



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

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MAR 07 2024

PUBLIC SERVICE
COMMISSION

March 06, 2024

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

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

Dear Executive Director:

Enclosed is Big Rivers' Form B in support of the FAC filing for the month ending January 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

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: January 31, 2024

	<u>Fuel Coal</u>				
	<u>HMP&L Station Two</u>				
	<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
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	0.00	0.00	0.0000 ¢	0.00	\$0.0000
City of Henderson Shortfall	<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
	<u>Green</u>				
	<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
	<u>Wilson</u>				
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$40,618,728.32	19,635,658.41	206.8621 ¢	855,041.04	\$47.5050
Purchases (1)	<u>5,356,425.07</u>	<u>2,557,388.03</u>	209.4491 ¢	<u>109,593.70</u>	\$48.8753
Sub-total	45,975,153.39	22,193,046.44	207.1602 ¢	964,634.74	\$47.6607
Less Fuel Burned	6,360,155.53	3,070,163.27	207.1602 ¢	133,446.58	\$47.6607
Physical Inventory Adjustment	<u>-</u>	<u>-</u>	0.0000	<u>-</u>	\$0.0000
Ending Inventory	\$39,614,997.86	19,122,883.17	207.1602 ¢	831,188.16	\$47.6607
	<u>Coal in Transit</u>				
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Coal In Transit (2)	<u>277,474.12</u>	<u>138,184.40</u>	200.7999 ¢	<u>6,010.63</u>	\$46.1639
Total Combined Inventory	<u>\$39,892,471.98</u>	<u>19,261,067.57</u>	207.1145 ¢	<u>837,198.79</u>	\$47.6499

Footnotes:

(1) There was 1 lube refill invoice (\$1,877.58) in January 2024. Freight charges are allocated on tons unloaded during the current month to the stations. The freight cost for January 2024 for Wilson Station was \$6.869524948 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 January 2024 was 6,010.63 tons for Wilson Station.

Company: **BIG RIVERS ELECTRIC CORPORATION****FUEL INVENTORY SCHEDULE**

Plant: HMP&L Station Two, Green and Wilson

Month Ended: January 31, 2024

	<u>Fuel Pet Coke</u>				
	<u>Green</u>				
	<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
	<u>Wilson</u>				
	<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
	<u>Pet Coke in Transit</u>				
	<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: January 31, 2024

Fuel No. 2 Fuel OilReid 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	0.00	0.00	0.0000	¢
Non-Jurisdictional			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)	0.00	0.00	0.0000	¢
Non-Jurisdictional				¢
Ending Inventory	0.00	\$0.00	0.0000	¢

Footnotes:

- (1) True-up of Book to Physical Measurement for January 2024.
- (2) Transfer out of fuel oil from Reid Combustion Turbine to Wilson Station January 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: January 31, 2024

Fuel No. 2 Fuel OilGreen

	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	273,028.80	\$764,625.74	280.0531	¢
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	273,028.80	764,625.74	280.0531	¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	59,830.96	167,558.48	280.0531	¢
Ending Inventory	213,197.84	597,067.26	280.0531	¢

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	213,197.84	\$597,067.26	280.0531	¢

Footnotes:

- (1) There was no transfer of fuel oil from Reid Combustion Turbine fuel oil tank to Wilson Station January 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 January 2024.
- (3) True-up of Book to Physical Measurement for January 2024.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid Combustion Turbine

Month Ended: January 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)	1,568.00	416,253.88	265.4680	MMBtu
Purchase Adjustment (2)	0.00	0.00	0.0000	MMBtu
Sub-total	1,568.00	416,253.88	265.4680	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)	1,568.00	416,253.88	265.4680	MMBtu
Ending Inventory	0.00	\$0.00	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)	0.00	0.00	0.0000	MMBtu
Purchase Adjustment (4)	0.00	0.00	0.0000	MMBtu
Sub-total	0.00	0.00	0.0000	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)	0.00	0.00	0.0000	MMBtu
Ending Inventory	0.00	\$0.00	0.0000	MMBtu

Footnotes:

- (1) BREC purchased and used 1,568 MMBtu for the Reid CT in January 2024.
 (2) There was no purchase adjustments for the Reid CT in January 2024.
 (3) BREC purchased 0 MMBtu for Green Unit 1 & 2 in January 2024.
 (4) There was no purchase adjustments for Green Unit 1 & 2 in January 2024.

Company:		POWER TRANSACTION SCHEDULE								
		Billing Components								
		Company	Purpose	System Average(\$)	Type of Transaction	Kwh	Demand/ Capacity(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)
Purchases		MISO	Available for system		Non-Displacement	166,532,630	\$0	\$4,333,269	\$2,131,550	\$6,464,819
		KY National Guard	Available for system		Non-Displacement	379	\$0	\$0	\$8	\$8
		Southern Star	Available for system		Non-Displacement	20,505	\$0	\$0	\$447	\$447
		SEPA	Available for system		Non-Displacement	34,363,000	\$704,464	\$0	\$0	\$704,464
SUB-TOTAL(1)		Net Energy Cost - Economy Purchases				200,916,514	\$704,464	\$4,333,269	\$2,132,006	\$7,169,739
Footnote 1	MISO	Domtar Purchases			Non-Displacement	1,608,107	\$0	\$41,844	\$2,344	\$44,188
	MISO-Paducah	Blockware			Non-Displacement	14,360,608	\$0	\$373,671	\$65,220	\$438,891
	MISO	Intersystem Sale			Non-Displacement	9,555,000	\$0	\$248,626	\$468,273	\$716,899
	MISO	Cover Load & Lack of Generation			Non-Displacement	29,995,307	\$0	\$780,494	\$3,855,360	\$4,635,854
	Various	Capacity Purchases			Non-Displacement	0	\$483,750	\$0	\$0	\$483,750
SUB-Total(2)		Identifiable fuel cost (Total Other Purchases)				55,519,022	\$483,750	\$1,444,635	\$4,391,197	\$6,319,582
		MISO	Purchases for Forced Outages (> 6 hrs.):		Non-Displacement	7,622,570	\$0	\$198,343	\$5,401	\$203,745
SUB-TOTAL(3)		Identifiable fuel cost (substitute for Forced Outage)				7,622,570	\$0	\$198,343	\$5,401	\$203,745
						264,058,106	\$1,188,214	\$5,976,248	\$6,528,604	\$13,693,066
LESS: PURCHASED FOR SUPPLEMENTAL OR BACKUP SALES						0	\$0	\$0	\$0	\$0.00
TOTAL(4)		Total Purchased Power				264,058,106	\$1,188,214	\$5,976,248	\$6,528,604	\$13,693,066
Sales										
		Purchased Power:								
Footnote 2		DTE/EDF/NextEra/Morgan Stanley Indiana Hub(BTB)		\$26.021(System Average)	MISO (BTB)	9,555,000	\$0	\$248,626	(\$765,610)	(\$516,984)
SUB-TOTAL(1)						9,555,000	\$0	\$248,626	(\$765,610)	(\$516,984)
		Generation:								
Footnote 2		MISO:	BREC	\$26.021(System Average)	Coal-Petcoke Fired	148,530,356	\$0	\$3,864,841	\$3,907,170	\$7,772,011
Footnote 2		HMP&L	BREC	\$26.021(System Average)	Coal-Petcoke Fired	0	\$0	\$0	\$1,239	\$1,239
SUB-TOTAL(2)						148,530,356	\$0	\$3,864,841	\$3,908,409	\$7,773,250
LOSSES ACROSS OTHER SYSTEMS(NOT BILLED) (Footnote 3)						14,541,116	\$0	\$0	\$0	\$0
TOTAL(3)						172,626,472	\$0	\$4,113,467	\$3,142,799	\$7,256,266
						600,814,988	\$0	\$0	\$0	\$0
						588,991,161	\$0	\$0	\$0	\$0
		Net Interchange				11,823,827	\$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 \$26.021 mills. There was a true-up of total energy dollars of \$3,741.91 in January 2024 from the S55 November 2023 resettlement. There was no impact to volume from the true-up made in January 2024 for November 2023 S55 resettlement. HMP&L was also invoiced \$1,238.93 for Auxiliary Power for January 2024.

Footnote 3: The calculated line losses for January 2024 activity was 14,541,116.

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
January 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
1/1-1/31		1,608.107	\$ 27.478	\$ 44,187.66				Domtar	Back-Up Power	\$ 29.987	\$ -	\$ -
		1,608.107		\$ 44,187.66					Back-Up Power Total			\$ -
1/1-1/31		-	\$ -	\$ -				SIPC	Cong/Loss Rebates	\$ 29.987	\$ -	\$ -
1/1-1/31		-	\$ -	\$ -				AECI	Cong/Loss Rebates	\$ 29.987	\$ -	\$ -
		-		\$ -					Cong/Loss Rebates Total			\$ -
1/1-1/31		-	\$ -	\$ -				SIPC	DA RSG	\$ 29.987	\$ -	\$ -
1/1-1/31		-	\$ -	\$ -				AECI	DA RSG	\$ 29.987	\$ -	\$ -
		-		\$ -					DA RSG Total			\$ -
1/1-1/31		-	\$ -	\$ -				AECI	DA/RT Settle Adj	\$ 29.987	\$ -	\$ -
		-		\$ -					DA/RT Settle Adj Total			\$ -
1/1	HE1-24	3,283.000	\$ 25.985	\$ 85,307.99	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/1	HE1-24	807.126	\$ 26.102	\$ 21,067.46	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/2	HE1-24	4,648.200	\$ 26.438	\$ 122,887.60	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/2	HE1-2, 6, 8,10,11-17, 19-24	1,025.737	\$ 29.032	\$ 29,779.46	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/3	HE 1-24	4,704.000	\$ 32.546	\$ 153,095.84	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 2.559	\$ 12,036.99
1/3	HE1-2, 5-7,9-15, 18-19, 21, 23	562.168	\$ 34.660	\$ 19,484.82	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 4.673	\$ 2,627.09
1/4	HE 1-24	5,311.000	\$ 34.645	\$ 183,998.41	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 4.658	\$ 24,737.45
1/4	HE 2, 5-7	81.673	\$ 32.945	\$ 2,690.71	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 2.958	\$ 241.58
1/5	HE 1-24	5,188.000	\$ 36.264	\$ 188,135.17	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 6.277	\$ 32,562.61
1/5	HE 5-6, 8-10, 15-24	792.605	\$ 36.153	\$ 28,655.32	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 6.166	\$ 4,887.47
1/6	HE 1-24	3,797.000	\$ 36.061	\$ 136,922.50	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 6.074	\$ 23,061.86
1/6	HE 1-11, 13-18, 20-24	1,467.955	\$ 31.058	\$ 45,592.24	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 1.071	\$ 1,572.67
1/7	HE1-24	5,118.000	\$ 31.012	\$ 158,717.04	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 1.025	\$ 5,243.57
1/7	HE1-3, 7-8, 10-14	732.386	\$ 33.938	\$ 24,855.44	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 3.951	\$ 2,893.38
1/8	HE1-24	4,760.000	\$ 32.704	\$ 155,671.30	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 2.717	\$ 12,933.18
1/8	HE 3-24	1,283.028	\$ 28.472	\$ 36,530.25	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/9	HE1-24	4,428.000	\$ 26.844	\$ 118,865.74	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/9	HE1-2, 4-23	672.817	\$ 24.374	\$ 16,399.40	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/10	HE1-24	4,725.000	\$ 35.359	\$ 167,069.53	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 5.372	\$ 25,380.96
1/10	HE9-10, 12-13, 15-18	385.605	\$ 31.993	\$ 12,336.67	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 2.006	\$ 773.53
1/11	HE 1-24	3,669.000	\$ 39.207	\$ 143,851.68	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 9.220	\$ 33,829.38
1/11	HE 1-24	449.749	\$ 28.720	\$ 12,916.88	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/12	HE 1-24	4,226.000	\$ 28.396	\$ 120,002.54	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/12	HE 1-17, 19-24	839.382	\$ 21.361	\$ 17,929.84	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/13	HE1-17, 21-24	4,494.000	\$ 44.592	\$ 200,395.59	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 14.605	\$ 65,634.01
1/13	HE1-8, 10-13	946.820	\$ 15.457	\$ 14,635.22	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/14	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/14	HE 10, 16-17, 22	87.353	\$ 68.408	\$ 5,975.61	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 38.421	\$ 3,356.16
1/15	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/15	HE4-6, 23-24	136.123	\$ 69.106	\$ 9,406.87	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 39.119	\$ 5,324.95
1/16	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/16	HE3-7, 10, 16-17	127.546	\$ 42.310	\$ 5,396.50	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 12.323	\$ 1,571.78
1/17	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/17	HE 10-12, 14-15, 21-24	40.395	\$ 54.260	\$ 2,191.83	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 24.273	\$ 980.51
1/18	HE 1-6, 15-16, 21-24	2,454.000	\$ 70.478	\$ 172,953.84	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 40.491	\$ 99,365.74
1/18	HE2-7, 10-24	304.719	\$ 43.880	\$ 13,371.09	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 13.893	\$ 4,233.48
1/19	HE 1-24	7,991.715	\$ 39.126	\$ 312,682.98	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 9.139	\$ 73,035.42
1/19	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/20	HE1-24	9,996.480	\$ 37.910	\$ 378,967.07	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 7.923	\$ 79,202.62
1/20	HE1-6, 24	228.367	\$ 34.174	\$ 7,804.31	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 4.187	\$ 956.27
1/21	HE1-24	8,404.019	\$ 35.829	\$ 301,107.84	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 5.842	\$ 49,096.52
1/21	HE7-8, 10-24	1,401.400	\$ 8.027	\$ 11,248.92	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/22	HE1-24	7,471.075	\$ 33.095	\$ 247,254.04	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 3.108	\$ 23,218.91
1/22	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/23	HE1-24	9,295.400	\$ 25.209	\$ 234,325.45	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/23	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/24	HE 1-24	2,017.000	\$ 31.941	\$ 64,424.07	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 1.954	\$ 3,940.29
1/24	HE 1, 16, 20, 22	56.131	\$ 47.280	\$ 2,653.86	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 17.293	\$ 970.66

BIG RIVERS ELECTRIC CORPORATION
PURCHASES
January 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
1/25	HE 1-2, 6-24	2,530.000	\$ 34.326	\$ 86,843.88	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 4.339	\$ 10,976.77
1/25	HE1-3, 5, 10-24	3,609.017	\$ 30.724	\$ 110,882.39	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 0.737	\$ 2,658.80
1/26	HE 1-24	14,761.000	\$ 31.351	\$ 462,767.56	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 1.364	\$ 20,129.45
1/26	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/27	HE 1-24	3,943.000	\$ 29.855	\$ 117,719.69	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/27	HE 24	21.105	\$ 20.287	\$ 428.16	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/28	HE1-24	4,100.700	\$ 26.950	\$ 110,515.67	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/28	HE 1-13, 16-17, 21-24	1,026.654	\$ 19.471	\$ 19,990.11	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/29	HE1-24	5,649.000	\$ 29.875	\$ 168,761.25	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/29	HE 1-5, 7-8, 11-24	1,106.829	\$ 31.118	\$ 34,441.85	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 1.131	\$ 1,251.37
1/30	HE 1-24	5,362.000	\$ 31.100	\$ 166,759.03	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ 1.113	\$ 5,968.74
1/30	HE 1-4, 6-7, 10-14, 16-18, 20-2	766.879	\$ 38.880	\$ 29,816.20	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ 8.893	\$ 6,819.80
1/31	HE 1-24	5,133.000	\$ 29.312	\$ 150,460.85	Buy	Power	Day Ahead	MISO	Economic	\$ 29.987	\$ -	\$ -
1/31	HE 10-24	113.472	\$ 26.887	\$ 3,050.94	Buy	Power	Real Time	MISO	Economic	\$ 29.987	\$ -	\$ -
1/1-1/31		-	\$ -	\$ 5,338,386.00	Buy	Hedge		AEP Energy Partn	Economic	\$ 29.987	\$ -	\$ -
1/1-1/31		-	\$ -	\$ 503,360.00	Buy	Hedge		Macquarie Ener	Economic	\$ 29.987	\$ -	\$ -
1/1-1/31		-	\$ -	\$ 1,746,000.00	Buy	Hedge		NextEra Energ	Economic	\$ 29.987	\$ -	\$ -
1/1-1/31		-	\$ -	\$ (6,639,607.05)	Buy	Hedge		MISO	Economic	\$ 29.987	\$ -	\$ -
1/1-1/31		-	\$ -	\$ 66,683.85	Buy	Hedge		MISO	Economic	\$ 29.987	\$ -	\$ -
		166,532.630		\$ 6,464,819.30					Economic Total			\$ 641,473.99
1/1-1/31		-	\$ -	\$ -				AECI	MISO Energy Charges - AECI	\$ 29.987	\$ -	\$ -
		-		\$ -					MISO Energy Charges - AECI Total			\$ -
1/1-1/31		14,360.608	\$ 30.562	\$ 438,891.11				PADUCAH1	MISO Energy Charges - PADUCAH1	\$ 29.987	\$ 0.575	\$ 8,259.56
		14,360.608		\$ 438,891.11					MISO Energy Charges - PADUCAH1 Total			\$ 8,259.56
1/1-1/31		18,000.000	\$ 32.651	\$ 587,718.00				SIPC	MISO Energy Charges - SIPC	\$ 29.987	\$ 2.664	\$ 47,952.00
		18,000.000		\$ 587,718.00					MISO Energy Charges - SIPC Total			\$ 47,952.00
1/18	HE 10-24	31.909	\$ 49.919	\$ 1,592.88	Buy	Power	Real Time		Outage G1-23-22	\$ 29.987	\$ 19.932	\$ 636.02
1/19	HE 1-24	14.586	\$ 23.789	\$ 346.98	Buy	Power	Day Ahead	MISO	Outage G1-23-22	\$ 29.987	\$ -	\$ -
1/20	HE 1-24	56.788	\$ 38.902	\$ 2,209.17	Buy	Power	Day Ahead	MISO	Outage G1-23-22	\$ 29.987	\$ 8.915	\$ 506.27
1/21	HE 1-24	55.931	\$ 29.510	\$ 1,650.52	Buy	Power	Day Ahead	MISO	Outage G1-23-22	\$ 29.987	\$ -	\$ -
1/22	HE 1-22	49.538	\$ 51.169	\$ 2,534.79	Buy	Power	Day Ahead	MISO	Outage G1-23-22	\$ 29.987	\$ 21.182	\$ 1,049.29
		208.752		\$ 8,334.34					Outage G1-23-22 Total (FO>6)			\$ 2,191.59
1/18	HE 10-24	31.909	\$ 49.919	\$ 1,592.88	Buy	Power	Real Time		Outage G2-23-07	\$ 29.987	\$ 19.932	\$ 636.02
1/19	HE 1-24	14.586	\$ 23.789	\$ 346.98	Buy	Power	Day Ahead	MISO	Outage G2-23-07	\$ 29.987	\$ -	\$ -
1/20	HE 1-24	56.788	\$ 38.902	\$ 2,209.17	Buy	Power	Day Ahead	MISO	Outage G2-23-07	\$ 29.987	\$ 8.915	\$ 506.27
1/21	HE 1-24	55.931	\$ 29.510	\$ 1,650.52	Buy	Power	Day Ahead	MISO	Outage G2-23-07	\$ 29.987	\$ -	\$ -
1/22	HE 1-22	49.538	\$ 51.169	\$ 2,534.79	Buy	Power	Day Ahead	MISO	Outage G2-23-07	\$ 29.987	\$ 21.182	\$ 1,049.29
		208.752		\$ 8,334.34					Outage G2-23-07 Total (FO>6)			\$ 2,191.59
1/17	HE 7-20	170.000	\$ 51.573	\$ 8,767.33	Buy	Power	Real Time	MISO	Outage RCT-24-01	\$ 29.987	\$ 21.586	\$ 3,669.54
1/18	HE 1-10	650.000	\$ 43.371	\$ 28,191.40	Buy	Power	Real Time	MISO	Outage RCT-24-01	\$ 29.987	\$ 13.384	\$ 8,699.85
1/19	HE 1-24	4.113	\$ 33.717	\$ 138.68	Buy	Power	Day Ahead	MISO	Outage RCT-24-01	\$ 29.987	\$ 3.730	\$ 15.34
1/20	HE 1-24	4.244	\$ 38.838	\$ 164.83	Buy	Power	Day Ahead	MISO	Outage RCT-24-01	\$ 29.987	\$ 8.851	\$ 37.57
1/21	HE 1-24	4.119	\$ 29.429	\$ 121.22	Buy	Power	Day Ahead	MISO	Outage RCT-24-01	\$ 29.987	\$ -	\$ -
1/22	HE 1-22	3.849	\$ 51.107	\$ 196.71	Buy	Power	Day Ahead	MISO	Outage RCT-24-01	\$ 29.987	\$ 21.120	\$ 81.29
		836.325		\$ 37,580.17					Outage RCT-24-01 Total (FO>6)			\$ 12,503.59
1/31	HE 8-24	6,368.741	\$ 23.473	\$ 149,495.86	Buy	Power	Real Time	MISO	Outage W1-24-02	\$ 29.987	\$ -	\$ -
		6,368.741		\$ 149,495.86					Outage W1-24-02 Total (FO>6)			\$ -
1/1-1/31		-	\$ -	\$ (0.01)				PJM	PJM Fees (Transmission Only)	\$ 29.987	\$ -	\$ -
		-		\$ (0.01)					PJM Fees (Transmission Only) Total			\$ -
1/1-1/31		(8,445.000)	\$ (15.297)	\$ 129,181.13				SIPC/AECI	SIPC/AECI GFA Transactions	\$ 29.987	\$ -	\$ -
		(8,445.000)		\$ 129,181.13					SIPC/AECI GFA Transactions Total			\$ -
1/2	HE 18	113.920	\$ 246.720	\$ 28,106.31	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 216.733	\$ 24,690.19
1/3	HE 8	82.261	\$ 92.730	\$ 7,628.09	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 62.743	\$ 5,161.33
1/6	HE 12, 19	113.146	\$ 85.422	\$ 9,665.20	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 55.435	\$ 6,272.29
1/13	HE 18-20	664.000	\$ 82.026	\$ 54,465.14	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 29.987	\$ 52.039	\$ 34,553.77
1/14	HE 1-24	6,203.000	\$ 129.688	\$ 804,452.90	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 29.987	\$ 99.701	\$ 618,443.54
1/14	HE 14-15, 18-21	202.270	\$ 104.239	\$ 21,084.52	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 74.252	\$ 15,019.05
1/15	HE 1-24	6,619.000	\$ 173.816	\$ 1,150,487.05	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 29.987	\$ 143.829	\$ 952,003.10

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	
1/15	HE 7-10, 13-22	886.988	\$ 91.647	\$ 81,289.79	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 61.660	\$ 54,691.68	
1/16	HE1-24	6,968.000	\$ 211.703	\$ 1,475,149.98	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 29.987	\$ 181.716	\$ 1,266,200.56	
1/16	HE 18-23	218.481	\$ 131.116	\$ 28,646.40	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 101.129	\$ 22,094.81	
1/17	HE 1-24	6,153.000	\$ 122.902	\$ 756,213.01	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 29.987	\$ 92.915	\$ 571,703.00	
1/17	HE 3-6, 8-9, 19	200.906	\$ 226.685	\$ 45,542.32	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 196.698	\$ 39,517.75	
1/18	HE 7-14, 17-20	1,204.000	\$ 110.454	\$ 132,986.53	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 29.987	\$ 80.467	\$ 96,882.18	
1/18	HE1, 8-9	186.451	\$ 120.710	\$ 22,506.53	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 90.723	\$ 16,915.42	
1/21	HE 19	75.291	\$ 88.408	\$ 6,656.29	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 58.421	\$ 4,398.54	
1/25	HE 2, 8	33.000	\$ 82.024	\$ 2,706.78	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 29.987	\$ 52.037	\$ 1,717.21	
1/29	HE 10	15.993	\$ 178.001	\$ 2,846.77	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 148.014	\$ 2,367.19	
1/30	HE 15, 19	55.600	\$ 97.494	\$ 5,420.66	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 29.987	\$ 67.507	\$ 3,753.38	
		29,995.307		\$ 4,635,854.27	To cover load and lack of gen Total								\$ 3,736,385.00
		229,674.222		\$ 12,504,396.17	Grand Total								\$ 4,450,957.31
Plus: SEPA		34,363.000	\$ 20.501	\$ 704,464.36									
Plus: KY National Guard		0.379	\$ 21.821	\$ 8.27									
Plus: Southern Star		20.505	\$ 21.820	\$ 447.42									
Plus: Capacity Purchases		-	\$ -	\$ 483,750.00									
Total Purchased Power		264,058.106	\$ 51.856	\$ 13,693,066.22									

Recon to Nodal (S7):

Total MISO Purchased Power (Above):	229,674.222	\$ 12,504,396.17
Less: Purchases for Domtar Back-Up Power	1,608.107	\$ 44,187.66
Less: SIPC Charges	18,000.000	\$ 587,718.00
Less: SIPC GFA Transactions	(8,445.000)	\$ 129,181.13
Less: PJM Transactions	-	\$ (0.01)
Less: AECI Charges	-	-
Less: Purchased Power Hedges	-	\$ 1,014,822.80
Total MISO Purchases Above (Excl. SIPC & Domtar):	218,511.115	\$ 10,728,486.59
Total MISO Purchased Power per S7 Nodal Report:	204,150.507	\$ 10,289,595.48
Total MISO Purchased Power per S7 Nodal Report:	14,360.608	\$ 438,891.11
Difference:	-	\$ (0.00)

(A) Total Purchases over Highest Cost Unit	\$ 4,450,957.31
(1) Purchases above Highest Cost Unit for Forced Outages > 6 hours	\$ 16,886.76
(2) Purchases above Highest Cost Unit for B-T-B Purchases	\$ -
(3) Purchases above Highest Cost unit for Domtar Purchases	\$ -
(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)	\$ 4,434,070.54

**BIG RIVERS ELECTRIC CORPORATION
FUEL BURNED**

MONTH OF 01/31/24

		<u>TON/GAL/MCF</u>	<u>Cost</u>	<u>Gross KWH</u>	<u>TRUE NET KWH</u>	<u>Mills/KWH</u>
Reid			\$ -	0	0	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
Gas Turbine			\$ 416,253.88	36,070	(82,630)	(5,037.564)
	Oil	-	\$ -			
	Gas	1,522.00	\$ 416,253.88			
Wilson			\$ 6,527,714.01	307,322,460	284,530,560	22.942
	Coal	133,446.58	\$ 6,360,155.53			
	PetCoke	-	\$ -			
	Oil	59,830.96	\$ 167,558.48			
H1 (net of city take)			\$ -	0	(67,184)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
H2 (net of city take)			\$ -	0	(67,183)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
Station Two			\$ -	0	(134,367)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
G1			\$ -	0	(1,522,567)	0.000
	Coal	-	\$ -			
	PetCoke	-	\$ -			
	Gas	-	\$ -			
G2			\$ -	0	(1,519,415)	0.000
	Coal	-	\$ -			
	PetCoke	-	\$ -			
	Gas	-	\$ -			
Green			\$ -	0	(3,041,982)	0.000
	Coal	0.00	\$ -			
	PetCoke	-	\$ -			
	Gas	0.00	\$ -			
SYSTEM TOTAL			\$ 6,943,967.89	307,358,530	281,271,581	24.688
Line Losses					14,541,116	
System Average					266,730,465	26.034
Less: Energy Used by Idled/Retired Units (Coleman, Reid & Station 2)					(134,367)	
Total (Net of Line Losses & Energy Used by Idled Units)					266,864,832	26.021
Coal		\$	6,360,155.53			
Pet Coke		\$	-			
Oil		\$	167,558.48			
Gas		\$	416,253.88			
		\$	6,943,967.89			

Reid Combustion Turbine
January 31, 2024

Form B

1/1/2024 Date	Estimated Gas Price	Gross Mw's	Estimated Nat Gas Burn (MCF/HR)	Estimated BTU/HR	Gross Heat Rate (BTU/KWH)	Adjusted Gross Heat Rate (X%) (BTU/KWH)	Cost Per Gross Megawatt (\$/mwh)
1/1/24	\$3.30	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 39.90
1/2/24	\$3.30	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 39.90
1/3/24	\$3.04	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 36.76
1/4/24	\$3.25	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 39.30
1/5/24	\$3.25	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 39.30
1/6/24	\$3.31	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 40.02
1/7/24	\$3.31	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 40.02
1/8/24	\$3.31	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 40.02
1/9/24	\$3.13	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 37.85
1/10/24	\$3.44	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 41.60
1/11/24	\$3.75	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 45.34
1/12/24	\$3.08	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 37.24
1/13/24	\$3.80	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 45.95
1/14/24	\$35.95	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 434.70
1/15/24	\$28.88	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 349.21
1/16/24	\$26.41	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 319.34
1/17/24	\$9.11	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 110.16
1/18/24	\$4.10	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 49.58
1/19/24	\$3.61	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 43.65
1/20/24	\$3.66	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 44.26
1/21/24	\$3.66	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 44.26
1/22/24	\$3.66	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 44.26
1/23/24	\$3.18	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 38.45
1/24/24	\$3.20	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 38.69
1/25/24	\$2.87	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 34.70
1/26/24	\$3.25	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 39.30
1/27/24	\$3.08	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 37.24
1/28/24	\$2.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 32.53
1/29/24	\$2.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 32.53
1/30/24	\$2.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 32.53
1/31/24	\$2.48	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 29.99
Average	\$6.28	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 75.952

January Average

\$ 75.952 \$/MwH

January Lowest Gas Price

\$ 29.987 \$/MwH

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

STATION & SUPPLIER (a)	PBDU (b)	POCN (c)	MT (d)	Mine Type	State 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						-	0	-	-	-	-	-	-	-	-	-	-					
STATION NAME - Wilson																						
LONG TERM CONTRACT																						
Alliance - 989						P	22-002	B	S	WKY	35,132.54	11,491	807,448.06	46.1639	200.8618	6.8695	29.8897	53.0334	230.7516	2.96	9.16	11.88
American Consolidated Natural Resources - 1005						P	20-001	T	U	WKY	74,461.16	11,751	1,749,939.97	43.0934	183.3654	3.8200	16.2544	46.9134	199.6198	2.84	10.23	9.76
Total Contract											109,593.70	11,668	2,557,388.03	44.0777	188.8896	4.7976	20.5595	48.8753	209.4491	2.88	9.89	10.44
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											109,593.70	11,668	2,557,388.03	44.0777	188.8896	4.7976	20.5595	48.8753	209.4491	2.88	9.89	10.44
TOTAL BIG RIVERS SYSTEM											109,593.70	11,668	2,557,388.03	44.0777	188.8896	4.7976	20.5595	48.8753	209.4491	2.88	9.89	10.44

BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
January 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 ¢ Per MMBTU (h)	(i)	Transportation Cost \$ Per Ton ¢ Per MMBTU (j)	(k)	Delivered Cost \$ Per Ton ¢ Per MMBTU (l)	(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
January 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	\$ (1,114.32)	0.0000	N/A
ECO-Energy (1)	P	BRE-22-G07	P	Reid CT	815.00	1,000,000	\$ 415,642.22	0.5100	N/A
CIMA Energy, LTD (1)	P	BRE-14-G07	P	Reid CT	757.00	1,000,000	\$ 1,725.98	0.0023	N/A
Tenaska Marketing Ventures (1)	P	BRE-11-G06	P	Reid CT	-	1,000,000	\$ -	0.0000	N/A
Fuel Qtv and Pipe Imbalance (2)	P			Reid CT	(4.00)	1,000,000	\$ -	0.0000	N/A
					1,568.00	1,000,000	\$ 416,253.88	0.2655	N/A

Footnotes:

- (1) BREC purchased and used 1,568 MMBtu for the Reid CT in January 2024.
(2) Gas quantity cuts from scheduled gas and +/- pipe imbalance beg/end of month.
(3) BREC purchased 0 MMBtu for Green Unit 1 & 2 in January 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

Form B

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: Reid

For the Month of: January 31, 2024

Line No.	Item Description	Reid 1 (1) Unit # 1	(Oil & Gas) Reid CT (2) Unit #2	Total Station
1.	Unit Performance:			
	a. Capacity (name plate rating) (MW)	65	65	130
	b. Capacity (average load) (L2c/L3a) (MW)	0	(49)	0
	c. Net Demonstrated Capability (MW)	65	65	130
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	-74.8%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	1,522	1,522
	b. Gross Generation (MWH)	0	36	36
	c. Net Generation (MWH)	0	(83)	(83)
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	(18,419)	(18,419)
3.	Operation Availability:			
	a. Hours Unit Operated	0.0	1.7	1.7
	b. Hours Available	0.0	609.8	609.8
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	0.0%	82.0%	41.0%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0000	11.5402	11.5402
	b. Net Generation - FAC Basis (cents/KWH)	0.0000	(5.0376)	(5.0376)
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.

Form B

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: HMP&L Station Two

For the Month of: January 31, 2024

Line No.	Item Description			Total Station
1.	Unit Performance:	Unit # 1	Unit #2	
	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)	(67)	(67)	(134)
	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.

Form B

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: Green

For the Month of: January 31, 2024

Line No.	Item Description			
1.	Unit Performance:	<u>Unit # 1</u>	<u>Unit #2</u>	<u>Total Station</u>
	a. Capacity (name plate rating) (MW)	231	223	454
	b. Capacity (average load) (L2c/L3a) (MW)	0	0	0
	c. Net Demonstrated Capability (MW)	231	223	454
	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)	(1,523)	(1,519)	(3,042)
	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	635.8	635.8	1,271.6
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	85.5%	85.5%	85.5%
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	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: January 31, 2024

Line No.	Item Description		
1.	Unit Performance:	Unit # 1	Total Station
	a. Capacity (name plate rating) (MW)	417	417
	b. Capacity (average load) (L2c/L3a) (MW)	394	394
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	94.5%	94.5%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	2,725,682	2,725,682
	b. Gross Generation (MWH)	307,322	307,322
	c. Net Generation (MWH)	284,531	284,531
	d. Heat Rate(L2a/L2c) (BTU/KWH)	9,580	9,580
3.	Operation Availability:		
	a. Hours Unit Operated	722.2	722.2
	b. Hours Available	722.2	722.2
	c. Hours During the Period	744.0	744.0
	d. Availability Factor(L3b/L3c) (%)	97.1%	97.1%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0212	0.0212
	b. Net Generation - FAC Basis (cents/KWH)	0.0229	0.0229
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	183	183

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.