



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

September 05, 2023

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

RECEIVED

SEP 06 2023

**PUBLIC SERVICE
COMMISSION**

RE: Big Rivers Electric Corporation
Fuel Adjustment Clause (FAC)
Form B Support for Expense Month July 2023

Dear Executive Director:

Enclosed is Big Rivers' Form B in support of the FAC filing for the month ending July 31, 2023.

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

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Katie Cheatham
Manager Accounting

Enclosure

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

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: July 31, 2023

	Fuel Coal				
	HMP&L Station Two				
	Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$42.5344
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 Sheriff's Office			0.0000 ¢		\$0.0000
Ending Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
	Green				
	Amount	MMBTU	Per Unit	Tons	Per Unit
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
	Wilson				
	Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	\$41,005,329.02	20,019,614.21	204.8258 ¢	859,854.66	\$47.6887
Purchases (1)	4,750,652.61	2,350,807.95	202.0860 ¢	100,473.36	\$47.2827
Sub-total	45,755,981.63	22,370,422.16	204.5379 ¢	960,328.02	\$47.6462
Less Fuel Burned	6,229,251.42	3,045,524.96	204.5379 ¢	130,739.73	\$47.6462
Physical Inventory Adjustment	-	-	0.0000	-	\$0.0000
Ending Inventory	\$39,526,730.21	19,324,897.20	204.5379 ¢	829,588.29	\$47.6462
	Coal in Transit				
	Amount	MMBTU	Per Unit	Tons	Per Unit
Coal in Transit (2)	438,119.93	235,050.50	186.3940 ¢	10,173.65	\$43.0642
Total Combined Inventory	\$39,964,850.14	19,559,947.70	204.3198 ¢	839,761.94	\$47.5907

Footnotes:

(1) There was one barge repair invoice in July 2023 (\$3,755.16 Lube Refill). Freight charges are allocated on tons unloaded during the current month to the stations. The freight cost for July 2023 for Wilson Station was \$5.362415736 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 July 2023 was 10,173.65 tons for Wilson Station.

Company: **BIG RIVERS ELECTRIC CORPORATION****FUEL INVENTORY SCHEDULE**Plant: **HMP&L Station Two, Green and Wilson**Month Ended: **July 31, 2023****Fuel Pet Coke****Green**

	Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	\$0.00	0.00	0.0000	\$ 0.00	\$0.0000
Purchases	0.00	0.00	0.0000	\$ 0.00	\$0.0000
Adjustments	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
Ending Inventory	\$0.00	0.00	0.0000	\$ 0.00	\$0.0000

Wilson

	Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	\$0.00	0.00	0.0000	\$ 0.00	\$49.3380
Purchases	0.00	0.00	0.0000	\$ 0.00	\$0.0000
Adjustments	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
Ending Inventory	\$0.00	0.00	0.0000	\$ 0.00	\$0.0000

Pet Coke in Transit

	Amount	MMBTU	Per Unit	Tons	Per Unit
Pet Coke in Transit	\$0.00	0.00	0.0000	\$ 0.00	\$0.0000
Total Combined Inventory	\$0.00	0.00	0.0000	\$ 0.00	\$0.0000

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid CT, HMP&L Station Two

Month Ended: July 31, 2023

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 July 2023.

(2) Transfer out of fuel oil from Reid Combustion Turbine to Wilson Station July 2023.

(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: July 31, 2023

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	268,331.28	\$800,639.10	298.3771	¢
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	268,331.28	800,639.10	298.3771	¢
Less Fuel Burned - Jurisdictional Non-Jurisdictional	9,935.33	29,644.75	298.3771	¢
Ending Inventory	258,395.95	770,994.35	298.3771	¢

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	258,395.95	\$770,994.35	298.3771	¢

Footnotes:

- (1) There was no transfer of fuel oil from Reid Combustion Turbine fuel oil tank to Wilson Station July 2023.
 (2) Transfer in of fuel oil from Combustion Turbine tank and the Green Station fuel oil tank to the Wilson Station fuel oil tank July 2023.
 (3) True-up of Book to Physical Measurement for July 2023.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid Combustion Turbine

Month Ended: July 31, 2023

Fuel: Natural Gas

Reid Combustion Turbine

	Units (MMBtu)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	MMBtu
Purchases (1)	36,730.00	103,192.71	2.8095	MMBtu
Purchase Adjustment (2)	0.00	0.00	0.0000	MMBtu
Sub-total	36,730.00	103,192.71	2.8095	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)	36,730.00	103,192.71	2.8095	MMBtu
Ending Inventory	0.00	\$0.00	0.0000	MMBtu

Green Unit 1 & Unit 2

	Units (MMBtu)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	MMBtu
Purchases (3)	532,251.00	1,495,337.00	2.8095	MMBtu
Purchase Adjustment (4)	0.00	0.00	0.0000	MMBtu
Sub-total	532,251.00	1,495,337.00	2.8095	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)	532,251.00	1,495,337.00	2.8095	MMBtu
Ending Inventory	0.00	\$0.00	0.0000	MMBtu

Footnotes:

(1) BREC purchased and used 36,730 MMBtu for the Reid CT in July 2023.

(2) There was no purchase adjustments for the Reid CT in July 2023.

(3) BREC purchased 532,251 MMBtu for Green Unit 1 & 2 in July 2023.

(4) There was no purchase adjustments for Green Unit 1 & 2 in July 2023.

Month Ended: July 31, 2023

Form B

Company: BIG RIVERS ELECTRIC CORPORATION

POWER TRANSACTION SCHEDULE

Company	Purpose	System Average (\$)	Type of Transaction	Billing Components					Total Charges (\$)
				Kwh	Demand Capacity (\$)	Fuel Charges (\$)	Other Charges (\$)		
Purchases									
MISO	Available for system		Non-Displacement	105,034,304	\$0	\$2,084,209	\$984,197		\$3,068,407
KY National Guard	Available for system		Non-Displacement	4,527	\$0	\$0	\$105		\$105
Southern Star	Available for system		Non-Displacement	74,818	\$0	\$0	\$1,730		\$1,730
SEPA	Available for system		Non-Displacement	31,821,000	\$726,213	\$0	\$0		\$726,213
SUB-TOTAL (1)	Net Energy Cost - Economy Purchases			136,834,649	\$726,213	\$2,084,209	\$986,031		\$4,366,454
Footnote 1									
MISO	Monitor Purchases		Non-Displacement	2,839,274	\$0	\$71,886	\$13,388		\$85,254
MISO-Peducah	Blockware		Non-Displacement	16,984,982	\$0	\$419,042	\$1,042,273		\$519,886
MISO	Inter-system Sale		Non-Displacement	27,483,000	\$0	\$697,110	\$698,863		\$1,252,947
MISO	Cover Load & Lack of Generation		Non-Displacement	8,308,842	\$0	\$180,735	\$334,784		\$499,518
Various	Correctly Purchases		Non-Displacement	0	\$483,750	\$0	\$0		\$483,750
SUB-TOTAL (2)	Identifiable fuel cost (Total Other Purchases)			53,188,106	\$483,750	\$1,449,124	\$1,006,282		\$2,841,156
MISO	Purchases for Forced Outages (> 8 hrs.)		Non-Displacement	19,540,661	\$0	\$495,657	\$177,234		\$672,891
MISO					\$0	\$0	\$0		\$000
SUB-TOTAL (3)	Identifiable fuel cost (subject data for Forced Outage)			19,540,661	\$0	\$495,657	\$177,234		\$672,891
LESS: PURCHASED FOR SUPPLEMENTAL OR BACKUP SALES				209,863,638	\$1,208,983	\$4,508,090	\$2,151,548		\$7,870,501
TOTAL (4)				0	\$0	\$0	\$0		\$000
				209,863,638	\$12,08,983	\$4,508,090	\$2,151,548		\$7,870,501
Sales									
Footnote 2	Purchased Power:								
DTE/EDF/NexEra/Morjan Stanley	Indiana Hub(BIB)	\$25,395/(System Average)	MISO(BTB)	27,483,000	\$0	\$697,110	(\$2,847,863)		(\$1,850,753)
SUB-TOTAL (1)				27,483,000	\$0	\$697,110	(\$2,847,863)		(\$1,850,753)
Footnote 2	Generation:								
MISO	BREC	\$25,365/(System Average)	Coal/Potomac Fired	152,267,048	\$0	\$3,862,274	\$7,709,273		\$11,571,858
Footnote 2	HNP&L	\$25,395/(System Average)	Coal/Potomac Fired	0	\$0	\$0	\$495		\$495
SUB-TOTAL (2)				152,267,048	\$0	\$3,862,274	\$7,709,273		\$11,572,047
LOSSES ACROSS OTHER SYSTEMS (NOT BILLED) (Footnote 3)				71,899,129	\$0	\$0	\$0		\$0
TOTAL (3)				191,649,177	\$0	\$4,559,384	\$5,008,190		\$9,621,204
Interchange In				71,501,887	\$0	\$0	\$0		\$0
Interchange Out				45,302,623	\$0	\$0	\$0		\$0
Net Interchange				6,239,064	\$0	\$0	\$0		\$0

Footnotes:

Footnote 1: All Bids, Backfiles and purchases flowed through the MISO Indiana Hub and were netted. Therefore, there were no volume sales or purchases. The final net BIB 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 \$25.365 mills. There was a one-time offset of \$12,376,555 in May 2023 from the S55 May 2023 reserment.

Footnote 3: The calculated line losses for July 2023 activity was 11,899,129. HNP&L was also invoiced \$49453 for Auxiliary Power for July 2023.

Light Blue - Net Energy Cost - Economy Purchases

Yellow - Identifiable fuel cost - Other Purchases

Green - Purchases for Forced Outages (> 8 hrs.)

DATE	HE	MWh	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
7/1-7/31		2,833,274	\$ 30.690	\$ 85,254.47		Domestic	Back-Up Power	\$ 01.842	\$	\$
7/1-7/31		2,833,274	\$	\$ 85,254.47			Back-Up Power Total	\$	\$	\$
7/1-7/31			\$	\$		SIPC	Out/Lo Rebates	\$ 01.842	\$	\$
7/1-7/31			\$	\$		AECI	Out/Lo Rebates	\$ 01.842	\$	\$
7/1-7/31			\$	\$			Out/Lo Rebates Total	\$	\$	\$
7/1-7/31			\$	\$		SIPC	DARSG	\$ 01.842	\$	\$
7/1-7/31			\$	\$		AECI	DARSG	\$ 01.842	\$	\$
7/1-7/31			\$	\$			DARSG Total	\$	\$	\$
7/1-7/31			\$	\$		AECI	DA/RT Settle Adj	\$ 01.842	\$	\$
7/1-7/31			\$	\$			DA/RT Settle Adj Total	\$	\$	\$
7/1	HE 1, 6-24	3,001,800	\$ 38.629	\$ 116,545.00	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/1	HE 2	9,711	\$ 23.162	\$ 15.46	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/2	HE 9-24	2,931,600	\$ 35.771	\$ 72,667.86	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/2	HE 9-15	176,893	\$ 32.930	\$ 5,824.85	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/3	HE 7-10, 10-24	1,910,500	\$ 38.494	\$ 73,543.43	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/5	HE 10-16	337,000	\$ 37.783	\$ 12,732.90	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/9	HE 1-24	4,655,500	\$ 37.388	\$ 170,328.84	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/9	HE 19-24	147,028	\$ 34.581	\$ 5,064.34	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/7	HE 1-24	4,943,100	\$ 35.576	\$ 175,853.72	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/7	HE 1-5, 10-24	474,668	\$ 34.297	\$ 16,279.84	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/8	HE 1-24	3,513,400	\$ 37.218	\$ 131,632.65	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/8	HE 2-24	984,511	\$ 26.869	\$ 26,515.17	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/9	HE 1-24	9,010,200	\$ 31.685	\$ 95,300.24	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/9	HE 3-11	17,1519	\$ 20.795	\$ 3,566.68	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/10	HE 1-15, 10-24	4,040,000	\$ 35.623	\$ 143,934.20	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/10	HE 1-2, 8-10, 11-12, 16-20, 22-24	489,457	\$ 25.427	\$ 12,337.06	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/11	HE 1-11, 21-23	1,688,200	\$ 27.993	\$ 46,958.70	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/11	HE 7-8, 10-12, 13-16, 18-19, 21-24	839,252	\$ 30.670	\$ 19,605.66	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/12	HE 1-8, 8-12, 22-24	854,200	\$ 32.403	\$ 30,919.38	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/12	HE 1, 6-7, 11-13, 19-20, 22-24	374,183	\$ 30.851	\$ 11,543.18	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/13	HE 1-5, 7-12, 22-24	1,100,800	\$ 34.463	\$ 77,936.87	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/13	HE 1-2, 4-6, 8-15, 20, 22-24	956,429	\$ 33.219	\$ 31,771.62	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/14	HE 1-4, 7-11, 22-24	903,700	\$ 33.622	\$ 30,383.88	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/14	HE 9-11, 21-23	308,128	\$ 32.625	\$ 10,052.83	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/15	HE 1-24	3,087,300	\$ 37.227	\$ 114,931.09	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/15	HE 13-24	868,151	\$ 29.789	\$ 25,861.21	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/16	HE 1, 3-16, 18-24	3,276,100	\$ 39.893	\$ 127,378.26	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/16	HE 1-4, 8-10, 14-24	343,735	\$ 22.547	\$ 12,259.48	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/17	HE 1-24	4,353,300	\$ 40.805	\$ 177,209.96	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/17	HE 1, 3-12, 15-18	456,183	\$ 24.413	\$ 11,111.67	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/18	HE 1-10, 10-24	4,699,800	\$ 36.326	\$ 169,634.92	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/18	HE 9-11-13, 15	112,500	\$ 33.356	\$ 3,752.56	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/19	HE 1-15, 19-24	3,630,000	\$ 36.319	\$ 132,164.23	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/19	HE 9-10, 21-24	266,832	\$ 24.870	\$ 6,387.43	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/20	HE 1-18, 18-24	4,087,300	\$ 37.524	\$ 167,629.86	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/20	HE 1-11, 21-22, 24	728,027	\$ 23.949	\$ 17,387.67	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/21	HE 1-24	3,899,000	\$ 38.125	\$ 181,025.59	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/21	HE 1-2, 5-7, 9-15, 21-24	483,811	\$ 26.640	\$ 12,197.03	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/22	HE 2-7, 8-24	2,822,000	\$ 34.405	\$ 97,117.17	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/22	HE 1-16, 18-24	1,675,818	\$ 26.747	\$ 44,823.46	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/23	HE 1-16, 20-24	2,557,580	\$ 35.220	\$ 90,076.11	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/23	HE 1, 8-18, 18-20, 22-24	438,062	\$ 31.598	\$ 20,189.87	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/24	HE 1-15, 21-24	3,308,300	\$ 34.579	\$ 114,398.97	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/24	HE 3-4, 20	14,887	\$ 16.414	\$ 243.05	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/25	HE 1-10, 23-24	1,881,000	\$ 31.423	\$ 49,851.74	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/25	HE 2-8, 10-24	3,100,233	\$ 33.795	\$ 108,128.98	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/26	HE 1-6, 7-4	694,400	\$ 28.030	\$ 19,507.33	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/26	HE 2, 8-24	2,193,188	\$ 34.286	\$ 75,018.27	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/27	HE 3-8, 23-24	614,200	\$ 31.118	\$ 19,112.81	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/28	HE 6-7, 8-24	1,881,701	\$ 35.537	\$ 67,114.75	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/28	HE 1, 7-8, 23-24	205,000	\$ 37.278	\$ 10,997.04	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/29	HE 1-4, 8, 8-9, 11-24	1,431,688	\$ 29.369	\$ 42,047.86	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/29	HE 1-11, 2-24	1,133,200	\$ 30.709	\$ 34,799.58	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/30	HE 1-22	2,384,704	\$ 26.491	\$ 63,172.86	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/30	HE 1-24	3,006,400	\$ 32.995	\$ 165,253.50	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/30	HE 1-2, 8-24	588,230	\$ 30.081	\$ 17,095.07	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/31	HE 1-24	3,511,400	\$ 33.623	\$ 165,311.40	Buy	Power	Day Ahead	MISO	Economic	\$ 01.842
7/31	HE 1, 3-5, 7-6, 13-22	428,338	\$ 33.551	\$ 14,304.02	Buy	Power	Real Time	MISO	Economic	\$ 01.842
7/1-7/31			\$	\$ 13,758.12	Buy	Power	Real Time	MISO	Economic	\$ 01.842

DATE	HE	MWH	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit (\$)	MWb Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit			
		105,084.304		\$ 3,628,896.77			Economic Total			\$ -			
7/1	HE 1-24	5,131.000	\$ 33.662	\$ 172,720.70	Buy	Power	Day Ahead	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	(4)
7/1	HE 2-3, 5-6	13.754	\$ 21.326	\$ 293.31	Buy	Power	Real Time	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	
7/2	HE 1-24	4,776.000	\$ 31.641	\$ 151,182.48	Buy	Power	Day Ahead	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	
7/2	HE 1-24	24.242	\$ 19.748	\$ 478.74	Buy	Power	Real Time	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	
7/3	HE 1-24	4,851.000	\$ 37.580	\$ 182,298.76	Buy	Power	Day Ahead	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	
7/4	HE 2-3, 7-11, 21-23	4,380.00	\$ 32.497	\$ 142,857.00	Buy	Power	Day Ahead	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	
7/4	HE 1-24	1,899.069	\$ 28.837	\$ 54,863.11	Buy	Power	Real Time	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	
7/6	HE 1-6	269.800	\$ 25.699	\$ 6,933.59	Buy	Power	Day Ahead	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	
7/5	HE 3-3	264.715	\$ 23.148	\$ 6,128.92	Buy	Power	Real Time	MISO	G2-U01 (22-47)	\$ 61.842	\$ -	\$ -	
7/5	HE 10-24	17.671240		\$ 586,706.41			G2-U01 (22-47) Total (FO>6)			\$ -	\$ -	\$ -	(1)
7/6	HE 1-6	192.154	\$ 57.711	\$ 56,680.88	Buy	Power	Real Time	MISO	G2-U01 (23-01)	\$ 61.842	\$ -	\$ -	
7/6	HE 1-6	158.391	\$ 24.373	\$ 3,736.47	Buy	Power	Real Time	MISO	G2-U01 (23-01)	\$ 61.842	\$ -	\$ -	
7/17/21		1,195.455		\$ 60,417.35			G2-U01 (23-01) Total (FO>6)			\$ -	\$ -	\$ -	(1)
7/17/21						AECI	MISO Energy Charges - AECI			\$ 61.842	\$ -	\$ -	
7/17/21							MISO Energy Charges - AEOI			\$ -	\$ -	\$ -	
7/17/21		16,534.892	\$ 31.429	\$ 519,695.53		PADUCAH	MISO Energy Charges - PADUCAH			\$ 61.842	\$ -	\$ -	
7/17/21		16,534.982		\$ 519,695.53			MISO Energy Charges - PADUCAH Total			\$ -	\$ -	\$ -	
7/17/21		1,900	\$ 21.300	\$ 21.30		SIPC	MISO Energy Charges - SIPC			\$ 61.842	\$ -	\$ -	
7/17/21		1,900		\$ 21.36			MISO Energy Charges - SIPC Total			\$ -	\$ -	\$ -	
7/17/21						PJM	PJM Fees (Transmission Only)			\$ 61.842	\$ -	\$ -	
7/17/21							PJM Fees (Transmission Only) Total			\$ -	\$ -	\$ -	
7/17/21	HE 13-24	614.797	\$ 37.855	\$ 19,508.29	Buy	Power	Real Time	MISO	RCT-U01 (23-25)	\$ 61.842	\$ -	\$ -	
7/17/21	HE 1-7	219.380	\$ 19.419	\$ 4,260.26	Buy	Power	Real Time	MISO	RCT-U01 (23-25)	\$ 61.842	\$ -	\$ -	
7/17/21		734.168		\$ 23,768.55			RCT-U01 (23-25) Total (FO>6)			\$ -	\$ -	\$ -	(1)
7/17/21		27,482.000	\$ 45.591	\$ 1,252,825.96		SIPC/AECI	SIPC/AECI GFA Transactions			\$ 61.842	\$ -	\$ -	
7/17/21		27,482.000		\$ 1,252,825.96			SIPC/AECI GFA Transactions Total			\$ -	\$ -	\$ -	(4)
7/3	HE 17-18	249.000	\$ 59.338	\$ 14,725.40	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ -	\$ -	
7/5	HE 10-10	28.500	\$ 295.332	\$ 7,995.80	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 236.490	\$ 6,266.99	
7/10	HE 13-14	48.691	\$ 276.673	\$ 12,976.22	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ 214.831	\$ 10,075.78	
7/10	HE 16-16	768.690	\$ 62.681	\$ 47,688.95	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ (1839)	\$ 638.28	
7/11	HE 17	37.838	\$ 64.716	\$ 2,435.76	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ 2.874	\$ 108.77	
7/12	HE 13-19	285.590	\$ 84.751	\$ 22,501.38	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 22.909	\$ 6,882.39	
7/12	HE 21	10.582	\$ 86.313	\$ 913.32	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ 24.471	\$ 258.94	
7/13	HE 6, 13-19	285.690	\$ 83.467	\$ 24,658.72	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 21.606	\$ 6,384.48	
7/13	HE 19-19, 21	163.697	\$ 75.678	\$ 12,388.24	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ 13.806	\$ 2,264.95	
7/14	HE 13-20	381.000	\$ 74.845	\$ 28,515.91	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 13.009	\$ 4,954.19	
7/14	HE 16-19, 21	77.624	\$ 120.603	\$ 9,349.67	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ 58.761	\$ 4,555.43	
7/16	HE 2, 17	208.500	\$ 59.218	\$ 12,346.89	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ -	\$ -	
7/16	HE 17	29.500	\$ 58.723	\$ 1,634.34	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ -	\$ -	
7/19	HE 16-18	725.500	\$ 61.659	\$ 44,610.06	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ -	\$ -	
7/20	HE 17	247.500	\$ 58.258	\$ 14,416.89	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ -	\$ -	
7/21	HE 20	43.232	\$ 62.875	\$ 2,674.97	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ 0.033	\$ 1.42	
7/22	HE 1	3.000	\$ 63.789	\$ 193.34	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 1.938	\$ 5.81	
7/22	HE 17	33.221	\$ 58.535	\$ 1,943.92	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ -	\$ -	
7/23	HE 17-19	519.500	\$ 62.773	\$ 32,610.47	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ (1931)	\$ 483.66	
7/23	HE 17, 21	84.138	\$ 180.552	\$ 6,659.24	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ 38.710	\$ 2,560.18	
7/24	HE 16-20	1,394.000	\$ 65.170	\$ 90,846.53	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 3.328	\$ 4,609.19	
7/25	HE 11, 13-19, 22	27.000	\$ 126.461	\$ 3,413.25	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 64.619	\$ 17,834.82	
7/26	HE 6	4.000	\$ 63.598	\$ 254.36	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 1.748	\$ 6.99	
7/27	HE 17	12.000	\$ 826.106	\$ 9,913.27	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 768.264	\$ 9,171.17	
7/26	HE 9-10, 15-17	54.800	\$ 662.955	\$ 36,331.03	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 601.113	\$ 32,760.85	
7/26	HE 10	137.910	\$ 60.555	\$ 8,251.12	Buy	Power	Real Time	MISO	To cover lead and lack of gen	\$ 61.842	\$ -	\$ -	
7/29	HE 19, 18, 20	21.000	\$ 156.288	\$ 3,283.37	Buy	Power	Day Ahead	MISO	To cover lead and lack of gen	\$ 61.842	\$ 94.366	\$ 1,981.89	
		83,98.842		\$ 499,518.42			To cover lead and lack of gen Total			\$ -	\$ -	\$ -	(4)
		177,753.193		\$ 8,658,695.76			Grand Total			\$ -	\$ -	\$ -	
	Plus: SEPA	31,821.000	\$ 22.822	\$ 726,212.93									
	Plus: KY National Guard	4,527	\$ 23.241	\$ 105.21									
	Plus: Southern Star	74.818	\$ 23.240	\$ 1,738.77									
	Plus: Capacity Purchases			\$ 483,750.00									
	Total Purchased Power	209,663.638	\$ 37.539	\$ 7,870,500.67									

Amount to Nodal (\$):

Total MISO Purchased Power (Above):

Less: Purchases for Domestic Back-Up Power

Less: SIPC Charges

Less: SIPC GFA Transactions

Less: PJM Transactions

177,753.193	\$ 5,658,695.76
2,833.174	\$ 85,254.47
1,600	\$ 21.38
27,182.260	\$ 1,252,075.96

(A) Total Purchases over Highest Cost Unit

(1) Purchases above Highest Cost Unit for Forward Outages > 8 hours

(2) Purchases above Highest Cost Unit for B-T-B Purchases

(3) Purchases above Highest Cost Unit for Domestic Purchases

(4) Purchases above Highest Cost Unit for Outages < 8 hours

(5) Total Purchases above Highest Cost Unit (A)-(4) (For Form A Filing)

DATE	HE	MWh	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit	MWhs Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
Leasehold Charges										
Less: Purchased Power Hedges				\$ 137,581.2						
Total MISO Purchases Above (Excl. SIPC & Dmtar):		147,447.019		\$ 5,306,733.91						
Total MISO Purchased Power per S7 Nodal Report:		130,912.027		\$ 4,787,048.38						
Total MISO Purchased Power Per S7 Nodal Report:		16,534.992		\$ 119,685.53						
Difference:				\$ 0.00						

BIG RIVERS ELECTRIC CORPORATION

FUELBURNED

MONTH OF

07/31/23

		TON/GAL/MCF	Cost	Gross KWH	TRUE NET KWH	Mills/KWH
Reid			\$ -	0	0	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
Gas Turbine			\$ 103,192.71	1,903,700	1,815,510	56.840
	Oil	-	\$ -			
	Gas	35,236.00	\$ 103,192.71			
Wilson			\$ 6,258,896.17	301,055,940	280,555,690	22.309
	Coal	130,739.73	\$ 6,229,251.42			
	PetCoke	-	\$ -			
	Oil	9,935.33	\$ 29,644.75			
H1 (net of city take)			\$ -	0	(31,116)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
H2 (net of city take)			\$ -	0	(31,116)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
Station Two			\$ -	0	(62,232)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
G1			\$ 1,117,353.89	38,151,474	33,188,500	33.667
	Coal	-	\$ -			
	PetCoke	-	\$ -			
	Gas	385,362.00	\$ 1,117,353.89			
G2			\$ 377,983.11	8,986,500	6,112,100	61.842
	Coal	-	\$ -			
	PetCoke	-	\$ -			
	Gas	134,349.00	\$ 377,983.11			
Green			\$ 1,495,337.00	47,137,974	39,300,600	38.049
	Coal	0.00	\$ -			
	PetCoke	-	\$ -			
	Gas	519,711.00	\$ 1,495,337.00			
SYSTEM TOTAL			\$ 7,857,425.88	350,097,614	321,609,568	24.432
Line Losses					11,899,129	
System Average					309,710,439	25.370
Less: Energy Used by Idled/Retired Units (Coleman, Reid & Station 2)					(62,232)	
Total (Net of Line Losses & Energy Used by Idled Units)					309,772,671	25.365
Coal		\$	6,229,251.42			
PetCoke		\$	-			
Oil		\$	29,644.75			
Gas		\$	1,598,529.71			
		\$	7,857,425.88			

**Reid Combustion Turbine
July 31, 2023**

Date	Service Hours	Net MWh	MCF	Gas Cost	Natural Gas Cost	Texas Gas Transportation	Total Cost	\$MWh
7/5/2023	8.400		3686.976					
7/11/2023	2.100		846.72					
7/14/2023	7.030		3923.2					
7/17/2023	2.120		905.088					
7/24/2023	6.570		3462.592					
7/25/2023	9.930		0					
7/26/2023	10.030		8937					
7/27/2023	12.130		5795					
7/28/2023	11.000		0					
7/29/2023	6.370		8013					
	75.680	1815.512	35,569	\$ 2.90	\$ 89,600.98	\$ 13,591.73	\$ 103,192.71	\$ 56.84

The Reid Combustion Turbine (CT) was placed in Automatic Dispatch System on July 5th, 11th, 14th, 17th and the 24th-29th, 2023. MISO called upon the Reid CT 75.680 hours. The Reid CT was available 724.9 hours.

BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF COAL PURCHASED FOR FUEL CLAUSE BACKUP
 July 31, 2023

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 \$ 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																	
LONGTERM CONTRACT																	
Total Contract																	
SPOT CONTRACT																	
Total Spot																	
TOTAL GREEN STATION								0									
STATION NAME - Wilson																	
LONG TERM CONTRACT																	
American Consolidated Natural Resources - 972	P	20-001A	T	U	WKY	34,186.08	11,773	804,978.21	44.8118	190.5082	18900	8.0265	46,7018	198.3347	3.02	10.05	9.64
American Consolidated Natural Resources - 973	P	20-001	T	U	WKY	8,537.19	11,843	202,206.66	45.7377	193.1051	18900	7.9796	47,6277	201.0847	3.07	10.06	9.42
American Consolidated Natural Resources - 1005	P	20-001	T	U	WKY	18,130.37	11,824	428,752.21	43.3609	183.3575	3,7100	15.6882	47,0709	199.0457	3.10	9.89	9.53
Alliance (BKO)*** - 1037	P	19-003A	B	S	WKY	32,448.02	11,539	748,863.05	41.9349	181.9627	5,3595	23.2227	47,3544	205.1854	2.92	9.33	11.48
Total Contract						93,301.66	11,708	2,184,800.12	43.6349	186.3425	3.4903	14.7344	47.0892	201.0769	3.01	9.77	10.24
SPOT CONTRACT																	
Alliance - 989	P	22-002	B	S	WKY	7,171.70	11,574	166,007.83	44.4766	192.1432	5,3755	23.2226	49,8521	215.3658	2.90	9.12	11.26
Total Spot						7,171.70	11,574	166,007.83	44.4766	192.1432	5,3755	23.2226	49,8521	215.3658	2.90	9.12	11.26
TOTAL WILSON STATION						100,473.36	11,699	2,350,807.95	43.6950	186.7522	3.5877	15.3338	47.2827	202.0860	3.00	9.72	10.31
TOTAL BIG RIVERS SYSTEM						100,473.36	11,699	2,350,807.95	43.6950	186.7522	3.5877	15.3338	47.2827	202.0860	3.00	9.72	10.31

BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
 July 31, 2023

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	0.00	N/A	N/A	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
					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
July 31, 2023

Fuel & Supplier (a)	P S 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>									
					-	138,800	\$ -	0.0000	N/A
<u>Natural Gas</u>									
Texas Gas Transmission (1)	D	BRE-10-G01	P	Reid CT	-	1,000,000	\$ 13,591.73	0.0000	N/A
NRG Business Marketing (1)	P	BRE-22-G08	P	Reid CT	923.00	1,000,000	\$ 2,110.89	0.0023	N/A
ECO-Energy (1)	P	BRE-22-G07	P	Reid CT	7,101.00	1,000,000	\$ 16,952.08	0.0024	N/A
CIMA Energy, LTD (1)	P	BRE-14-G07	P	Reid CT	16,302.00	1,000,000	\$ 38,649.97	0.0024	N/A
Tenaska Marketing Ventures (1)	P	BRE-11-G06	P	Reid CT	13,480.00	1,000,000	\$ 31,888.04	0.0024	N/A
Fuel Qty and Pipe Imbalance (2)	P			Reid CT	(1,076.00)	1,000,000	\$ -	0.0000	N/A
NRG Business Marketing (3)	P	BRE-22-G08	P	Green	13,371.00	1,000,000	\$ 30,588.31	0.0023	N/A
ECO-Energy (3)	P	BRE-22-G07	P	Green	102,899.00	1,000,000	\$ 245,647.92	0.0024	N/A
CIMA Energy, LTD (3)	P	BRE-14-G07	P	Green	236,228.00	1,000,000	\$ 560,065.98	0.0024	N/A
Tenaska Marketing Ventures (3)	P	BRE-11-G06	P	Green	195,339.00	1,000,000	\$ 462,080.83	0.0024	N/A
Texas Gas Transmission (3)	P	BRE-10-G01	P	Green	-	1,000,000	\$ 196,953.96	0.0000	N/A
Fuel Qty and Pipe Imbalance (2)					(15,586.00)	1,000,000	\$ -	0.0000	N/A
					<u>568,981.00</u>	<u>1,000,900</u>	<u>\$ 1,598,529.71</u>	0.0028	N/A

Footnotes:

- (1) BREC purchased and used 36,730 MMBtu for the Reid CT in July 2023.
(2) Gas quantity cuts from scheduled gas and +/- pipe imbalance beg/end of month.
(3) BREC purchased 532,251 MMBtu for Green Unit 1 & 2 in July 2023.

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: July 31, 2023

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	24	0
	c. Net Demonstrated Capability (MW)	65	65	130
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	36.9%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	35,236	35,236
	b. Gross Generation (MWH)	0	1,904	1,904
	c. Net Generation (MWH)	0	1,816	1,816
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	19,408	19,408
3.	Operation Availability:			
	a. Hours Unit Operated	0.0	75.7	75.7
	b. Hours Available	0.0	724.9	724.9
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	0.0%	97.4%	48.7%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0000	0.0542	0.0542
	b. Net Generation - FAC Basis (cents/KWH)	0.0000	0.0568	0.0568
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: July 31, 2023

Line No.	Item Description			Total Station
1.	Unit Performance:	Unit # 1	Unit#2	
	a. Capacity (name plate rating) (MW)	153	159	312
	b. Capacity (average load) (L2c/L3a) (MW)	0	0	0
	c. Net Demonstrated Capability (MW)	153	159	312
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	0.0%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	0	0	0
	c. Net Generation (MWH)	(31)	(31)	(62)
	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: July 31, 2023

Line No.	Item Description			Total Station
1.	Unit Performance:	Unit # 1	Unit #2	
	a. Capacity (name plate rating) (MW)	231	223	454
	b. Capacity (average load) (L2c/L3a) (MW)	117	75	192
	c. Net Demonstrated Capability (MW)	231	223	454
	d. Net Capability Factor(L1b/L1c) (%)	50.6%	33.6%	42.3%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	38,151	8,987	47,138
	c. Net Generation (MWH)	33,189	6,112	39,301
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	0	0
3.	Operation Availability:			
	a. Hours Unit Operated	284.8	81.4	366.2
	b. Hours Available	742.6	611.5	1,354.1
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	99.8%	82.2%	91.0%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0293	0.0421	0.0317
	b. Net Generation - FAC Basis (cents/KWH)	0.0337	0.0618	0.0380
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: July 31, 2023

Line No.	Item Description		Total Station
1.	Unit Performance:	Unit # 1	
	a. Capacity (name plate rating) (MW)	417	417
	b. Capacity (average load) (L2c/L3a) (MW)	377	377
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	90.4%	90.4%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	1,852,593	1,852,593
	b. Gross Generation (MWH)	301,056	301,056
	c. Net Generation (MWH)	280,556	280,556
	d. Heat Rate(L2a/L2c) (BTU/KWH)	6,603	6,603
3.	Operation Availability:		
	a. Hours Unit Operated	744.0	744.0
	b. Hours Available	744.0	744.0
	c. Hours During the Period	744.0	744.0
	d. Availability Factor(L3b/L3c) (%)	100.0%	100.0%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0208	0.0208
	b. Net Generation - FAC Basis (cents/KWH)	0.0223	0.0223
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	183	183

Footnotes:

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