



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

May 07, 2024

RECEIVED

MAY 08 2024

PUBLIC SERVICE
COMMISSION

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 March 2024

Dear Executive Director:

Enclosed is Big Rivers' Form B in support of the FAC filing for the month ending March 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 black 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: March 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	<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>	0.0000 ¢ 0.0000 ¢	<u>0.00</u>	<u>\$0.0000</u> <u>\$0.0000</u>
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	\$41,160,129.55	19,772,883.63	208.1645 ¢	857,403.93	\$48.0055
Purchases (1)	<u>4,412,025.23</u>	<u>2,096,888.55</u>	210.4082 ¢	<u>89,616.70</u>	\$49.2322
Sub-total	45,572,154.78	21,869,772.18	208.3797 ¢	947,020.63	\$48.1216
Less Fuel Burned	1,985,255.94	952,711.05	208.3796 ¢	41,254.98	\$48.1216
Physical Inventory Adjustment	<u>-</u>	<u>-</u>	0.0000	<u>-</u>	\$0.0000
Ending Inventory	\$43,586,898.84	20,917,061.13	208.3797 ¢	905,765.65	\$48.1216
	<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>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Total Combined Inventory	<u>\$43,586,898.84</u>	<u>20,917,061.13</u>	208.3797 ¢	<u>905,765.65</u>	\$48.1216

Footnotes:

(1) There was no repair invoices in March 2024. Freight charges are allocated on tons unloaded during the current month to the stations. The freight cost for March 2024 for Wilson Station was \$6.462337672 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 March 2024 was 0 tons for Wilson Station.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: March 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: March 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 March 2024.
- (2) Transfer out of fuel oil from Reid Combustion Turbine to Wilson Station March 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: March 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	239,333.96	\$682,431.96	285.1380	¢
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	239,333.96	682,431.96	285.1380	¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	20,121.00	57,372.61	285.1380	¢
Ending Inventory	219,212.96	625,059.35	285.1380	¢

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	219,212.96	\$625,059.35	285.1380	¢

Footnotes:

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

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid Combustion Turbine

Month Ended: March 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)	12,090.00	26,663.24	2.2054	MMBtu
Purchase Adjustment (2)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>12,090.00</u>	<u>26,663.24</u>	2.2054	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)	12,090.00	26,663.24	2.2054	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)	628,511.00	1,386,080.10	2.2053	MMBtu
Purchase Adjustment (4)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>628,511.00</u>	<u>1,386,080.10</u>	2.2053	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)	628,511.00	1,386,080.10	2.2053	MMBtu
Ending Inventory	<u>0.00</u>	<u>\$0.00</u>	0.0000	MMBtu

Footnotes:

- (1) BREC purchased and used 12,090 MMBtu for the Reid CT in March 2024.
- (2) There was no purchase adjustments for the Reid CT in March 2024.
- (3) BREC purchased 628,511 MMBtu for Green Unit 1 & 2 in March 2024.
- (4) There was no purchase adjustments for Green Unit 1 & 2 in March 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	64,163,326	\$0	\$1,828,727	\$1,366,787	\$3,195,514
	KY National Guard	Available for system		Non-Displacement	8,861	\$0	\$0	\$170	\$170
	Southern Star	Available for system		Non-Displacement	66,874	\$0	\$0	\$1,293	\$1,293
	SEPA	Available for system		Non-Displacement	15,976,000	\$768,701	\$0	\$0	\$768,701
SUB-TOTAL(1)		Net Energy Cost - Economy Purchases			80,215,061	\$768,701	\$1,828,727	\$1,368,251	\$3,965,679
Footnote 1	MISO	Scheduled Outages:		Non-Displacement	187,126,542	\$0	\$5,333,318	(\$700,277)	\$4,633,041
	MISO	Domtar Purchases		Non-Displacement	1,182,880	\$0	\$33,713	(\$8,246)	\$25,468
	MISO-Paducah	Blockware		Non-Displacement	16,650,522	\$0	\$474,559	(\$110,207)	\$364,352
	MISO	Intersystem Sale		Non-Displacement	302,000	\$0	\$8,607	(\$13,938)	(\$5,330)
	MISO	Cover Load & Lack of Generation		Non-Displacement	3,916,001	\$0	\$111,610	\$45,044	\$156,654
	Various	Capacity Purchases		Non-Displacement	0	\$483,750	\$0	\$0	\$483,750
SUB-Total(2)		Identifiable fuel cost (Total Other Purchases)			209,177,945	\$483,750	\$5,961,808	(\$787,624)	\$5,657,934
	MISO	Purchases for Forced Outages (> 6 hrs.):		Non-Displacement	203,456	\$0	\$5,799	(\$1,988)	\$3,811
SUB-TOTAL(3)		Identifiable fuel cost (substitute for Forced Outage)			203,456	\$0	\$5,799	(\$1,988)	\$3,811
					289,596,462	\$1,252,451	\$7,796,334	\$578,639	\$9,627,424
LESS: PURCHASED FOR SUPPLEMENTAL OR BACKUP SALES					0	\$0	\$0	\$0	\$0.00
TOTAL(4)		Total Purchased Power			289,596,462	\$1,252,451	\$7,796,334	\$578,639	\$9,627,424
Sales									
Footnote 2		Purchased Power:							
	DTE/EDF/NextEra/Morgan Stanley Indiana Hub(BTB)		\$28.501(System Average)	MISO (BTB)	302,000	\$0	\$8,607	\$1,146,693	\$1,155,300
SUB-TOTAL(1)					302,000	\$0	\$8,607	\$1,146,693	\$1,155,300
Footnote 2		Generation:							
	MISO:	BREC	\$28.501(System Average)	Coal-Petcoke Fired	112,474,709	\$0	\$3,205,657	(\$107,439)	\$3,098,218
Footnote 2	HMP&L	BREC	\$28.501(System Average)	Coal-Petcoke Fired	0	\$0	\$0	\$408	\$408
SUB-TOTAL(2)					112,474,709	\$0	\$3,205,657	(\$107,031)	\$3,098,625
LOSSES ACROSS OTHER SYSTEMS(NOT BILLED) (Footnote 3)					11,060,601	\$0	\$0	\$0	\$0
TOTAL(3)					123,837,310	\$0	\$3,214,264	\$1,039,662	\$4,253,926
	Interchange In				387,478,345	\$0	\$0	\$0	\$0
	Interchange Out				380,639,685	\$0	\$0	\$0	\$0
	Net Interchange				6,838,660	\$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 \$28.501 mills. There was a true-up of total energy dollars of (\$37,878.34) in March 2024 from the S55 January 2024 resettlement. There was no impact to volume from the true-up made in March 2024 for January 2024 S55 resettlement. HMP&L was also invoiced \$407.64 for Auxiliary Power for March 2024.

Footnote 3: The calculated line losses for March 2024 activity was 11,060,601.

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	Executi on	Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
3/1-3/31		1,182.880	\$ 21.530	\$ 25,467.76		Domtar	Back-Up Power	\$ 43.052	\$ -	\$ -
		1,182.880		\$ 25,467.76			Back-Up Power Total			\$ -
3/1-3/31		-	\$ -	\$ -		SIPC	Cong/Loss Rebates	\$ 43.052	\$ -	\$ -
3/1-3/31		-	\$ -	\$ -		AECI	Cong/Loss Rebates	\$ 43.052	\$ -	\$ -
		-	\$ -	\$ -			Cong/Loss Rebates Total			\$ -
3/1-3/31		-	\$ -	\$ -		SIPC	DA RSG	\$ 43.052	\$ -	\$ -
3/1-3/31		-	\$ -	\$ -		AECI	DA RSG	\$ 43.052	\$ -	\$ -
		-	\$ -	\$ -			DA RSG Total			\$ -
3/1-3/31		-	\$ -	\$ -		AECI	DA/RT Settle Adj	\$ 43.052	\$ -	\$ -
		-	\$ -	\$ -			DA/RT Settle Adj Total			\$ -
3/1	HE 3-5, 10-16,18,20-24	2,018.600	\$ 27.000	\$ 54,503.18	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/1	HE 1-3, 5-9, 11-17, 19-20, 22	54.314	\$ 710.348	\$ 38,581.84	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ 667.296
3/2	HE 1-6,13-17,21-24	2,247.500	\$ 27.755	\$ 62,378.63	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/2	HE 5,7,10-16,18, 21-23	697.964	\$ 21.926	\$ 15,303.46	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/3	HE 1-24	4,514.200	\$ 20.162	\$ 91,014.69	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/3	HE 1-3,5-11,13-15, 17-21	915.754	\$ 16.733	\$ 15,323.74	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/4	HE 1-6,10-18,21-24	2,086.400	\$ 19.030	\$ 39,704.82	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/4	HE 7-10,12-15,22	176.127	\$ 19.973	\$ 3,517.70	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/5	HE 1-6	733.700	\$ 13.731	\$ 10,074.58	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/5	HE 7-11, 13-21, 23	1,491.932	\$ 22.566	\$ 33,667.57	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/6	HE	-	\$ -	\$ -	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/6	HE 8-24	3,945.164	\$ 19.946	\$ 78,688.80	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/7	HE	-	\$ -	\$ -	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/7	HE 6-15, 18, 22-24	2,074.898	\$ 23.850	\$ 49,486.77	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/8	HE 4, 13, 15-16, 22	72.500	\$ 20.845	\$ 1,511.29	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/8	HE 1-3, 5-12, 24	740.991	\$ 22.286	\$ 16,514.00	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/9	HE 2-6	220.500	\$ 14.280	\$ 3,148.80	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/9	HE 1, 7-9, 11-24	2,087.354	\$ 21.982	\$ 45,885.08	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/10	HE 4, 14-17	60.600	\$ 17.928	\$ 1,086.45	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/10	HE 1-15,17-19	2,404.335	\$ 18.084	\$ 43,479.51	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/11	HE 12-20,22-24	2,656.000	\$ 19.574	\$ 51,987.75	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/11	HE 8-11, 18-24	1,696.848	\$ 20.353	\$ 34,535.30	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/12	HE 1-6, 8-24	7,119.000	\$ 19.755	\$ 140,634.52	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/12	HE 1-12,16-17, 23	1,565.827	\$ 22.230	\$ 34,808.41	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/13	HE 1-17,22-24	5,354.000	\$ 20.338	\$ 108,891.51	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/13	HE 8-9, 11-13, 16-20, 22-23	618.608	\$ 21.991	\$ 13,603.81	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/14	HE 1-7, 9-15,22-24	3,684.700	\$ 18.732	\$ 69,023.27	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/14	HE 8,11-18, 20-23	1,838.086	\$ 20.416	\$ 37,526.75	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/15	HE 1-24	10,118.000	\$ 20.420	\$ 206,611.14	Buy Power	Day Ahead	MISO	Economic	\$ 43.052	\$ -
3/15	HE 2-10,12-18, 20-24	388.283	\$ 20.302	\$ 7,883.09	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/16	HE 1-15, 17-24	44.478	\$ 29.844	\$ 1,327.40	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/17	HE	-	\$ -	\$ -	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/18	HE 10, 12-13, 15-18, 22, 24	339.272	\$ 30.508	\$ 10,350.58	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/19	HE 1, 4, 6, 9-11, 13-14, 17-18, 2	375.629	\$ 25.844	\$ 9,707.92	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/20	HE 1-3, 6-7, 10, 15, 17-18, 21-2	123.748	\$ 13.796	\$ 1,707.19	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/21	HE 1-2, 6-9, 11-12,14-16,20-24	125.934	\$ 23.004	\$ 2,896.93	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/22	HE 1-6, 8-17, 19-24	131.365	\$ 15.815	\$ 2,077.55	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/23	HE 1-7, 9	61.337	\$ 23.807	\$ 1,460.27	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/24	HE 5,8,20-24	22.802	\$ 22.172	\$ 505.57	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/25	HE 1-7, 11-12,16-21,23-24	141.989	\$ 22.792	\$ 3,236.19	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/26	HE 1-10,12-13	187.920	\$ 18.215	\$ 3,422.91	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/27	HE 5,8,13-14,16-18,20-23	267.629	\$ 22.466	\$ 6,012.66	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/28	HE 1-4,6-8,11,13,15-16,18-24	278.905	\$ 17.912	\$ 4,995.61	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/29	HE 1-6,8-10,12,14,16-23	197.003	\$ 28.019	\$ 5,519.79	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/30	HE 1-24	220.881	\$ 19.961	\$ 4,408.91	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/31	HE 8-18,20	62.249	\$ 17.993	\$ 1,120.03	Buy Power	Real Time	MISO	Economic	\$ 43.052	\$ -
3/1-3/31		-	\$ -	\$ 3,117,360.00	Buy Hedge	AEP Energy Part	Economic	\$ 43.052	\$ -	\$ -
3/1-3/31		-	\$ -	\$ 1,238,720.00	Buy Hedge	Macquarie Ener	Economic	\$ 43.052	\$ -	\$ -

(3)

DATE	HE	MWh	PRICE	TOTAL Cost	Buy	Hedge	Executi on	Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
3/1-3/31		-	\$ -	\$ 467,604.00	Buy	Hedge		Morgan Stanley Capit	Economic	\$ 43.052	\$ -	\$ -
3/1-3/31		-	\$ -	\$ (2,965,230.85)	Buy	Hedge		MISO Energy	Economic	\$ 43.052	\$ -	\$ -
3/1-3/31		-	\$ -	\$ (31,064.71)	Buy	Hedge		MISO Energy	Economic	\$ 43.052	\$ -	\$ -
		64,163.326		\$ 3,195,514.41					Economic Total			\$ 36,243.53
3/1-3/31		-	\$ -	\$ -				AECI	MISO Energy Charges - AECI	\$ 43.052	\$ -	\$ -
		-	\$ -	\$ -					MISO Energy Charges - AECI Total			\$ -
3/1-3/31		16,650.522	\$ 21.882	\$ 364,351.97				PADUCAH1	MISO Energy Charges - PADUCAH1	\$ 43.052	\$ -	\$ -
		16,650.522		\$ 364,351.97					MISO Energy Charges - PADUCAH1 Total			\$ -
3/1-3/31		28,300.000	\$ 23.564	\$ 666,856.25				SIPC	MISO Energy Charges - SIPC	\$ 43.052	\$ -	\$ -
		28,300.000		\$ 666,856.25					MISO Energy Charges - SIPC Total			\$ -
3/4	HE12-23	203.456	\$ 18.731	\$ 3,810.84	Buy	Power	Real Time	MISO	Outage G2-24-04	\$ 43.052	\$ -	\$ -
		203.456		\$ 3,810.84					Outage G2-24-04 Total (FO>6)			\$ -
3/16	HE 1-24	10,246.000	\$ 19.605	\$ 200,874.40	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/16	HE 3-7, 11-13, 18-23	387.658	\$ 14.921	\$ 5,784.21	Buy	Power	Real Time	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/17	HE 1-24	10,677.000	\$ 17.283	\$ 184,532.42	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/18	HE 1-6, 9-19, 21-24	11,331.000	\$ 25.210	\$ 285,659.55	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/18	HE 7-8, 20	1,478.000	\$ 48.044	\$ 71,008.86	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ 4.992	\$ 7,378.37
3/19	HE 1-5, 9-24	11,611.000	\$ 26.094	\$ 302,972.72	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/19	HE 6-8	1,563.000	\$ 56.763	\$ 88,720.71	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ 13.711	\$ 21,430.83
3/20	HE 1-19, 21-24	11,819.000	\$ 26.982	\$ 318,902.39	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/20	HE 2, 6-7, 17, 22	193.258	\$ 25.107	\$ 4,852.14	Buy	Power	Real Time	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/20	HE 20	424.000	\$ 56.777	\$ 24,073.40	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ 13.725	\$ 5,819.46
3/21	HE 1-5, 9-24	12,107.000	\$ 27.425	\$ 332,032.33	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/21	HE 7-8, 15, 21-23	311.547	\$ 23.857	\$ 7,432.69	Buy	Power	Real Time	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/21	HE 6-8	1,416.000	\$ 60.342	\$ 85,444.21	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ 17.290	\$ 24,482.93
3/22	HE 1-6, 8-24	11,137.000	\$ 24.781	\$ 275,981.64	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/22	HE 2-4, 11-16, 23	201.658	\$ 31.864	\$ 6,425.69	Buy	Power	Real Time	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/22	HE 7	444.000	\$ 50.347	\$ 22,354.02	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ 7.295	\$ 3,239.04
3/23	HE 1-24	11,277.000	\$ 22.511	\$ 253,859.86	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/24	HE 1-24	10,992.000	\$ 23.792	\$ 261,523.69	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/25	HE 1-6, 8-24	10,986.000	\$ 22.331	\$ 245,325.32	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/25	HE 7	391.000	\$ 51.307	\$ 20,060.89	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ 8.255	\$ 3,227.66
3/26	HE 1-24	10,906.000	\$ 22.027	\$ 240,226.47	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/27	HE 1-6,8-19,21-24	10,466.000	\$ 25.158	\$ 263,301.56	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/27	HE 7,20	937.000	\$ 46.347	\$ 43,427.05	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ 3.295	\$ 3,087.56
3/28	HE 1-5,9-24	11,306.700	\$ 25.853	\$ 292,315.97	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/28	HE 9, 19-23	371.259	\$ 25.107	\$ 9,321.25	Buy	Power	Real Time	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/28	HE 6-8	1,324.000	\$ 54.873	\$ 72,651.71	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ 11.821	\$ 15,651.19
3/29	HE 1-24	11,679.000	\$ 22.344	\$ 260,956.37	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/29	HE 3, 5, 18-22	514.369	\$ 19.929	\$ 10,251.04	Buy	Power	Real Time	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/30	HE 1-24	9,984.000	\$ 21.696	\$ 216,611.24	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/30	HE 3, 11, 13-17	414.546	\$ 19.752	\$ 8,187.92	Buy	Power	Real Time	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/31	HE 1-24	10,129.000	\$ 21.339	\$ 216,141.70	Buy	Power	Day Ahead	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
3/31	HE 9-15, 18	101.547	\$ 17.996	\$ 1,827.41	Buy	Power	Real Time	MISO	Outage W1-24-04	\$ 43.052	\$ -	\$ -
		187,126.542		\$ 4,633,040.83					Outage W1-24-04 Total (MO)			\$ 84,317.04
3/1-3/31		-	\$ -	\$ 6.80				PJM	PJM Fees (Transmission Only)	\$ 43.052	\$ -	\$ -
		-	\$ -	\$ 6.80					PJM Fees (Transmission Only) Total			\$ -
3/1-3/31		(27,998.000)	\$ 24.009	\$ (672,193.46)				SIPC/AECI	SIPC/AECI GFA Transactions	\$ 43.052	\$ -	\$ -
		(27,998.000)		\$ (672,193.46)					SIPC/AECI GFA Transactions Total			\$ -
3/1	HE 17, 19	277.000	\$ 47.541	\$ 13,168.77	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 4.489	\$ 1,243.44
3/1	HE 21,23	1,564.080	\$ 1.500	\$ 2,345.55	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ -	\$ -
3/2	HE 7-12,18-20	946.000	\$ 63.303	\$ 59,884.85	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 20.251	\$ 19,157.90
3/4	HE 9, 20	17.000	\$ 104.641	\$ 1,778.89	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 61.589	\$ 1,047.01
3/6	HE 7	85.956	\$ 67.325	\$ 5,786.98	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 24.273	\$ 2,086.42
3/7	HE 1	2.600	\$ 55.658	\$ 144.71	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 12.606	\$ 32.78
3/10	HE 20-21	332.150	\$ 69.581	\$ 23,111.38	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 26.529	\$ 8,811.74
3/11	HE 7	14.210	\$ 43.605	\$ 619.63	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 0.553	\$ 7.86
3/12	HE 7	100.000	\$ 43.448	\$ 4,344.76	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 0.396	\$ 39.59

(1)

BIG RIVERS ELECTRIC CORPORATION
PURCHASES
March 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	
3/12	HE 19	3.974	\$ 77.909	\$ 309.61	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 34.857	\$ 138.52
3/13	HE 7	39.435	\$ 46.377	\$ 1,828.88	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 3.325	\$ 131.13
3/14	HE 7,19	75.934	\$ 46.128	\$ 3,502.71	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 3.077	\$ 233.62
3/15	HE 11,19	27.732	\$ 62.915	\$ 1,744.76	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 19.863	\$ 550.85
3/17	HE 8	0.982	\$ 11.507	\$ 11.30	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ -	\$ -
3/18	HE 19-21,23	236.879	\$ 67.302	\$ 15,942.53	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 24.251	\$ 5,744.47
3/19	HE 7	15.851	\$ 89.642	\$ 1,420.92	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 46.591	\$ 738.51
3/22	HE 7, 18	35.371	\$ 320.425	\$ 11,333.77	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 277.374	\$ 9,810.99
3/23	HE 8,10	16.289	\$ 71.930	\$ 1,171.66	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 28.878	\$ 470.39
3/24	HE 3-4	3.498	\$ 198.076	\$ 692.87	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 155.024	\$ 542.27
3/27	HE 9,24	79.268	\$ 47.670	\$ 3,778.71	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 4.618	\$ 366.08
3/28	HE 19	41.792	\$ 89.270	\$ 3,730.79	Buy	Power	Real Time MISO	To Cover Load and Lack of Generation	\$ 43.052	\$ 46.219	\$ 1,931.57
		3,916.001		\$ 156,654.03				To Cover Load and Lack of Generation Total			\$ 53,085.14
		273,544.727		\$ 8,373,509.43				Grand Total			\$ 173,645.71
	Plus: SEPA	15,976.000	\$ 48.116	\$ 768,700.62							
	Plus: KY National Guard	8.861	\$ 19.215	\$ 170.26							
	Plus: Southern Star	66.874	\$ 19.340	\$ 1,293.31							
	Plus: Capacity Purchases	-	\$ -	\$ 483,750.00							
	Total Purchased Power	289,596.462	\$ 33.244	\$ 9,627,423.62							

(4)

Recon to Nodal (S7):

Total MISO Purchased Power (Above):	273,544.727	\$ 8,373,509.43
Less: Purchases for Domtar Back-Up Power	1,182.880	\$ 25,467.76
Less: SIPC Charges	28,300.000	\$ 666,856.25
Less: SIPC GFA Transactions	(27,998.000)	\$ (672,193.46)
Less: PJM Transactions	-	\$ 6.80
Less: AECI Charges	-	-
Less: Purchased Power Hedges	-	\$ 1,827,388.44
Total MISO Purchases Above (Excl. SIPC & Domtar):	272,059.847	\$ 6,525,983.64
Total MISO Purchased Power per S7 Nodal Report:	255,409.325	\$ 6,161,631.67
Total MISO Purchased Power per S7 Nodal Report:	16,650.522	\$ 364,351.97
Difference:	-	\$ 0.00

(A) Total Purchases over Highest Cost Unit	\$ 173,645.71
(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	\$ -
(4) Purchases above Highest Cost Unit for Outages < 6 hours economic purchases, Scheduled Outages & cover Load & lack of Gen.	\$ 53,085.14
(5) Total Purchases above Highest Cost Unit (A)-(1) (For Form A Filing)	\$ 173,645.71

**BIG RIVERS ELECTRIC CORPORATION
FUEL BURNED**

MONTH OF **03/31/24**

	MONTH OF	TON/GAL/MCF	Cost	Gross KWH	TRUE NET KWH	Mills/KWH
Reid			\$ -	0	0	0.000
Coal	-	\$ -				
Oil	-	\$ -				
Gas Turbine			\$ 26,663.24	718,350	619,330	43.052
Oil	-	\$ -				
Gas	11,893.00	\$ 26,663.24				
Wilson			\$ 2,042,628.55	94,458,450	85,265,180	23.956
Coal	41,254.98	\$ 1,985,255.94				
PetCoke	-	\$ -				
Oil	20,121.00	\$ 57,372.61				
H1 (net of city take)			\$ -	0	(36,311)	0.000
Coal	-	\$ -				
Oil	-	\$ -				
H2 (net of city take)			\$ -	0	(36,310)	0.000
Coal	-	\$ -				
Oil	-	\$ -				
Station Two			\$ -	0	(72,621)	0.000
Coal	-	\$ -				
Oil	-	\$ -				
G1			\$ 734,391.55	30,051,452	25,588,881	28.700
Coal	-	\$ -				
PetCoke	-	\$ -				
Gas	328,477.00	\$ 734,391.55				
G2			\$ 651,688.55	25,016,750	20,823,514	31.296
Coal	-	\$ -				
PetCoke	-	\$ -				
Gas	293,352.00	\$ 651,688.55				
Green			\$ 1,386,080.10	55,068,202	46,412,395	29.864
Coal	0.00	\$ -				
PetCoke	-	\$ -				
Gas	621,829.00	\$ 1,386,080.10				
SYSTEM TOTAL			\$ 3,455,371.89	150,245,002	132,224,284	26.133
					11,060,601	
					121,163,683	28.518
					(72,621)	
					121,236,304	28.501
Coal		\$	1,985,255.94			
Pet Coke		\$	-			
Oil		\$	57,372.61			
Gas		\$	1,412,743.34			
		\$	<u>3,455,371.89</u>			

**Reid Combustion Turbine
March 31, 2024**

Form B

Date	Service Hours	Net MWh	MCF	Gas Cost	Natural Gas Cost	Texas Gas Transportation	Total Cost	\$MWh
3/18/24	5.33		3408					
3/19/24	3.07		1578					
3/20/24	5.38		2200					
3/21/24	5.35		2884.5					
3/28/24	4.320		1853.00					
Average	23.45	619.333	1,853.00	\$ 14.39	\$ 18,644.82	\$ 8,018.42	\$ 26,663.240	\$ 43.05

The Reid Combustion Turbine (CT) was placed in Automatic Dispatch System on March 18th-21st and 28th, 2024. MISO called upon the Reid CT 23.450 hours. The Reid CT was available 743 hours.

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF COAL PURCHASED FOR FUEL CLAUSE BACKUP
March 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	33,645.69	11,532	776,005.38	46.3286	200.8694	6.4623	28.0191	52.7909	228.8886	2.95	9.09	11.59
American Consolidated Natural Resources - 1005	P	20-001	T	U	WKY	55,971.01	11,800	1,320,883.16	43.2729	183.3643	3.8200	16.1868	47.0929	199.5512	2.76	9.85	9.61
Total Contract					89,616.70	11,699	2,096,888.54	44.4201	189.8425	4.8120	20.5657	49.2322	210.4082	2.83	9.56	10.35	
SPOT CONTRACT																	
Total Spot					0.00	-	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
TOTAL WILSON STATION					89,616.70	11,699	2,096,888.54	44.4201	189.8425	4.8120	20.5657	49.2322	210.4082	2.83	9.56	10.35	
TOTAL BIG RIVERS SYSTEM					89,616.70	11,699	2,096,888.54	44.4201	189.8425	4.8120	20.5657	49.2322	210.4082	2.83	9.56	10.35	

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
March 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
March 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	\$ 8,018.41	0.0000	N/A
NRG Business Marketing (1)	P	BRE-22-G08	P	Reid CT	283.00	1,000,000	\$ 410.50	0.0015	N/A
ECO-Energy (1)	P	BRE-22-G07	P	Reid CT	2,533.00	1,000,000	\$ 3,880.29	0.0015	N/A
CIMA Energy, LTD (1)	P	BRE-14-G07	P	Reid CT	1,471.00	1,000,000	\$ 2,350.63	0.0016	N/A
Tenaska Marketing Ventures (1)	P	BRE-11-G06	P	Reid CT	7,622.00	1,000,000	\$ 12,003.41	0.0016	N/A
Fuel Qtv and Pipe Imbalance (2)	P			Reid CT	181.00	1,000,000	\$ -	0.0000	N/A
NRG Business Marketing (3)	P	BRE-22-G08	P	Green	14,717.00	1,000,000	\$ 21,339.50	0.0014	N/A
ECO-Energy (3)	P	BRE-22-G07	P	Green	131,703.00	1,000,000	\$ 201,715.39	0.0015	N/A
CIMA Energy, LTD (3)	P	BRE-14-G07	P	Green	76,488.00	1,000,000	\$ 122,196.92	0.0016	N/A
Tenaska Marketing Ventures (3)	P	BRE-11-G06	P	Green	396,203.00	1,000,000	\$ 623,993.40	0.0016	N/A
Texas Gas Transmission (3)	P	BRE 10-G01	P	Green	-	1,000,000	\$ 416,834.89	0.0000	N/A
Fuel Qtv and Pipe Imbalance (2)	P			Green	9,400.00	1,000,000	\$ -	0.0000	N/A
					640,601.00	1,000,000	\$ 1,412,743.34	0.0022	N/A

Footnotes:

- (1) BREC purchased and used 12,090 MMBtu for the Reid CT in March 2024.
- (2) Gas quantity cuts from scheduled gas and +/- pipe imbalance beg/end of month.
- (3) BREC purchased 628,511 MMBtu for Green Unit 1 & 2 in March 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: March 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	26	0
	c. Net Demonstrated Capability (MW)	65	65	130
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	40.5%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	11,893	11,893
	b. Gross Generation (MWH)	0	718	718
	c. Net Generation (MWH)	0	619	619
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	19,203	19,203
3.	Operation Availability:			
	a. Hours Unit Operated	0.0	23.5	23.5
	b. Hours Available	0.0	743.0	743.0
	c. Hours During the Period	743.0	743.0	1,486.0
	d. Availability Factor(L3b/L3c) (%)	0.0%	100.0%	50.0%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0000	0.0371	0.0371
	b. Net Generation - FAC Basis (cents/KWH)	0.0000	0.0431	0.0431
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: March 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)	(36)	(36)	(73)
	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	743.0	743.0	1,486.0
	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: March 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)	95	86	181
	c. Net Demonstrated Capability (MW)	231	223	454
	d. Net Capability Factor(L1b/L1c) (%)	41.1%	38.6%	39.9%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	30,051	25,017	55,068
	c. Net Generation (MWH)	25,589	20,824	46,412
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	0	0
3.	Operation Availability:			
	a. Hours Unit Operated	270.6	241.8	512.4
	b. Hours Available	737.8	731.7	1,469.5
	c. Hours During the Period	743.0	743.0	1,486.0
	d. Availability Factor(L3b/L3c) (%)	99.3%	98.5%	98.9%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0244	0.0261	0.0252
	b. Net Generation - FAC Basis (cents/KWH)	0.0287	0.0313	0.0299
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: March 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)	332	332
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	79.6%	79.6%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	952,711	952,711
	b. Gross Generation (MWH)	94,458	94,458
	c. Net Generation (MWH)	85,265	85,265
	d. Heat Rate(L2a/L2c) (BTU/KWH)	11,174	11,174
3.	Operation Availability:		
	a. Hours Unit Operated	256.9	256.9
	b. Hours Available	359.0	359.0
	c. Hours During the Period	743.0	743.0
	d. Availability Factor(L3b/L3c) (%)	48.3%	48.3%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0216	0.0216
	b. Net Generation - FAC Basis (cents/KWH)	0.0240	0.0240
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	200	200

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.