



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

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APR 03 2024

PUBLIC SERVICE
COMMISSION

April 04, 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 February 2024

Dear Executive Director:

Enclosed is Big Rivers' Form B in support of the FAC filing for the month ending February 29, 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: February 29, 2024

	<u>Fuel</u>		<u>Coal</u>		
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
<i>HMP&L Station Two</i>					
Beginning Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
Purchases	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Transfer to Green Station	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Sub-total	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Less Fuel Burned City of Henderson Shortfall	<u>0.00</u>	<u>0.00</u>	<u>0.0000 ¢</u>	<u>0.00</u>	<u>\$0.0000</u>
Ending Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
<i>Green</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
Purchases (1)	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Sub-total	0.00	0.00	0.0000 ¢	0.00	\$0.0000
Less Fuel Burned	0.00	0.00	0.0000	0.00	\$0.0000
Inventory Write-Off	<u>-</u>	<u>-</u>	0.0000	<u>-</u>	\$0.0000
Ending Inventory	\$0.00	\$0.00	0.0000 ¢	0.00	\$0.0000
<i>Wilson</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$39,614,997.86	19,122,883.17	207.1602 ¢	831,188.16	\$47.6607
Purchases (1)	<u>6,529,821.36</u>	<u>3,044,591.78</u>	214.4728 ¢	<u>130,051.51</u>	\$50.2095
Sub-total	46,144,819.22	22,167,474.95	208.1645 ¢	961,239.67	\$48.0055
Less Fuel Burned	4,984,689.67	2,394,591.32	208.1645 ¢	103,835.74	\$48.0055
Physical Inventory Adjustment	<u>-</u>	<u>-</u>	0.0000	<u>-</u>	\$0.0000
Ending Inventory	\$41,160,129.55	19,772,883.63	208.1645 ¢	857,403.93	\$48.0055
<i>Coal in Transit</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Coal In Transit (2)	<u>476,020.16</u>	<u>237,739.34</u>	200.2278 ¢	<u>10,309.67</u>	\$46.1722
Total Combined Inventory	<u>\$41,636,149.71</u>	<u>20,010,622.97</u>	208.0702 ¢	<u>867,713.60</u>	\$47.9837

Footnotes:

(1) There was no repair invoices in February 2024. Freight charges are allocated on tons unloaded during the current month to the stations. The freight cost for February 2024 for Wilson Station was \$5.741397041 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 February 2024 was 10,309.67 tons for Wilson Station.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: February 29, 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: February 29, 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 February 2024.
- (2) Transfer out of fuel oil from Reid Combustion Turbine to Wilson Station February 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: February 29, 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	213,197.84	\$597,067.26	280.0531	¢
Transfer In (2)	0.00	0.00	0.0000	¢
Adjustments (3)	0.00	0.00	0.0000	¢
Purchases	100,090.00	296,235.28	295.9689	¢
Sub-Total	313,287.84	893,302.54	285.1380	¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	73,953.88	210,870.58	285.1380	¢
Ending Inventory	239,333.96	682,431.96	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	<u>239,333.96</u>	<u>\$682,431.96</u>	285.1380	¢

Footnotes:

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

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid Combustion Turbine

Month Ended: February 29, 2024

Fuel: Natural Gas

Reid Combustion Turbine

	Units (MMBtu)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	MMBtu
Purchases (1)	8,689.00	20,016.57	2.3037	MMBtu
Purchase Adjustment (2)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>8,689.00</u>	<u>20,016.57</u>	2.3037	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)	8,689.00	20,016.57	2.3037	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)	364,268.00	839,145.51	2.3036	MMBtu
Purchase Adjustment (4)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>364,268.00</u>	<u>839,145.51</u>	2.3036	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)	364,268.00	839,145.51	2.3036	MMBtu
Ending Inventory	<u>0.00</u>	<u>\$0.00</u>	0.0000	MMBtu

Footnotes:

- (1) BREC purchased and used 8,689 MMBtu for the Reid CT in February 2024.
- (2) There was no purchase adjustments for the Reid CT in February 2024.
- (3) BREC purchased 364,268 MMBtu for Green Unit 1 & 2 in February 2024.
- (4) There was no purchase adjustments for Green Unit 1 & 2 in February 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	111,640,909	\$0	\$2,951,224	\$2,575,974	\$5,527,197
	KY National Guard	Available for system		Non-Displacement	5,924	\$0	\$0	\$135	\$135
	Southern Star	Available for system		Non-Displacement	62,277	\$0	\$0	\$1,732	\$1,732
	SEPA	Available for system		Non-Displacement	27,709,000	\$778,447	\$0	\$0	\$778,447
SUB-TOTAL(1)	Net Energy Cost - Economy Purchases				139,418,110	\$778,447	\$2,951,224	\$2,577,840	\$6,307,510
Footnote 1									
	MISO	Domtar Purchases		Non-Displacement	1,744,757	\$0	\$46,123	(\$1,744)	\$44,378
	MISO-Paducah	Blockware		Non-Displacement	15,611,601	\$0	\$412,691	(\$44,899)	\$367,792
	MISO	Intersystem Sale		Non-Displacement	1,953,000	\$0	\$51,627	(\$5,510)	\$46,117
	MISO	Cover Load & Lack of Generation		Non-Displacement	4,258,303	\$0	\$112,568	\$176,227	\$288,795
	Various	Capacity Purchases		Non-Displacement	0	\$483,750	\$0	\$0	\$483,750
SUB-Total(2)	Identifiable fuel cost (Total Other Purchases)				23,567,661	\$483,750	\$623,009	\$124,074	\$1,230,833
	MISO	Purchases for Forced Outages (> 6 hrs.):		Non-Displacement	28,772,560	\$0	\$760,602	\$6,108	\$766,710
SUB-TOTAL(3)	Identifiable fuel cost (substitute for Forced Outage)				28,772,560	\$0	\$760,602	\$6,108	\$766,710
					191,758,331	\$1,262,197	\$4,334,835	\$2,708,022	\$8,305,053
LESS: PURCHASED FOR SUPPLEMENTAL OR BACKUP SALES					0	\$0	\$0	\$0	\$0.00
TOTAL(4)	Total Purchased Power				191,758,331	\$1,262,197	\$4,334,835	\$2,708,022	\$8,305,053
Sales									
Purchased Power:									
Footnote 2	DTE/EDF/NextEra/Morgan Stanley Indiana Hub(BTB)		\$26.435(System Average)	MISO (BTB)	1,953,000	\$0	\$51,627	\$1,594,191	\$1,645,819
SUB-TOTAL(1)					1,953,000	\$0	\$51,627	\$1,594,191	\$1,645,819
Generation:									
Footnote 2	MISO:	BREC	\$26.435(System Average)	Coal-Petcoke Fired	119,662,973	\$0	\$3,163,287	(\$370,253)	\$2,793,034
Footnote 2	HMP&L	BREC	\$26.435(System Average)	Coal-Petcoke Fired	0	\$0	\$0	\$589	\$589
SUB-TOTAL(2)					119,662,973	\$0	\$3,163,287	(\$369,664)	\$2,793,623
LOSSES ACROSS OTHER SYSTEMS(NOT BILLED) (Footnote 3)					14,338,783	\$0	\$0	\$0	\$0
TOTAL(3)					135,954,756	\$0	\$3,214,914	\$1,224,527	\$4,439,442
	Interchange In				380,584,913	\$0	\$0	\$0	\$0
	Interchange Out				374,560,158	\$0	\$0	\$0	\$0
	Net Interchange				6,024,755	\$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 \$26.435 mills. There was a true-up of total energy dollars of (\$14,427.39) in February 2024 from the S55 December 2023 resettlement. There was no impact to volume from the true-up made in February 2024 for December 2023 S55 resettlement. HMP&L was also invoiced \$588.74 for Auxiliary Power for February 2024.

Footnote 3: The calculated line losses for February 2024 activity was 14,338,783.

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		Executio n		Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
2/1-2/29		1,744.757	\$ 25.435	\$ 44,378.12				Domtar	Back-Up Power	\$ 44.812	\$ -	\$ -
		1,744.757		\$ 44,378.12					Back-Up Power Total			\$ -
2/1-2/29		-	\$ -	\$ -				SIPC	Cong/Loss Rebates	\$ 44.812	\$ -	\$ -
2/1-2/29		-	\$ -	\$ -				AECI	Cong/Loss Rebates	\$ 44.812	\$ -	\$ -
		-	\$ -	\$ -					Cong/Loss Rebates Total			\$ -
2/1-2/29		-	\$ -	\$ -				SIPC	DA RSG	\$ 44.812	\$ -	\$ -
2/1-2/29		-	\$ -	\$ -				AECI	DA RSG	\$ 44.812	\$ -	\$ -
		-	\$ -	\$ -					DA RSG Total			\$ -
2/1-2/29		-	\$ -	\$ -				AECI	DA/RT Settle Adj	\$ 44.812	\$ -	\$ -
		-	\$ -	\$ -					DA/RT Settle Adj Total			\$ -
2/1	HE 1-24	3,395.000	\$ 26.566	\$ 90,190.31	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/1	HE	102.589	\$ 25.222	\$ 2,587.55	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/2	HE 1-24	932.000	\$ 29.030	\$ 27,056.38	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/2	HE 3-4, 6, 9, 18, 24	87.041	\$ 20.997	\$ 1,827.64	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/3	HE 1-24	4,251.000	\$ 23.747	\$ 100,948.35	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/3	HE 18-19	24.614	\$ 33.162	\$ 816.24	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/4	HE 1-24	10,638.000	\$ 24.224	\$ 257,699.04	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/4	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/5	HE 1, 6, 10-17, 20-24	1,639.000	\$ 33.508	\$ 54,920.38	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/5	HE 1-2, 17, 22-24	115.819	\$ 21.171	\$ 2,451.95	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/6	HE 1-6, 9-18, 20-24	2,642.000	\$ 30.358	\$ 80,205.73	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/6	HE 1-7, 10-16, 20, 24	609.342	\$ 22.346	\$ 13,616.40	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/7	HE 1-7, 9-24	3,111.000	\$ 27.220	\$ 84,681.09	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/7	HE 1-6, 13-15, 17, 19-20, 22-24	571.237	\$ 23.040	\$ 13,161.24	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/8	HE 1-6, 10-24	2,548.100	\$ 23.681	\$ 60,342.72	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/8	HE 1-6, 11-15, 17-22	1,041.998	\$ 18.484	\$ 19,260.49	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/9	HE 1-24	4,160.400	\$ 18.891	\$ 78,592.91	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/9	HE 7-12, 17-21	741.772	\$ 18.739	\$ 13,899.80	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/10	HE 1-7, 9-14, 16, 21-24	1,345.700	\$ 18.294	\$ 24,618.75	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/10	HE 7-18, 20-22, 24	1,324.172	\$ 22.625	\$ 29,959.67	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/11	HE 1-3, 6-8, 11-17, 21-24	733.600	\$ 26.614	\$ 19,523.71	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/11	HE 1-6, 14, 16-17, 21-24	373.790	\$ 23.718	\$ 8,865.67	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/12	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/12	HE 1-24	4,044.302	\$ 23.658	\$ 95,678.13	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/13	HE 6	10.000	\$ 35.558	\$ 355.58	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/13	HE 6-24	2,734.516	\$ 25.950	\$ 70,961.86	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/14	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/14	HE 6-24	3,533.685	\$ 21.633	\$ 76,444.29	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/15	HE 1-5, 7, 12, 16	391.000	\$ 19.268	\$ 7,533.70	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/15	HE 4, 6-10, 18-24	1,867.334	\$ 23.469	\$ 43,825.00	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/16	HE 2-4, 20-24	965.400	\$ 23.490	\$ 22,677.70	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/16	HE 1-2, 4-11, 14-24	3,544.505	\$ 25.525	\$ 90,473.00	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/17	HE 1-24	4,383.000	\$ 26.371	\$ 115,585.37	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/17	HE 2-17, 21-24	708.350	\$ 22.491	\$ 15,931.73	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/18	HE 1-17, 21-24	2,427.300	\$ 24.987	\$ 60,651.32	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/18	HE 1-24	2,272.993	\$ 21.268	\$ 48,342.49	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/19	HE 1-18, 20-24	3,125.000	\$ 28.446	\$ 88,894.04	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/19	1-7, 9-11, 13-17, 24	948.764	\$ 21.701	\$ 20,589.21	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/20	HE 1-7, 9-24	3,515.100	\$ 25.303	\$ 88,942.05	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/20	HE 10-11, 13-15, 17-24	1,169.579	\$ 23.069	\$ 26,980.56	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/21	HE 1-6, 10-18, 20-24	1,830.400	\$ 23.080	\$ 42,246.37	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/21	HE 5-7, 10-14, 17, 24	736.859	\$ 18.710	\$ 13,786.63	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/22	HE 1-7, 9-17, 21-24	1,831.200	\$ 23.836	\$ 43,648.87	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/22	HE 6-7, 16-19, 22-24	351.826	\$ 19.023	\$ 6,692.95	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/23	HE 1-24	6,415.400	\$ 22.620	\$ 145,116.65	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/23	HE 6, 9, 13, 16-23	294.790	\$ 21.376	\$ 6,301.43	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/24	HE 1-24	7,372.000	\$ 24.985	\$ 184,191.44	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/24	HE 10-12, 16, 20-24	346.251	\$ 22.900	\$ 7,929.19	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/25	HE 1-17, 20, 22-24	2,444.200	\$ 21.934	\$ 53,610.99	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -

(3)

PURCHASES

February 29, 2024

DATE	HE	MWh	PRICE	TOTAL Cost		Executio n		Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
2/25	HE 1-14, 18, 22-23	1,838.064	\$ 18.076	\$ 33,225.44	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/26	HE 1-6, 11-18, 21-24	1,373.800	\$ 23.427	\$ 32,184.01	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/26	HE 1-5, 10-14, 17-18	808.670	\$ 17.184	\$ 13,896.02	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/27	HE 1-6, 9-24	2,775.600	\$ 21.099	\$ 58,562.48	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/27	HE 7-23	1,337.469	\$ 16.394	\$ 21,926.58	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/28	HE 1-6	1,298.200	\$ 13.926	\$ 18,078.71	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/28	HE 8, 10-18, 21-22, 24	1,624.994	\$ 20.302	\$ 32,991.11	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/29	HE 4-6, 9-12, 16, 24	615.100	\$ 31.831	\$ 19,579.16	Buy	Power	Day Ahead	MISO	Economic	\$ 44.812	\$ -	\$ -
2/29	HE 1-3, 6, 9-21, 23	2,317.084	\$ 23.572	\$ 54,617.92	Buy	Power	Real Time	MISO	Economic	\$ 44.812	\$ -	\$ -
2/1-2/29	-	-	\$ -	\$ 4,993,974.00	Buy	Hedge	AEP Energy Part		Economic	\$ 44.812	\$ -	\$ -
2/1-2/29	-	-	\$ -	\$ 480,480.00	Buy	Hedge	Macquarie Ener		Economic	\$ 44.812	\$ -	\$ -
2/1-2/29	-	\$ -	\$ -	\$ (2,594,934.67)	Buy	Hedge	MISO		Economic	\$ 44.812	\$ -	\$ -
		111,640.909	\$ -	\$ 5,527,197.33					Economic Total			\$ -
2/1-2/29	-	\$ -	\$ -	\$ -			AECI		MISO Energy Charges - AECI	\$ 44.812	\$ -	\$ -
		-	\$ -	\$ -					MISO Energy Charges - AECI Total			\$ -
2/1-2/29		15,611.601	\$ 23.559	\$ 367,793.47			PADUCAH1		MISO Energy Charges - PADUCAH1	\$ 44.812	\$ -	\$ -
		15,611.601	\$ -	\$ 367,793.47					MISO Energy Charges - PADUCAH1 Total			\$ -
2/1-2/29		12,300.000	\$ 23.684	\$ 291,314.25			SIPC		MISO Energy Charges - SIPC	\$ 44.812	\$ -	\$ -
		12,300.000	\$ -	\$ 291,314.25					MISO Energy Charges - SIPC Total			\$ -
2/1-2/29	-	\$ -	\$ -	\$ -			MISO		Energy Charges-RLA Issue 2/7 HE20-2	\$ 44.812	\$ -	\$ -
		-	\$ -	\$ -					MISO Energy Charges-RLA Issue 2/7 HE20-2/8 HE1 Total			\$ -
2/11	HE 21-24	155.233	\$ 23.718	\$ 3,681.87	Buy	Power	Real Time	MISO	Outage G2-24-02	\$ 44.812	\$ -	\$ -
2/12	HE 1-6	748.257	\$ 23.658	\$ 17,701.90	Buy	Power	Real Time	MISO	Outage G2-24-02	\$ 44.812	\$ -	\$ -
		903.490	\$ -	\$ 21,383.77					Outage G2-24-02 Total (FO>6)			\$ -
2/1	HE 1-24	10,008.000	\$ 26.570	\$ 265,912.56	Buy	Power	Day Ahead	MISO	Outage W1-24-02	\$ 44.812	\$ -	\$ -
2/1	HE 3-5, 8-13, 17-24	488.443	\$ 25.222	\$ 12,319.75	Buy	Power	Real Time	MISO	Outage W1-24-02	\$ 44.812	\$ -	\$ -
2/2	HE 1-24	10,008.000	\$ 29.070	\$ 290,932.56	Buy	Power	Day Ahead	MISO	Outage W1-24-02	\$ 44.812	\$ -	\$ -
2/2	HE 3-4, 6, 9, 18, 24	104.254	\$ 20.997	\$ 2,189.06	Buy	Power	Real Time	MISO	Outage W1-24-02	\$ 44.812	\$ -	\$ -
2/3	HE 1-17	7,089.000	\$ 23.740	\$ 168,292.86	Buy	Power	Day Ahead	MISO	Outage W1-24-02	\$ 44.812	\$ -	\$ -
	HE 3-6, 8, 11-13	171.373	\$ 33.140	\$ 5,679.30	Buy	Power	Real Time	MISO	Outage W1-24-02	\$ 44.812	\$ -	\$ -
		27,869.070	\$ -	\$ 745,326.10					Outage W1-24-02 Total (FO>6)			\$ -
2/1-2/29	-	\$ -	\$ -	\$ 72.43			PJM		PJM Fees (Transmission Only)	\$ 44.812	\$ -	\$ -
		-	\$ -	\$ 72.43					PJM Fees (Transmission Only) Total			\$ -
2/1-2/29	(10,347.000)	\$ 23.704	\$ (245,269.53)				SIPC/AECI		SIPC/AECI GFA Transactions	\$ 44.812	\$ -	\$ -
	(10,347.000)	\$ -	\$ (245,269.53)						SIPC/AECI GFA Transactions Total			\$ -
2/2	HE 7, 17	85.737	\$ 54.979	\$ 4,713.77	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ 10.168	\$ 871.73
2/3	HE 7, 9-10	101.189	\$ 33.140	\$ 3,353.40	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ -	\$ -
2/5	HE 7-9, 18-19	593.000	\$ 52.244	\$ 30,980.80	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 7.432	\$ 4,407.36
2/6	HE 7-8, 19	395.000	\$ 52.018	\$ 20,547.07	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 7.206	\$ 2,846.38
2/7	HE 8, 19	66.003	\$ 65.881	\$ 4,348.37	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ 21.070	\$ 1,390.65
2/7	HE 8	167.000	\$ 46.291	\$ 7,730.58	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 1.479	\$ 247.00
2/8	HE 7-9	155.000	\$ 59.851	\$ 9,276.86	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 15.039	\$ 2,331.02
2/10	HE 19, 23	100.140	\$ 186.098	\$ 18,635.85	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ 141.286	\$ 14,148.39
2/10	HE 15, 17, 19	13.000	\$ 104.219	\$ 1,354.85	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 59.407	\$ 772.30
2/11	HE 4-5, 18-20	86.000	\$ 62.313	\$ 5,358.95	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 17.501	\$ 1,505.13
2/16	HE 3, 12-13	453.983	\$ 107.896	\$ 48,982.82	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ 63.084	\$ 28,638.99
2/17	HE 1, 20	107.204	\$ 87.807	\$ 9,413.23	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ 42.995	\$ 4,609.22
2/18	HE 18-20	132.000	\$ 51.005	\$ 6,732.71	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 6.194	\$ 817.54
2/19	HE 19	44.000	\$ 48.372	\$ 2,128.38	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 3.560	\$ 156.66
2/19	HE 8, 18	184.452	\$ 50.567	\$ 9,327.23	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ 5.755	\$ 1,061.59
2/20	HE 8	152.000	\$ 57.647	\$ 8,762.34	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 12.835	\$ 1,950.93
2/21	HE 7-9	165.000	\$ 60.222	\$ 9,936.60	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 15.410	\$ 2,542.64
2/22	HE 18-19	61.000	\$ 65.483	\$ 3,994.46	Buy	Power	Da Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 20.671	\$ 1,260.94
2/23	HE 24	0.087	\$ 49.540	\$ 4.31	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ 4.728	\$ 0.41
2/24	HE 19	19.374	\$ 123.824	\$ 2,398.97	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 44.812	\$ 79.012	\$ 1,530.78
2/25	HE 19	9.000	\$ 93.649	\$ 842.84	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 48.837	\$ 439.53
2/26	HE 7-10, 19-20	121.000	\$ 76.415	\$ 9,246.16	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 31.603	\$ 3,823.92
2/27	HE 7-8	297.000	\$ 52.041	\$ 15,456.23	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 7.229	\$ 2,147.10
2/28	HE 7-9, 23	284.000	\$ 60.647	\$ 17,223.84	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 44.812	\$ 15.835	\$ 4,497.27

PURCHASES

February 29, 2024

DATE	HE	MWh	PRICE	TOTAL Cost	Executio n	Counterpart y	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit	
2/28	HE 19-20, 23	318.167	\$ 83.981	\$ 26,719.93	Buy	Power	Real Time MISO	To cover load and lack of gen	\$ 44.812	\$ 39.169	\$ 12,462.27
2/29	HE 22	71.667	\$ 71.959	\$ 5,157.10	Buy	Power	Real Time MISO	To cover load and lack of gen	\$ 44.812	\$ 27.147	\$ 1,945.57
2/29	HE 15, 20-22	76.300	\$ 80.836	\$ 6,167.77	Buy	Power	Day Ahead MISO	To cover load and lack of gen	\$ 44.812	\$ 36.024	\$ 2,748.62
		4,258.303		\$ 288,795.42				To cover load and lack of gen Total			\$ 99,153.93
		163,981.130		\$ 7,040,991.35				Grand Total			\$ 99,153.93
	Plus: SEPA	27,709.000	\$ 28.094	\$ 778,446.83							
	Plus: KY National Guard	5.924	\$ 22.704	\$ 134.50							
	Plus: Southern Star	62.277	\$ 27.806	\$ 1,731.70							
	Plus: Capacity Purchases	-	\$ -	\$ 483,750.00							
	Total Purchased Power	191,758.331	\$ 43.310	\$ 8,305,054.38							

Recon to Nodal (S7):

Total MISO Purchased Power (Above):	163,981.130	\$ 7,040,991.35
Less: Purchases for Domtar Back-Up Power	1,744.757	\$ 44,378.12
Less: SIPC Charges	12,300.000	\$ 291,314.25
Less: SIPC GFA Transactions	(10,347.000)	\$ (245,269.53)
Less: PJM Transactions	-	\$ 72.43
Less: AECI Charges	-	-
Less: Purchased Power Hedges	-	\$ 2,879,519.33
Total MISO Purchases Above (Excl. SIPC & Domtar):	160,283.373	\$ 4,070,976.75
Total MISO Purchased Power per S7 Nodal Report:	144,671.772	\$ 3,703,183.28
Total MISO Purchased Power per S7 Nodal Report:	15,611.601	\$ 367,793.47
Difference:	-	\$ 0.00

(A) Total Purchases over Highest Cost Unit	\$ 99,153.93
(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.	\$ 99,153.93
(5) Total Purchases above Highest Cost Unit (A)-(1) (For Form A Filing)	\$ 99,153.93

**BIG RIVERS ELECTRIC CORPORATION
FUEL BURNED**

MONTH OF **02/29/24**

		<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			\$ 20,016.57	548,680	446,680	44.812
	Oil	-	\$ -			
	Gas	8,421.00	\$ 20,016.57			
Wilson			\$ 5,195,560.25	236,573,810	217,803,730	23.854
	Coal	103,835.74	\$ 4,984,689.67			
	PetCoke	-	\$ -			
	Oil	73,953.88	\$ 210,870.58			
H1 (net of city take)			\$ -	0	(45,240)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
H2 (net of city take)			\$ -	0	(45,240)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
Station Two			\$ -	0	(90,480)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
G1			\$ 542,881.80	20,636,744	17,162,510	31.632
	Coal	-	\$ -			
	PetCoke	-	\$ -			
	Gas	232,330.00	\$ 542,881.80			
G2			\$ 296,263.71	10,702,565	7,968,035	37.182
	Coal	-	\$ -			
	PetCoke	-	\$ -			
	Gas	127,766.00	\$ 296,263.71			
Green			\$ 839,145.51	31,339,309	25,130,545	33.391
	Coal	0.00	\$ -			
	PetCoke	-	\$ -			
	Gas	360,096.00	\$ 839,145.51			
SYSTEM TOTAL			\$ 6,054,722.33	268,461,799	243,290,475	24.887
					14,338,783	
					228,951,692	26.445
					(90,480)	
					229,042,172	26.435
	Coal		\$ 4,984,689.67			
	Pet Coke		\$ -			
	Oil		\$ 210,870.58			
	Gas		\$ 859,162.08			
			<u>\$ 6,054,722.33</u>			

Reid Combustion Turbine
February 29, 2024

Form B

2/1/2024

Date	Service Hours	Net MWh	MCF	Gas Cost	Natural Gas Cost	Texas Gas Transportation	Total Cost	\$MWh
2/28/24	15.370		7866.68					
2/29/24	1.230		654.85					
Average	16.60	409.748	8,521.54	\$ 2.35	\$ 14,467.08	\$ 5,549.49	\$ 20,016.570	\$ 48.85

The Reid Combustion Turbine (CT) was placed in Automatic Dispatch System on February 28th and the 29th, 2024. MISO called upon the Reid CT 16.600 hours. The Reid CT was available 688.20 hours.

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF COAL PURCHASED FOR FUEL CLAUSE BACKUP
February 29, 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																	
					-	0	-	-	-	-	-	-	-	-	-	-	
STATION NAME - Wilson																	
LONG TERM CONTRACT																	
Alliance - 989	P	22-002	B	S	WKY	39,334.43	11,493	904,172.92	46.1722	200.8639	5.7414	24.9769	51.9136	225.8408	2.97	9.23	11.76
American Consolidated Natural Resources - 1005	P	20-001	T	U	WKY	90,717.08	11,797	2,140,418.86	43.2619	183.3562	6.2087	26.3144	49.4706	209.6706	2.89	10.29	9.33
Total Contract						130,051.51	11,705	3,044,591.78	44.1421	188.5556	6.0674	25.9172	50.2095	214.4728	2.91	9.97	10.06
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																	
						130,051.51	11,705	3,044,591.78	44.1421	188.5556	6.0674	25.9172	50.2095	214.4728	2.91	9.97	10.06
TOTAL BIG RIVERS SYSTEM																	
						130,051.51	11,705	3,044,591.78	44.1421	188.5556	6.0674	25.9172	50.2095	214.4728	2.91	9.97	10.06

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
February 29, 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
February 29, 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 - Valor, LLC	D	P.O. 274596	T	Wilson	100,090.00	138,000	\$ 296,235.28	0.0214	N/A
					<u>100,090.00</u>		<u>\$ 296,235.28</u>		
<u>Oil - Coal Handling</u>									
					<u>-</u>	138,000	<u>\$ -</u>	0.0000	N/A
<u>Natural Gas</u>									
Texas Gas Transmission (1)	D	BRE 10-G01	P	Reid CT	-	1,000,000	\$ 5,549.49	0.0000	N/A
ECO-Energy (1)	P	BRE-22-G07	P	Reid CT	1,957.00	1,000,000	\$ 3,403.81	0.0017	N/A
CIMA Energy, LTD (1)	P	BRE-14-G07	P	Reid CT	1,981.00	1,000,000	\$ 3,179.57	0.0016	N/A
Tenaska Marketing Ventures (1)	P	BRE-11-G06	P	Reid CT	4,917.00	1,000,000	\$ 7,883.70	0.0016	N/A
Fuel Qtv and Pipe Imbalance (2)	P			Reid CT	(166.00)	1,000,000	\$ -	0.0000	N/A
ECO-Energy (3)	P	BRE-22-G07	P	Green	82,043.00	1,000,000	\$ 142,696.19	0.0017	N/A
CIMA Energy, LTD (3)	P	BRE-14-G07	P	Green	83,020.00	1,000,000	\$ 133,295.43	0.0016	N/A
Tenaska Marketing Ventures (3)	P	BRE-11-G06	P	Green	206,148.00	1,000,000	\$ 330,504.80	0.0016	N/A
Texas Gas Transmission (3)	P	BRE 10-G01	P	Green	-	1,000,000	\$ 232,649.09	0.0000	N/A
Fuel Qtv and Pipe Imbalance (2)	P			Green	(6,943.00)	1,000,000	\$ -	0.0000	N/A
					<u>372,957.00</u>	1,000,000	<u>\$ 859,162.08</u>	0.0023	N/A

Footnotes:

- (1) BREC purchased and used 8,689 MMBtu for the Reid CT in February 2024.
- (2) Gas quantity cuts from scheduled gas and +/- pipe imbalance beg/end of month.
- (3) BREC purchased 364,268 MMBtu for Green Unit 1 & 2 in February 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: February 29, 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	27	0
	c. Net Demonstrated Capability (MW)	65	65	130
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	41.4%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	8,421	8,421
	b. Gross Generation (MWH)	0	549	549
	c. Net Generation (MWH)	0	447	447
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	18,852	18,852
3.	Operation Availability:			
	a. Hours Unit Operated	0.0	16.6	16.6
	b. Hours Available	0.0	688.2	688.2
	c. Hours During the Period	696.0	696.0	1,392.0
	d. Availability Factor(L3b/L3c) (%)	0.0%	98.9%	49.4%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0000	0.0365	0.0365
	b. Net Generation - FAC Basis (cents/KWH)	0.0000	0.0448	0.0448
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: February 29, 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)	(45)	(45)	(90)
	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	696.0	696.0	1,392.0
	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: February 29, 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	74	169
	c. Net Demonstrated Capability (MW)	231	223	454
	d. Net Capability Factor(L1b/L1c) (%)	41.1%	33.2%	37.2%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	20,637	10,703	31,339
	c. Net Generation (MWH)	17,163	7,968	25,131
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	0	0
3.	Operation Availability:			
	a. Hours Unit Operated	181.3	107.5	288.8
	b. Hours Available	696.0	686.1	1,382.1
	c. Hours During the Period	696.0	696.0	1,392.0
	d. Availability Factor(L3b/L3c) (%)	100.0%	98.6%	99.3%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0263	0.0277	0.0268
	b. Net Generation - FAC Basis (cents/KWH)	0.0316	0.0372	0.0334
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: February 29, 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)	346	346
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	82.9%	82.9%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	2,394,591	2,394,591
	b. Gross Generation (MWH)	236,574	236,574
	c. Net Generation (MWH)	217,804	217,804
	d. Heat Rate(L2a/L2c) (BTU/KWH)	10,994	10,994
3.	Operation Availability:		
	a. Hours Unit Operated	630.4	630.4
	b. Hours Available	630.4	630.4
	c. Hours During the Period	696.0	696.0
	d. Availability Factor(L3b/L3c) (%)	90.6%	90.6%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0220	0.0220
	b. Net Generation - FAC Basis (cents/KWH)	0.0239	0.0239
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	189	189

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.