



Big Rivers Electric Corporation
710 West 2nd Street
Owensboro, KY 42301
www.bigrivers.com

July 08, 2024

Executive Director
Kentucky Public Service Commission
Attention: Linda Bridwell
211 Sower Boulevard
Frankfort, KY 40602

RECEIVED

JUL 09 2024

PUBLIC SERVICE
COMMISSION

RE: Big Rivers Electric Corporation
Fuel Adjustment Clause (FAC)
Form B Support for Expense Month May 2024

Dear Executive Director:

Enclosed is Big Rivers' Form B in support of the FAC filing for the month ending May 31, 2024.

This Form B is being filed in compliance of providing support for the FAC filing within 45 days after the expense month.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

A handwritten signature in blue ink that reads "Katie Cheatham".

Katie Cheatham
Manager Accounting

Enclosure

c: Ms. Talina Mathews, Chief Financial Officer
Mr. Greg Grissom, Jackson Purchase Energy Corporation
Mr. Timothy Lindahl, Kenergy Corp.
Mr. Marty Littrel, Meade County RECC
Mr. Tyson Kamuf, Esq., General Counsel

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: May 31, 2024

	<u>Fuel</u> <u>Coal</u>		Per Unit	Tons	Per Unit
	Amount	MMBTU			
<i>HMP&L Station Two</i>					
Beginning Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
Purchases	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Transfer to Green Station	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Sub-total	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Less Fuel Burned City of Henderson Shortfall	<u>0.00</u>	<u>0.00</u>	<u>0.0000 ¢</u>	<u>0.00</u>	<u>\$0.0000</u>
Ending Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
<i>Green</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
Purchases (1)	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Sub-total	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Less Fuel Burned	0.00	0.00	0.0000	0.00	\$0.0000
Inventory Write-Off	<u>-</u>	<u>-</u>	0.0000	<u>-</u>	\$0.0000
Ending Inventory	\$0.00	\$0.00	0.0000 ¢	0.00	\$0.0000
<i>Wilson</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$43,244,812.96	20,692,375.35	208.9891 ¢	896,380.18	\$48.2438
Purchases (1)	<u>3,317,096.05</u>	<u>1,542,072.90</u>	215.1063 ¢	<u>64,613.56</u>	\$51.3375
Sub-total	46,561,909.01	22,234,448.25	209.4134 ¢	960,993.74	\$48.4518
Less Fuel Burned	6,006,450.76	2,868,226.88	209.4134 ¢	123,967.46	\$48.4518
Physical Inventory Adjustment	<u>-</u>	<u>-</u>	0.0000	<u>-</u>	\$0.0000
Ending Inventory	\$40,555,458.25	19,366,221.37	209.4134 ¢	837,026.28	\$48.4518
<i>Coal in Transit</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Coal In Transit (2)	<u>78,203.59</u>	<u>36,073.78</u>	216.7879 ¢	<u>1,566.11</u>	\$49.9349
Total Combined Inventory	<u>\$40,633,661.84</u>	<u>19,402,295.15</u>	209.4271 ¢	<u>838,592.39</u>	\$48.4546

Footnotes:

(1) There was no repair invoices in May 2024. Freight charges are allocated on tons unloaded during the current month to the stations. The freight cost for May 2024 for Wilson Station was \$7.266616261 per ton.

(2) Coal in-transit consists of coal purchased and owned by BREC that has not yet arrived at the plant and been unloaded. The coal in transit at the end of May 2024 was 1,566.11 tons for Wilson Station.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: May 31, 2024

Fuel Pet Coke

Green

	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
Purchases	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Adjustments	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Sub-total	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Less Fuel Burned	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Ending Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000

Wilson

	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$49.8380
Purchases	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Adjustments	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Sub-total	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Less Fuel Burned	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Ending Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000

Pet Coke in Transit

	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Pet Coke in Transit	<u>\$0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Total Combined Inventory	<u><u>\$0.00</u></u>	<u><u>0.00</u></u>	0.0000 ¢	<u><u>0.00</u></u>	\$0.0000

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid CT, HMP&L Station Two

Month Ended: May 31, 2024

Fuel No. 2 Fuel Oil

Reid Combustion Turbine

	Units (Gal.)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	¢
Purchases	0.00	0.00	0.0000	¢
Adjustments(1)	0.00	0.00	0.0000	¢
Sub-Total	0.00	0.00	0.0000	¢
Transfers Out - CT Tanks(2)	0.00	0.00	0.0000	¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	0.00	0.00	0.0000	¢
	0.00	\$0.00	0.0000	¢

Reid/Station Two

	Units (Gal.)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	¢
Adjustment	0.00	0.00	0.0000	¢
Purchases	0.00	0.00	0.0000	¢
Transfers In - CT Tanks(3)	0.00	0.00	0.0000	¢
Sub-Total	0.00	0.00	0.0000	¢
Other Uses	0.00	0.00	0.0000	¢
	0.00	0.00	0.0000	¢
Less Fuel Burned-Jurisdictional	0.00	0.00	0.0000	¢
Less Fuel Transfer to Green Station (4) Non-Jurisdictional	0.00	0.00	0.0000	¢
Ending Inventory	0.00	\$0.00	0.0000	¢

Footnotes:

- (1) True-up of Book to Physical Measurement for May 2024.
- (2) Transfer out of fuel oil from Reid Combustion Turbine to Wilson Station May 2024.
- (3) There was no transfer of fuel oil from the Reid Combustion Turbine to the Reid/Station Two 50k fuel oil tank.
- (4) Transfer of fuel oil from the Reid/Station Two 50k fuel oil tank to the Green tank.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid, Green and Wilson

Month Ended: May 31, 2024

Fuel No. 2 Fuel Oil

Green

	Units (Gal.)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	¢
Purchases	0.00	0.00	0.0000	¢
Transfers In - CT Tanks	0.00	0.00	0.0000	¢
Sub-Total	0.00	0.00	0.0000	¢
Transfer Out - Wilson Tank (1)	0.00	0.00	0.0000	¢
Ending Inventory	0.00	\$0.00	0.0000	¢

Wilson

	Units (Gal.)	Amount	Amount Per Unit	
Beginning Inventory	217,987.83	\$619,111.13	284.0118	¢
Transfer In (2)	0.00	0.00	0.0000	¢
Adjustments (3)	0.00	0.00	0.0000	¢
Purchases	0.00	0.00	0.0000	¢
Sub-Total	217,987.83	619,111.13	284.0118	¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	86,328.54	245,183.23	284.0118	¢
Ending Inventory	131,659.29	373,927.90	284.0118	¢

Reid/Green - Coal Handling

	Units (Gal.)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	¢
Adjustments	0.00	0.00	0.0000	¢
Purchases	0.00	0.00	0.0000	¢
Sub-Total	0.00	0.00	0.0000	¢
Less: Fuel Burned	0.00	0.00	0.0000	¢
Ending Inventory	0.00	\$0.00	0.0000	¢
Total Combined Inventory	131,659.29	\$373,927.90	284.0118	¢

Footnotes:

- (1) There was no transfer of fuel oil from Reid Combustion Turbine fuel oil tank to Wilson Station May 2024.
- (2) Transfer in of fuel oil from Combustion Turbine tank and the Green Station fuel oil tank to the Wilson Station fuel oil tank May 2024.
- (3) True-up of Book to Physical Measurement for May 2024.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid Combustion Turbine

Month Ended: May 31, 2024

Fuel: Natural Gas

Reid Combustion Turbine

	Units (MMBtu)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	MMBtu
Purchases (1)	66,428.00	158,523.46	2.3864	MMBtu
Purchase Adjustment (2)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>66,428.00</u>	<u>158,523.46</u>	2.3864	MMBtu
Less Payback to BREC/Texas Gas	0.00	0.00	0.0000	MMBtu
Sales Tax Adjustment	0.00	0.00	0.0000	MMBtu
Less Fuel Burned (1)	66,428.00	158,523.46	2.3864	MMBtu
Ending Inventory	<u>0.00</u>	<u>\$0.00</u>	0.0000	MMBtu

Green Unit 1 & Unit 2

	Units (MMBtu)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	MMBtu
Purchases (3)	1,646,488.00	3,929,153.42	2.3864	MMBtu
Purchase Adjustment (4)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>1,646,488.00</u>	<u>3,929,153.42</u>	2.3864	MMBtu
Less Payback to BREC/Texas Gas	0.00	0.00	0.0000	MMBtu
Sales Tax Adjustment	0.00	0.00	0.0000	MMBtu
Less Fuel Burned (3)	1,646,488.00	3,929,153.42	2.3864	MMBtu
Ending Inventory	<u>0.00</u>	<u>\$0.00</u>	0.0000	MMBtu

Footnotes:

- (1) BREC purchased and used 66,428 MMBtu for the Reid CT in May 2024.
- (2) There was no purchase adjustments for the Reid CT in May 2024.
- (3) BREC purchased 1,646,488 MMBtu for Green Unit 1 & 2 in May 2024.
- (4) There was no purchase adjustments for Green Unit 1 & 2 in May 2024.

POWER TRANSACTION SCHEDULE

Company: BIG RIVERS ELECTRIC CORPORATION

	Company	Purpose	System Average(\$)	Type of Transaction	Billing Components				
					Kwh	Demand/Capacity(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)
Purchases	MISO	Available for system		Non-Displacement	91,440,062	\$0	\$2,456,427	\$13,595	\$2,470,022
	KY National Guard	Available for system		Non-Displacement	5,236	\$0	\$0	\$152	\$152
	Southern Star	Available for system		Non-Displacement	70,496	\$0	\$0	\$2,548	\$2,548
	SEPA	Available for system		Non-Displacement	27,679,000	\$748,233	\$0	\$0	\$748,233
SUB-TOTAL(1)		Net Energy Cost - Economy Purchases			119,194,794	\$748,233	\$2,456,427	\$16,295	\$3,220,956
	MISO	Scheduled Outages:		Non-Displacement	0	\$0	\$0	\$0	\$0
Footnote 1	MISO	Domtar Purchases		Non-Displacement	679,998	\$0	\$18,267	\$10,608	\$28,876
	MISO-Paducah	Blockware		Non-Displacement	16,385,755	\$0	\$440,184	\$20,982	\$461,165
	MISO	Intersystem Sale		Non-Displacement	9,838,000	\$0	\$264,286	\$78,944	\$343,230
	MISO	Cover Load & Lack of Generation		Non-Displacement	19,624,487	\$0	\$527,188	\$627,065	\$1,154,254
	Various	Capacity Purchases		Non-Displacement	0	\$483,750	\$0	\$0	\$483,750
SUB-Total(2)		Identifiable fuel cost (Total Other Purchases)			46,528,240	\$483,750	\$1,249,925	\$737,600	\$2,471,275
	MISO	Purchases for Forced Outages (> 6 hrs.):		Non-Displacement	20,800,650	\$0	\$558,784	(\$21,512)	\$537,272
SUB-TOTAL(3)		Identifiable fuel cost (substitute for Forced Outage)			20,800,650	\$0	\$558,784	(\$21,512)	\$537,272
					186,523,684	\$1,231,983	\$4,265,137	\$732,383	\$6,229,503
LESS: PURCHASED FOR SUPPLEMENTAL OR BACKUP SALES					0	\$0	\$0	\$0	\$0.00
TOTAL(4)		Total Purchased Power			186,523,684	\$1,231,983	\$4,265,137	\$732,383	\$6,229,503
Sales									
		Purchased Power:							
Footnote 2		DTE/EDF/NextEra/Morgan Stanley Indiana Hub(BTB)	\$26.864(System Average)	MISO (BTB)	9,838,000	\$0	\$264,286	\$36,913	\$301,199
SUB-TOTAL(1)					9,838,000	\$0	\$264,286	\$36,913	\$301,199
		Generation:							
Footnote 2	MISO:	BREC	\$26.864(System Average)	Coal-Petcoke Fired	257,040,276	\$0	\$6,905,078	\$2,901,849	\$9,806,927
Footnote 2	HMP&L	BREC	\$26.864(System Average)	Coal-Petcoke Fired	0	\$0	\$0	\$460	\$460
SUB-TOTAL(2)					257,040,276	\$0	\$6,905,078	\$2,902,309	\$9,807,387
LOSSES ACROSS OTHER SYSTEMS(NOT BILLED) (Footnote 3)					12,767,762	\$0	\$0	\$0	\$0
TOTAL(3)					279,646,038	\$0	\$7,169,364	\$2,939,222	\$10,108,586
		Interchange In			387,854,026	\$0	\$0	\$0	\$0
		Interchange Out			380,541,211	\$0	\$0	\$0	\$0
		Net Interchange			7,312,815	\$0	\$0	\$0	\$0

Footnotes:

Footnote 1: All Back-to-Back sales and purchases flowed through the MISO Indiana Hub and were netted. Therefore, there were no volume sales or purchases. The financial net BTB was \$0 and is shown as other charges under the purchased power section of sales.

Footnote 2: Fuel costs on both purchases and inter-system sales are based on BREC system weighted average of \$28.864 mills. There was a true-up of total energy dollars of (\$46,224.15) in May 2024 from the S55 March 2024. resettlement. There was no impact to volume from the true-up made in May 2024 for March 2024 S55 resettlement. HMP&L was also invoiced \$459.63 for Auxiliary Power for May 2024.

Footnote 3: The calculated line losses for May 2024 activity was 12,767,762.

Light Blue - Net Energy Cost - Economy Purchases

Yellow - Identifiable fuel cost - Other Purchases

Green - Identifiable fuel cost - Forced Outage Purchases

BIG RIVERS ELECTRIC CORPORATION
PURCHASES
May 31, 2024

Form B

DATE	HE	MWh	PRICE	TOTAL Cost	Executi on	Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit		
5/1-5/31		679.998	\$ 42.464	\$ 28,875.76		Domtar	Back-Up Power	\$ 38.492	\$ 3.972	\$ 2,701.22		
		679.998	\$	\$ 28,875.76			Back-Up Power Total			\$ 2,701.22		
5/1-5/31		-	\$ -	\$ -		SIPC	Cong/Loss Rebates	\$ 38.492	\$ -	\$ -		
5/1-5/31		-	\$ -	\$ -		AECI	Cong/Loss Rebates	\$ 38.492	\$ -	\$ -		
		-	\$	\$ -			Cong/Loss Rebates Total			\$ -		
5/1-5/31		-	\$ -	\$ -		SIPC	DA RSG	\$ 38.492	\$ -	\$ -		
5/1-5/31		-	\$ -	\$ -		AECI	DA RSG	\$ 38.492	\$ -	\$ -		
		-	\$	\$ -			DA RSG Total			\$ -		
5/1-5/31		-	\$ -	\$ -		AECI	DA/RT Settle Adj	\$ 38.492	\$ -	\$ -		
		-	\$	\$ -			DA/RT Settle Adj Total			\$ -		
5/1	HE 1-10,12-13	1,578.000	\$ 20.687	\$ 32,644.52	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/1	HE 9-14	939.015	\$ 23.503	\$ 22,069.74	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/2	HE 1-5	170.100	\$ 20.356	\$ 3,462.55	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/2	HE 6-9, 11-15, 21-22	1,739.116	\$ 24.612	\$ 42,803.89	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/3	HE 2-4	74.700	\$ 20.183	\$ 1,507.70	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/3	HE 1, 5-24	5,407.593	\$ 23.200	\$ 125,457.97	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/4	HE1-6, 8	85.200	\$ 20.864	\$ 1,777.61	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/4	HE 2-19,22-24	2,947.747	\$ 23.502	\$ 69,278.32	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/5	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/5	HE 1-24	3,599.778	\$ 21.118	\$ 76,020.45	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/6	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/6	HE 1-14,16-18,22-24	2,140.738	\$ 21.387	\$ 45,783.29	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/7	HE3-4	22.400	\$ 33.014	\$ 739.52	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/7	HE 3,5-6,8-11,13,15,18-19,22-23	1,394.214	\$ 27.895	\$ 38,891.99	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/8	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/8	HE 4-24	6,087.388	\$ 21.842	\$ 132,958.74	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/9	HE 2-4,20	155.800	\$ 29.044	\$ 4,525.05	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/9	HE 6-19,23	1,951.017	\$ 23.569	\$ 45,982.95	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/10	HE 3,7-14,22,24	565.000	\$ 30.414	\$ 17,184.15	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/10	HE 1-5,7,13-23	513.363	\$ 19.362	\$ 9,939.98	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/11	HE 1-5,12-18,23	1,392.200	\$ 22.719	\$ 31,629.60	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/11	HE 6-11,18-19,22-23	655.583	\$ 19.073	\$ 12,504.23	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/12	HE 1-9,11-18,22-23	1,377.000	\$ 21.910	\$ 30,169.84	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/12	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/13	HE 2-4	136.700	\$ 20.021	\$ 2,736.91	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/13	HE 7-8, 23-24	314.745	\$ 25.387	\$ 7,990.30	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/14	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/14	HE 5-10, 12-13,16-19,21	1,000.545	\$ 29.526	\$ 29,541.64	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/15	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/15	HE 7,9-20,22-24	2,036.639	\$ 26.159	\$ 53,276.63	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/16	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/16	HE 4,7-13,16-19,23-24	1,573.370	\$ 27.736	\$ 43,639.02	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/17	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/17	HE 1-8,10-13,15,17-24	3,314.434	\$ 27.375	\$ 90,731.63	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/18	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/18	HE 6-10,12-13,16-18,20-24	2,487.767	\$ 27.542	\$ 68,517.70	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/19	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/19	HE 1-5,8,12-13,16-17,23	964.916	\$ 27.091	\$ 26,140.88	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/20	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/20	HE 1-2,5-12,14,20-24	2,070.285	\$ 30.265	\$ 62,657.74	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/21	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/21	HE 1-6,8-9,12-13, 21-24	3,426.914	\$ 23.297	\$ 79,836.13	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -
5/22	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 38.492	\$ -	\$ -
5/22	HE 1-3,5-12,14,17-20,22,24	2,849.027	\$ 26.727	\$ 76,147.26	Buy	Power	Real Time	MISO	Economic	\$ 38.492	\$ -	\$ -

(3)

BIG RIVERS ELECTRIC CORPORATION
PURCHASES
May 31, 2024

Form B

DATE	HE	MWh	PRICE	TOTAL Cost	Executi on	Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit	
5/23	HE	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/23	HE 1,5,7-8,10-12,14-15,18,20-1;	2,355.470	\$ 26.616	\$ 62,692.11	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/24	HE	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/24	HE 1-6,8-9,11-14,17-21,23-24	3,190.171	\$ 24.591	\$ 78,450.52	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/25	HE 1-8,10-15,21-24	2,513.700	\$ 28.229	\$ 70,958.12	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/25	HE 2-3,6-7,9-23	1,136.232	\$ 22.474	\$ 25,536.07	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/26	HE 1-24	2,666.400	\$ 28.197	\$ 75,184.60	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/26	HE 1-10, 19-24	3,024.568	\$ 21.072	\$ 63,734.55	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/27	HE 1-24	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/27	HE 1-8,11-16,19-21,23-24	5,692.272	\$ 21.648	\$ 123,227.20	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/28	HE 1-12, 21-24	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/28	HE 1-3,8,10-11,18,20-21,23	-	\$ -	\$ -	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/29	HE 1-6,10-24	10,185.000	\$ 28.519	\$ 290,462.37	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/29	HE	-	\$ -	\$ -	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/30	HE1-5, 12-13,15-17, 19-20, 22-24	1,244.300	\$ 25.680	\$ 31,953.49	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/30	HE 1-23	2,587.556	\$ 18.153	\$ 46,972.28	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/31	HE 1-6,9-24	2,159.000	\$ 24.671	\$ 53,265.22	Buy	Power	Day Ahead MISO	Economic	\$ 38.492	\$ -	\$ -
5/31	HE 1-18,20-23	1,714.099	\$ 18.642	\$ 31,954.01	Buy	Power	Real Time MISO	Economic	\$ 38.492	\$ -	\$ -
5/1-5/31		17,600.000	\$ 49.800	\$ 876,480.00	Buy	Hedge	AEP Energy Partn	Economic	\$ 38.492	\$ 11.308	\$ 199,019.45
5/1-5/31		(17,600.000)	\$ 40.134	\$ (706,357.00)	Buy	Hedge	MISO Energy	Economic	\$ 38.492	\$ 1.642	\$ (28,896.45)
5/1-5/31		-	\$ -	\$ 58,960.71	Buy	Hedge	MISO Energy	Economic	\$ 38.492	\$ -	\$ -
		91,440.062	\$ -	\$ 2,470,022.18				Economic Total			\$ 170,123.00
5/1-5/31		-	\$ -	\$ -		AECI		MISO Energy Charges - AECI	\$ 38.492	\$ -	\$ -
		-	\$ -	\$ -				MISO Energy Charges - AECI Total			\$ -
5/1-5/31		16,385.755	\$ 28.144	\$ 461,165.23		PADUCAH1		MISO Energy Charges - PADUCAH1	\$ 38.492	\$ -	\$ -
		16,385.755	\$ -	\$ 461,165.23				MISO Energy Charges - PADUCAH1 Total			\$ -
5/1-5/31		3,601.000	\$ 33.152	\$ 119,381.71		SIPC		MISO Energy Charges - SIPC	\$ 38.492	\$ -	\$ -
		3,601.000	\$ -	\$ 119,381.71				MISO Energy Charges - SIPC Total			\$ -
5/1-5/31		-	\$ -	\$ -		PJM		PJM Fees (Transmission Only)	\$ 38.492	\$ -	\$ -
		-	\$ -	\$ -				PJM Fees (Transmission Only) Total			\$ -
5/20	HE 10-24	855.000	\$ 30.260	\$ 25,872.30	Buy	Power	Real Time MISO	RCT-24-32	\$ 38.492	\$ -	\$ -
5/21	HE 1-6,8-9,12-13, 21-24	616.000	\$ 23.300	\$ 14,352.80	Buy	Power	Real Time MISO	RCT-24-32	\$ 38.492	\$ -	\$ -
5/22	HE 1-3,5-12,14,17-20,22,24	616.000	\$ 26.720	\$ 16,459.52	Buy	Power	Real Time MISO	RCT-24-32	\$ 38.492	\$ -	\$ -
5/23	HE 1,5,7-8,10-12,14-15,18,20-1;	570.000	\$ 26.610	\$ 15,167.70	Buy	Power	Real Time MISO	RCT-24-32	\$ 38.492	\$ -	\$ -
5/24	HE 1-6,8-9,11-14,17-21,23-24	570.000	\$ 24.590	\$ 14,016.30	Buy	Power	Real Time MISO	RCT-24-32	\$ 38.492	\$ -	\$ -
		3,227.000	\$ -	\$ 85,868.62				RCT-24-32 Total (UO1 - FO>6)			\$ -
5/1-5/31		6,237.000	\$ 35.890	\$ 223,848.58		SIPC/AECI		SIPC/AECI GFA Transactions	\$ 38.492	\$ -	\$ -
		6,237.000	\$ -	\$ 223,848.58				SIPC/AECI GFA Transactions Total			\$ -
5/1	HE	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/1	HE	-	\$ -	\$ -	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/2	HE	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/2	HE 10	336.875	\$ 45.632	\$ 15,372.32	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 7.140	\$ 2,405.30
5/3	HE	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/3	HE	-	\$ -	\$ -	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/4	HE 7	4.500	\$ 45.136	\$ 203.11	Buy	Power	Day Ahead MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 6.643	\$ 29.90
5/4	HE 20	110.529	\$ 86.144	\$ 9,521.38	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 47.652	\$ 5,266.89
5/5	HE	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/5	HE	-	\$ -	\$ -	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/6	HE	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/6	HE 21	14.705	\$ 49.182	\$ 723.22	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 10.690	\$ 157.19
5/7	HE 2	7.400	\$ 41.634	\$ 308.09	Buy	Power	Day Ahead MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 3.142	\$ 23.25
5/7	HE 7,12,14,16-17,20-21,24	574.907	\$ 53.848	\$ 30,957.48	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 15.356	\$ 8,828.12
5/8	HE	-	\$ -	\$ -	Buy	Power	Day Ahead MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/8	HE 3	0.466	\$ 55.000	\$ 25.63	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 16.508	\$ 7.69

(1)

**BIG RIVERS ELECTRIC CORPORATION
PURCHASES
May 31, 2024**

Form B

DATE	HE	MWh	PRICE	TOTAL Cost	Executi on	Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit		
5/9	HE 21	23.000	\$ 80.068	\$ 1,841.57	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 41.576	\$ 956.25
5/9	HE 22,24	117.362	\$ 71.552	\$ 8,397.52	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 33.060	\$ 3,880.01
5/10	HE 1-2,6, 15-16,19-21, 23	208.000	\$ 46.773	\$ 9,728.72	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 8.281	\$ 1,722.37
5/10	HE 6	3.192	\$ 406.266	\$ 1,296.80	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 367.774	\$ 1,173.93
5/11	HE 19-22	117.000	\$ 45.297	\$ 5,299.72	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 6.805	\$ 796.15
5/11	HE 20-21	66.679	\$ 94.371	\$ 6,292.56	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 55.879	\$ 3,725.95
5/12	HE 19-21	126.000	\$ 46.955	\$ 5,916.34	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 8.463	\$ 1,066.34
5/12	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/13	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/13	HE 9-10	242.458	\$ 63.387	\$ 15,368.61	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 24.895	\$ 6,035.90
5/14	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/14	HE 11	99.267	\$ 39.542	\$ 3,925.24	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 1.050	\$ 104.25
5/15	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/15	HE 6,8	220.174	\$ 119.651	\$ 26,344.08	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 81.159	\$ 17,869.13
5/16	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/16	HE 14,22	46.084	\$ 86.619	\$ 3,991.77	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 48.127	\$ 2,217.90
5/17	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/17	HE 9,14	405.271	\$ 153.675	\$ 62,280.18	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 115.183	\$ 46,680.46
5/18	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/18	HE 11,14-15,19	692.418	\$ 45.580	\$ 31,560.47	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 7.088	\$ 4,907.86
5/19	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/19	HE 9-11,14,18-19	815.505	\$ 65.081	\$ 53,074.09	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 26.589	\$ 21,683.61
5/20	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/20	HE 13,15-19	403.098	\$ 131.519	\$ 53,015.05	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 93.027	\$ 37,498.97
5/21	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/21	HE 7,10-11,14-20	1,458.518	\$ 69.182	\$ 100,903.32	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 30.690	\$ 44,761.93
5/22	HE 4	4.200	\$ 409.598	\$ 1,720.31	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 371.106	\$ 1,558.64
5/22	HE 13,15-16,21,23	504.399	\$ 69.013	\$ 34,809.91	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 30.521	\$ 15,394.54
5/23	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/23	HE 6,9,13,16,19,22	1,155.580	\$ 56.900	\$ 65,752.63	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 18.408	\$ 21,271.96
5/24	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/24	HE 7,10,15-16,22	949.086	\$ 94.705	\$ 89,882.81	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 56.213	\$ 53,350.52
5/25	HE 9,16-20	1,397.000	\$ 43.075	\$ 60,176.26	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 4.583	\$ 6,402.83
5/25	HE 1	179.731	\$ 114.441	\$ 20,568.64	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 75.949	\$ 13,650.42
5/26	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/26	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/27	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/27	HE 9-10, 17-18,22	1,799.169	\$ 54.310	\$ 97,713.43	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 15.818	\$ 28,459.68
5/28	HE 13-20	5,239.000	\$ 43.202	\$ 226,333.90	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 4.710	\$ 24,673.91
5/28	HE 9,12-17,19	322.266	\$ 81.867	\$ 26,383.00	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 43.375	\$ 13,978.31
5/29	HE 7-9	1,680.000	\$ 41.171	\$ 69,167.52	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 2.679	\$ 4,500.83
5/29	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/30	HE 6,8-11, 18,21	283.000	\$ 51.401	\$ 14,546.57	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 12.909	\$ 3,653.31
5/30	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ -	\$ -
5/31	HE 8	17.000	\$ 47.856	\$ 813.55	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 9.364	\$ 159.18
5/31	HE 19	0.648	\$ 58.441	\$ 37.87	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 38.492	\$ 19.949	\$ 12.93
		19,624.487		\$ 1,154,253.67					To Cover Load and Lack of Generation Total			\$ 398,866.41 (4)
5/26	HE 18-24	1,790.000	\$ 31.838	\$ 56,989.16	Buy	Power	Real Time	MISO	W1-24-07	\$ 38.492	\$ -	\$ -
5/27	HE 1-24	5,812.600	\$ 23.567	\$ 136,983.59	Buy	Power	Day Ahead	MISO	W1-24-07	\$ 38.492	\$ -	\$ -
5/27	HE 13,17-20	100.600	\$ 34.810	\$ 3,501.91	Buy	Power	Real Time		W1-24-07	\$ 38.492	\$ -	\$ -
5/28	HE 1-12, 21-24	8,371.000	\$ 26.529	\$ 222,073.36	Buy	Power	Day Ahead	MISO	W1-24-07	\$ 38.492	\$ -	\$ -
5/28	HE 1-3,8,10-11,18,20-21,23	248.450	\$ 27.691	\$ 6,879.78	Buy	Power	Real Time	MISO	W1-24-07	\$ 38.492	\$ -	\$ -
5/29	HE 1-3	1,251.000	\$ 19.965	\$ 24,976.02	Buy	Power	Day Ahead	MISO	W1-24-07	\$ 38.492	\$ -	\$ -
		17,573.650		\$ 451,403.82					W1-24-07 Total (UO1 - FO#6)			\$ - (1)

BIG RIVERS ELECTRIC CORPORATION
PURCHASES
May 31, 2024

Form B

DATE	HE	MWh	PRICE	TOTAL Cost	Executi on	Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit	
		158,768.952		\$ 4,994,819.57	Grand Total						\$ 571,690.63
	Plus: SEPA	27,679.000	\$ 27.033	\$ 748,233.40							
	Plus: KY National Guard	5.236	\$ 29.116	\$ 152.45							
	Plus: Southern Star	70.496	\$ 36.141	\$ 2,547.77							
	Plus: Capacity Purchases	-	\$ -	\$ 483,750.00							
Total Purchased Power		186,523.684	\$ 92.29	\$ 6,229,503.19							

Recon to Nodal (S7):

Total MISO Purchased Power (Above):	158,768.952	\$ 4,994,819.57
Less: Purchases for Domtar Back-Up Power	679.998	\$ 28,875.76
Less: SIPC Charges	3,601.000	\$ 119,381.71
Less: SIPC GFA Transactions	6,237.000	\$ 223,848.58
Less: PJM Transactions	-	\$ -
Less: AECI Charges	-	\$ -
Less: Purchased Power Hedges	-	\$ 229,083.71
Total MISO Purchases Above (Excl. SIPC & Domtar):	148,250.954	\$ 4,393,629.81
Total MISO Purchased Power per S7 Nodal Report:	131,865.199	\$ 3,932,464.58
Total MISO Purchased Power per S7 Nodal Report:	16,373.573	\$ 461,165.23

(A) Total Purchases over Highest Cost Unit	\$ 571,690.63
(1) Purchases above Highest Cost Unit for Forced Outages > 6 hours	\$ -
(2) Purchases above Highest Cost Unit for B-T-B Purchases	\$ -
(3) Purchases above Highest Cost unit for Domtar Purchases	\$ 2,701.22
(4) Purchases above Highest Cost Unit for Outages < 6 hours economic purchases, Scheduled Outages & cover Load & lack of Gen.	\$ -
(5) Total Purchases above Highest Cost Unit (A)-(1) (For Form A Filing)	\$ 568,989.41

**BIG RIVERS ELECTRIC CORPORATION
FUEL BURNED**

MONTH OF **05/31/24**

	MONTH OF		Cost	Gross KWH	TRUE NET KWH	Mills/KWH
	TON/GAL/MCF					
Reid			\$ -	0	0	0.000
Coal	-	\$	-			
Oil	-	\$	-			
Gas Turbine			\$ 158,523.46	4,197,310	4,118,340	38.492
Oil	-	\$	-			
Gas	62,911.00	\$	158,523.46			
Wilson			\$ 6,251,633.99	278,146,900	258,014,040	24.230
Coal	123,967.46	\$	6,006,450.76			
PetCoke	-	\$	-			
Oil	86,328.54	\$	245,183.23			
H1 (net of city take)			\$ -	0	(29,886)	0.000
Coal	-	\$	-			
Oil	-	\$	-			
H2 (net of city take)			\$ -	0	(29,886)	0.000
Coal	-	\$	-			
Oil	-	\$	-			
Station Two			\$ -	0	(59,772)	0.000
Coal	-	\$	-			
Oil	-	\$	-			
G1			\$ 2,057,608.64	80,462,007	72,580,853	28.349
Coal	-	\$	-			
PetCoke	-	\$	-			
Gas	820,727.00	\$	2,057,608.64			
G2			\$ 1,871,544.78	70,303,885	62,933,498	29.738
Coal	-	\$	-			
PetCoke	-	\$	-			
Gas	750,367.00	\$	1,871,544.78			
Green			\$ 3,929,153.42	150,765,892	135,514,351	28.994
Coal	0.00	\$	-			
PetCoke	-	\$	-			
Gas	1,571,094.00	\$	3,929,153.42			
SYSTEM TOTAL			\$ 10,339,310.87	433,110,102	397,586,959	26.005
					12,767,762	
					384,819,197	26.868
					(59,772)	
					384,878,969	26.864
Coal		\$	6,006,450.76			
Pet Coke		\$	-			
Oil		\$	245,183.23			
Gas		\$	4,087,676.88			
		\$	10,339,310.87			

**Reid Combustion Turbine
May 31, 2024**

Form B

5/1/2024

Date	Service Hours	Net MWh	MCF	Gas Cost	Natural Gas Cost	Texas Gas Transportation	Total Cost	\$MWh
5/1/24	8.450		5,469.38					
5/2/24	10.680		6,292.16					
5/4/24	6.400		3,048.64					
5/6/24	16.300		9,212.93					
5/7/24	10.650		6,301.44					
5/8/24	7.650		2,946.75					
5/13/24	5.250		2,507.97					
5/16/24	9.780		5,204.03					
5/17/24	16.400		8,085.31					
5/18/24	6.500		3,448.70					
5/19/24	12.830		7,209.79					
5/20/24	0.210		763.46					
5/25/24			76.35					
5/26/24			50.30					
Average	111.10	4118.330	48,855.68	\$ 3.24	\$ 130,959.23	\$ 27,564.23	\$ 158,523.460	\$ 38.49

The Reid Combustion Turbine (CT) was placed in Automatic Dispatch System on May 1st, 2nd, 4th, 6th-8th, 13th, 16th-20th, 25th and 26th, 2024. MISO called upon the Reid CT 111.100 hours. The Reid CT was available 590.900 hours.

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF COAL PURCHASED FOR FUEL CLAUSE BACKUP
May 31, 2024**

STATION & SUPPLIER (a)	PBDU (b)	POCN (c)	MT (d)	Mine State Type Code	Tons Purchased (e)	BTU Per Lb. (f)	No. MMBTU Per Ton (g)	F.O.B. Mine		Transportation Cost		Delivered Cost		% SO2 (n)	% Ash (o)	% H2O (p)	
								\$ Per Ton (h)	¢ Per MMBTU (i)	\$ Per Ton (j)	¢ Per MMBTU (k)	\$ Per Ton (l)	¢ Per MMBTU (m)				
STATION NAME - Green																	
LONG TERM CONTRACT																	
Total Contract					-	-	-	-	-	-	-	-	-	-	-	-	-
SPOT CONTRACT																	
Total Spot					-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL GREEN STATION					-	-	-	-	-	-	-	-	-	-	-	-	
STATION NAME - Wilson																	
LONG TERM CONTRACT																	
Alliance - 989	P	22-002	B	S	WKY	29,454.43	11,510	678,062.47	46.2402	200.8633	7.2666	31.5655	53.5068	232.4288	2.95	9.04	11.86
American Consolidated Natural Resources - 1005	P	22-001	T	U	WKY	4,476.70	13,024	116,607.85	52.0506	199.8278	0.0000	0.0000	52.0506	199.8278	5.06	7.56	6.20
American Consolidated Natural Resources - 1109	P	22-001	T	U	WKY	16,845.70	12,954	436,450.94	52.2059	201.4991	0.0000	0.0000	52.2059	201.4991	1.89	8.09	6.07
Foresight Coal - 1111	P	24-001	T	U	WKY	13,836.73	11,236	310,951.64	45.4315	202.1612	0.0000	0.0000	45.4315	202.1612	2.98	8.64	13.58
Total Contract					64,613.56	11,933	1,542,072.90	48.0249	201.2267	3.3125	13.8796	51.3375	215.1063	2.83	8.60	10.33	
SPOT CONTRACT																	
Total Spot					0.00	-	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00	
TOTAL WILSON STATION					64,613.56	11,933	1,542,072.90	48.0249	201.2267	3.3125	13.8796	51.3375	215.1063	2.83	8.60	10.33	
TOTAL BIG RIVERS SYSTEM					64,613.56	11,933	1,542,072.90	48.0249	201.2267	3.3125	13.8796	51.3375	215.1063	2.83	8.60	10.33	

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
May 31, 2024**

STATION & SUPPLIER (a)	PBDU (b)	POCN (c)	MT (d)	State Code	Tons Purchased (e)	BTU Per Lb. (f)	No. MMBTU Per Ton (g)	F.O.B. Mine \$ Per Ton (h)	¢ Per MMBTU (i)	Transportation Cost \$ Per Ton (j)	¢ Per MMBTU (k)	Delivered Cost \$ Per Ton (l)	¢ Per MMBTU (m)	% SO2 (n)	% Ash (o)	% H2O (p)
STATION NAME - Green																
LONG TERM CONTRACT																
					0.00	0	0.00	N/A	N/A	Included	Included	0.0000	0.0000	0.00	0.00	0.00
Total Contract					0.00	0	0.00	N/A	N/A	Included	Included	0.0000	0.0000	0.00	0.00	0.00
SPOT CONTRACT																
Total Spot					0.00	-	0.00	0.00	0.00	0.0000	0.0000	0	0.0000	0.00	0.00	0.00
TOTAL GREEN STATION					0.00	-	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
STATION NAME - Wilson																
LONG TERM CONTRACT																
Total Contract					0.00	-	0.00	N/A	N/A	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
SPOT CONTRACT																
Total Spot					0.00	-	0.00	N/A	0.00	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
TOTAL WILSON STATION					0.00	-	0.00	N/A	N/A	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
TOTAL BIG RIVERS SYSTEM					0.00	-	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00

(b) Designated by Symbol
P= Producer D=Distributor
B= Broker U= Utility

(c) POCN = Purchase Order
or Contract Number

(d) MT = Mode of Transportation
Designated by Symbol
R = Rail T = Truck B = Barge P = Pipeline

BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF OTHER FUEL PURCHASES
May 31, 2024

Fuel & Supplier (a)	P B D U (b)	P O C N (c)	M T (d)	Station Name (e)	Gal. or MMBtu Purchased (f)	BTU Per Unit (g)	Delivered Cost(\$) (h)	Cents per MMBTU (i)	% Sulfur (j)
<u>Oil - Start-up & Flame Stabilization</u>									
<u>Oil - Coal Handling</u>									
					-	138,000	\$ -	0.0000	N/A
<u>Natural Gas</u>									
Texas Gas Transmission (1)	D	BRE 10-G01	P	Reid CT	-	1,000,000	\$ 27,564.23	0.0000	N/A
Southwest Energy, LP (3)	P	BRE-23-G01	P	Reid CT	7,369.00	1,000,000	\$ 13,327.09	0.0018	N/A
NRG Business Marketing (1)	P	BRE-22-G08	P	Reid CT	1,163.00	1,000,000	\$ 2,140.70	0.0018	N/A
ECO-Energy (1)	P	BRE-22-G07	P	Reid CT	6,870.00	1,000,000	\$ 13,325.20	0.0019	N/A
CIMA Energy, LTD (1)	P	BRE-14-G07	P	Reid CT	10,855.00	1,000,000	\$ 21,324.99	0.0020	N/A
Tenaska Marketing Ventures (1)	P	BRE-11-G06	P	Reid CT	40,419.00	1,000,000	\$ 80,841.25	0.0020	N/A
Fuel Qtv and Pipe Imbalance (2)	P			Reid CT	(248.00)	1,000,000	\$ -	0.0000	N/A
Southwest Energy, LP (3)	P	BRE-23-G01	P	Green	182,653.00	1,000,000	\$ 330,324.61	0.0018	N/A
NRG Business Marketing (3)	P	BRE-22-G08	P	Green	28,837.00	1,000,000	\$ 53,059.30	0.0018	N/A
ECO-Energy (3)	P	BRE-22-G07	P	Green	170,265.00	1,000,000	\$ 330,277.65	0.0019	N/A
CIMA Energy, LTD (3)	P	BRE-14-G07	P	Green	269,045.00	1,000,000	\$ 528,560.01	0.0020	N/A
Tenaska Marketing Ventures (3)	P	BRE-11-G06	P	Green	1,001,820.00	1,000,000	\$ 2,003,726.51	0.0020	N/A
Texas Gas Transmission (3)	P	BRE 10-G01	P	Green	-	1,000,000	\$ 683,205.34	0.0000	N/A
Fuel Qtv and Pipe Imbalance (2)	P			Green	(6,132.00)	1,000,000	\$ -	0.0000	N/A
					1,712,916.00	1,000,000	\$ 4,087,676.88	0.0024	N/A

Footnotes:

- (1) BREC purchased and used 66,428 MMBtu for the Reid CT in May 2024.
(2) Gas quantity cuts from scheduled gas and +/- pipe imbalance beg/end of month.
(3) BREC purchased 1,646,488 MMBtu for Green Unit 1 & 2 in May 2024.

Designated by Symbol
(b) P = Producer
B = Broker
D = Distributor
U = Utility

(c) POCN = Purchase Order or
Contract Number

(d) MT = Mode of Transportation
Designated by Symbol
R = Rail
B = Barge
T = Truck
P = Pipeline

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: Reid

For the Month of: May 31, 2024

Line No.	Item Description	Reid 1 (1) <u>Unit # 1</u>	(Oil & Gas) Reid CT (2) <u>Unit #2</u>	Total <u>Station</u>
1.	Unit Performance:			
	a. Capacity (name plate rating) (MW)	65	65	130
	b. Capacity (average load) (L2c/L3a) (MW)	0	37	0
	c. Net Demonstrated Capability (MW)	65	65	130
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	57.0%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	62,911	62,911
	b. Gross Generation (MWH)	0	4,197	4,197
	c. Net Generation (MWH)	0	4,118	4,118
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	15,276	15,276
3.	Operation Availability:			
	a. Hours Unit Operated	0.0	111.1	111.1
	b. Hours Available	0.0	590.9	590.9
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	0.0%	79.4%	39.7%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0000	0.0378	0.0378
	b. Net Generation - FAC Basis (cents/KWH)	0.0000	0.0385	0.0385
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station	0	0	0

Footnotes:

- (1) Reid Unit 1 was put into Idled Status effective April 1, 2016.
- (2) Reid CT has dual capability of operating as an oil-fired unit or a natural gas-fired unit.

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: HMP&L Station Two

For the Month of: May 31, 2024

Line No.	Item Description	Unit # 1	Unit #2	Total Station
1.	Unit Performance:			
	a. Capacity (name plate rating) (MW)	153	159	312
	b. Capacity (average load) (L2c/L3a) (MW)	0	0	0
	c. Net Demonstrated Capability (MW)	153	159	312
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	0.0%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	0	0	0
	c. Net Generation (MWH)	(30)	(30)	(60)
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	0	0
3.	Operation Availability:			
	a. Hours Unit Operated	0.0	0.0	0.0
	b. Hours Available	0.0	0.0	0.0
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	0.0%	0.0%	0.0%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0000	0.0000	0.0000
	b. Net Generation - FAC Basis (cents/KWH)	0.0000	0.0000	0.0000
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)	See Total Station	See Total Station	

Footnotes:

(1) The coal pile is not kept on a unit basis. These units are no longer operating.

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: Green

For the Month of: May 31, 2024

Line No.	Item Description	Unit # 1	Unit #2	Total Station
1.	Unit Performance:			
	a. Capacity (name plate rating) (MW)	231	223	454
	b. Capacity (average load) (L2c/L3a) (MW)	142	128	270
	c. Net Demonstrated Capability (MW)	231	223	454
	d. Net Capability Factor(L1b/L1c) (%)	61.5%	57.4%	59.5%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	80,462	70,304	150,766
	c. Net Generation (MWH)	72,581	62,933	135,514
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	0	0
3.	Operation Availability:			
	a. Hours Unit Operated	512.2	492.5	1,004.7
	b. Hours Available	744.0	744.0	1,488.0
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	100.0%	100.0%	100.0%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0256	0.0266	0.0261
	b. Net Generation - FAC Basis (cents/KWH)	0.0283	0.0297	0.0290
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)	See Total Station	See Total Station	0

Footnotes:

(1) The Green units were commercialized as natural gas fired units in May 2022.

Form B

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: Wilson

For the Month of: May 31, 2024

Line No.	Item Description	Unit # 1	Total Station
1.	Unit Performance:		
	a. Capacity (name plate rating) (MW)	417	417
	b. Capacity (average load) (L2c/L3a) (MW)	375	375
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	89.9%	89.9%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	2,868,227	2,868,227
	b. Gross Generation (MWH)	278,147	278,147
	c. Net Generation (MWH)	258,014	258,014
	d. Heat Rate(L2a/L2c) (BTU/KWH)	11,117	11,117
3.	Operation Availability:		
	a. Hours Unit Operated	687.9	687.9
	b. Hours Available	687.9	687.9
	c. Hours During the Period	744.0	744.0
	d. Availability Factor(L3b/L3c) (%)	92.5%	92.5%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0225	0.0225
	b. Net Generation - FAC Basis (cents/KWH)	0.0242	0.0242
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	184	184

Footnotes:

(1) The coal pile is not kept on a unit basis. Therefore, this figure represents actual station coal inventory at the end of the month. Coal currently makes up 100% of the burn.