37.4302 per Ton

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<sup>2</sup> Calculated based on 350,000 ton maximum for 2019. Assigned to Alliance Coal on September 6, 2019. Referenced following assignment as Rhino/Alliance (BRE-18-001A).

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

**Sun Energy Group LLC**

A. CONTRACT NUMBER:	BRE-18-002		
B. SUPPLIER'S NAME/ADDRESS:	Sun Energy Group LLC 2701 West 1100 South Huntingburg, Indiana 47542		
C. PRODUCTION FACILITY:	Hilsmeyer #1 Surface Mine Pike and Dubois Counties, Indiana		
D. METHOD OF DELIVERY:	Barge		
E. ACTUAL TONNAGE:	2018 -	83,828 Tons	
	2019 -	61,786 Tons	<i>(through October)</i>
F. ANNUAL TONNAGE REQUIREMENTS:	2018 -	80,000 Tons	<i>(Amendment One)</i>
	2019 -	80,000 Tons	<sup>3</sup>
	2020 -	240,000 Tons	
	2021 -	220,000 Tons	
PERCENT OF ANNUAL REQUIREMENTS:	2018 -	104.79 %	
	2019 -	77.23 %	<i>(through October)</i>
G. CURRENT PRICE ( <i>Base</i> ):	<u>Quality A (11,200 BTU per lb.)</u>		
	2018 -	\$ 35.0000 per Ton	
	2019 -	\$ 35.0000 per Ton	<i>(first 145,000 tons)</i>
		\$ 35.9990 per Ton	<i>(next 20,000 tons)</i>
	2020 -	\$ 35.9990 per Ton	<i>(first 20,000 tons)</i>
		\$ 37.3498 per Ton	<i>(next 220,000 tons)</i>
	2021 -	\$ 37.3498 per Ton	
	<u>Quality B (10,600 BTU per lb.)</u>		
	2018 -	\$ 32.8791 per Ton	
	2019 -	\$ 32.8791 per Ton	<i>(first 145,000 tons)</i>
		\$ 33.8161 per Ton	<i>(next 20,000 tons)</i>
	2020 -	\$ 33.8161 per Ton	<i>(first 20,000 tons)</i>
		\$ 35.0839 per Ton	<i>(next 220,000 tons)</i>
	2021 -	\$ 35.0839 per Ton	
CURRENT PRICE ( <i>Contract</i> ):	<u>Quality A (11,200 BTU per lb.)</u>		
	2018 -	\$ 35.0000 per Ton	
	2019 -	\$ 35.0000 per Ton	
	<u>Quality B (10,600 BTU per lb.)</u>		
	2018 -	\$ 32.8791 per Ton	
	2019 -	\$ 32.8791 per Ton	

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<sup>3</sup> Big Rivers provided a quality suspension notice on August 15, 2019. Big Rivers provided a contract termination notice on February 13, 2020.

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

**Alliance Coal, LLC**

A. CONTRACT NUMBER:	BRE-18-003		
B. SUPPLIER'S NAME/ADDRESS:	Alliance Coal, LLC 1717 South Boulder, Suite 400 Tulsa, OK 74119		
C. PRODUCTION FACILITY:	Riverview Coal, LLC – River View Mine Union County, Kentucky		
D. METHOD OF DELIVERY:	Barge		
E. ACTUAL TONNAGE:	2018 –	590,897	Tons
	2019 –	625,325	Tons <i>(through October)</i>
F. ANNUAL TONNAGE REQUIREMENTS:	2018 –	585,000	Tons <i>(effective date – February 12, 2018)</i>
	2019 –	300,000 min. 800,000 max.	Tons
	2020 –	300,000 min. 800,000 max.	Tons
PERCENT OF ANNUAL REQUIREMENTS:	2018 –	101.00 %	
	2019 –	92.64 %	<i>(through October)</i> <sup>4</sup>
G. CURRENT PRICE <i>(Base)</i> :	2018 –	\$ 36.5010	per Ton
	2019 –	\$ 37.7499	per Ton
	2020 –	\$ 39.0034	per Ton
CURRENT PRICE <i>(Contract)</i> :	2018 –	\$ 36.5010	per Ton
	2019 –	\$ 37.7499	per Ton

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<sup>4</sup> Calculated based on 675,000 nominated tons for 2019.

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

**Western Kentucky Consolidated Resources, LLC (“WKCC”) and  
Ken American Resources, Inc**

A. CONTRACT NUMBER:	BRE-19-002		
B. SUPPLIER’S NAME / ADDRESS:	Western Kentucky Consolidated Resources, LLC KenAmerican Resources, Inc. 46226 National Road St. Clairsville, OH 43950		
C. PRODUCTION FACILITY:	WKCC Genesis Mine WKCC Pride Mine KenAmerican Paradise Mine		
D. METHOD OF DELIVERY:	Barge and/or truck		
E. ACTUAL TONNAGE:	2019	–	295,117 Tons <i>(through October)</i>
F. ANNUAL TONNAGE REQUIREMENTS:	2019	–	400,000 min. Tons 500,000 max.
	2020	–	400,000 min. Tons 500,000 max.
	2020 <i>Option</i>	–	0 min. Tons 125,000 max.
	2021	–	400,000 min. Tons 500,000 max.
	2021 <i>Option</i>	–	0 min. Tons 125,000 max.
PERCENT OF ANNUAL REQUIREMENTS:	2019	–	65.58 % <i>(through October)</i> <sup>5</sup>
G. CURRENT PRICE ( <i>Base</i> ):	2019	–	\$ 42.85 per Ton
	2020	–	\$ 42.85 per Ton
	2021	–	\$ 42.85 per Ton
CURRENT PRICE ( <i>Contract</i> ):	2019	–	\$ 42.85 per Ton
	2020	–	\$ 42.85 per Ton
	2021	–	\$ 42.85 per Ton

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<sup>5</sup> Calculated based on 450,000 nominated tons for 2019.

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

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

A. CONTRACT NUMBER:	BRE-19-003		
B. SUPPLIER'S NAME / ADDRESS:	Rhino Energy LLC/Pennyrile Energy, LLC. 424 Lewis Hargett Circle, Suite 250 Lexington, KY 40503		
C. PRODUCTION FACILITY:	Pennyrile Energy LLC Riveredge Mine McLean County, Kentucky		
D. METHOD OF DELIVERY:	Barge		
E. ACTUAL TONNAGE:	2019	-	69,186 Tons <i>(through October)</i>
F. ANNUAL TONNAGE REQUIREMENTS:	2019	-	100,000 min. Tons 150,000 max.
	2020	-	100,000 min. Tons 150,000 max.
	2021	-	350,000 min. Tons 500,000 max.
	2022	-	200,000 min. Tons 350,000 max.
	2023	-	200,000 min. Tons 350,000 max.
PERCENT OF ANNUAL REQUIREMENTS:	2019	-	46.12 % <i>(through October)</i> <sup>6</sup>

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<sup>6</sup> Calculated based on 150,000 ton maximum for 2019. Assigned to Alliance Coal on September 6, 2019. Referenced following assignment as Rhino/Alliance (BRE-19-003A).

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

**Rhino Energy LLC and Pennyrile Energy LLC Coal Sales (*continued*)**  
*(Contract Number – BRE-19-003)*

G. CURRENT PRICE ( <i>Base</i> ):	2019	–	\$ 40.67	per Ton ( <i>Jan. – Aug.</i> )
<i>Assigned Price</i>	2019	–	\$ 38.31	per Ton ( <i>Sept. – Dec.</i> )
<i>Assigned Price</i>	2020	–	\$ 39.37	per Ton
	2021	–	\$ 40.10	per Ton
	2022	–	\$ 41.37	per Ton
	2023	–	\$ 42.35	per Ton
 CURRENT PRICE ( <i>Contract</i> ):	2019	–	\$ 40.67	per Ton ( <i>Jan. – Aug.</i> )
<i>Assigned Price</i>	2019	–	\$ 38.31	per Ton ( <i>Sept. – Dec.</i> )
<i>Assigned Price</i>	2020	–	\$ 39.37	per Ton

**Big Rivers Electric Corporation**  
**Case No. 2020-00009**  
**Long-Term Fuel Contract Information**

**Alliance Coal, LLC and Warrior Coal, LLC**

A. CONTRACT NUMBER:	BRE-19-005			
B. SUPPLIER'S NAME / ADDRESS:	Alliance Coal, LLC Warrior Coal, LLC 1717 South Boulder, Suite 400 Tulsa, OK 74119			
C. PRODUCTION FACILITY:	Warrior Coal Company's Cardinal Mine Hopkins County, Kentucky			
D. METHOD OF DELIVERY:	Truck			
E. ACTUAL TONNAGE:	2019	-	206,661 Tons	<i>(through October)</i>
F. ANNUAL TONNAGE REQUIREMENTS:	2019	-	225,000 min. 300,000 max.	Tons
PERCENT OF ANNUAL REQUIREMENTS:	2019	-	84.78 %	<i>(through October)</i> <sup>7</sup>
G. CURRENT PRICE ( <i>Base</i> ):	<u>Quality A (11,000 BTU per lb.)</u>			
	2019	-	\$ 44.00	per Ton
	<u>Quality B (11,500 BTU per lb.)</u>			
	2019	-	\$ 47.60	per Ton
CURRENT PRICE ( <i>Contract</i> ):	<u>Quality A (11,000 BTU per lb.)</u>			
	2019	-	\$ 44.00	per Ton
	<u>Quality B (11,500 BTU per lb.)</u>			
	2019	-	\$ 47.60	per Ton

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<sup>7</sup> Calculated based on 243,750 nominated tons for 2019.

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

1 **Item 3)**

2 *a. As of the last day of the review period, state the coal inventory level*  
3 *in tons and in number of days' supply. Provide this information by*  
4 *generating station and in the 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.*

11 *(1) State whether any significant changes in the current coal*  
12 *inventory target are expected within the next 12 months.*

13 *(2) If so, state the expected change and the reasons for this change.*

14

15 **Response)**

16 *a. As of October 31, 2019, Big Rivers' generating stations individually and in*  
17 *the aggregate had the following inventory levels and days' supply.*

**BIG RIVERS ELECTRIC CORPORATION**

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**Response to Commission’s Request for Information  
dated February 11, 2020**

**February 25, 2020**

1

<b>Total System/Station</b>	<b>Inventory Level (Tons) <sup>1</sup></b>	<b>Number of Days’ Supply <sup>2</sup></b>	<b>Preceding Six-Month Operating Duration (In Days)</b>	<b>Preceding 6 Months Burn (In Tons)</b>
<b>Big Rivers Electric System</b>	511,185.91	38	91	1,239,329.07
<b>Reid Station <sup>3</sup></b>	0.00	0	0	0.00
<b>Station Two <sup>4</sup></b>	65,464.60	0	0	0.00
<b>Green Station <sup>5</sup></b>	231,014.56	57	146	585,873.98
<b>Coleman Station <sup>6</sup></b>	0.00	0	0	0.00
<b>Wilson Station <sup>7</sup></b>	214,706.75	54	163	653,455.09

2

3 b. Number of Days’ Supply =

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

4

5 c. Big Rivers Electric Corporation’s Target Supply is the following range for  
6 each Station in days based on the projected annual fuel burn

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

Total System	30 – 60 Days
Reid Station	0 Days
Station Two	30 – 60 Days
Green	30 – 60 Days
Coleman	0 Days
Wilson	30 – 60 Days

7

8 d. Inventory is within target levels, not exceeding ten (10) days excess.

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
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1 e.

2 (1) Yes.

3 (2) Big Rivers coal inventory has risen following the review period due to  
4 reduced electricity demand and generation created by mild  
5 temperatures and low natural gas prices. Big Rivers anticipates that  
6 coal inventory will exceed targets for the next several months. As  
7 responses to these requests for information were prepared, system  
8 inventory was at 116 days. All contract options to reduce forward  
9 deliveries will be executed by the end of February 2020.

10

11

**BIG RIVERS ELECTRIC CORPORATION**

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1

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

- 1.- Green Station and Wilson Stations each had a pet coke inventory of zero tons as of October 31, 2019.
- 2.- Number of days' supply is rounded to reflect whole days.
- 3.- Reid Station Unit 1 was placed in Inactive Reserve Status effective April 1, 2016. The duration of generation was reduced to zero days. Big Rivers plans to retire Reid Station Unit 1 in the coming months.
- 4.- Station Two Units 1 and 2 were retired on February 1, 2019. The duration of generation was reduced to zero days.
- 5.- Green Station Units 1 and 2 had 318.80 unscheduled, 327.7 scheduled maintenance hours and 1,164.10 Reserve hours during the period under review. These hours were equivalent to 76.57 days. The duration of generation was reduced to 145.72 days.
- 6.- Coleman Station Units 1 and 2 were placed on Inactive Reserve Status on May 1, 2014, and Coleman Station Unit 3 was placed on Inactive Reserve Status on May 8, 2014. The duration of generation was reduced to zero days. Big Rivers plans to retire the Coleman Station Units 1 and 2 in the coming months.
- 7.- Wilson Station had 178.80 unscheduled maintenance hours and 321.7 Reserve hours during the period under review. These hours were equivalent to 20.85 days. The duration of generation was reduced to 163.15 days.

2

3

4 **Witness)** Mark W. McAdams

5

**BIG RIVERS ELECTRIC CORPORATION**

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

3

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

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

16

17

**BIG RIVERS ELECTRIC CORPORATION**

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1 **Response)**

2 a. and b.

3 There were no written coal-supply solicitations issued during the period  
4 from May 1, 2019, through October 31, 2019.

5

6 **Witness)** Mark W. McAdams

**BIG RIVERS ELECTRIC CORPORATION**

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

3

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

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

14

15

**BIG RIVERS ELECTRIC CORPORATION**

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1 **Response)**

2 a. and b.

3 There were no oral coal-supply solicitations issued during the period from  
4 May 1, 2019, through October 31, 2019.

5

6

7 **Witness)** Mark W. McAdams

8

**BIG RIVERS ELECTRIC CORPORATION**

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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, 2019, through October 31, 2019. Also on the following page  
8 please see the percentage of purchases that were either spot versus contract for the  
9 period under review in total.

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

17

**BIG RIVERS ELECTRIC CORPORATION**

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1

**For the Period from May 1, 2019, through October 31, 2019**

<b>Purchase Vendor</b>	<b>Fuel Type</b>	<b>MCF</b>	<b>Contract Type</b>
CIMA Energy, LTD	Natural Gas	22,962.00	Spot
Tenaska Marketing Ventures	Natural Gas	24,650.00	Spot

**For the Period from May 1, 2019, through October 31, 2019**

Percentage Contract	0.00 %
Percentage Spot	100.00 %
Percentage Total	100.00 %

2

3

4 **Witness)** Mark W. McAdams

5

**BIG RIVERS ELECTRIC CORPORATION**

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

4

5 **Response)** There were no instances during this review period that Big Rivers' gas  
6 generating unit could not be operated when it otherwise would have run, due to  
7 pipeline constraints or natural gas being unavailable.

8

9

10 **Witness)**   Mark W. McAdams

11

**BIG RIVERS ELECTRIC CORPORATION**

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1 **Item 8)**      *State if there have been any changes to hedging activities for coal*  
2 *or natural gas purchases used for generation since the previous FAC review*  
3 *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, other than the change to Policy No. 111 – Hedge Policy,  
10 related to resource diversity management, and noted in Big Rivers responses to Item  
11 11b.

12

13

14 **Witness)**      Mark W. McAdams

15

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1 **Item 9)**

2 *a. State whether Big Rivers has audited any of its fuel or*  
3 *transportation contracts during the period under review.*

4 *b. If so, for each audited contract:*

5 *(1) Identify the contract;*

6 *(2) Identify the auditor; and*

7 *(3) State the results of the audit, and describe the actions that Big*  
8 *Rivers took as a result of the audit.*

9

10 **Response)**

11 a. Big Rivers audited one of its coal contracts during the period under review,  
12 May 1, 2019, through October 31, 2019. There were no audits of Big Rivers'  
13 natural gas contracts or transportation contracts in those months.

14 b.

15 (1) Audited Contract:

16 Sun Energy (BRE-18-002) – Hilsmeier #1 and Mariah/Flint Hills.

17 (2) Auditor: – Associated Engineers, Inc. (“Associated Engineers”).

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1           (3) Audit Results and Actions:  
2                   Sun Energy (BRE-18-002) – Associated Engineers provided review of  
3                   data submittal and intermittent permit process review of Sun  
4                   Energy's efforts toward permitting new property in order to fulfill its  
5                   contractual obligations pursuant to this agreement. During the  
6                   period under review, Sun Energy failed to meet the specifications in  
7                   the contract. Big Rivers exercised its contractual right to suspend  
8                   further shipments and to seek reasonable assurances from Sun  
9                   Energy that future shipments will meet the contractual  
10                  specifications. On February 13, 2020, Big Rivers exercised its rights  
11                  to terminate the agreement.

12  
13

14 **Witness)** Mark W. McAdams

15

**BIG RIVERS ELECTRIC CORPORATION**

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1 **Item 10)**

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

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

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

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

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

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

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

14 **c. *State the current status of all litigation with suppliers or vendor.***

15

16

**BIG RIVERS ELECTRIC CORPORATION**

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1 **Response)**

2 a. Big Rivers is not currently involved in any litigation with its current or  
3 former fuel suppliers or transportation vendors.

4 b. (1) – (5)

5 Not applicable.

6 c. Not applicable.

7

8

9 **Witness)** Mark W. McAdams

10

**BIG RIVERS ELECTRIC CORPORATION**

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1 **Item 11)**

2       ***a. For the period under review, state if there have been any changes to***  
3       ***Big River's written policies and procedures regarding its fuel***  
4       ***procurement.***

5       ***b. If yes:***

6               ***(1) Describe the changes;***

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

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

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

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

14

15

**BIG RIVERS ELECTRIC CORPORATION**

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1 **Response)**

2 a. Yes, during the period under review, *i.e.*, May 1, 2019, through October 31,  
3 2019, Big Rivers made changes to Policy No. 111 – Hedge Policy and Policy  
4 No. 121 – Solid Fuel Inventory Policy.

5 b. (1) through (4)

6 Policy No. 111 – Hedge Policy

7 On August 16, 2019, Big Rivers changed this policy to modify Big  
8 Rivers' resource diversity requirements in Section 2e. – Resource Diversity  
9 Management. During any twelve-month rolling period, the permissible  
10 percentage of fuel contracts, from a single supplier with the ability to source  
11 coal from multiple coal mining operations, was increased from 40% to 60%.  
12 For fuel suppliers with the ability to source coal from a single mining  
13 operation, the permissible percentage increased from 25% to 35%. These  
14 changes were made to provide greater flexibility for Big Rivers' fuel  
15 resource management.

16

17

**BIG RIVERS ELECTRIC CORPORATION**

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Policy No. 121 – Solid Fuel Inventory Policy

1  
2           On August 16, 2019, Big Rivers removed Coleman, HMP&L Station  
3           II, and Reid from the Solid Fuel Inventory Level section of this policy. As  
4           noted in footnote 4 of Big Rivers’ response to Item 3, and in the table shown  
5           in Big Rivers’ response to Item 16, of these information requests, HMP&L  
6           Station II (*a.k.a.*, Station Two Unit 1 and 2) was retired on February 1,  
7           2019. Big Rivers currently plans to retire Coleman Station and Reid Unit  
8           1 in the coming months.<sup>1</sup>

9  
10           Copies of these two policies are attached to this response along with a  
11           redline showing the changes from the prior versions of these policies.

12           c. Big Rivers’ other fuel procurement policies and procedures were not  
13           changed during the period under review, *i.e.*, May 1, 2019 through October  
14           31, 2019. In the table below, Big Rivers lists these other written policies

---

<sup>1</sup> See *In the Matter of: Application of Big Rivers Electric Corporation for Approval of its 2020 Environmental Compliance Plan, Authority to Recover Costs through a Revised Environmental Surcharge and Tariff, the Issuance of a Certificate of Public Convenience and Necessity for Certain Projects, and Appropriate Accounting and Other Relief* – Case No. 2019-00435, Application at ¶ 9 and Direct Testimony of Michael T. Pullen, page 9 of 57.

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1 and procedures regarding fuel procurement, the date of their last changes,  
2 and the proceedings in which big Rivers provided them to the Commission.

3

<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	2016-12-16	Case No. 2017-00287	2017-09-13
105	Energy-Related Transaction Authority Policy – Appendix A	2017-12-18	Case No. 2018-00221	2018-08-24
120	Fuel Procurement Policy and Procedures	2018-08-10	Case No. 2019-00007	2019-02-25
122	Energy-Related Transaction Credit Policy	2017-11-17	Case No. 2018-00221	2018-08-24

4

5

6

7 **Witness)** Mark W. McAdams

8

Case No. 2020-00009

**Policy No. 111 – Hedge Policy**

<b>Hedge Policy</b>				
Original Effective Date	<b>07/16/2009</b>	Date Last Reviewed	<b>08/16/2019</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>08/16/2019</b>	

**1. Objective**

The Big Rivers Electric Corporation (“Big Rivers”) Hedge Policy will guide disciplined hedging of forward natural gas, solid fuel, fuel oil and purchased power resources (“Commodity/Commodities”). This Hedge Policy is designed to reduce Member-Owners’ wholesale rate volatility and to maintain rates within desired tolerances. The primary purpose of this policy is to identify specific time and volume (as a percent of total projected generation) criteria for procuring projected Commodity-related needs.

This policy largely employs a price-averaging strategy of declining percentage of Commodity supply positions held over forward time periods. This strategy protects Big Rivers from potential adverse impacts that could result in either significant Commodity price increases or decreases. The strategy also maintains some elements of procurement flexibility. For example, during times of extremely attractive market conditions, this policy allows for increasing the amount of forward Commodities hedged above the stated ranges with the concurrence of the Board of Directors (“Board”). A key component of the policy is a monthly compliance report for the Board, which is outlined herein.

Although this document is primarily concerned with managing Commodity costs and risks, a limited amount of discussion on capacity adequacy, transmission congestion risk, emission allowances and fuel transportation based on similar principles is included.

**2. Hedge Policy Criteria**

The hedging criteria identified within this policy address the primary Commodity supply portfolio components that affect rates and reliability the most. Accordingly, the hedge criteria in the following sections represent the risk tolerance of Big Rivers and identify the processes Big Rivers will employ to manage these key Commodity supply risks.

**a. Volumetric and Lead Time Criteria for Hedging**

This policy employs a total Commodity hedging methodology whereby the MWh equivalent of all Commodity hedges are compared to the expected generation of Big Rivers. To apply as a Commodity hedge, fuel purchases must be combined with physical generation ownership or contracted capacity. The MWh equivalent hedge from fuel purchases will be the volume of mmBTUs of fuel procured for the unit or contract divided by the expected average heat rate of the generation unit or contract divided by 1,000. The total Commodity hedge is the MWh equivalent of the sum of fuel purchases and electricity purchases.

**Rolling Monthly Hedge Ranges**

One criteria of this policy is to have Commodities procured within defined volumetric ranges during the following rolling timeframes. These ranges identify the percentage of Big Rivers’ projected total Commodity needs that will be procured with fixed price Commodities over a given time period. For purposes of this policy, Commodity needs are considered hedged or procured to the extent that the projected need is met by 1) authorized purchase transactions as defined in the Big Rivers Energy Related Transaction Authority Policy (Board Policy 105), or 2) authorized fuel transactions combined with physical generation unit ownership, heat rate transactions, or physical capacity transactions.

<b>Hedge Policy</b>				
Original Effective Date	<b>07/16/2009</b>	Date Last Reviewed	<b>08/16/2019</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>08/16/2019</b>	

Additionally, Commodity option transactions with out of the money strike prices may be used to hedge forward volumes, provided that they do not account for more than 15 percent of the projected Commodity needs in any given month, and they are not more than 50 percent out of the money at the time of the transaction.

<b>Lead Time</b>	<b>Months 1 thru 3</b>	<b>Months 4 thru 12</b>	<b>Quarters 5 thru 8</b>	<b>Quarters 9 thru 12</b>	<b>Years 4 thru 5</b>
<b>Measurement Period</b>	Rolling	Rolling	Rolling	Rolling	Calendar Year
<b>Hedging Frequency</b>	Monthly	Monthly	Quarterly	Quarterly	Annual
<b>Range (%)</b>	80-100	75-100	50-85	25-75	0-50

For the above table, Big Rivers will hedge projected Commodity needs based on the following criteria:

- **Lead Time:** The amount of time from the current period. Defined in months, quarters, or years.
- **Measurement Period:** This is the mechanism under which this volumetric range is measured. There are two measures - rolling, where the measurement period changes monthly and calendar year, where the measurement period is only changed at the change of a calendar year. In the case of conflict, the rolling criterion has precedence over calendar year.
- **Hedging Frequency:** This is primarily useful in conjunction with the rolling measurement period. This is the frequency that the rolling measurement period changes for policy compliance reporting purposes. The hedging frequency period prevents, for example, a situation where the transaction execution staff would have to hedge month 36 (the last month of quarter 12) at a time where monthly purchases are very illiquid (not readily available).
- **Range:** This is the range of overall Commodity needs that will be hedged with fixed price Commodities, of which up to 15 percent may be covered with options...

Commodity procurements that deviate from the stated range will require approval of the Board, and will be part of the regular reporting to the Board.

Commodity hedging will be a complementary hedging activity since Big Rivers has natural gas and coal-fired generation. Big Rivers may also hedge with Commodities if it enters a transaction that uses a natural gas, fuel oil, or coal index price to derive its electricity cost. Such natural gas, fuel oil, and coal-related generation or purchase transactions, while considered capacity, would not be considered Commodity hedges until the projected Commodity volumes are procured. In order to allow flexibility in overall Commodity hedging decisions, specific sub-targets for natural gas hedging are not set within this policy.

<b>Hedge Policy</b>				
Original Effective Date	<b>07/16/2009</b>	Date Last Reviewed	<b>08/16/2019</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>08/16/2019</b>	

**b. MISO Resource Adequacy Requirements**

Big Rivers will comply with all MISO capacity requirement rules.

**c. Congestion Hedging with Financial Transmission Rights (FTR)**

It will be Big Rivers’ policy to actively participate in the MISO FTR allocation and auction process with a prudent and predetermined strategy for addressing the planning year congestion risk.

Big Rivers will target to mitigate a minimum of 50% of congestion risk (measured by annual native load and non-member sales requirements) prior to or by the end of the MISO annual FTR auction.

Big Rivers will target to mitigate a minimum of 70% of congestion risk prior to the month of delivery.

**d. Emission Allowance Hedging**

This hedging policy calls for the establishment of an emission allowance procurement process to meet expected future requirements. Fixed price hedges for emission allowances include 1) actual or expected emission allowances allocated to Big Rivers from the EPA, 2) fixed price allowance purchases and sales, and 3) projected, budgeted, and Board-approved emission control equipment additions. Big Rivers will price average into its emission allowance position when purchasing emission allowances. Emission allowance needs will be managed similar to its approach for Commodities. Big Rivers will maintain fixed price allowance hedges based on the following table.

<b>Lead Time</b>	<b>Current Calendar Year</b>	<b>Calendar Year Two</b>	<b>Calendar Year Three</b>
<b>Minimum (%)</b>	80	70	60

Per applicable regulatory requirements, Big Rivers will hold enough allowances in all compliance accounts to cover emissions for the current reporting period. Specifically, all compliance accounts shall be populated with sufficient allowances to cover emissions for the current reporting period prior to the accounts being closed by the EPA, which is currently two (2) consecutive calendar months after the end of the reporting period. Furthermore, the Designated Representative will ensure that all compliance accounts have an adequate number of allowances prior to running “Final Compliance True up” after the accounts have been closed by the EPA.

Big Rivers will not buy emission allowances from the market for any given year if it results in emission allowances that exceed 105 percent of its expected needs without prior CEO approval.

**e. Resource Diversity Management**

Big Rivers will manage its resource diversity concentration risks on a rolling 12-month basis by diversifying its Commodity supply resources as follows:

<b>Hedge Policy</b>				
Original Effective Date	<b>07/16/2009</b>	Date Last Reviewed	<b>08/16/2019</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>08/16/2019</b>	

Fuel supply contracts will be diversified such that no more than 60 percent (but not more than 1.5 million tons) will be from a single supplier that has the ability to source coal from multiple coal mining operations to supply Big Rivers for any rolling 12-month period. For fuel suppliers that have the ability to source coal from a single mining operation, no more than 35% (but not more than 1.0 million tons) will be from such supplier to supply Big Rivers for any rolling 12-month period.

Exceptions to these limits shall require approval of Big Rivers' Board.

**f. Risk Measurement and Compliance Reporting**

Risk measurement and policy compliance within the volumetric and lead time criteria will be provided to Big Rivers' Board monthly. This report will generally cover five years of projections.

**Responsibility**

It shall be the responsibility of the Board, CEO and IRMC to ensure compliance with this policy. Implementation of this policy shall adhere to the authority granted in the Energy Related Transaction Authority Policy (Board Policy 105).

<b>Number</b>	<b>Date</b>	<b>Notes</b>	<b>Approved by</b>
<b>Original</b>	06/15/2007	Approved to be effective at close of unwind	Board
<b>Rev 1</b>	03/16/2012	Update out-of-date language (joining MISO, old policy reference), general cleanup	Board
<b>Rev 2</b>	09/18/2015	Update terminology (I.E. energy to Commodity, coal to solid fuel, electricity to purchased power), removed Appendix A (out-of-date examples) and Appendix B (no longer applicable), updated emission allowance section to be more concise and clarified resource diversity language.	Board
<b>Rev 3</b>	09/16/2016	Clarified Policy Reference	Board
<b>Rev 4</b>	08/10/2018	Removed capacity resources from resource diversity management	Board
<b>Rev 5</b>	08/16/2019	Modified the resource diversity management requirements	Board

Case No. 2020-00009

**Policy No. 111 – Hedge Policy - Redline**

<b>Hedge Policy</b>				
Original Effective Date	<b>07/16/2009</b>	Date Last Reviewed	<b>08/10/2018</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>08/10/2018</b>	

## **1. Objective**

The Big Rivers Electric Corporation (“Big Rivers”) Hedge Policy will guide disciplined hedging of forward natural gas, solid fuel, fuel oil and purchased power resources (“Commodity/Commodities”). This Hedge Policy is designed to reduce Member-Owners’ wholesale rate volatility and to maintain rates within desired tolerances. The primary purpose of this policy is to identify specific time and volume (as a percent of total projected generation) criteria for procuring projected Commodity-related needs.

This policy largely employs a price-averaging strategy of declining percentage of Commodity supply positions held over forward time periods. This strategy protects Big Rivers from potential adverse impacts that could result in either significant Commodity price increases or decreases. The strategy also maintains some elements of procurement flexibility. For example, during times of extremely attractive market conditions, this policy allows for increasing the amount of forward Commodities hedged above the stated ranges with the concurrence of the Board of Directors (“Board”). A key component of the policy is a monthly compliance report for the Board, which is outlined herein.

Although this document is primarily concerned with managing Commodity costs and risks, a limited amount of discussion on capacity adequacy, transmission congestion risk, emission allowances and fuel transportation based on similar principles is included.

## **2. Hedge Policy Criteria**

The hedging criteria identified within this policy address the primary Commodity supply portfolio components that affect rates and reliability the most. Accordingly, the hedge criteria in the following sections represent the risk tolerance of Big Rivers and identify the processes Big Rivers will employ to manage these key Commodity supply risks.

### **a. Volumetric and Lead Time Criteria for Hedging**

This policy employs a total Commodity hedging methodology whereby the MWh equivalent of all Commodity hedges are compared to the expected generation of Big Rivers. To apply as a Commodity hedge, fuel purchases must be combined with physical generation ownership or contracted capacity. The MWh equivalent hedge from fuel purchases will be the volume of mmBTUs of fuel procured for the unit or contract divided by the expected average heat rate of the generation unit or contract divided by 1,000. The total Commodity hedge is the MWh equivalent of the sum of fuel purchases and electricity purchases.

#### **Rolling Monthly Hedge Ranges**

One criteria of this policy is to have Commodities procured within defined volumetric ranges during the following rolling timeframes. These ranges identify the percentage of Big Rivers’ projected total Commodity needs that will be procured with fixed price Commodities over a given time period. For purposes of this policy, Commodity needs are considered hedged or procured to the extent that the projected need is met by 1) authorized purchase transactions as defined in the Big Rivers Energy Related Transaction Authority Policy (Board Policy 105), or 2) authorized fuel transactions combined with physical generation unit ownership, heat rate transactions, or physical capacity transactions.

<b>Hedge Policy</b>				
Original Effective Date	<b>07/16/2009</b>	Date Last Reviewed	<b>08/10/2018</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>08/10/2018</b>	

Additionally, Commodity option transactions with out of the money strike prices may be used to hedge forward volumes, provided that they do not account for more than 15 percent of the projected Commodity needs in any given month, and they are not more than 50 percent out of the money at the time of the transaction.

<b>Lead Time</b>	<b>Months 1 thru 3</b>	<b>Months 4 thru 12</b>	<b>Quarters 5 thru 8</b>	<b>Quarters 9 thru 12</b>	<b>Years 4 thru 5</b>
<b>Measurement Period</b>	Rolling	Rolling	Rolling	Rolling	Calendar Year
<b>Hedging Frequency</b>	Monthly	Monthly	Quarterly	Quarterly	Annual
<b>Range (%)</b>	80-100	75-100	50-85	25-75	0-50

For the above table, Big Rivers will hedge projected Commodity needs based on the following criteria:

- **Lead Time:** The amount of time from the current period. Defined in months, quarters, or years.
- **Measurement Period:** This is the mechanism under which this volumetric range is measured. There are two measures - rolling, where the measurement period changes monthly and calendar year, where the measurement period is only changed at the change of a calendar year. In the case of conflict, the rolling criterion has precedence over calendar year.
- **Hedging Frequency:** This is primarily useful in conjunction with the rolling measurement period. This is the frequency that the rolling measurement period changes for policy compliance reporting purposes. The hedging frequency period prevents, for example, a situation where the transaction execution staff would have to hedge month 36 (the last month of quarter 12) at a time where monthly purchases are very illiquid (not readily available).
- **Range:** This is the range of overall Commodity needs that will be hedged with fixed price Commodities, of which up to 15 percent may be covered with options...

Commodity procurements that deviate from the stated range will require approval of the Board, and will be part of the regular reporting to the Board.

Commodity hedging will be a complementary hedging activity since Big Rivers has natural gas and coal-fired generation. Big Rivers may also hedge with Commodities if it enters a transaction that uses a natural gas, fuel oil, or coal index price to derive its electricity cost. Such natural gas, fuel oil, and coal-related generation or purchase transactions, while considered capacity, would not be considered Commodity hedges until the projected Commodity volumes are procured. In order to allow flexibility in overall Commodity hedging decisions, specific sub-targets for natural gas hedging are not set within this policy.

<b>Hedge Policy</b>				
Original Effective Date	<b>07/16/2009</b>	Date Last Reviewed	<b>08/10/2018</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>08/10/2018</b>	

**b. MISO Resource Adequacy Requirements**

Big Rivers will comply with all MISO capacity requirement rules.

**c. Congestion Hedging with Financial Transmission Rights (FTR)**

It will be Big Rivers’ policy to actively participate in the MISO FTR allocation and auction process with a prudent and predetermined strategy for addressing the planning year congestion risk.

Big Rivers will target to mitigate a minimum of 50% of congestion risk (measured by annual native load and non-member sales requirements) prior to or by the end of the MISO annual FTR auction.

Big Rivers will target to mitigate a minimum of 70% of congestion risk prior to the month of delivery.

**d. Emission Allowance Hedging**

This hedging policy calls for the establishment of an emission allowance procurement process to meet expected future requirements. Fixed price hedges for emission allowances include 1) actual or expected emission allowances allocated to Big Rivers from the EPA, 2) fixed price allowance purchases and sales, and 3) projected, budgeted, and Board-approved emission control equipment additions. Big Rivers will price average into its emission allowance position when purchasing emission allowances. Emission allowance needs will be managed similar to its approach for Commodities. Big Rivers will maintain fixed price allowance hedges based on the following table.

<b>Lead Time</b>	<b>Current Calendar Year</b>	<b>Calendar Year Two</b>	<b>Calendar Year Three</b>
<b>Minimum (%)</b>	80	70	60

Per applicable regulatory requirements, Big Rivers will hold enough allowances in all compliance accounts to cover emissions for the current reporting period. Specifically, all compliance accounts shall be populated with sufficient allowances to cover emissions for the current reporting period prior to the accounts being closed by the EPA, which is currently two (2) consecutive calendar months after the end of the reporting period. Furthermore, the Designated Representative will ensure that all compliance accounts have an adequate number of allowances prior to running “Final Compliance True up” after the accounts have been closed by the EPA.

Big Rivers will not buy emission allowances from the market for any given year if it results in emission allowances that exceed 105 percent of its expected needs without prior CEO approval.

**e. Resource Diversity Management**

Big Rivers will manage its resource diversity concentration risks on a rolling 12-month basis by diversifying its Commodity supply resources as follows:

<b>Hedge Policy</b>				
Original Effective Date	<b>07/16/2009</b>	Date Last Reviewed	<b>08/10/2018</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>06/15/2007</b>	Date Last Revised	<b>08/10/2018</b>	

Fuel supply contracts will be diversified such that no more than ~~40-60~~ percent (but not more than 1.5 million tons) will be from a single supplier that has the ability to source coal from multiple coal mining operations to supply Big Rivers for any rolling 12-month period. For fuel suppliers that have the ability to source coal from a single mining operation, no more than ~~32.5~~% (but not more than 1.0 million tons) will be from such supplier to supply Big Rivers for any rolling 12-month period.

Exceptions to these limits shall require approval of Big Rivers' Board.

**f. Risk Measurement and Compliance Reporting**

Risk measurement and policy compliance within the volumetric and lead time criteria will be provided to Big Rivers' Board monthly. This report will generally cover five years of projections.

**Responsibility**

It shall be the responsibility of the Board, CEO and IRMC to ensure compliance with this policy. Implementation of this policy shall adhere to the authority granted in the Energy Related Transaction Authority Policy (Board Policy 105).

<b>Number</b>	<b>Date</b>	<b>Notes</b>	<b>Approved by</b>
<b>Original</b>	06/15/2007	Approved to be effective at close of unwind	Board
<b>Rev 1</b>	03/16/2012	Update out-of-date language (joining MISO, old policy reference), general cleanup	Board
<b>Rev 2</b>	09/18/2015	Update terminology (I.E. energy to Commodity, coal to solid fuel, electricity to purchased power), removed Appendix A (out-of-date examples) and Appendix B (no longer applicable), updated emission allowance section to be more concise and clarified resource diversity language.	Board
<b>Rev 3</b>	09/16/2016	Clarified Policy Reference	Board
<b>Rev 4</b>	08/10/2018	Removed capacity resources from resource diversity management	Board

Case No. 2020-00009

**Policy No. 121 – Solid Fuel Inventory Policy**

<b>Solid Fuel Inventory Policy</b>				
Original Effective Date	<b>01/15/1994</b>	Date Last Reviewed	<b>08/16/2019</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>01/15/1994</b>	Date Last Revised	<b>08/16/2019</b>	

**Scope**

To provide guidelines for the Fuels Procurement section in planning fuel procurement and deliveries such that the rate of receipt of solid fuel, in regard to actual and projected solid fuel burn, provides a desired inventory level at each generating station.

**Desired Solid Fuel Inventory Level**

Under normal circumstances, the solid fuel inventories shall be maintained within the minimum and maximum ranges, optimizing around the midpoint, as follows:

	Day's Inventory		
<u>Station</u>	<u>Minimum</u>	<u>Midpoint</u>	<u>Maximum</u>
Green	30	45	60
Wilson	30	45	60
System	30	45	60

Solid fuel inventory, by Station or by System, may be decreased or increased from the levels shown in the above table as deemed necessary in preparation for planned maintenance (outage), expected interruptions (weather, logistics, etc.) to solid fuel supply or market conditions.

**Calculation of Number of Days Supply**

The number of “days” of solid fuel inventory at each generating station plant shall be calculated by dividing the total tons in inventory by the projected average daily burn rate.

**Projection of Average Daily Burn Rate**

The projected average daily burn rate for each generating station shall be calculated by dividing the total tons projected to be burned for the year at that plant by the number of days in the year. The total tons projected to be burned for a given year for each plant shall be that projected in the process of preparing the annual budget and this projection may be revised from time-to-time during the year as more current information affecting the projection becomes available.

<b>Solid Fuel Inventory Policy</b>				
Original Effective Date	<b>01/15/1994</b>	Date Last Reviewed	<b>08/16/2019</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>01/15/1994</b>	Date Last Revised	<b>08/16/2019</b>	

<b>Number</b>	<b>Date</b>	<b>Notes</b>	<b>Approved by</b>
<b>Original</b>	01/15/1994	Originally Coal Inventory Policy	President/CEO
<b>Rev 1</b>	03/18/2011	Revised and renamed Solid Fuel Inventory	Board
<b>Rev 2</b>	10/17/2014	Inventory level change for Coleman and HMPL; update HMPL name	Board
<b>Rev 3</b>	08/21/2015	Added weather, logistics and market conditions as reasons for deviating from solid fuel inventory level ranges	Board
<b>Rev 4</b>	08/18/2017	Inventory level change for Reid	Board
<b>Rev 5</b>	08/16/2019	Removed Coleman, HMP&L Station II and Reid from solid fuel inventory	Board

Case No. 2020-00009

**Policy No. 121 – Solid Fuel Inventory Policy - Redline**

<b>Solid Fuel Inventory Policy</b>				
Original Effective Date	<b>01/15/1994</b>	Date Last Reviewed	<b>08/18/2017</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>01/15/1994</b>	Date Last Revised	<b>08/18/2017</b>	

**Scope**

To provide guidelines for the Fuels Procurement section in planning fuel procurement and deliveries such that the rate of receipt of solid fuel, in regard to actual and projected solid fuel burn, provides a desired inventory level at each generating station.

**Desired Solid Fuel Inventory Level**

Under normal circumstances, the solid fuel inventories shall be maintained within the minimum and maximum ranges, optimizing around the midpoint, as follows:

Day's Inventory

<u>Station</u>	<u>Minimum</u>	<u>Midpoint</u>	<u>Maximum</u>
<del>Coleman</del>	<del>0</del>	<del>0</del>	<del>0</del>
Green	30	45	60
<del>HMPL Station II</del>	<del>30</del>	<del>45</del>	<del>60</del>
<del>Reid</del>	<del>0</del>	<del>0</del>	<del>0</del>
Wilson	30	45	60
System	30	45	60

Solid fuel inventory, by Station or by System, may be decreased or increased from the levels shown in the above table as deemed necessary in preparation for planned maintenance (outage), expected interruptions (weather, logistics, etc.) to solid fuel supply or market conditions.

**Calculation of Number of Days Supply**

The number of “days” of solid fuel inventory at each generating station plant shall be calculated by dividing the total tons in inventory by the projected average daily burn rate.

**Projection of Average Daily Burn Rate**

The projected average daily burn rate for each generating station shall be calculated by dividing the total tons projected to be burned for the year at that plant by the number of days in the year. The total tons projected to be burned for a given year for each plant shall be that projected in the process of preparing the annual budget and this projection may be revised from time-to-time during the year as more current information affecting the projection becomes available.

<b>Solid Fuel Inventory Policy</b>				
Original Effective Date	<b>01/15/1994</b>	Date Last Reviewed	<b>08/18/2017</b>	Approved by <b>BOARD</b>
Original Approval Date	<b>01/15/1994</b>	Date Last Revised	<b>08/18/2017</b>	

<b>Number</b>	<b>Date</b>	<b>Notes</b>	<b>Approved by</b>
<b>Original</b>	01/15/1994	Originally Coal Inventory Policy	President/CEO
<b>Rev 1</b>	03/18/2011	Revised and renamed Solid Fuel Inventory	Board
<b>Rev 2</b>	10/17/2014	Inventory level change for Coleman and HMPL; update HMPL name	Board
<b>Rev 3</b>	08/21/2015	Added weather, logistics and market conditions as reasons for deviating from solid fuel inventory level ranges	Board
<b>Rev 4</b>	08/18/2017	Inventory level change for Reid	Board

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

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  
9 ("SEPA") to purchase up to 178 MWs of energy. A force majeure, previously  
10 declared by SEPA for this contract due to dam safety issues at Wolf Creek  
11 and Center Hill dams on the Cumberland System, remained in effect from  
12 May 1, 2019, through October 31, 2019. For the period under review, Big  
13 Rivers has operated under an annual contract in which it was required to  
14 schedule purchases under the terms of weekly capacity declarations. These  
15 are limited to 154 MWs due to the repairs on the Center Hill dam. The  
16 force majeure ended in January 2020.

**BIG RIVERS ELECTRIC CORPORATION**

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**February 25, 2020**

1           Additional purchases are shown on the table which follows. Please  
2           note, the purchases listed were made to support firm Off-System Sales and  
3           to adjust the amount of sales in selected months. The listed purchases were  
4           not passed through Big Rivers' FAC.

5

**BIG RIVERS ELECTRIC CORPORATION**

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**February 25, 2020**

1 (a) Purchases:

<b>Big Rivers Electric Corporation Power Purchases May 1, 2019 through October 31, 2019</b>			
<b>Date</b>	<b>Electric Utility</b>	<b>MW Commitment</b>	<b>Purpose</b>
Oct 2019	ADM	50 MWs – On-Peak 18,400 Total	Off-System Sales Adjustments
Oct 2019	ADM	50 MWs – On-Peak 18,400 Total	Off-System Sales Adjustments
Oct 2019	ADM	50 MWs – On-Peak 18,400 Total	Off-System Sales Adjustments
Oct 2019	ADM	50 MWs – On-Peak 18,400 Total	Off-System Sales Adjustments
May – Oct 2019	MISO	100 MWs – Off-Peak 235,200 Total	Purchases for Off-System Sales
May 2019	MISO	200 MWs – On-Peak 70,400 Total	Purchases for Off-System Sales
May 2019	MISO	100 MWs – Off-Peak 39,200 Total	Purchases for Off-System Sales
May 2019	MISO	50 MWs – Off-Peak 19,600 Total	Purchases for Off-System Sales
May 2019	MISO	100 MWs – On-Peak 35,200 Total	Purchases for Off-System Sales
June 2019	MISO	100 MWs – On-Peak 32,000 Total	Purchases for Off-System Sales
June 2019	MISO	100 MWs – On-Peak 32,000 Total	Purchases for Off-System Sales

2

3

**BIG RIVERS ELECTRIC CORPORATION**

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**February 25, 2020**

1 (a) Purchases (continued) –

<b>Big Rivers Electric Corporation Power Purchases May 1, 2019 through October 31, 2019</b>			
<b>Date</b>	<b>Electric Utility</b>	<b>MW Commitment</b>	<b>Purpose</b>
Jul – Aug 2019	MISO	100 MWs – On-Peak 70,400 Total	Purchases for Off-System Sales
Sep 2019	MISO	100 MWs – On-Peak 32,000 Total	Purchases for Off-System Sales
Sep 2019	MISO	100 MWs – On-Peak 32,000 Total	Purchases for Off-System Sales
Sep 2019	MISO	50 MWs – On-Peak 16,000 Total	Purchases for Off-System Sales
Oct 2019	MISO	50 MWs – On-Peak 18,400 Total	Purchases for Off-System Sales
Oct 2019	MISO	100 MWs – On-Peak 36,800 Total	Purchases for Off-System Sales
Oct 2019	MISO	50 MWs – Off-Peak 18,800 Total	Purchases for Off-System Sales
Oct 2019	MISO	50 MWs – Off-Peak 18,800 Total	Purchases for Off-System Sales
Oct 2019	MISO	50 MWs – On-Peak 18,400 Total	Off-System Sales Adjustments

2

**BIG RIVERS ELECTRIC CORPORATION**

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1 (b) Sales:

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

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

8 Big Rivers has a contract to provide up to 115 MWs to Owensboro  
9 Municipal Utilities ("OMU"). OMU uses this agreement for economic  
10 energy, when the contract price is below the cost of running their Elmer  
11 Smith Generating Station or when the Elmer Smith Generating Station is  
12 unavailable.

13

**BIG RIVERS ELECTRIC CORPORATION**

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**February 25, 2020**

1 (b) Sales (continued) –

<b>Big Rivers Electric Corporation Firm Off-System Sales May 1, 2019 through October 31, 2019</b>			
<b>Date</b>	<b>Electric Utility</b>	<b>MW Commitment</b>	<b>Purpose</b>
May – Oct 2019	NextEra	100 MWs – Off-Peak 235,200 Total	Off-System Sales
May 2019	Morgan Stanley	200 MWs – On-Peak 70,400 total	Off-System Sales
May 2019	AEP	100 MWs – Off-Peak 39,200 Total	Off-System Sales
May 2019	DTE	50 MWs – Off-Peak 19,600 Total	Off-System Sales
May 2019	BP Energy	100 MWs – On-Peak 35,200 Total	Off-System Sales
Jun 2019	Morgan Stanley	100 MWs – On-Peak 32,000 Total	Off-System Sales
Jun 2019	Morgan Stanley	100 MWs – On-Peak 32,000 Total	Off-System Sales
Jul – Aug 2019	Morgan Stanley	100 MWs – On-Peak 70,400 Total	Off-System Sales
Aug 2019	ADM	50 MWs – On-Peak 17,600 Total	Off-System Sales
Aug 2019	ADM	50 MWs – On-Peak 17,600 Total	Off-System Sales
Sep 2019	EDF	100 MWs – On-Peak 32,000 Total	Off-System Sales
Sep 2019	EDF	100 MWs – On-Peak 32,000 Total	Off-System Sales

2

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**February 25, 2020**

1 (b) Sales (continued) –

<b>Big Rivers Electric Corporation Firm Off-System Sales (continued) May 1, 2019 through October 31, 2019</b>			
<b>Date</b>	<b>Electric Utility</b>	<b>MW Commitment</b>	<b>Purpose</b>
Sep 2019	Morgan Stanley	50 MWs – On-Peak 16,000 Total	Off-System Sales
Sep 2019	ADM	50 MWs – Off-Peak 20,000 Total	Off-System Sales
Oct 2019	ADM	10 MWs – On-Peak 3,680 Total	Off-System Sales
Oct 2019	ADM	40 MWs – On-Peak 14,720 Total	Off-System Sales
Oct 2019	ADM	50 MWs – Off-Peak 18,800 Total	Off-System Sales
Oct 2019	EDF	50 MWs – On-Peak 18,400 Total	Off-System Sales
Oct 2019	Morgan Stanley	100 MWs – On-Peak 36,800 Total	Off-System Sales
Oct 2019	Macquarie	50 MWs – Off-Peak 18,800 Total	Off-System Sales
Oct 2019	BP Energy	50 MWs – Off-Peak 18,800 Total	Off-System Sales
Oct 2019	ADM	20 MWs – Off-Peak 7,520 Total	Off-System Sales
Oct 2019	ADM	30 MWs – Off-Peak 11,280 Total	Off-System Sales
Oct 2019	ADM	15 MWs – On-Peak 5,520 Total	Off-System Sales

2

**BIG RIVERS ELECTRIC CORPORATION**

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1 (b) Sales (continued) –

<b>Big Rivers Electric Corporation Firm Off-System Sales (continued) May 1, 2019 through October 31, 2019</b>			
<b>Date</b>	<b>Electric Utility</b>	<b>MW Commitment</b>	<b>Purpose</b>
Oct 2019	ADM	25 MWs – On-Peak 9,200 Total	Off-System Sales
Oct 2019	ADM	10 MWs – On-Peak 3,680 Total	Off-System Sales
Oct 2019	NextEra	50 MWs – On-Peak 18,400 Total	Off-System Sales
Jul 2019	ADM	50 MWs – On-Peak 4,000 Total	Off-System Sales
Jul 2019	ADM	50 MWs – On-Peak 800 Total	Off-System Sales
Jul 2019	ADM	50 MWs – On-Peak 800 Total	Off-System Sales
Jul 2019	ADM	50 MWs – On-Peak 800 Total	Off-System Sales
Jul 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales
Jul 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales
Jul 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales
Jul 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales
Jul 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales

2

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

1 (b) Sales (continued):

<b>Big Rivers Electric Corporation Firm Off-System Sales (continued) May 1, 2019 through October 31, 2019</b>			
<b>Date</b>	<b>Electric Utility</b>	<b>MW Commitment</b>	<b>Purpose</b>
Jul 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales
Aug 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales
Aug 2019	ADM	50 MWs – On-Peak 4,000 Total	Off-System Sales
Sep 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales
Sep 2019	ADM	50 MWs – Off-Peak 1,600 Total	Off-System Sales
Oct 2019	ADM	50 MWs – On-Peak 2,400 Total	Off-System Sales
Oct 2019	ADM	50 MWs – On-Peak 800 Total	Off-System Sales

2

3

4 **Witness)** Natalie R. Hankins

5

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

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, 2019, through October 31, 2019.

6

7

8 **Witness)** Jennifer M. Stone

9

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
May 2019**

Member Billing May 2019		KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1	JP RURALS	115,850	47,317,002	1,599,309.25	\$ 2,129,265.09	\$ 3,728,574.34
2	KENERGY	205,270	85,886,755	2,833,752.35	3,864,903.98	6,698,656.33
3	MEADE CO. RURALS	76,899	32,584,141	1,061,590.70	1,466,286.35	2,527,877.05
4						
5	<b>TOTAL RURALS</b>	<b>398,019</b>	<b>165,787,898</b>	<b>\$ 5,494,652.30</b>	<b>\$ 7,460,455.42</b>	<b>\$ 12,955,107.72</b>
6						
7		5,262	2,299,312	56,382.33	\$ 87,488.82	\$ 143,871.15
8		48	29,201	514.32	1,111.10	1,625.42
9		39,600	19,853,975	424,314.00	755,443.75	1,179,757.75
10		1,620	443,206	17,358.30	16,863.99	34,222.29
11		9,979	4,047,341	106,924.99	154,001.33	260,926.32
12		2,760	19,251	29,573.40	732.50	30,305.90
13		800	60,148	8,572.00	2,288.63	10,860.63
14		3,396	337,873	36,388.14	12,856.07	49,244.21
15		15,000	11,160,000	160,725.00	424,638.00	585,363.00
16		60	23,553	642.90	896.19	1,539.09
17		1,644	418,761	17,615.46	15,933.86	33,549.32
18		100	19,962	1,071.50	759.55	1,831.05
19		36,461	22,988,160	390,679.62	874,699.49	1,265,379.11
20		4,810	2,169,765	51,539.15	82,559.56	134,098.71
21		3,463	1,727,569	37,106.05	65,734.00	102,840.05
22		100	-	1,071.50	-	1,071.50
23		250	32,016	2,678.75	1,218.21	3,896.96
24		7,333	4,484,533	78,573.10	170,636.48	249,209.58
25		13,122	7,610,330	140,602.23	289,573.06	430,175.29
26		1,862	1,071,941	19,951.33	40,787.36	60,738.69
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>147,670</b>	<b>78,796,897</b>	<b>\$ 1,582,284.07</b>	<b>\$ 2,998,221.95</b>	<b>\$ 4,580,506.02</b>
29						
30		100	4,881	1,071.50	185.72	1,257.22
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>147,770</b>	<b>78,801,778</b>	<b>\$ 1,583,355.57</b>	<b>\$ 2,998,407.67</b>	<b>\$ 4,581,763.24</b>
33						
34	<b>GRAND TOTAL</b>	<b>545,789</b>	<b>244,589,676</b>	<b>\$ 7,078,007.87</b>	<b>\$ 10,458,863.09</b>	<b>\$ 17,536,870.96</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
May 2019**

Member Billing May 2019		Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	JP RURALS	\$ 8.00	\$ -	\$ -	\$ 72,016.48	\$ 289,858.08
2	KENERGY	-	-	-	130,719.64	520,955.77
3	MEADE CO. RURALS	-	-	-	49,593.06	196,633.76
4						
5	<b>TOTAL RURALS</b>	<b>\$ 8.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 252,329.18</b>	<b>\$ 1,007,447.61</b>
6						
7		\$ -	\$ 7,050.47	\$ -	\$ 3,499.55	\$ 11,294.77
8		-	739.34	-	44.44	128.36
9		-	-	(106,589.61)	30,217.75	84,879.73
10		-	-	-	674.56	2,662.50
11		-	-	7,638.99	6,160.05	20,455.74
12		-	-	65.50	29.30	2,270.89
13		-	-	194.28	91.55	826.21
14		-	-	-	514.24	3,761.38
15		-	-	-	16,985.52	46,374.91
16		-	117.87	-	35.85	120.59
17		-	-	-	637.35	2,606.48
18		-	10.72	-	30.38	141.58
19		-	-	-	34,987.98	99,983.99
20		-	578.61	-	3,302.38	10,533.78
21		-	-	-	2,629.36	8,093.14
22		-	-	-	-	80.13
23		-	-	-	48.73	298.89
24		-	-	-	6,825.46	19,681.33
25		-	-	-	11,582.92	33,942.66
26		-	-	-	1,631.49	4,791.93
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ -</b>	<b>\$ 8,497.01</b>	<b>\$ (98,690.84)</b>	<b>\$ 119,928.86</b>	<b>\$ 352,928.99</b>
29						
30		-	-	-	7.43	95.16
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ -</b>	<b>\$ 8,497.01</b>	<b>\$ (98,690.84)</b>	<b>\$ 119,936.29</b>	<b>\$ 353,024.15</b>
33						
34	<b>GRAND TOTAL</b>	<b>\$ 8.00</b>	<b>\$ 8,497.01</b>	<b>\$ (98,690.84)</b>	<b>\$ 372,265.47</b>	<b>\$ 1,360,471.76</b>

Case No. 2020-00009

Attachment for Response to PSC 1-13

Witness: Jennifer M. Stone

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**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**May 2019**

Member Billing May 2019		Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
1	JP RURALS	\$ 75,328.67	\$ 4,165,785.57	\$ (291,962.76)	\$ 3,873,822.81
2	KENERGY	136,731.71	7,487,063.45	(528,053.96)	6,959,009.49
3	MEADE CO. RURALS	51,873.95	2,825,977.82	(199,965.73)	2,626,012.09
4					
5	<b>TOTAL RURALS</b>	<b>\$ 263,934.33</b>	<b>\$ 14,478,826.84</b>	<b>\$ (1,019,982.45)</b>	<b>\$ 13,458,844.39</b>
6					
7		\$ 3,660.50	\$ 169,376.44	\$ (9,769.70)	\$ 159,606.74
8		46.49	2,584.05	(120.33)	2,463.72
9		31,607.53	1,219,873.15	(72,210.58)	1,147,662.57
10		705.58	38,264.93	(2,003.27)	36,261.66
11		6,443.37	301,624.47	(17,339.06)	284,285.41
12		30.65	32,702.24	(620.31)	32,081.93
13		95.76	12,068.43	(386.89)	11,681.54
14		537.89	54,057.72	(1,955.67)	52,102.05
15		17,766.72	666,490.15	(45,328.46)	621,161.69
16		37.50	1,850.90	(101.28)	1,749.62
17		666.67	37,459.82	(1,915.24)	35,544.58
18		31.78	2,045.51	(95.59)	1,949.92
19		36,597.15	1,436,948.23	(94,473.85)	1,342,474.38
20		3,454.27	151,967.75	(9,188.39)	142,779.36
21		2,750.29	116,312.84	(7,243.10)	109,069.74
22		-	1,151.63	(19.82)	1,131.81
23		50.97	4,295.55	(171.07)	4,124.48
24		7,139.38	282,855.75	(18,473.62)	264,382.13
25		12,115.65	487,816.52	(31,484.46)	456,332.06
26		1,706.53	68,868.64	(4,437.42)	64,431.22
27					
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 125,444.68</b>	<b>\$ 5,088,614.72</b>	<b>\$ (317,338.11)</b>	<b>\$ 4,771,276.61</b>
29					
30		7.77	1,367.58	(38.36)	1,329.22
31					
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ 125,452.45</b>	<b>\$ 5,089,982.30</b>	<b>\$ (317,376.47)</b>	<b>\$ 4,772,605.83</b>
33					
34	<b>GRAND TOTAL</b>	<b>\$ 389,386.78</b>	<b>\$ 19,568,809.14</b>	<b>\$ (1,337,358.92)</b>	<b>\$ 18,231,450.22</b>

Case No. 2020-00009

Attachment for Response to PSC 1-13

Witness: Jennifer M. Stone

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**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**June 2019**

Member Billing June 2019		KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1	JP RURALS	126,192	52,162,255	1,742,080.56	\$ 2,347,301.48	\$ 4,089,382.04
2	KENERGY	233,590	95,369,160	3,224,709.95	4,291,612.20	7,516,322.15
3	MEADE CO. RURALS	88,000	35,256,490	1,214,840.00	1,586,542.05	2,801,382.05
4						
5	<b>TOTAL RURALS</b>	<b>447,782</b>	<b>182,787,905</b>	<b>\$ 6,181,630.51</b>	<b>\$ 8,225,455.73</b>	<b>\$ 14,407,086.24</b>
6						
7		5,179	2,224,267	55,492.99	\$ 84,633.36	\$ 140,126.35
8		48	28,315	514.32	1,077.39	1,591.71
9		39,600	19,938,819	424,314.00	758,672.06	1,182,986.06
10		1,620	423,329	17,358.30	16,107.67	33,465.97
11		9,582	3,650,048	102,671.13	138,884.33	241,555.46
12		2,760	19,701	29,573.40	749.62	30,323.02
13		800	33,383	8,572.00	1,270.22	9,842.22
14		3,254	331,821	34,866.61	12,625.79	47,492.40
15		15,000	10,718,436	160,725.00	407,836.49	568,561.49
16		60	25,927	642.90	986.52	1,629.42
17		1,821	495,314	19,512.02	18,846.70	38,358.72
18		100	18,294	1,071.50	696.09	1,767.59
19		36,806	24,676,681	394,376.29	938,947.71	1,333,324.00
20		4,826	2,033,887	51,710.59	77,389.40	129,099.99
21		3,455	1,515,626	37,020.33	57,669.57	94,689.90
22		100	-	1,071.50	-	1,071.50
23		250	24,594	2,678.75	935.80	3,614.55
24		7,220	4,338,843	77,362.30	165,092.98	242,455.28
25		13,303	7,338,013	142,541.65	279,211.39	421,753.04
26		1,851	1,059,988	19,833.47	40,332.54	60,166.01
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>147,635</b>	<b>78,895,286</b>	<b>\$ 1,581,909.05</b>	<b>\$ 3,001,965.63</b>	<b>\$ 4,583,874.68</b>
29						
30		100	10,064	1,071.50	382.94	1,454.44
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>147,735</b>	<b>78,905,350</b>	<b>\$ 1,582,980.55</b>	<b>\$ 3,002,348.57</b>	<b>\$ 4,585,329.12</b>
33						
34	<b>GRAND TOTAL</b>	<b>595,517</b>	<b>261,693,255</b>	<b>\$ 7,764,611.06</b>	<b>\$ 11,227,804.30</b>	<b>\$ 18,992,415.36</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
June 2019**

Member Billing June 2019		Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	JP RURALS	\$ 6.00	\$ -	\$ -	\$ 6,468.12	\$ 416,946.82
2	KENERGY	-	-	-	11,825.78	766,265.57
3	MEADE CO. RURALS	-	-	-	4,371.80	285,542.81
4						
5	<b>TOTAL RURALS</b>	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 22,665.70</b>	<b>\$ 1,468,755.20</b>
6						
7		\$ -	\$ -	\$ -	\$ 275.81	\$ 14,361.86
8		-	739.34	-	3.51	163.66
9		-	-	(106,589.61)	2,472.41	110,810.68
10		-	-	-	52.49	3,411.53
11		-	-	17,698.05	452.61	24,726.01
12		-	-	52.34	2.44	3,028.84
13		-	-	434.35	4.14	987.72
14		-	-	-	41.15	4,795.34
15		-	-	-	1,329.09	58,563.06
16		-	139.30	-	3.21	167.01
17		-	-	-	61.42	3,912.03
18		-	-	-	2.27	179.49
19		-	-	-	3,059.91	137,256.68
20		-	-	-	252.20	13,229.11
21		-	-	-	187.94	9,707.13
22		-	-	-	-	106.91
23		-	-	-	3.05	364.85
24		-	-	-	538.02	24,933.72
25		-	-	-	909.91	43,336.55
26		-	-	-	131.44	6,184.52
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ -</b>	<b>\$ 878.64</b>	<b>\$ (88,404.87)</b>	<b>\$ 9,783.02</b>	<b>\$ 460,226.70</b>
29						
30		-	-	-	1.25	146.84
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ -</b>	<b>\$ 878.64</b>	<b>\$ (88,404.87)</b>	<b>\$ 9,784.27</b>	<b>\$ 460,373.54</b>
33						
34	<b>GRAND TOTAL</b>	<b>\$ 6.00</b>	<b>\$ 878.64</b>	<b>\$ (88,404.87)</b>	<b>\$ 32,449.97</b>	<b>\$ 1,929,128.74</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**June 2019**

Member Billing June 2019		Non-FAC PPA (k)	Revenue (l) = Σ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
1	JP RURALS	\$ 83,042.31	\$ 4,595,845.29	\$ (312,497.41)	\$ 4,283,347.88
2	KENERGY	151,827.70	8,446,241.20	(571,344.45)	7,874,896.75
3	MEADE CO. RURALS	56,128.33	3,147,424.99	(211,217.14)	2,936,207.85
4					
5	<b>TOTAL RURALS</b>	<b>\$ 290,998.34</b>	<b>\$ 16,189,511.48</b>	<b>\$ (1,095,059.00)</b>	<b>\$ 15,094,452.48</b>
6					
7		\$ 3,541.03	\$ 158,305.05	\$ (9,771.99)	\$ 148,533.06
8		45.08	2,543.30	(124.39)	2,418.91
9		31,742.60	1,221,422.14	(78,028.47)	1,143,393.67
10		673.94	37,603.93	(1,859.84)	35,744.09
11		5,810.88	290,243.01	(16,035.91)	274,207.10
12		31.36	33,438.00	(86.53)	33,351.47
13		53.15	11,321.58	(146.64)	11,174.94
14		528.26	52,857.15	(1,457.78)	51,399.37
15		17,063.75	645,517.39	(47,089.81)	598,427.58
16		41.28	1,980.22	(113.91)	1,866.31
17		788.54	43,120.71	(2,176.07)	40,944.64
18		29.12	1,978.47	(80.38)	1,898.09
19		39,285.28	1,512,925.87	(108,413.21)	1,404,512.66
20		3,237.95	145,819.25	(8,935.56)	136,883.69
21		2,412.88	106,997.85	(6,658.68)	100,339.17
22		-	1,178.41	-	1,178.41
23		39.15	4,021.60	(108.04)	3,913.56
24		6,907.44	274,834.46	(19,062.02)	255,772.44
25		11,682.12	477,681.62	(32,238.45)	445,443.17
26		1,687.50	68,169.47	(4,656.90)	63,512.57
27					
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 125,601.31</b>	<b>\$ 5,091,959.48</b>	<b>\$ (337,044.58)</b>	<b>\$ 4,754,914.90</b>
29					
30		16.02	1,618.55	(44.23)	1,574.32
31					
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ 125,617.33</b>	<b>\$ 5,093,578.03</b>	<b>\$ (337,088.81)</b>	<b>\$ 4,756,489.22</b>
33					
34	<b>GRAND TOTAL</b>	<b>\$ 416,615.67</b>	<b>\$ 21,283,089.51</b>	<b>\$ (1,432,147.81)</b>	<b>\$ 19,850,941.70</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
July 2019**

Member Billing July 2019		KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1	JP RURALS	134,565	63,295,477	1,857,669.83	\$ 2,848,296.47	\$ 4,705,966.30
2	KENERGY	242,819	116,301,412	3,352,116.30	5,233,563.54	8,585,679.84
3	MEADE CO. RURALS	92,193	44,424,980	1,272,724.37	1,999,124.10	3,271,848.47
4						
5	<b>TOTAL RURALS</b>	<b>469,577</b>	<b>224,021,869</b>	<b>\$ 6,482,510.50</b>	<b>\$ 10,080,984.11</b>	<b>\$ 16,563,494.61</b>
6						
7		5,262	2,314,165	56,382.33	\$ 88,053.98	\$ 144,436.31
8		48	29,489	514.32	1,122.06	1,636.38
9		39,600	20,591,510	424,314.00	783,506.96	1,207,820.96
10		1,620	430,691	17,358.30	16,387.79	33,746.09
11		9,759	3,925,563	104,567.69	149,367.67	253,935.36
12		2,760	20,738	29,573.40	789.08	30,362.48
13		800	33,429	8,572.00	1,271.97	9,843.97
14		3,210	354,703	34,395.15	13,496.45	47,891.60
15		15,000	11,160,000	160,725.00	424,638.00	585,363.00
16		81	32,766	867.92	1,246.75	2,114.67
17		2,495	684,333	26,733.93	26,038.87	52,772.80
18		100	19,388	1,071.50	737.71	1,809.21
19		36,461	24,354,959	390,679.62	926,706.19	1,317,385.81
20		4,577	1,939,962	49,042.56	73,815.55	122,858.11
21		3,455	1,701,325	37,020.33	64,735.42	101,755.75
22		100	-	1,071.50	-	1,071.50
23		250	25,199	2,678.75	958.82	3,637.57
24		7,106	4,394,710	76,140.79	167,218.72	243,359.51
25		13,815	8,111,119	148,027.73	308,628.08	456,655.81
26		1,905	998,641	20,412.08	37,998.29	58,410.37
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>148,404</b>	<b>81,122,690</b>	<b>\$ 1,590,148.90</b>	<b>\$ 3,086,718.36</b>	<b>\$ 4,676,867.26</b>
29						
30		100	11,812	1,071.50	449.45	1,520.95
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>148,504</b>	<b>81,134,502</b>	<b>\$ 1,591,220.40</b>	<b>\$ 3,087,167.81</b>	<b>\$ 4,678,388.21</b>
33						
34	<b>GRAND TOTAL</b>	<b>618,081</b>	<b>305,156,371</b>	<b>\$ 8,073,730.90</b>	<b>\$ 13,168,151.92</b>	<b>\$ 21,241,882.82</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
July 2019**

Member Billing July 2019		Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	JP RURALS	\$ 6.00	\$ -	\$ -	\$ (48,927.40)	\$ 422,951.33
2	KENERGY	-	-	-	(89,900.99)	771,702.71
3	MEADE CO. RURALS	-	-	-	(34,340.51)	294,089.66
4						
5	<b>TOTAL RURALS</b>	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (173,168.90)</b>	<b>\$ 1,488,743.70</b>
6						
7		\$ -	\$ -	\$ -	\$ (1,788.85)	\$ 13,008.34
8		-	707.19	-	(22.79)	147.62
9		-	-	(106,589.61)	(15,917.24)	99,394.59
10		-	-	-	(332.92)	3,031.26
11		-	1,178.65	18,639.07	(3,034.46)	22,859.72
12		-	-	53.48	(16.03)	2,700.62
13		-	-	(46.79)	(25.84)	877.53
14		-	-	-	(274.19)	4,283.21
15		-	-	-	(8,626.68)	52,849.13
16		-	128.58	-	(25.33)	190.37
17		-	-	-	(528.99)	4,741.13
18		-	-	-	(14.99)	162.24
19		-	-	-	(18,826.38)	118,883.93
20		-	-	-	(1,499.59)	11,062.87
21		-	-	-	(1,315.12)	9,169.58
22		-	-	-	-	95.25
23		-	-	-	(19.48)	325.20
24		-	-	-	(3,397.11)	21,953.72
25		-	-	-	(6,269.89)	41,185.56
26		-	-	-	(771.95)	5,265.17
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ -</b>	<b>\$ 2,014.42</b>	<b>\$ (87,943.85)</b>	<b>\$ (62,707.83)</b>	<b>\$ 412,187.04</b>
29						
30		-	-	-	(9.13)	136.07
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ -</b>	<b>\$ 2,014.42</b>	<b>\$ (87,943.85)</b>	<b>\$ (62,716.96)</b>	<b>\$ 412,323.11</b>
33						
34	<b>GRAND TOTAL</b>	<b>\$ 6.00</b>	<b>\$ 2,014.42</b>	<b>\$ (87,943.85)</b>	<b>\$ (235,885.86)</b>	<b>\$ 1,901,066.81</b>

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**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**July 2019**

Member Billing July 2019		Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
1	JP RURALS	\$ 100,766.40	\$ 5,180,762.63	\$ (301,530.85)	\$ 4,879,231.78
2	KENERGY	185,151.85	9,452,633.41	(554,043.71)	8,898,589.70
3	MEADE CO. RURALS	70,724.57	3,602,322.19	(211,634.43)	3,390,687.76
4					
5	<b>TOTAL RURALS</b>	<b>\$ 356,642.82</b>	<b>\$ 18,235,718.23</b>	<b>\$ (1,067,208.99)</b>	<b>\$ 17,168,509.24</b>
6					
7		\$ 3,684.15	\$ 159,339.95	\$ (9,668.42)	\$ 149,671.53
8		46.95	2,515.35	(123.21)	2,392.14
9		32,781.68	1,217,490.38	(76,786.42)	1,140,703.96
10		685.66	37,130.09	(1,799.41)	35,330.68
11		6,249.50	299,827.84	(16,400.69)	283,427.15
12		33.01	33,133.56	(86.63)	33,046.93
13		53.22	10,702.09	(139.66)	10,562.43
14		564.69	52,465.31	(1,481.90)	50,983.41
15		17,766.72	647,352.17	(46,625.67)	600,726.50
16		52.16	2,460.45	(136.90)	2,323.55
17		1,089.46	58,074.40	(2,859.08)	55,215.32
18		30.87	1,987.33	(81.02)	1,906.31
19		38,773.09	1,456,216.45	(101,753.24)	1,354,463.21
20		3,088.42	135,509.81	(8,105.00)	127,404.81
21		2,708.51	112,318.72	(7,108.02)	105,210.70
22		-	1,166.75	-	1,166.75
23		40.12	3,983.41	(105.26)	3,878.15
24		6,996.38	268,912.50	(18,360.76)	250,551.74
25		12,912.90	504,484.38	(33,887.67)	470,596.71
26		1,589.84	64,493.43	(4,172.26)	60,321.17
27					
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 129,147.33</b>	<b>\$ 5,069,564.37</b>	<b>\$ (329,681.22)</b>	<b>\$ 4,739,883.15</b>
29					
30		18.80	1,666.69	(49.35)	1,617.34
31					
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ 129,166.13</b>	<b>\$ 5,071,231.06</b>	<b>\$ (329,730.57)</b>	<b>\$ 4,741,500.49</b>
33					
34	<b>GRAND TOTAL</b>	<b>\$ 485,808.95</b>	<b>\$ 23,306,949.29</b>	<b>\$ (1,396,939.56)</b>	<b>\$ 21,910,009.73</b>

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**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
August 2019**

Member Billing August 2019		KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1	JP RURALS	138,117	61,474,613	1,906,705.19	\$ 2,766,357.59	\$ 4,673,062.78
2	KENERGY	248,857	110,475,919	3,435,470.89	4,971,416.36	8,406,887.25
3	MEADE CO. RURALS	93,759	41,454,618	1,294,343.00	1,865,457.81	3,159,800.81
4						
5	<b>TOTAL RURALS</b>	<b>480,733</b>	<b>213,405,150</b>	<b>\$ 6,636,519.08</b>	<b>\$ 9,603,231.76</b>	<b>\$ 16,239,750.84</b>
6						
7		5,436	2,477,437	58,246.74	\$ 94,266.48	\$ 152,513.22
8		48	29,084	514.32	1,106.65	1,620.97
9		39,600	19,889,198	424,314.00	756,783.98	1,181,097.98
10		1,620	446,006	17,358.30	16,970.53	34,328.83
11		9,456	3,726,661	101,321.04	141,799.45	243,120.49
12		2,760	23,201	29,573.40	882.80	30,456.20
13		800	45,576	8,572.00	1,734.17	10,306.17
14		3,364	265,344	36,045.26	10,096.34	46,141.60
15		15,000	11,160,000	160,725.00	424,638.00	585,363.00
16		75	30,242	803.63	1,150.71	1,954.34
17		2,615	1,080,462	28,019.73	41,111.58	69,131.31
18		100	20,463	1,071.50	778.62	1,850.12
19		36,418	25,249,728	390,218.87	960,752.15	1,350,971.02
20		4,722	2,067,117	50,596.23	78,653.80	129,250.03
21		3,478	1,803,313	37,266.77	68,616.06	105,882.83
22		100	0	1,071.50	-	1,071.50
23		250	26,356	2,678.75	1,002.85	3,681.60
24		7,318	4,621,747	78,412.37	175,857.47	254,269.84
25		14,237	8,141,253	152,549.46	309,774.68	462,324.14
26		2,118	1,050,453	22,694.37	39,969.74	62,664.11
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>149,515</b>	<b>82,153,641</b>	<b>\$ 1,602,053.24</b>	<b>\$ 3,125,946.06</b>	<b>\$ 4,727,999.30</b>
29						
30		100	11,703	1,071.50	445.30	1,516.80
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>149,615</b>	<b>82,165,344</b>	<b>\$ 1,603,124.74</b>	<b>\$ 3,126,391.36</b>	<b>\$ 4,729,516.10</b>
33						
34	<b>GRAND TOTAL</b>	<b>630,348</b>	<b>295,570,494</b>	<b>\$ 8,239,643.82</b>	<b>\$ 12,729,623.12</b>	<b>\$ 20,969,266.94</b>

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**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
August 2019**

Member Billing August 2019		Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	JP RURALS	\$ 6.00	\$ -	\$ -	\$ 31,290.58	\$ 449,700.33
2	KENERGY	-	-	-	56,232.24	808,992.32
3	MEADE CO. RURALS	-	-	-	21,100.40	304,053.20
4						
5	<b>TOTAL RURALS</b>	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 108,623.22</b>	<b>\$ 1,562,745.85</b>
6						
7		\$ -	\$ -	\$ -	\$ 1,261.02	\$ 14,769.41
8		-	610.76	-	14.80	157.52
9		-	-	(106,589.61)	10,123.60	104,534.65
10		-	-	-	227.02	3,302.45
11		-	2,303.73	19,186.25	1,896.87	23,500.04
12		-	-	51.42	11.81	2,856.61
13		-	-	(51.07)	23.20	974.08
14		-	-	-	135.06	4,373.10
15		-	-	-	5,680.44	57,011.56
16		-	128.58	-	15.39	188.96
17		-	-	-	549.96	6,686.33
18		-	-	-	10.42	177.28
19		-	-	-	12,852.11	131,478.45
20		-	-	-	1,052.16	12,510.22
21		-	-	-	917.89	10,270.11
22		-	-	-	-	100.34
23		-	-	-	13.42	349.95
24		-	-	-	2,352.47	24,720.22
25		-	-	-	4,143.90	44,895.76
26		-	-	-	534.68	6,074.81
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ -</b>	<b>\$ 3,043.07</b>	<b>\$ (87,403.01)</b>	<b>\$ 41,816.22</b>	<b>\$ 448,931.85</b>
29						
30		-	-	-	5.96	144.34
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ -</b>	<b>\$ 3,043.07</b>	<b>\$ (87,403.01)</b>	<b>\$ 41,822.18</b>	<b>\$ 449,076.19</b>
33						
34	<b>GRAND TOTAL</b>	<b>\$ 6.00</b>	<b>\$ 3,043.07</b>	<b>\$ (87,403.01)</b>	<b>\$ 150,445.40</b>	<b>\$ 2,011,822.04</b>

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**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**August 2019**

Member Billing August 2019		Non-FAC PPA (k)	Revenue (l) = Σ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
1	JP RURALS	\$ 97,867.58	\$ 5,251,927.27	\$ (311,977.88)	\$ 4,939,949.39
2	KENERGY	175,877.66	9,447,989.47	(560,654.84)	8,887,334.63
3	MEADE CO. RURALS	65,995.75	3,550,950.16	(210,378.29)	3,340,571.87
4					
5	<b>TOTAL RURALS</b>	<b>\$ 339,740.99</b>	<b>\$ 18,250,866.90</b>	<b>\$ (1,083,011.01)</b>	<b>\$ 17,167,855.89</b>
6					
7		\$ 3,944.08	\$ 172,487.73	\$ (10,354.78)	\$ 162,132.95
8		46.30	2,450.35	(121.54)	2,328.81
9		31,663.60	1,220,830.22	(73,562.36)	1,147,267.86
10		710.04	38,568.34	(1,864.16)	36,704.18
11		5,932.84	295,940.22	(15,576.04)	280,364.18
12		36.94	33,412.98	(96.96)	33,316.02
13		72.56	11,324.94	(190.47)	11,134.47
14		422.43	51,072.19	(1,109.03)	49,963.16
15		17,766.72	665,821.72	(46,644.65)	619,177.07
16		48.15	2,335.42	(126.40)	2,209.02
17		1,720.10	78,087.70	(4,515.92)	73,571.78
18		32.58	2,070.40	(85.54)	1,984.86
19		40,197.57	1,535,499.15	(105,534.45)	1,429,964.70
20		3,290.85	146,103.26	(8,639.76)	137,463.50
21		2,870.87	119,941.70	(7,537.19)	112,404.51
22		-	1,171.84	-	1,171.84
23		41.96	4,086.93	(110.14)	3,976.79
24		7,357.82	288,700.35	(19,317.16)	269,383.19
25		12,960.87	524,324.67	(34,027.41)	490,297.26
26		1,672.32	70,945.92	(4,390.52)	66,555.40
27					
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 130,788.60</b>	<b>\$ 5,265,176.03</b>	<b>\$ (333,804.48)</b>	<b>\$ 4,931,371.55</b>
29					
30		18.63	1,685.73	(48.92)	1,636.81
31					
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ 130,807.23</b>	<b>\$ 5,266,861.76</b>	<b>\$ (333,853.40)</b>	<b>\$ 4,933,008.36</b>
33					
34	<b>GRAND TOTAL</b>	<b>\$ 470,548.22</b>	<b>\$ 23,517,728.66</b>	<b>\$ (1,416,864.41)</b>	<b>\$ 22,100,864.25</b>

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**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**September 2019**

Member Billing September 2019		KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1	JP RURALS	132,255	58,225,674	1,825,780.28	\$ 2,620,155.33	\$ 4,445,935.61
2	KENERGY	238,269	106,804,321	3,289,303.55	4,806,194.45	8,095,498.00
3	MEADE CO. RURALS	88,425	39,320,293	1,220,707.13	1,769,413.19	2,990,120.32
4						
5	<b>TOTAL RURALS</b>	<b>458,949</b>	<b>204,350,288</b>	<b>\$ 6,335,790.96</b>	<b>\$ 9,195,762.97</b>	<b>\$ 15,531,553.93</b>
6						
7		5,315	2,245,969	56,950.23	\$ 85,459.12	\$ 142,409.35
8		48	28,206	514.32	1,073.24	1,587.56
9		39,600	19,060,066	424,314.00	725,235.51	1,149,549.51
10		1,622	359,316	17,379.73	13,671.97	31,051.70
11		8,694	2,715,803	93,156.21	103,336.30	196,492.51
12		2,760	22,712	29,573.40	864.19	30,437.59
13		800	26,441	8,572.00	1,006.08	9,578.08
14		3,427	283,890	36,720.31	10,802.01	47,522.32
15		15,000	10,797,228	160,725.00	410,834.53	571,559.53
16		81	29,832	867.92	1,135.11	2,003.03
17		2,804	1,074,811	30,044.86	40,896.56	70,941.42
18		100	20,084	1,071.50	764.20	1,835.70
19		36,547	24,379,081	391,601.11	927,624.03	1,319,225.14
20		4,200	822,430	45,003.00	31,293.46	76,296.46
21		3,440	1,566,047	36,859.60	59,588.09	96,447.69
22		100	0	1,071.50	-	1,071.50
23		250	26,709	2,678.75	1,016.28	3,695.03
24		7,371	4,494,375	78,980.27	171,010.97	249,991.24
25		14,113	7,526,211	151,220.80	286,372.33	437,593.13
26		2,047	918,063	21,933.61	34,932.30	56,865.91
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>148,319</b>	<b>76,397,274</b>	<b>\$ 1,589,238.12</b>	<b>\$ 2,906,916.28</b>	<b>\$ 4,496,154.40</b>
29						
30		100	11,485	1,071.50	437.00	1,508.50
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>148,419</b>	<b>76,408,759</b>	<b>\$ 1,590,309.62</b>	<b>\$ 2,907,353.28</b>	<b>\$ 4,497,662.90</b>
33						
34	<b>GRAND TOTAL</b>	<b>607,368</b>	<b>280,759,047</b>	<b>\$ 7,926,100.58</b>	<b>\$ 12,103,116.25</b>	<b>\$ 20,029,216.83</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
September 2019**

Member Billing September 2019		Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	JP RURALS	\$ 6.00	\$ -	\$ -	\$ 61,428.09	\$ 304,573.08
2	KENERGY	-	-	-	112,678.56	554,766.97
3	MEADE CO. RURALS	-	-	-	41,482.91	204,877.39
4						
5	<b>TOTAL RURALS</b>	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 215,589.56</b>	<b>\$ 1,064,217.44</b>
6						
7		\$ -	\$ -	\$ -	\$ 2,369.50	\$ 9,842.10
8		-	739.34	-	29.76	110.44
9		-	-	(106,589.61)	20,108.37	72,671.32
10		-	-	-	379.08	2,116.51
11		-	-	18,648.70	2,865.17	13,493.15
12		-	-	59.14	23.96	2,000.08
13		-	-	80.92	27.90	633.75
14		-	-	-	299.50	3,178.96
15		-	-	-	11,391.08	39,904.76
16		-	85.72	-	31.47	138.03
17		-	-	-	1,133.93	4,892.89
18		-	-	-	21.19	124.86
19		-	-	-	25,719.93	91,982.09
20		-	-	-	867.66	5,186.75
21		-	-	-	1,652.18	6,675.80
22		-	-	-	-	70.23
23		-	-	-	28.18	248.22
24		-	-	-	4,741.57	17,402.09
25		-	-	-	7,940.15	30,384.05
26		-	-	-	968.56	3,934.88
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ -</b>	<b>\$ 825.06</b>	<b>\$ (87,800.85)</b>	<b>\$ 80,599.14</b>	<b>\$ 304,990.96</b>
29						
30		-	-	-	12.12	101.47
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ -</b>	<b>\$ 825.06</b>	<b>\$ (87,800.85)</b>	<b>\$ 80,611.26</b>	<b>\$ 305,092.43</b>
33						
34	<b>GRAND TOTAL</b>	<b>\$ 6.00</b>	<b>\$ 825.06</b>	<b>\$ (87,800.85)</b>	<b>\$ 296,200.82</b>	<b>\$ 1,369,309.87</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**September 2019**

Member Billing September 2019		Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
1	JP RURALS	\$ 139,625.17	\$ 4,951,567.95	\$ (309,280.59)	\$ 4,642,287.36
2	KENERGY	256,116.76	9,019,060.29	(567,318.50)	8,451,741.79
3	MEADE CO. RURALS	94,290.06	3,330,770.68	(208,859.80)	3,121,910.88
4					
5	<b>TOTAL RURALS</b>	<b>\$ 490,031.99</b>	<b>\$ 17,301,398.92</b>	<b>\$ (1,085,458.89)</b>	<b>\$ 16,215,940.03</b>
6					
7		\$ 5,385.83	\$ 160,006.78	\$ (10,135.04)	\$ 149,871.74
8		67.64	2,534.74	(127.27)	2,407.47
9		45,706.04	1,181,445.63	(75,713.90)	1,105,731.73
10		861.64	34,408.93	(1,621.44)	32,787.49
11		6,512.50	238,012.03	(12,255.15)	225,756.88
12		54.46	32,575.23	(102.47)	32,472.76
13		63.41	10,384.06	(119.29)	10,264.77
14		680.77	51,681.55	(1,281.06)	50,400.49
15		25,891.75	648,747.12	(48,722.90)	600,024.22
16		71.54	2,329.79	(134.62)	2,195.17
17		2,577.40	79,545.64	(4,850.11)	74,695.53
18		48.16	2,029.91	(90.65)	1,939.26
19		58,461.04	1,495,388.20	(110,011.53)	1,385,376.67
20		1,972.19	84,323.06	(3,711.24)	80,611.82
21		3,755.38	108,531.05	(7,066.86)	101,464.19
22		-	1,141.73	-	1,141.73
23		64.05	4,035.48	(120.51)	3,914.97
24		10,777.51	282,912.41	(20,281.02)	262,631.39
25		18,047.85	493,965.18	(33,962.31)	460,002.87
26		2,201.52	63,970.87	(4,142.81)	59,828.06
27					
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 183,200.68</b>	<b>\$ 4,977,969.39</b>	<b>\$ (334,450.18)</b>	<b>\$ 4,643,519.21</b>
29					
30		27.54	1,649.63	(51.83)	1,597.80
31					
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ 183,228.22</b>	<b>\$ 4,979,619.02</b>	<b>\$ (334,502.01)</b>	<b>\$ 4,645,117.01</b>
33					
34	<b>GRAND TOTAL</b>	<b>\$ 673,260.21</b>	<b>\$ 22,281,017.94</b>	<b>\$ (1,419,960.90)</b>	<b>\$ 20,861,057.04</b>

Case No. 2020-00009

Attachment for Response to PSC 1-13

Witness: Jennifer M. Stone

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**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**October 2019**

Member Billing October 2019		KW Billed (a)	kWh (b)	Demand Revenue (c)	Base Energy Revenue (d)	Total Demand & Energy (e) = (c) + (d)
1	JP RURALS	125,418	43,135,132	1,731,395.49	\$ 1,941,080.94	\$ 3,672,476.43
2	KENERGY	235,071	78,754,322	3,245,155.16	3,543,944.49	6,789,099.65
3	MEADE CO. RURALS	88,051	30,655,293	1,215,544.06	1,379,488.19	2,595,032.25
4						
5	<b>TOTAL RURALS</b>	<b>448,540</b>	<b>152,544,747</b>	<b>\$ 6,192,094.71</b>	<b>\$ 6,864,513.62</b>	<b>\$ 13,056,608.33</b>
6						
7		5,171	2,039,719	55,407.27	\$ 77,611.31	\$ 133,018.58
8		61	31,940	653.62	1,215.32	1,868.94
9		39,600	17,670,687	424,314.00	672,369.64	1,096,683.64
10		1,631	550,859	17,476.17	20,960.18	38,436.35
11		8,807	3,017,211	94,367.01	114,804.88	209,171.89
12		2,760	23,440	29,573.40	891.89	30,465.29
13		800	7,017	8,572.00	267.00	8,839.00
14		3,000	211,375	32,145.00	8,042.82	40,187.82
15		15,000	11,060,534	160,725.00	420,853.32	581,578.32
16		63	24,598	675.05	935.95	1,611.00
17		3,093	1,335,080	33,141.50	50,799.79	83,941.29
18		100	20,908	1,071.50	795.55	1,867.05
19		35,986	25,000,360	385,589.99	951,263.70	1,336,853.69
20		4,200	307,133	45,003.00	11,686.41	56,689.41
21		3,455	1,782,500	37,020.33	67,824.13	104,844.46
22		100	0	1,071.50	-	1,071.50
23		250	26,742	2,678.75	1,017.53	3,696.28
24		7,174	4,713,625	76,869.41	179,353.43	256,222.84
25		13,841	7,557,633	148,306.32	287,567.94	435,874.26
26		1,452	726,265	15,558.18	27,634.38	43,192.56
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>146,544</b>	<b>76,107,626</b>	<b>\$ 1,570,219.00</b>	<b>\$ 2,895,895.17</b>	<b>\$ 4,466,114.17</b>
29						
30		1,717	192,312	18,397.66	7,317.47	25,715.13
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>148,261</b>	<b>76,299,938</b>	<b>\$ 1,588,616.66</b>	<b>\$ 2,903,212.64</b>	<b>\$ 4,491,829.30</b>
33						
34	<b>GRAND TOTAL</b>	<b>596,801</b>	<b>228,844,685</b>	<b>\$ 7,780,711.37</b>	<b>\$ 9,767,726.26</b>	<b>\$ 17,548,437.63</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Sales to Members  
October 2019**

Member Billing October 2019		Net Green Power (f)	Power Factor Penalty (g)	Billing Adjustment (h)	Fuel Adjustment Clause (FAC) (i)	Environmental Surcharge (ES) (j)
1	JP RURALS	\$ 6.00	\$ -	\$ -	\$ 56,550.16	\$ 239,192.89
2	KENERGY	-	-	-	103,246.92	441,953.87
3	MEADE CO. RURALS	-	-	-	40,189.09	169,058.21
4						
5	<b>TOTAL RURALS</b>	<b>\$ 6.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 199,986.17</b>	<b>\$ 850,204.97</b>
6						
7		\$ -	\$ -	\$ -	\$ 2,674.07	\$ 8,774.16
8		-	567.90	-	41.87	124.04
9		-	-	(106,589.61)	23,166.27	65,884.57
10		-	-	-	722.18	2,526.42
11		-	5,550.37	16,871.75	3,955.56	13,753.34
12		-	-	61.25	30.73	1,906.83
13		-	-	(58.70)	9.20	553.29
14		-	-	-	277.11	2,557.14
15		-	-	-	14,500.36	38,858.01
16		-	150.01	-	32.25	106.24
17		-	-	-	1,750.29	5,548.02
18		-	-	-	27.41	121.37
19		-	-	-	32,775.47	89,223.36
20		-	-	-	402.65	3,609.21
21		-	-	-	2,336.86	6,956.21
22		-	-	-	-	66.87
23		-	-	-	35.06	236.88
24		-	-	-	6,179.56	17,082.60
25		-	-	-	9,908.06	28,953.41
26		-	-	-	952.13	2,863.87
27						
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ -</b>	<b>\$ 6,268.28</b>	<b>\$ (89,715.31)</b>	<b>\$ 99,777.09</b>	<b>\$ 289,705.84</b>
29						
30		-	-	-	252.12	1,649.46
31						
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ -</b>	<b>\$ 6,268.28</b>	<b>\$ (89,715.31)</b>	<b>\$ 100,029.21</b>	<b>\$ 291,355.30</b>
33						
34	<b>GRAND TOTAL</b>	<b>\$ 6.00</b>	<b>\$ 6,268.28</b>	<b>\$ (89,715.31)</b>	<b>\$ 300,015.38</b>	<b>\$ 1,141,560.27</b>

**Big Rivers Electric Corporation**  
**Monthly Billing Summary**  
**Sales to Members**  
**October 2019**

Member Billing October 2019		Non-FAC PPA (k)	Revenue (l) = $\sum$ (e) to (k)	MRSM - ER Adjustment (m)	Revenue Net of MRSM Adjustments (n) = (l) + (m)
1	JP RURALS	\$ 103,438.05	\$ 4,071,663.53	\$ (300,432.65)	\$ 3,771,230.88
2	KENERGY	188,852.86	7,523,153.30	(548,517.36)	6,974,635.94
3	MEADE CO. RURALS	73,511.39	2,877,790.94	(213,511.60)	2,664,279.34
4					
5	<b>TOTAL RURALS</b>	<b>\$ 365,802.30</b>	<b>\$ 14,472,607.77</b>	<b>\$ (1,062,461.61)</b>	<b>\$ 13,410,146.16</b>
6					
7		\$ 4,891.25	\$ 149,358.06	\$ (9,000.68)	\$ 140,357.38
8		76.59	2,679.34	(140.92)	2,538.42
9		42,374.31	1,121,519.18	(69,746.40)	1,051,772.78
10		1,320.96	43,005.91	(2,430.79)	40,575.12
11		7,235.27	256,538.18	(13,314.03)	243,224.15
12		56.21	32,520.31	(103.42)	32,416.89
13		16.83	9,359.62	(30.95)	9,328.67
14		506.88	43,528.95	(932.72)	42,596.23
15		26,523.16	661,459.85	(48,806.82)	612,653.03
16		58.99	1,958.49	(108.55)	1,849.94
17		3,201.52	94,441.12	(5,891.29)	88,549.83
18		50.14	2,065.97	(92.27)	1,973.70
19		59,950.86	1,518,803.38	(110,319.06)	1,408,484.32
20		736.50	61,437.77	(1,355.27)	60,082.50
21		4,274.44	118,411.97	(7,865.65)	110,546.32
22		-	1,138.37	-	1,138.37
23		64.13	4,032.35	(117.99)	3,914.36
24		11,303.27	290,788.27	(20,799.79)	269,988.48
25		18,123.20	492,858.93	(33,349.57)	459,509.36
26		1,741.58	48,750.14	(3,204.80)	45,545.34
27					
28	<b>Sub-Total Kenergy Industrials</b>	<b>\$ 182,506.09</b>	<b>\$ 4,954,656.16</b>	<b>\$ (327,610.97)</b>	<b>\$ 4,627,045.19</b>
29					
30		461.16	28,077.87	(848.62)	27,229.25
31					
32	<b>TOTAL INDUSTRIALS</b>	<b>\$ 182,967.25</b>	<b>\$ 4,982,734.03</b>	<b>\$ (328,459.59)</b>	<b>\$ 4,654,274.44</b>
33					
34	<b>GRAND TOTAL</b>	<b>\$ 548,769.55</b>	<b>\$ 19,455,341.80</b>	<b>\$ (1,390,921.20)</b>	<b>\$ 18,064,420.60</b>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales  
May 2019**

1	May 2019 - Other Sales	MWH	REVENUE
2	<hr/>		
3	SPECIAL SALES - ENERGY		
4	KENERGY-DOMTAR COGEN	24,699	\$ 676,905.29
5	HENDERSON MUNICIPAL POWER & LIGHT		\$ 1,190.46
6	MISO	250,327	\$ 6,365,879.45
7	NORTHEAST POWER		\$ 296,551.50
8	CITY OF OWENSBORO, KY		\$ 2,466.10
9	CITY OF WAYNE, NE		\$ 45,289.65
10	CIYT OF WAKEFIELD, NE		\$ 47,555.77
11	KENTUCKY MUNICIPAL ENERGY AGENCY	48,767	\$ 1,555,736.60
12	<hr/>		
13	TOTAL SPECIAL SALES - ENERGY	323,793	\$ 8,991,574.82
14	<hr/>		
15	SPECIAL SALES - BILATERAL		
16	BP ENERGY		\$ 1,309,440.00
17	DTE ENERGY TRADING		\$ 444,920.00
18	NEXTERA ENERGY POWER MARKETING		\$ 995,680.00
19	MISO - CONTRA REVENUE		\$ (6,084,040.42)
20	MORGAN STANLEY CAPITAL GROUP		\$ 2,372,480.00
21	AEP ENERGY PARTNERS		\$ 885,920.00
22	<hr/>		
23	TOTAL SPECIAL SALES - BILATERAL		\$ (75,600.42)
24	<hr/>		

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales  
 May 2019**

1	May 2019 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - CAPACITY		
4	CITY OF HANNIBAL, MO - CAPACITY SALES		\$ 62,500.00
5	CITY OF KAHOKA, MO - CAPACITY SALES		\$ 500.00
6	CITY OF CALIFORNIA, MO - CAPACITY SALES		\$ 29,500.00
7	CITY OF CENTRALIA, MO - CAPACITY SALES		\$ 24,250.00
8	CITY OF MARCELINE, MO - CAPACITY SALES		\$ 7,750.00
9	DTE ENERGY TRADING - CAPACITY SALES		\$ 486,760.00
10	MISO - CAPACITY SALES		\$ 82,617.79
11	NEXTERA ENERGY POWER MARKETING - CAPACITY SALES		\$ 123,000.00
12			
13	TOTAL SPECIAL SALES - BILATERAL		\$ 816,877.79
14			
15	TOTAL	<u>323,793</u>	<u>\$ 9,732,852.19</u>

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales  
 June 2019**

1	June 2019 - Other Sales	MWH	REVENUE
2	<hr/>		
3	SPECIAL SALES - ENERGY		
4	KENERGY-DOMTAR COGEN	5,968	\$ 164,724.42
5	ADM INVESTOR SERVICES		\$ 1,412.96
6	HENDERSON MUNICIPAL POWER & LIGHT		\$ 1,051.19
7	MISO	250,966	\$ 6,052,663.36
8	NORTHEAST POWER		\$ 227,702.75
9	CITY OF OWENSBORO, KY		\$ 14,653.46
10	CITY OF WAYNE, NE		\$ 98,945.46
11	CITY OF WAKEFIELD, NE		\$ 75,706.06
12	KENTUCKY MUNICIPAL ENERGY AGENCY	38,075	\$ 2,347,888.32
13		<hr/>	
14	TOTAL SPECIAL SALES - ENERGY	295,009	\$ 8,984,747.98
15			
16	SPECIAL SALES - BILATERAL		
17	NEXTERA ENERGY POWER MARKETING		\$ 1,016,000.00
18	MISO - CONTRA REVENUE		\$ (2,716,224.63)
19	MORGAN STANLEY CAPITAL GROUP		\$ 2,270,400.00
20		<hr/>	
21	TOTAL SPECIAL SALES - BILATERAL		\$ 570,175.37
22			

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales  
June 2019**

1	June 2019 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - CAPACITY		
4	CITY OF HANNIBAL, MO - CAPACITY SALES		\$ 62,500.00
5	CITY OF KAHOKA, MO - CAPACITY SALES		\$ 500.00
6	CITY OF CALIFORNIA, MO - CAPACITY SALES		\$ 29,500.00
7	CITY OF CENTRALIA, MO - CAPACITY SALES		\$ 24,250.00
8	CITY OF MARCELINE, MO - CAPACITY SALES		\$ 7,750.00
9	DTE ENERGY TRADING - CAPACITY SALES		\$ 285,047.00
10	MISO - CAPACITY SALES		\$ (1,121.40)
11	NEXTERA ENERGY POWER MARKETING - CAPACITY SALES		\$ 318,500.00
12			
13	TOTAL SPECIAL SALES - BILATERAL		\$ 726,925.60
14			
15	TOTAL	<u>295,009</u>	<u>\$ 10,281,848.95</u>

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales  
July 2019**

1	July 2019 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - ENERGY		
4	KENERGY-DOMTAR COGEN	15,026	\$ 495,145.02
5	ADM INVESTOR SERVICES		\$ 15,207.00
6	HENDERSON MUNICIPAL POWER & LIGHT		\$ (11,969.49)
7	MISO	217,682	\$ 5,888,779.58
8	NORTHEAST POWER		\$ 185,293.74
9	CITY OF OWENSBORO, KY		\$ 7,989.60
10	CITY OF WAYNE, NE		\$ 94,909.01
11	CITY OF WAKEFIELD, NE		\$ 70,534.24
12	KENTUCKY MUNICIPAL ENERGY AGENCY	40,375	\$ 2,388,703.58
13			
14	TOTAL SPECIAL SALES - ENERGY	273,083	\$ 9,134,592.28
15			
16	SPECIAL SALES - BILATERAL		
17	NEXTERA ENERGY POWER MARKETING		\$ 995,680.00
18	MISO - CONTRA REVENUE		\$ (2,106,820.00)
19	MORGAN STANLEY CAPITAL GROUP		\$ 1,362,240.00
20			
21	TOTAL SPECIAL SALES - BILATERAL		\$ 251,100.00
22			

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales  
 July 2019**

1	July 2019 - Other Sales	MWH	REVENUE
2	<hr/>		
3	SPECIAL SALES - CAPACITY		
4	CITY OF HANNIBAL, MO - CAPACITY SALES		\$ 62,500.00
5	CITY OF KAHOKA, MO - CAPACITY SALES		\$ 500.00
6	CITY OF CALIFORNIA, MO - CAPACITY SALES		\$ 29,500.00
7	CITY OF CENTRALIA, MO - CAPACITY SALES		\$ 24,250.00
8	CITY OF MARCELINE, MO - CAPACITY SALES		\$ 7,750.00
9	DTE ENERGY TRADING - CAPACITY SALES		\$ 285,047.00
10	MISO - CAPACITY SALES		\$ (1,158.78)
11	NEXTERA ENERGY POWER MARKETING - CAPACITY SALES		\$ 318,500.00
12		<hr/>	<hr/>
13	TOTAL SPECIAL SALES - CAPACITY		\$ 726,888.22
14		<hr/>	<hr/>
15	TOTAL	<u>273,083</u>	<u>\$ 10,112,580.50</u>

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales  
 August 2019**

1	August 2019 - Other Sales	MWH	REVENUE
2	<hr/>		
3	SPECIAL SALES - ENERGY		
4	KENERGY-DOMTAR COGEN	7,622	\$ 203,632.30
5	ADM INVESTOR SERVICES		\$ 189,892.00
6	MISO	147,863	\$ 3,733,280.37
7	NORTHEAST POWER		\$ 323,933.76
8	CITY OF OWENSBORO, KY		\$ 5,099.61
9	CITY OF WAYNE, NE		\$ 91,199.57
10	CITY OF WAKEFIELD, NE		\$ 68,497.61
11	KENTUCKY MUNICIPAL ENERGY AGENCY	35,000	\$ 2,258,081.93
12	<hr/>		
13	TOTAL SPECIAL SALES - ENERGY	190,485	\$ 6,873,617.15
14	<hr/>		
15	SPECIAL SALES - BILATERAL		
16	MACQUARIE ENERGY		
17	NEXTERA ENERGY POWER MARKETING		\$ 995,680.00
18	MISO - CONTRA REVENUE		\$ (1,944,486.24)
19	MORGAN STANLEY CAPITAL GROUP		\$ 1,362,240.00
20	<hr/>		
21	TOTAL SPECIAL SALES - BILATERAL		\$ 413,433.76
22	<hr/>		

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales  
 August 2019**

1	August 2019 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - CAPACITY		
4	CITY OF HANNIBAL, MO - CAPACITY SALES		\$ 62,500.00
5	CITY OF KAHOKA, MO - CAPACITY SALES		\$ 500.00
6	CITY OF CALIFORNIA, MO - CAPACITY SALES		\$ 29,500.00
7	CITY OF CENTRALIA, MO - CAPACITY SALES		\$ 24,250.00
8	CITY OF MARCELINE, MO - CAPACITY SALES		\$ 7,750.00
9	DTE ENERGY TRADING-CAPACITY SALES		\$ 285,047.00
10	MISO - CAPACITY SALES		\$ (1,158.78)
11	NEXTERA ENERGY POWER MARKETING - CAPACITY SALES		\$ 318,500.00
12			
13	TOTAL SPECIAL SALES - CAPACITY		\$ 726,888.22
14			
15	TOTAL	190,485	\$ 8,013,939.13

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales  
 September 2019**

1	September 2019 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - ENERGY		
4	KENERGY-DOMTAR COGEN	10,068	\$ 303,660.10
5	ADM INVESTOR SERVICES		\$ 188,135.50
6	MISO	150,972	\$ 4,176,129.58
7	NORTHEAST POWER		\$ 333,824.52
8	CITY OF WAYNE, NE		\$ 88,372.78
9	CITY OF WAKEFIELD, NE		\$ 66,777.28
10	KENTUCKY MUNICIPAL ENERGY AGENCY	36,750	\$ 2,308,530.00
11			
12	TOTAL SPECIAL SALES - ENERGY	197,790	\$ 7,465,429.76
13			
14	SPECIAL SALES - BILATERAL		
15	EDF TRADING NORTH AMERICA		\$ 2,348,800.00
16	NEXTERA ENERGY POWER MARKETING		\$ 1,016,000.00
17	MISO - CONTRA REVENUE		\$ (3,819,206.11)
18	MORGAN STANLEY CAPITAL GROUP		\$ 584,000.00
19			
20	TOTAL SPECIAL SALES - BILATERAL		\$ 129,593.89
21			

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales  
 September 2019**

1	September 2019 - Other Sales	MWH	REVENUE
2			
3	SPECIAL SALES - CAPACITY		
4	CITY OF HANNIBAL, MO - CAPACITY SALES		\$ 62,500.00
5	CITY OF KAHOKA, MO - CAPACITY SALES		\$ 500.00
6	CITY OF CALIFORNIA, MO - CAPACITY SALES		\$ 29,500.00
7	CITY OF CENTRALIA, MO - CAPACITY SALES		\$ 24,250.00
8	CITY OF MARCELINE, MO - CAPACITY SALES		\$ 7,750.00
9	DTE ENERGY TRADING - CAPACITY SALES		\$ 285,047.00
10	MISO - CAPACITY SALES		\$ (1,121.40)
11	NEXTERA ENERGY POWER MARKETING - CAPACITY SALES		\$ 318,500.00
12			
13	TOTAL SPECIAL SALES - CAPACITY		\$ 726,925.60
14			
15	TOTAL	197,790	\$ 8,321,949.25

**Big Rivers Electric Corporation  
Monthly Billing Summary  
Other Sales  
October 2019**

1	October 2019 - Other Sales	MWH	REVENUE
2	<hr/>		
3	SPECIAL SALES - ENERGY		
4	KENERGY-DOMTAR COGEN	6,992	\$ 212,150.27
5	ADM INVESTOR SERVICES		\$ (9,132.00)
6	HENDERSON MUNICIPAL POWER & LIGHT		
7	MISO	109,492	\$ 2,932,966.02
8	NORTHEAST POWER		\$ 353,632.61
9	CITY OF OWENSBORO, KY		\$ 10,139.69
10	CITY OF WAYNE, NE		\$ 49,110.09
11	CITY OF WAKEFIELD, NE		\$ 53,458.86
12	KENTUCKY MUNICIPAL ENERGY AGENCY	31,350.000	\$ 2,170,869.50
13	<hr/>		
14	TOTAL SPECIAL SALES - ENERGY	147,834	\$ 5,773,195.04
15	<hr/>		
16	SPECIAL SALES - BILATERAL		
17	MACQUARIE ENERGY		\$ 475,640.00
18	BP ENERGY		\$ 468,120.00
19	EDF TRADING NORTH AMERICA		\$ 631,120.00
20	NEXTERA ENERGY POWER MARKETING		\$ 1,588,000.00
21	MISO - CONTRA REVENUE		\$ (3,875,021.55)
22	MORGAN STANLEY CAPITAL GROUP		\$ 1,271,440.00
23	<hr/>		
24	TOTAL SPECIAL SALES - BILATERAL		\$ 559,298.45
25	<hr/>		

**Big Rivers Electric Corporation  
 Monthly Billing Summary  
 Other Sales  
 October 2019**

1	October 2019 - Other Sales	MWH	REVENUE
2	<hr/>		
3	SPECIAL SALES - CAPACITY		
4	CITY OF HANNIBAL, MO - CAPACITY SALES		\$ 62,500.00
5	CITY OF KAHOKA, MO - CAPACITY SALES		\$ 500.00
6	CITY OF CALIFORNIA, MO - CAPACITY SALES		\$ 29,500.00
7	CITY OF CENTRALIA, MO - CAPACITY SALES		\$ 24,250.00
8	CITY OF MARCELINE, MO - CAPACITY SALES		\$ 7,750.00
9	DTE ENERGY TRADING - CAPACITY SALES		\$ 285,047.00
10	MISO - CAPACITY SALES		\$ (1,158.78)
11	NEXTERA ENERGY POWER MARKETING - CAPACITY SALES		\$ 318,500.00
12		<hr/>	<hr/>
13	TOTAL SPECIAL SALES - CAPACITY		\$ 726,888.22
14		<hr/>	<hr/>
15	TOTAL	<u>147,834</u>	<u>\$ 7,059,381.71</u>

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

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 system.*

6

7 **Response)**

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

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

**BIG RIVERS ELECTRIC CORPORATION**

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**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

1 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 **Witnesses)** Natalie R. Hankins (*a. only*) and

6 Jennifer M. Stone (*b. only*)

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

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. As noted in the  
6 response to Item 11b., Big Rivers currently plans to retire Coleman Station and Reid  
7 Unit 1 in the coming months.<sup>2</sup>

8

9

10 **Witness)** Ronald D. Gregory

11

---

<sup>2</sup> *Ibid.*

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Reid Station Unit #1 - Coal - 65MW Net**  
 May 1, 2019, through October 31, 2019

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 2019		No Outages							
June 2019		No Outages							
July 2019		No Outages							
August 2019		No Outages							
September 2019		No Outages							
October 2019		No Outages							

Reid Unit #1 was idled on  
 April 1, 2016, and  
 has not yet been restarted.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Reid Station Unit #2 - Combustion Turbine - Oil/Gas - 65MW Net**  
 May 1, 2019, through October 31, 2019

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 2019	F			5/1/2019 8:53	5/1/2019 9:58	1:05	1:05		Unit failed to start, due to an issue with the seal oil drain switch.
	S, A	5/31/2019 06:00	5/31/2019 18:00	5/31/2019 6:00	5/31/2019 18:05	12:00	12:05		Maintenance Outage to repair the auxiliary compartment vent fan that had been causing high lube oil temperatures.
June 2019		No Outages							
July 2019		No Outages							
August 2019		No Outages							
September 2019	F			9/9/2019 15:45	9/9/2019 16:51	1:06	1:06		Unit failed to start, due to faulty signal in CT buss ground alarm due to bad signal.
	F			9/11/2019 18:07	9/11/2019 19:25	1:18	1:18		Unit tripped due to high bearing header temperature, because of power loss to cooling tower pumps.
October 2019	F			10/12/2019 20:24	10/12/2019 20:50	0:26	0:26		Unit tripped due to flame out while in service which resulted in an immediate trip.
	F			10/13/2019 16:32	10/13/2019 18:29	1:57	1:57		Unit tripped due to IO module failure from fuse blown in the control cabinet.
	F			10/17/2019 6:28	10/17/2019 6:46	0:18	0:18		Unit failed to start, due to Compressor bleed valve in wrong position during startup.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Henderson Station Two - Unit #1 - Coal - 153MW Net**  
 May 1, 2019, through October 31, 2019

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 2019		No Outages							
June 2019		No Outages							
July 2019		No Outages							
August 2019		No Outages							
September 2019		No Outages							
October 2019		No Outages							

Henderson Station Two - Unit #1  
 was retired Feb 1, 2019.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Henderson Station Two - Unit #2 - Coal - 159MW Net**  
 May 1, 2019, through October 31, 2019

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 2019		No Outages							
June 2019		No Outages							
July 2019		No Outages							
August 2019		No Outages							
September 2019		No Outages							
October 2019		No Outages							

Henderson Station Two - Unit #2  
 was retired Feb 1, 2019.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Green Station Unit #1 - Coal - 231MW Net**  
 May 1, 2019, through October 31, 2019

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 2019	F			5/1/2019 8:12	5/2/2019 22:10	37:58		37:58	The unit was taken offline to repair a leak in the leading edge tube in the 30th tube from the east boiler wall in the intermediate reheat section at elevation 600'.
	F			5/16/2019 20:34	5/17/2019 1:44	5:10		5:10	Unit tripped by the 86G2 relay - voltage high, due to a voltage swing in the substation.
June 2019	F			6/24/2019 12:33	6/26/2019 6:18	41:45		41:45	The unit was taken offline to repair a reheat tube leak in the 21st leading edge tube from the east boiler wall -at elevation 595'.
	F			6/27/2019 22:30	7/1/2019 0:00	73:30		73:30	The unit was taken offline to repair a Secondary Superheater (SSH) tube that ruptured and damaged 10 other SSH tubes and 1 Reheat tube.
July 2019	F			7/1/2019 0:00	7/1/2019 11:55	11:55		11:55	The outage started in June and continued into July, to repair a Secondary Superheater (SSH) tube that ruptured and damaged 10 other SSH tubes and 1 Reheat tube.
	F			7/25/2019 9:59	7/27/2019 3:23	41:24		41:24	Unit tripped on high furnace pressure, due to roof tube leak.
August 2019	S, A	8/29/2019 07:00	8/29/2019 21:00	8/29/2019 7:00	8/29/2019 20:56	14:00		13:56	Maintenance Outage to repair the FGD system 1A reaction tank agitator gearbox.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Green Station Unit #1 - Coal - 231MW Net**  
 May 1, 2019, through October 31, 2019

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				
September 2019	F			9/2/2019 2:44	9/2/2019 3:10	0:26	0:26		Unit tripped due to high drum level, when D mill tripped and resulted in drum level swing.
	F			9/7/2019 15:53	9/9/2019 1:10	33:17	33:17		The unit was taken offline to repair a reheat outlet tube leak in the leading edge tube, 26th from the east boiler wall at elevation 600'.
	F			9/23/2019 9:07	9/25/2019 1:00	39:53	39:53		The unit was taken offline to repair a waterwall tube leak in the east boiler wall at elevation 613'.
October 2019	F			10/22/2019 11:30	10/22/2019 16:36	5:06	5:06		Upon boiler hydrostatic test, while on Reserve Standby status, a pinhole leak was discovered in the primary superheater 45th tube from the east wall at approximately elevation 580'.
	S, A	10/26/2019 00:00	11/1/2019 0:00	10/25/2019 23:17	11/1/2019 0:00	144:00		144:43	Planned outage

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Green Station Unit #2 - Coal - 223MW Net**  
 May 1, 2019, through October 31, 2019

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 2019		No Outages							
June 2019	F			6/10/2019 14:22	6/10/2019 19:50		5:28	5:28	Unit tripped on high vacuum due to failure of an expansion joint, internal to the Condenser and at full load the additional steam loading overcame the ability of the Condenser Air Exhausters (Vacuum Pumps) to maintain Condenser Vacuum.
	F			6/10/2019 19:52	6/10/2019 20:07		0:15	0:15	Unit tripped on NO load during startup, due to the operator not raising load quickly enough to satisfy the trip limit.
July 2019	F			7/17/2019 1:10	7/17/2019 12:34		11:24	11:24	The unit tripped on high drum level, when the lefthand side governor valve rapidly opened and closed due to a controls issue and resulted a swing in drum level.
August 2019	S, A	8/23/2019 14:00	8/28/2019 0:00	8/23/2019 14:15	8/28/2019 0:01	106:00		105:46	Maintenance Outage to repair the #3 heater bleed steam expansion joint inside the condenser hotwell.
September 2019	F			9/10/2019 16:34	9/11/2019 4:38			12:04	Unit was removed from service due to the turbine emergency trip system interface diaphragm failure. The interface diaphragm leaked operating oil pressure due to a failed pressure diaphragm located inside of a Fisher Control Valve.
	F			9/12/2019 4:25	9/12/2019 19:06			14:41	Unit was removed from service due to the turbine emergency trip system interface diaphragm failure. The interface diaphragm leaked operating oil pressure due to a failed pressure diaphragm located inside of a Fisher Control Valve.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Green Station Unit #2 - Coal - 223MW Net**  
 May 1, 2019, through October 31, 2019

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				
September 2019	F			9/12/2019 19:06	9/12/2019 21:24			2:18	Unit tripped during start up, due to the boiler trip relay not reset.
	S, A	9/26/2019 00:00	9/28/2019 14:00	9/26/2019 1:42	9/28/2019 14:00	62:00		60:18	Maintenance Outage to repair a leak in the B air heater expansion joint.
	F			9/28/2019 22:16	9/28/2019 22:45			0:29	Unit tripped on NO load during startup, due to the operator not raising load quickly enough to satisfy the trip limit.
	F			9/28/2019 22:47	9/29/2019 2:12			3:25	Unit tripped on NO load during startup, due to the operator not raising load quickly enough to satisfy the trip limit.
October 2019	F			10/23/2019 0:46	10/23/2019 1:24			0:38	Relays contacts wired in accordance with the original prints, but were reversed in relation to the Burner Management System logic.
	F			10/23/2019 1:25	10/23/2019 3:39			2:14	Relays contacts wired in accordance with the original prints, but were reversed in relation to the Burner Management System logic.
	F			10/23/2019 3:41	10/23/2019 9:13			5:32	Relays contacts wired in accordance with the original prints, but were reversed in relation to the Burner Management System logic.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Coleman Station Unit #1 - Coal - 150MW Net**  
 May 1, 2019, through October 31, 2019

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 2019		No Outages							
June 2019		No Outages							
July 2019		No Outages							
August 2019		No Outages							
September 2019		No Outages							
October 2019		No Outages							

Coleman Unit #1 was idled on  
 May 1, 2014, and  
 has not yet been returned to service.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Coleman Station Unit #2 - Coal - 138MW Net**  
 May 1, 2019, through October 31, 2019

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 2019		No Outages							
June 2019		No Outages							
July 2019		No Outages							
August 2019		No Outages							
September 2019		No Outages							
October 2019		No Outages							

Coleman Unit #2 was idled on  
 May 1, 2014, and  
 has not yet been returned to service.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Coleman Station Unit #3 - Coal - 155MW Net**  
 May 1, 2019, through October 31, 2019

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 2019		No Outages							
June 2019		No Outages							
July 2019		No Outages							
August 2019		No Outages							
September 2019		No Outages							
October 2019		No Outages							

Coleman Unit #3 was idled on  
 May 8, 2014, and  
 has not yet been returned to service.

**Big Rivers Electric Corporation**  
**Scheduled ("S"), Actual ("A"), and Forced ("F") Outages**  
**May 1, 2019, through October 31, 2019**

Big Rivers Electric Corporation  
**Wilson Station - Unit #1 - Coal - 417MW Net**  
 May 1, 2019, through October 31, 2019

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 2019		No Outages							
June 2019		No Outages							
July 2019	F			7/6/2019 5:20	7/6/2019 14:12	8:52	8:52	Unit was removed from service, due to high exit gas temperature when MCC12B12 tripped and took out the feed to the secondary airheater drive and the back up air drive motor failed.	
August 2019	F			8/8/2019 15:11	8/13/2019 22:25	127:14	127:14	Unit was removed from service to repair a tube leak in the "A" Platen Superheat section the 6th bundle from the west side of the boiler.	
September 2019	F			9/22/2019 14:00	9/22/2019 20:48	6:48	6:48	The unit tripped, due to a fault in the 51NAT11 electrical relay that resulted in turbine trip.	
October 2019	F			10/1/2019 23:59	10/2/2019 14:23	14:24	14:24	Leak in 2nd Stage West Superheat spray South sensing line.	
	F			10/8/2019 7:26	10/8/2019 15:30	8:04	8:04	Auxillary Transformer AT-11 "B" Bus had a loose connection at the S.W. corner, where the bus work bolted together. The loose connection caused the bus to overheat and fail.	
	F			10/10/2019 0:02	10/10/2019 1:17	1:15	1:15	Emergency Trip System boiler control trip for unknown reason.	
	F			10/22/2019 9:26	10/22/2019 21:39	12:13	12:13	Leak in 2nd Stage West Superheat spray North sensing line.	

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

1 **Item 16)** *For the period under review, provide the monthly capacity factor*  
2 *at which each generating unit operated.*

3

4 **Response)** Please see the table and the footnotes on following pages.

5

6

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission’s Request for Information  
dated February 11, 2020**

**February 25, 2020**

1

<b>Big Rivers Electric Corporation Monthly Capacity Factor by Generating Unit</b>							
<b>Generating Unit</b>	<b>Metric a</b>	<b>May 2019</b>	<b>June 2019</b>	<b>July 2019</b>	<b>Aug. 2019</b>	<b>Sept. 2019</b>	<b>Oct. 2019</b>
Station Two Unit # 1	GCF	Retired February 1, 2019					
	NCF						
Station Two Unit # 2	GCF	Retired February 1, 2019					
	NCF						
Reid Station Unit # 1 <sup>b</sup>	GCF	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	NCF	-2.5%	-2.4%	-2.4%	-2.3%	-2.3%	-2.3%
Reid Station Unit # 2 CT	GCF	1.1%	0.0%	0.3%	0.9%	1.1%	1.9%
	NCF	1.0%	-0.1%	0.2%	0.8%	1.0%	1.8%
Green Station Unit # 1	GCF	77.9%	63.9%	70.3%	64.4%	58.3%	40.1%
	NCF	76.1%	61.8%	68.4%	62.4%	56.0%	38.1%
Green Station Unit # 2	GCF	80.5%	71.0%	73.6%	50.9%	42.1%	25.9%
	NCF	78.7%	68.4%	71.1%	48.7%	40.1%	24.1%
Wilson Station Unit # 1	GCF	77.3%	89.6%	89.0%	72.4%	86.6%	44.1%
	NCF	77.0%	89.7%	88.9%	71.9%	86.5%	43.2%
Coleman Station Unit # 1 <sup>c</sup>	GCF	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	NCF	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
Coleman Station Unit # 2 <sup>c</sup>	GCF	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	NCF	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
Coleman Station Unit # 3 <sup>c</sup>	GCF	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	NCF	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%

2

**BIG RIVERS ELECTRIC CORPORATION**

**AN ELECTRONIC EXAMINATION OF THE APPLICATION OF THE FUEL  
ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
FROM MAY 1, 2019 THROUGH OCTOBER 31, 2019  
CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

1

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

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

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

**b.-**    Reid 1 was put in Idled Status effective April 1, 2016.

**c.-**    Coleman Station Units 1 and 2 were placed in Idled Status on May 1, 2014; Coleman  
Station Unit 3 was placed in Idled Status on May 8, 2014.

2

3

4 **Witness)**    Jason C. Burden

5

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**February 25, 2020**

1 **Item 17)**

2       **a. For the period under review, explain whether Big Rivers made any**  
3           **changes to its maintenance and operation practices or completed**  
4           **any specific generation efficiency improvements that affect fuel**  
5           **usage at Big Rivers' generation facilities.**

6       **b. Describe the impact of these changes on Big Rivers' fuel usage.**

7

8 **Response)**

9       a. In the period under review, May 1, 2019, through October 31, 2019, Big  
10       Rivers has not made any changes to its maintenance and operation  
11       practices, or completed any specific generation efficiency improvements  
12       that affect fuel usage at Big Rivers' generation facilities.

13       b. Not Applicable.

14

15

16 **Witnesses)** Ronald D. Gregory (*a. only*) and

17           Jason C. Burden (*b. only*)

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CASE NO. 2020-00009**

**Response to Commission's Request for Information  
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**February 25, 2020**

1 **Item 18)**     *State whether Big Rivers is aware of any violations of its policies*  
2 *and procedures regarding fuel procurement that occurred prior to or during*  
3 *the period under review.*

4

5 **Response)** Big Rivers is unaware of any violations of its policies and procedures  
6 regarding fuel procurement that occurred during the period May 1, 2019, through  
7 October 31, 2019. Big Rivers is also unaware of any unreported violation prior to the  
8 current period under review.

9

10

11 **Witness)**     Mark W. McAdams

12

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CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

1 **Item 19)** *State whether Big Rivers is aware of any violations of 807 KAR*

2 *5:056 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)** Jennifer M. Stone

9

**BIG RIVERS ELECTRIC CORPORATION**

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ADJUSTMENT CLAUSE OF BIG RIVERS ELECTRIC CORPORATION  
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CASE NO. 2020-00009**

**Response to Commission's Request for Information  
dated February 11, 2020**

**February 25, 2020**

1 **Item 20)** *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)** Mark W. McAdams

10