



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

February 4, 2025

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

RECEIVED

FEB 04 2025

PUBLIC SERVICE
COMMISSION

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

Dear Executive Director:

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

Our Generating Stations & Office Locations: Headquarters • Energy Transmission & Substation • Sebree Station • Wilson Station



Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: December 31, 2024

	<u>Fuel</u>		<u>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	0.00	0.00	0.0000 ¢	0.00	\$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			0.0000 ¢		\$0.0000
Ending Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
	<u>Green</u>		<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	\$0.0000
Purchases (1)	0.00	0.00	0.0000 ¢	0.00	\$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	-	-	0.0000	-	\$0.0000
Ending Inventory	\$0.00	\$0.00	0.0000 ¢	0.00	\$0.0000
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$26,825,356.31	12,554,517.08	213.6710 ¢	542,995.76	\$49.4025
Purchases (1)	3,182,466.90	1,447,254.84	219.8968 ¢	61,371.69	\$51.8556
Sub-total	30,007,823.21	14,001,771.92	214.3145 ¢	604,367.45	\$49.6516
Less Fuel Burned	1,450,620.26	676,865.29	214.3145 ¢	29,215.97	\$49.6516
Physical Inventory Adjustment	-	-	0.0000	-	\$0.0000
Ending Inventory	\$28,557,202.95	13,324,906.63	214.3145 ¢	575,151.48	\$49.6516
	<u>Coal in Transit</u>		<u>Wilson</u>		
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Coal In Transit (2)	497,995.93	247,624.95	201.1089 ¢	10,761.29	\$46.2766
Total Combined Inventory	\$29,055,198.88	13,572,531.58	214.0735 ¢	585,912.77	\$49.5896

Footnotes:

(1) There was 5 repair and fuel invoices (2-663472, 2-63473, 2-663663, 2-663823, 2-663850) billed to Wilson in December 2024. Freight charges are allocated on tons unloaded during the current month to the stations. The freight cost for December 2024 for Wilson Station was \$6.720400553 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 December 2024 was 10,761.29 tons for Wilson Station.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: December 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: December 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 December 2024.
- (2) Transfer out of fuel oil from Reid Combustion Turbine to Wilson Station December 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: December 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	166,294.30	\$396,137.12	238.2145	¢
Transfer In (2)	0.00	0.00	0.0000	¢
Adjustments (3)	0.00	0.00	0.0000	¢
Purchases	100,558.00	218,828.32	217.6140	¢
Sub-Total	266,852.30	614,965.44	230.4516	¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	139,348.75	321,131.45	230.4516	¢
Ending Inventory	127,503.55	293,833.99	230.4516	¢

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	127,503.55	\$293,833.99	230.4516	¢

Footnotes:

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

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid Combustion Turbine

Month Ended: December 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)	0.00	0.00	0.0000	MMBtu
Purchase Adjustment (2)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>0.00</u>	<u>0.00</u>	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 (1)	0.00	0.00	0.0000	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)	469,129.00	1,767,439.13	3.7675	MMBtu
Purchase Adjustment (4)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>469,129.00</u>	<u>1,767,439.13</u>	3.7675	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)	469,129.00	1,767,439.13	3.7675	MMBtu
Ending Inventory	<u>0.00</u>	<u>\$0.00</u>	0.0000	MMBtu

Footnotes:

- (1) BREC purchased and used 0 MMBtu for the Reid CT in December 2024.
- (2) There was no purchase adjustments for the Reid CT in December 2024.
- (3) BREC purchased 469,129 MMBtu for Green Unit 1 & 2 in December 2024.
- (4) There was no purchase adjustments for Green Unit 1 & 2 in December 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	133,184,783	\$0	\$5,828,541	(\$313,207)	\$5,515,334
	KY National Guard	Available for system		Non-Displacement	2,764	\$0	\$0	\$83	\$83
	Southern Star	Available for system		Non-Displacement	27,537	\$0	\$0	\$929	\$929
	Unbridled	Available for system		Non-Displacement	9,704,649	\$0	\$0	\$277,359	\$277,359
	SEPA	Available for system		Non-Displacement	16,612,000	\$721,642	\$0	\$0	\$721,642
SUB-TOTAL(1)		Net Energy Cost - Economy Purchases			159,531,733	\$721,642	\$5,828,541	(\$34,836)	\$6,515,346
	MISO	Scheduled Outages:		Non-Displacement	0	\$0	\$0	\$0	\$0
Footnote 1	MISO	Domtar Purchases		Non-Displacement	4,737,620	\$0	\$216,084	(\$67,706)	\$148,378
	MISO-Paducah	Blockware		Non-Displacement	18,312,141	\$0	\$801,391	(\$213,476)	\$587,915
	MISO	Intersystem Sale		Non-Displacement	11,942,000	\$0	\$522,616	(\$51,621)	\$470,995
	MISO	Cover Load & Lack of Generation		Non-Displacement	8,457,482	\$0	\$370,123	\$307,989	\$678,112
	Various	Capacity Purchases		Non-Displacement	0	\$206,250	\$0	\$0	\$206,250
SUB-Total(2)		Identifiable fuel cost (Total Other Purchases)			43,449,243	\$206,250	\$1,910,214	(\$24,813)	\$2,091,650
	MISO	Purchases for Forced Outages (> 6 hrs.):		Non-Displacement	247,056,544	\$0	\$10,811,889	(\$2,773,641)	\$8,038,248
SUB-TOTAL(3)		Identifiable fuel cost (substitute for Forced Outage)			247,056,544	\$0	\$10,811,889	(\$2,773,641)	\$8,038,248
					450,037,520	\$927,892	\$18,550,643	(\$2,833,291)	\$16,645,244
LESS: PURCHASED FOR SUPPLEMENTAL OR BACKUP SALES					0	\$0	\$0	\$0	\$0.00
TOTAL(4)		Total Purchased Power			450,037,520	\$927,892	\$18,550,643	(\$2,833,291)	\$16,645,244
Sales									
		Purchased Power:							
Footnote 2		DTE/EDF/NextEra/Morgan Stanle Indiana Hub(BTB)		MISO (BTB)	11,942,000		\$522,616	(\$48,088)	\$474,528
SUB-TOTAL(1)					11,942,000	\$0	\$522,616	(\$48,088)	\$474,528
		Generation:							
Footnote 2	MISO:	BREC	\$43.763(System Average)	Coal-Petcoke Fired	159,863,800	\$0	\$6,996,089	\$617,536	\$7,613,626
Footnote 2	HMP&L	BREC	\$43.763(System Average)	Coal-Petcoke Fired	0	\$0	\$0	\$912	\$912
SUB-TOTAL(2)					159,863,800	\$0	\$6,996,089	\$618,449	\$7,614,538
LOSSES ACROSS OTHER SYSTEMS(NOT BILLED) (Footnote 3)					10,808,175	\$0	\$0	\$0	\$0
TOTAL(3)					182,613,975	\$0	\$7,518,705	\$570,361	\$8,089,066
	Interchange In				478,989,839	\$0	\$0	\$0	\$0
	Interchange Out				470,215,265	\$0	\$0	\$0	\$0
	Net Interchange				8,774,574	\$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 \$43.763 mills. There was a true-up of total energy dollars of \$160,180.59 in December 2024 from the S55 October 2024 resettlement. There was no impact to volume from the true-up made in December 2024 for October 2024 S55 resettlement. HMP&L was also invoiced \$912.31 for Auxiliary Power for December 2024.

Footnote 3: The calculated line losses for December 2024 activity was 10,808,175.

Light Blue - Net Energy Cost - Economy Purchases

Yellow - Identifiable fuel cost - Other Purchases

Green - Identifiable fuel cost - Forced Outage Purchases

DATE	HE	MWh	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
12/1-12/31		4,937.620	\$ 30.051	\$ 148,378.24		Domtar	Back-Up Power	\$ 59.722	\$ -	\$ -
		4,937.620	\$ -	\$ 148,378.24			Back-Up Power Total			\$ -
12/1-12/31		0.000	\$ -	\$ -		SIPC	Cong/Loss Rebates	\$ 59.722	\$ -	\$ -
12/1-12/31		0.000	\$ -	\$ -		AECI	Cong/Loss Rebates	\$ 59.722	\$ -	\$ -
		0.000	\$ -	\$ -			Cong/Loss Rebates Total			\$ -
12/1-12/31		0.000	\$ -	\$ -		SIPC	DA RSG	\$ 59.722	\$ -	\$ -
12/1-12/31		0.000	\$ -	\$ -		AECI	DA RSG	\$ 59.722	\$ -	\$ -
		0.000	\$ -	\$ -			DA RSG Total			\$ -
12/1-12/31		0.000	\$ -	\$ -		AECI	DA/RT Settle Adj	\$ 59.722	\$ -	\$ -
		0.000	\$ -	\$ -			DA/RT Settle Adj Total			\$ -
12/1	HE 1-17,20-24	5,441.000	\$ 35.904	\$ 195,354.65	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/1	HE 2-5	122.154	\$ 29.206	\$ 3,567.60	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/2	HE 1-7,9,11-16	2,751.000	\$ 39.803	\$ 109,498.71	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/2	HE 18,20,23-24	76.048	\$ 42.552	\$ 3,235.98	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/3	HE 11-17,22-24	1,647.000	\$ 36.007	\$ 59,303.50	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/3	HE 1-7,9-19,22-24	2,338.048	\$ 41.661	\$ 97,406.50	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/4	HE 1-7,9-24	6,683.000	\$ 31.832	\$ 212,730.32	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/4	HE 4-7,18-19	268.287	\$ 46.403	\$ 12,449.31	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/5	HE 1-6,10-17,23-24	3,445.500	\$ 40.176	\$ 138,425.95	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/5	HE 7-9, 18-23	576.167	\$ 36.709	\$ 21,150.46	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/6	HE 1-6,12-17,24	1,953.000	\$ 41.365	\$ 80,785.97	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/6	HE 3-4,7,9-18,20-24	417.890	\$ 39.819	\$ 16,639.95	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/7	HE 1-24	4,059.000	\$ 34.813	\$ 141,304.43	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/7	HE 1-9	1,591.805	\$ 36.249	\$ 57,701.07	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/8	HE 1-24	3,831.000	\$ 27.909	\$ 106,921.06	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/8	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/9	HE 1-24	4,873.000	\$ 30.588	\$ 149,055.41	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/9	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/10	HE 1-24	14,112.000	\$ 32.018	\$ 451,842.91	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/10	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/11	HE 1-17,21-24	2,515.000	\$ 29.200	\$ 73,436.75	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/11	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/12	HE 1-7,10-17,22-24	710.000	\$ 40.690	\$ 28,889.87	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/12	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/13	HE 1-6,10-17,19-24	2,370.000	\$ 42.361	\$ 100,395.13	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/13	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/14	HE 1-24	5,311.000	\$ 28.730	\$ 152,582.64	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/14	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/15	HE 1-24	2,986.000	\$ 28.606	\$ 85,416.70	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/15	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/16	HE 1-24	3,875.000	\$ 29.462	\$ 114,164.70	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/16	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/17	HE 1-24	4,092.000	\$ 30.184	\$ 123,513.43	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/17	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/18	HE 1-24	3,837.000	\$ 36.467	\$ 139,923.10	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/18	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/19	HE 1-24	5,182.000	\$ 38.731	\$ 200,703.34	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/19	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/20	HE 1-24	5,158.000	\$ 38.722	\$ 199,725.68	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/20	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/21	HE 1-24	4,659.000	\$ 40.581	\$ 189,065.66	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/21	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/22	HE 1-24	5,144.000	\$ 32.676	\$ 168,085.85	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/22	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/23	HE 1-7,9-24	3,609.000	\$ 38.233	\$ 137,983.11	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/23	HE 1-8,17-23	169.884	\$ 26.837	\$ 4,559.20	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/24	HE 1-24	3,144.000	\$ 32.698	\$ 102,801.03	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/24	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/25	HE 1-24	2,744.000	\$ 27.171	\$ 74,558.35	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/25	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/26	HE 1-24	3,156.000	\$ 28.463	\$ 89,830.80	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -
12/26	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59.722	\$ -	\$ -

(1)

DATE	HE	MWh	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
12/27	HE 1-24	3,171.000	\$ 28.472	\$ 90,283.90	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/27	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/28	HE 1-24	2,448.000	\$ 25.960	\$ 63,550.84	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/28	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/29	HE 1-24	2,246.000	\$ 27.622	\$ 62,039.15	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/29	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/30	HE 1-24	4,946.000	\$ 28.236	\$ 139,657.42	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/30	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/31	HE 1-24	7,526.000	\$ 25.936	\$ 195,195.67	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/31	HE	0.000	\$ -	\$ -	Buy Power	MISO	Economic	\$ 59,722	\$ -	\$ -
12/1-12/31		64,200.000	\$ 45.921	\$ 2,948,100.00	Buy Hedge	AEP Energy Partners, Inc	Economic	\$ 59,722	\$ -	\$ -
12/1-12/31		8,400.000	\$ 49.650	\$ 417,060.00	Buy Hedge	Macquarie Energy	Economic	\$ 59,722	\$ -	\$ -
12/1-12/31		74,400.000	\$ 39.400	\$ 2,931,360.00	Buy Hedge	Nextera Energy Power Marketing,LLC	Economic	\$ 59,722	\$ -	\$ -
12/1-12/31		-147,000.000	\$ 34.125	\$ (5,016,439.50)	Buy Hedge	MISO Energy (Indiana Hub or BREC, BREC, Pr	Economic	\$ 59,722	\$ -	\$ -
12/1-12/31		0.000	\$ -	\$ (158,544.16)	Buy Hedge	MISO Energy (Indiana Hub & LGEE) Back to Back	Economic	\$ 59,722	\$ -	\$ -
		133,184.783	\$ -	\$ 5,515,272.44			Economic Total			\$ -
12/1-12/31		0.000	\$ -	\$ -		AECI	MISO Energy Charges - AECI	\$ 59,722	\$ -	\$ -
		0.000	\$ -	\$ -			MISO Energy Charges - AECI Total			\$ -
12/1-12/31		18,312.141	\$ 32.105	\$ 587,914.93		PADUCAHI	MISO Energy Charges - PADUCAHI	\$ 59,722	\$ -	\$ -
		18,312.141	\$ -	\$ 587,914.93			MISO Energy Charges - PADUCAHI Total			\$ -
12/1-12/31		3,450.000	\$ 35.576	\$ 122,737.50		SIPC	MISO Energy Charges - SIPC	\$ 59,722	\$ -	\$ -
		3,450.000	\$ -	\$ 122,737.50			MISO Energy Charges - SIPC Total			\$ -
12/6	HE	0.000	\$ -	\$ -	Buy Power	MISO	Outage W1-24-15	\$ 59,722	\$ -	\$ -
12/6	HE 10-24	5,349.789	\$ 41.577	\$ 222,427.78	Buy Power	MISO	Outage W1-24-15	\$ 59,722	\$ -	\$ -
12/7	HE 1-24	10,008.000	\$ 34.568	\$ 345,952.23	Buy Power	MISO	Outage W1-24-15	\$ 59,722	\$ -	\$ -
12/7	HE 2.8,18-22	227.336	\$ 41.386	\$ 9,408.52	Buy Power	MISO	Outage W1-24-15	\$ 59,722	\$ -	\$ -
12/8	HE 1-24	10,008.000	\$ 27.052	\$ 270,735.48	Buy Power	MISO	Outage W1-24-15	\$ 59,722	\$ -	\$ -
12/8	HE	0.000	\$ -	\$ -	Buy Power	MISO	Outage W1-24-15	\$ 59,722	\$ -	\$ -
12/9	HE 1-22	9,174.000	\$ 29.788	\$ 273,277.64	Buy Power	MISO	Outage W1-24-15	\$ 59,722	\$ -	\$ -
12/9	HE	0.000	\$ -	\$ -	Buy Power	MISO	Outage W1-24-15	\$ 59,722	\$ -	\$ -
		34,767.125	\$ -	\$ 1,121,801.65			Outage W1-24-15 Total (UO2)			\$ -
12/11	HE 9-24	2,461.000	\$ 47.691	\$ 117,368.47	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/11	HE 1, 7-24	6,457.499	\$ 35.147	\$ 226,963.83	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/12	HE 1-24	10,008.000	\$ 38.352	\$ 383,822.49	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/12	HE 1-2,7,22-24	53.854	\$ 45.817	\$ 2,467.42	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/13	HE 1-24	10,008.000	\$ 42.766	\$ 428,000.31	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/13	HE 1,3,5-10	345.157	\$ 32.811	\$ 11,324.88	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/14	HE 1-24	10,008.000	\$ 28.314	\$ 283,367.75	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/14	HE 22-23	75.670	\$ 35.923	\$ 2,718.28	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/15	HE 1-24	10,008.000	\$ 28.573	\$ 285,960.28	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/15	HE 1-9,11,18-19,23	371.868	\$ 28.973	\$ 10,774.23	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/16	HE 1-24	10,008.000	\$ 29.333	\$ 293,566.38	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/16	HE 2,4-5,8-9,11-15,18-19,21-24	532.746	\$ 26.382	\$ 14,055.10	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/17	HE 1-24	10,008.000	\$ 30.215	\$ 302,394.95	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/17	HE 3-5,9,21	94.728	\$ 24.116	\$ 2,284.46	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/18	HE 1-24	10,008.000	\$ 35.951	\$ 359,802.25	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/18	HE 3-5,11-12,18-24	174.967	\$ 35.485	\$ 6,208.71	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/19	HE 1-24	10,008.000	\$ 38.929	\$ 389,600.61	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/19	HE 18-24	144.165	\$ 36.601	\$ 5,276.56	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/20	HE 1-24	10,008.000	\$ 38.739	\$ 387,702.78	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/20	HE 1-24	548.868	\$ 33.215	\$ 18,230.61	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/21	HE 1-24	10,008.000	\$ 40.144	\$ 401,764.54	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/21	HE 1-9,18-24	626.313	\$ 36.153	\$ 22,642.97	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/22	HE 1-24	10,008.000	\$ 32.602	\$ 326,284.32	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/22	HE 1-9,18-21,23	364.591	\$ 35.789	\$ 13,048.44	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/23	HE 1-24	10,008.000	\$ 37.277	\$ 373,065.45	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/23	HE 8	516.000	\$ 60.286	\$ 31,107.61	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ 0.564	\$ 291.19
12/24	HE 1-24	10,008.000	\$ 32.528	\$ 325,536.57	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/24	HE 1-9,11-13,15-20,22-24	631.616	\$ 27.420	\$ 17,318.65	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/25	HE 1-24	10,008.000	\$ 26.413	\$ 264,343.26	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/25	HE 4-9	61.634	\$ 27.296	\$ 1,682.36	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/26	HE 1-24	10,008.000	\$ 28.424	\$ 284,464.22	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -

DATE	HE	MWh	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
12/26	HE 16-23	103.627	\$ 34.892	\$ 3,615.76	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/27	HE 1-24	10,008.000	\$ 28.567	\$ 285,899.02	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/27	HE	0.000	\$ -	\$ -	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/28	HE 1-24	10,008.000	\$ 25.400	\$ 254,203.38	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/28	HE 18-19,21	16.535	\$ 28.856	\$ 477.14	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/29	HE 1-24	10,008.000	\$ 28.240	\$ 282,622.78	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/29	HE 1.7,17,22-23	14.850	\$ 22.587	\$ 335.42	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/30	HE 1-24	10,008.000	\$ 28.332	\$ 283,546.87	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/30	HE 17-24	145.987	\$ 26.252	\$ 3,832.45	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/31	HE 1-24	8,340.000	\$ 24.874	\$ 207,449.41	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
12/31	HE 2-7,18	55.744	\$ 23.595	\$ 1,315.27	Buy Power	MISO	Outage W1-24-16	\$ 59,722	\$ -	\$ -
		212,289.419	\$ -	\$ 6,916,446.24			Outage W1-24-16 Total (UO2)			\$ 291.19 (1)
12/1-12/31		0.000	\$ -	\$ 61.19		PJM	PJM Fees (Transmission Only)	\$ 59,722	\$ -	\$ -
		0.000	\$ -	\$ 61.19			PJM Fees (Transmission Only) Total			\$ -
12/1-12/31		8,492.000	\$ 41.010	\$ 348,257.16		SIPC/AECI	SIPC/AECI GFA Transactions	\$ 59,722	\$ -	\$ -
		8,492.000	\$ -	\$ 348,257.16			SIPC/AECI GFA Transactions Total			\$ - (1)
12/1	HE 18-19	354.000	\$ 65.666	\$ 23,245.78	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ 5,944	\$ 2,104.28
12/1	HE	0.000	\$ -	\$ -	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ -	\$ -
12/2	HE 8,10,17-24	1,008.000	\$ 72.301	\$ 72,879.09	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ 12,579	\$ 12,679.58
12/2	HE 19	1.221	\$ 394.947	\$ 482.23	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ 335.225	\$ 409.31
12/3	HE 10, 20-21	70.000	\$ 75.918	\$ 5,314.26	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ 16.196	\$ 1,133.74
12/3	HE 8,20-21	494.584	\$ 151.004	\$ 74,684.25	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ 91.282	\$ 45,146.83
12/4	HE 8	168.000	\$ 75.872	\$ 12,746.44	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ 16.150	\$ 2,713.19
12/4	HE 2-3,8	207.724	\$ 139.797	\$ 29,039.12	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ 80.075	\$ 16,633.48
12/29	HE	-	\$ -	\$ -	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ -	\$ -
12/29	HE	-	\$ -	\$ -	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ -	\$ -
12/30	HE	-	\$ -	\$ -	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ -	\$ -
12/30	HE	-	\$ -	\$ -	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ -	\$ -
12/31	HE	-	\$ -	\$ -	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ -	\$ -
12/31	HE	-	\$ -	\$ -	Buy Power	MISO	To Cover Load and Lack of Generation	\$ 59,722	\$ -	\$ -
		8,457.482	\$ -	\$ 678,112.49			To Cover Load and Lack of Generation Total			\$ 173,016.96 (4)
12/1-12/31		-	\$ -	\$ -		MISO		\$ 59,722	\$ -	\$ -
		423,890.570	\$ -	\$ 15,438,981.84			Grand Total			\$ 173,308.15

Recon to Nodal (S7):

Total MISO Purchased Power (Above):	423,890.570	\$ 15,438,981.840
Less: Purchases for Domtar Back-Up Power	4,937.620	\$ 148,378.240
Less: SIPC Charges	3,450.000	\$ 122,737.500
Less: SIPC GFA Transactions	8,492.000	\$ 348,257.160
Less: PJM Transactions	-	\$ 61.190
Less: AECI Charges	-	\$ -
Less: Purchased Power Hedges	-	\$ 1,121,536.340
Total MISO Purchases Above (Excl. SIPC & Domtar):	407,010.950	\$ 13,698,011.41
Total MISO Purchased Power per S7 Nodal Report:	388,698.809	\$ 13,110,096.48
Total MISO Purchased Power per S7 Nodal Report:	18,325.819	\$ 587,914.93

(A) Total Purchases over Highest Cost Unit	\$ 173,308.15
(1) Purchases above Highest Cost Unit for Forced Outages > 6 hours	\$ 291.19
(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.	\$ 173,016.96
(5) Total Purchases above Highest Cost Unit (A)-(1) (For Form A Filing)	\$ 173,016.96

Reid Combustion Turbine
December 31, 2024

Form B

Date	1-Dec 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)
12/1/24	\$4.20	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 50.785
12/2/24	\$4.08	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 49.334
12/3/24	\$4.08	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 49.334
12/4/24	\$4.30	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 51.994
12/5/24	\$3.98	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.125
12/6/24	\$4.03	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.729
12/7/24	\$3.88	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 46.916
12/8/24	\$3.88	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 46.916
12/9/24	\$3.88	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 46.916
12/10/24	\$4.00	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.367
12/11/24	\$3.94	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 47.641
12/12/24	\$4.20	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 50.785
12/13/24	\$4.15	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 50.180
12/14/24	\$3.97	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.004
12/15/24	\$3.97	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.004
12/16/24	\$3.97	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.004
12/17/24	\$3.88	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 46.916
12/18/24	\$3.87	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 46.795
12/19/24	\$4.06	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 49.092
12/20/24	\$4.21	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 50.906
12/21/24	\$4.23	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 51.148
12/22/24	\$3.97	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.004
12/23/24	\$3.97	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.004
12/24/24	\$3.97	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.004
12/25/24	\$4.00	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 48.367
12/26/24	\$3.95	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 47.762
12/27/24	\$3.95	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 47.762
12/28/24	\$3.60	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 43.530
12/29/24	\$3.60	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 43.530
12/30/24	\$3.60	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 43.530
12/31/24	\$4.21	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 50.906
Average	\$4.12	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 49.810

December Average \$ 49.810 \$/Mwh
 December Lowest Gas Price \$ 43.530 \$/Mwh

The Reid Combustion Turbine (CT) was not available for service during December 2024.

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF COAL PURCHASED FOR FUEL CLAUSE BACKUP
December 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																		
						-	-	-	-	-	-	-	-	-	-	-	-	-
STATION NAME - Wilson																		
LONG TERM CONTRACT																		
Alliance - 989	P	22-002	B	S	WKY	40,324.53	11,519	929,000.01	46.2766	200.8700	6.7204	29.1708	52.9970	230.0408	2.87	8.89	11.93	
American Consolidated Natural Resources - 1109	P	22-001	T	U	WKY	13,932.70	12,849	358,035.81	51.7828	201.5090	0.0000	0.0000	51.7828	201.5090	1.94	7.79	7.08	
Total Contract						54,257.23	11,861	1,287,035.82	47.6905	201.0477	4.9947	21.0559	52.6852	222.1036	2.63	8.61	10.68	
SPOT CONTRACT																		
Foresight Coal - 1111	P	24-001	B	U	IL	7,114.46	11,260	160,219.02	45.5289	202.1692	0.0000	0.0000	45.5289	202.1692	2.92	8.70	13.34	
Total Spot						7,114.46	11,260	160,219.02	45.5289	202.1692	0.0000	0.0000	45.5289	202.1692	2.92	8.70	13.34	
TOTAL WILSON STATION																		
						61,371.69	11,791	1,447,254.84	47.4400	201.1719	4.4157	18.7249	51.8556	219.8968	2.66	8.62	10.99	
TOTAL BIG RIVERS SYSTEM																		
						61,371.69	11,791	1,447,254.84	47.4400	201.1719	4.4157	18.7249	51.8556	219.8968	2.66	8.62	10.99	

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
December 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					0.00	0	0.00	N/A	N/A	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
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
December 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>									
#2 Diesel - Heritage Petroleum, LLC	D	P.O. 277806	T	Wilson	100,558.00	138,000	\$ 218,828.32	0.0158	N/A
					<u>100,558.00</u>		<u>\$ 218,828.32</u>		
<u>Oil - Coal Handling</u>									
					<u>-</u>	138,000	<u>\$ -</u>	0.0000	N/A
<u>Natural Gas</u>									
CIMA Energy (3)	P	BRE-14-G07	P	Green	12,134.00	1,000,000	\$ 39,704.58	0.0033	N/A
ECO-Energy (3)	P	BRE-22-G07	P	Green	89,531.00	1,000,000	\$ 305,999.00	0.0034	N/A
Twin Eagle Resource Mangement, LLC (3)	P	BRE-24-G02	P	Green	44,765.00	1,000,000	\$ 123,518.30	0.0028	N/A
Tenaska Marketing Ventures (3)	P	BRE-11-G06	P	Green	22,297.00	1,000,000	\$ 65,089.75	0.0029	N/A
NRG Business Marketing LLC (3)	P	BRE-22-G08	P	Green	311,534.00	1,000,000	\$ 968,377.17	0.0031	N/A
Constellation Energy Generation, LLC (3)	P	BRE-24-G01	P	Green	2,790.00	1,000,000	\$ 8,661.20	0.0031	N/A
Texas Gas Transmission (3)	P	BRE 10-G01	P	Green	-	1,000,000	\$ 256,089.13	0.0000	N/A
Fuel Qty and Pipe Imbalance (2)	P			Green	(13,922.00)	1,000,000	\$ -	0.0000	N/A
					<u>469,129.00</u>	1,000,000	<u>\$ 1,767,439.13</u>	0.0038	N/A

Footnotes:

- (1) BREC purchased and used 0 MMBtu for the Reid CT in December 2024.
- (2) Gas quantity cuts from scheduled gas and +/- pipe imbalance beg/end of month.
- (3) BREC purchased 469,129 MMBtu for Green Unit 1 & 2 in December 2024.

Designated by Symbol
 (b) P = Producer
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Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: Reid

For the Month of: December 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	0	0
	c. Net Demonstrated Capability (MW)	65	65	130
	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)	0	0	0
	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	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: December 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)	(55)	(55)	(110)
	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: December 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)	69	82	151
	c. Net Demonstrated Capability (MW)	231	223	454
	d. Net Capability Factor(L1b/L1c) (%)	29.9%	36.8%	33.3%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	18,297	20,085	38,382
	c. Net Generation (MWH)	14,124	15,986	30,110
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	0	0
3.	Operation Availability:			
	a. Hours Unit Operated	205.6	194.8	400.4
	b. Hours Available	739.9	623.3	1,363.2
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	99.4%	83.8%	91.6%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0461	0.0460	0.0460
	b. Net Generation - FAC Basis (cents/KWH)	0.0597	0.0578	0.0587
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: December 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)	364	364
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	87.4%	87.4%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	676,865	676,865
	b. Gross Generation (MWH)	71,058	71,058
	c. Net Generation (MWH)	61,570	61,570
	d. Heat Rate(L2a/L2c) (BTU/KWH)	10,993	10,993
3.	Operation Availability:		
	a. Hours Unit Operated	169.0	169.0
	b. Hours Available	169.0	169.0
	c. Hours During the Period	744.0	744.0
	d. Availability Factor(L3b/L3c) (%)	22.7%	22.7%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0249	0.0249
	b. Net Generation - FAC Basis (cents/KWH)	0.0288	0.0288
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	127	127

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.