



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

November 05, 2024

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

RECEIVED

NOV 05 2024

PUBLIC SERVICE
COMMISSION

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

Dear Executive Director:

Enclosed is Big Rivers' Form B in support of the FAC filing for the month ending September 30, 2024.

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

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

A handwritten signature in blue ink that reads "Katie Cheatham".

Katie Cheatham
Manager Accounting

Enclosure

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

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



Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: September 30, 2024

	<u>Fuel</u>		<u>Coal</u>		
	Amount	MMBTU	Per Unit	Tons	Per Unit
<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	0.00	0.00	0.0000 ¢	0.00	\$0.0000
City of Henderson Shortfall	<u>0.00</u>	<u>0.00</u>	0.0000 ¢	<u>0.00</u>	\$0.0000
Ending Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$0.0000
<i>Green</i>					
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>					
Beginning Inventory	\$32,215,348.82	15,286,492.12	210.7439 ¢	655,387.74	\$49.1546
Purchases (1)	<u>3,790,647.44</u>	<u>1,776,910.61</u>	213.3280 ¢	<u>74,614.61</u>	\$50.8030
Sub-total	36,005,996.26	17,063,402.73	211.0130 ¢	730,002.35	\$49.3231
Less Fuel Burned	4,648,175.19	2,202,791.01	211.0130 ¢	94,239.27	\$49.3231
Physical Inventory Adjustment	<u>(1,043,801.74)</u>	<u>(854,055.84)</u>	122.2170	<u>(21,235.06)</u>	\$49.1546
Ending Inventory	\$30,314,019.33	14,006,555.88	216.4274 ¢	614,528.02	\$49.3289
<i>Coal in Transit</i>					
Coal In Transit (2)	<u>360,737.89</u>	<u>175,963.14</u>	205.0076 ¢	<u>7,668.50</u>	\$47.0415
Total Combined Inventory	<u>\$30,674,757.22</u>	<u>14,182,519.02</u>	216.2857 ¢	<u>622,196.52</u>	\$49.3008

Footnotes:

(1) There was 7 repair invoices (2-661583 AEP 893, 2-661585 AEP898, 2-661578 AEP856, 2-661579 AEP861, 2-661580 AEP875, 2-661581 AEP879, 2-661582 AEP886), 1 winch invoice (2-661477), 1 barge cleaning invoice (2-661584), and 1 lube invoice (2-661719) in September 2024. Freight charges are allocated on tons unloaded during the current month to the stations. The freight cost for September 2024 for Wilson Station was \$7.043156957 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 September 2024 was 7,668.50 tons for Wilson Station.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: September 30, 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: September 30, 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 September 2024.
- (2) Transfer out of fuel oil from Reid Combustion Turbine to Wilson Station September 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: September 30, 2024

Fuel No. 2 Fuel Oil

Green

	Units (Gal.)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	¢
Purchases	0.00	0.00	0.0000	¢
Transfers In - CT Tanks	0.00	0.00	0.0000	¢
Sub-Total	0.00	0.00	0.0000	¢
Transfer Out - Wilson Tank (1)	0.00	0.00	0.0000	¢
Ending Inventory	0.00	\$0.00	0.0000	¢

Wilson

	Units (Gal.)	Amount	Amount Per Unit	
Beginning Inventory	245,526.14	\$599,120.96	244.0151	¢
Transfer In (2)	0.00	0.00	0.0000	¢
Adjustments (3)	0.00	0.00	0.0000	¢
Purchases	96,650.00	214,479.90	221.9140	¢
Sub-Total	342,176.14	813,600.86	237.7725	¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	108,422.95	257,799.99	237.7725	¢
Ending Inventory	233,753.19	555,800.87	237.7725	¢

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	233,753.19	\$555,800.87	237.7725	¢

Footnotes:

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

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid Combustion Turbine

Month Ended: September 30, 2024

Fuel: Natural Gas

Reid Combustion Turbine

	Units (MMBtu)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	MMBtu
Purchases (1)	0.00	0.00	0.0000	MMBtu
Purchase Adjustment (2)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>0.00</u>	<u>0.00</u>	0.0000	MMBtu
Less Payback to BREC/Texas Gas	0.00	0.00	0.0000	MMBtu
Sales Tax Adjustment	0.00	0.00	0.0000	MMBtu
Less Fuel Burned (1)	0.00	0.00	0.0000	MMBtu
Ending Inventory	<u>0.00</u>	<u>\$0.00</u>	0.0000	MMBtu

Green Unit 1 & Unit 2

	Units (MMBtu)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	MMBtu
Purchases (3)	960,468.00	2,558,604.01	2.6639	MMBtu
Purchase Adjustment (4)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>960,468.00</u>	<u>2,558,604.01</u>	2.6639	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)	960,468.00	2,558,604.01	2.6639	MMBtu
Ending Inventory	<u>0.00</u>	<u>\$0.00</u>	0.0000	MMBtu

Footnotes:

- (1) BREC purchased and used 0 MMBtu for the Reid CT in September 2024.
- (2) There was no purchase adjustments for the Reid CT in September 2024.
- (3) BREC purchased 960,468 MMBtu for Green Unit 1 & 2 in September 2024.
- (4) There was no purchase adjustments for Green Unit 1 & 2 in September 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	89,700,652	\$0	\$2,867,695	\$762,105	\$3,629,800
	KY National Guard	Available for system		Non-Displacement	1,304	\$0	\$0	\$35	\$35
	Southern Star	Available for system		Non-Displacement	59,482	\$0	\$0	\$2,059	\$2,059
	SEPA	Available for system		Non-Displacement	22,260,000	\$662,674	\$0	\$0	\$662,674
SUB-TOTAL(1)	Net Energy Cost - Economy Purchases				112,021,438	\$662,674	\$2,867,695	\$764,199	\$4,294,568
Footnote 1									
	MISO	Scheduled Outages:		Non-Displacement	61,682,395	\$0	\$1,971,962	(\$443,023)	\$1,528,940
	MISO	Domtar Purchases		Non-Displacement	1,911,850	\$0	\$61,121	(\$1,566)	\$59,555
	MISO-Paducah	Blockware		Non-Displacement	14,633,832	\$0	\$467,838	(\$84,117)	\$383,721
	MISO	Intersystem Sale		Non-Displacement	5,319,000	\$0	\$170,046	\$25,280	\$195,326
	MISO	Cover Load & Lack of Generation		Non-Displacement	28,447,493	\$0	\$909,455	\$593,137	\$1,502,592
	Various	Capacity Purchases		Non-Displacement	0	\$206,250	\$0	\$0	\$206,250
SUB-Total(2)	Identifiable fuel cost (Total Other Purchases)				111,994,570	\$206,250	\$3,580,423	\$89,711	\$3,876,384
	MISO	Purchases for Forced Outages (> 6 hrs.):		Non-Displacement	5,367,988	\$0	\$171,613	\$54,369	\$225,982
SUB-TOTAL(3)	Identifiable fuel cost (substitute for Forced Outage)				5,367,988	\$0	\$171,613	\$54,369	\$225,982
					229,383,996	\$868,924	\$6,619,731	\$908,279	\$8,396,934
LESS: PURCHASED FOR SUPPLEMENTAL OR BACKUP SALES					0	\$0	\$0	\$0	\$0.00
TOTAL(4)	Total Purchased Power				229,383,996	\$868,924	\$6,619,731	\$908,279	\$8,396,934
Sales									
Footnote 2 Purchased Power:									
	DTE/EDF/NextEra/Morgan Stanley Indiana Hub(BTB)		\$31.970(System Average)	MISO (BTB)	5,319,000		\$170,046	\$31,344	\$201,391
SUB-TOTAL(1)					5,319,000	\$0	\$170,046	\$31,344	\$201,391
Footnote 2 Generation:									
	MISO:	BREC	\$31.970(System Average)	Coal-Petcoke Fired	169,727,054	\$0	\$5,426,108	\$2,355,239	\$7,781,348
	HMP&L	BREC	\$31.970(System Average)	Coal-Petcoke Fired	0	\$0	\$0	\$449	\$449
SUB-TOTAL(2)					169,727,054	\$0	\$5,426,108	\$2,355,688	\$7,781,796
LOSSES ACROSS OTHER SYSTEMS(NOT BILLED) (Footnote 3)					11,699,211	\$0	\$0	\$0	\$0
TOTAL(3)					186,745,265	\$0	\$5,596,155	\$2,387,032	\$7,983,187
	Interchange In				435,483,119	\$0	\$0	\$0	\$0
	Interchange Out				428,193,574	\$0	\$0	\$0	\$0
	Net Interchange				7,289,545	\$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 \$31.970 mills. There was a true-up of total energy dollars of (\$20,550.05) in September 2024 from the S55 July 2024 resettlement. There was no impact to volume from the true-up made in September 2024 for July 2024 S55 resettlement. HMP&L was also invoiced \$485.52 for Auxiliary Power for September 2024.

Footnote 3: The calculated line losses for September 2024 activity was 11,699,211.

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		Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
9/1-9/30		1,911.850	\$ 31.151	\$ 59,555.34				Domtar	Back-Up Power	\$ 34.592	\$ -	\$ -
		1,911.850		\$ 59,555.34					Back-Up Power Total			\$ -
9/1-9/30		-	\$ -	\$ -				SIPC	Cong/Loss Rebates	\$ 34.592	\$ -	\$ -
9/1-9/30		-	\$ -	\$ -				AECI	Cong/Loss Rebates	\$ 34.592	\$ -	\$ -
		-	\$ -	\$ -					Cong/Loss Rebates Total			\$ -
9/1-9/30		-	\$ -	\$ -				SIPC	DA RSG	\$ 34.592	\$ -	\$ -
9/1-9/30		-	\$ -	\$ -				AECI	DA RSG	\$ 34.592	\$ -	\$ -
		-	\$ -	\$ -					DA RSG Total			\$ -
9/1-9/30		-	\$ -	\$ -				AECI	DA/RT Settle Adj	\$ 34.592	\$ -	\$ -
		-	\$ -	\$ -					DA/RT Settle Adj Total			\$ -
9/1	HE 1-24	5,456.540	\$ 21.783	\$ 118,860.78	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/1	HE 6-8,11-12,16-17	227.638	\$ 18.684	\$ 4,253.22	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/2	HE 1-24	4,543.054	\$ 20.625	\$ 93,701.87	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/2	HE 2-5,8,12-13,16-17	252.173	\$ 17.978	\$ 4,533.63	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/3	HE 1-18,20-24	3,939.693	\$ 21.576	\$ 85,002.51	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/3	HE 6,8,10,21-22,24	90.241	\$ 19.827	\$ 1,789.25	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/4	HE 1-15,20-24	1,936.911	\$ 26.220	\$ 50,786.25	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/4	HE 1,3-6	84.251	\$ 14.476	\$ 1,219.61	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/5	HE 1-12,22-24	2,525.896	\$ 22.002	\$ 55,574.32	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/5	HE 3-4,8-9,11,13-14,16,20,22	302.428	\$ 26.338	\$ 7,965.43	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/6	HE 1-15,17-24	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/6	HE 1-2,4-6,8,10-12,15-24	4,315.185	\$ 25.415	\$ 109,669.70	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/7	HE 1-24	11,407.933	\$ 20.183	\$ 230,250.47	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/7	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/8	HE 1-18,20-24	2,994.627	\$ 19.014	\$ 56,940.34	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/8	HE 16-18,21-24	291.678	\$ 19.281	\$ 5,623.78	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/9	HE 1-16,21-24	2,439.699	\$ 20.774	\$ 50,682.72	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/9	HE 6-14,23	865.002	\$ 20.006	\$ 17,305.12	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/10	HE 1-15,21-24	2,488.479	\$ 25.672	\$ 63,883.38	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/10	HE 23	2.518	\$ 21.326	\$ 53.70	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/11	HE 1-5,7-9	708.498	\$ 20.061	\$ 14,212.96	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/11	HE 5-6,10-16,20-24	1,409.022	\$ 23.696	\$ 33,388.02	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/12	HE 1-4,9	499.542	\$ 21.112	\$ 10,546.22	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/12	HE 1,5-8,10-14,16,19-24	2,549.604	\$ 23.284	\$ 59,364.01	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/13	HE 1-13,21-24	1,180.026	\$ 22.521	\$ 26,575.74	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/13	HE 2-14,17,19-20,22	1,151.347	\$ 25.947	\$ 29,874.16	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/14	HE 2-3	62.400	\$ 20.936	\$ 1,306.38	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/14	HE 1,3,6-11,13-14,19-20,22-2	2,702.149	\$ 25.549	\$ 69,037.77	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/15	HE 1-3	22.413	\$ 19.836	\$ 444.58	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/15	HE 3,7-11	239.107	\$ 20.923	\$ 5,002.89	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/16	HE 2	11.200	\$ 22.311	\$ 249.88	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/16	HE 1,5-6,8-11,20-24	2,008.000	\$ 25.633	\$ 51,470.28	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/17	HE 1-3,6-10,22,24	367.807	\$ 27.629	\$ 10,162.32	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/17	HE 14,22	199.840	\$ 28.868	\$ 5,768.89	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/18	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/18	HE 1,5,7,9-10,13-14,22-24	816.140	\$ 27.293	\$ 22,274.70	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/19	HE 1-4	78.800	\$ 20.062	\$ 1,580.91	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/19	HE 6-11,13,22-24	956.315	\$ 30.796	\$ 29,450.58	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/20	HE 2-3	25.100	\$ 21.071	\$ 528.88	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/20	HE 1,5-6,8-10,12-13,20-21,24	468.091	\$ 27.696	\$ 12,964.11	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/21	HE 3-4	47.100	\$ 24.151	\$ 1,137.49	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/21	HE 2,5-11,13,17-23	2,075.479	\$ 25.180	\$ 52,260.05	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/22	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/22	HE 1-2,7-13,16,19	1,367.295	\$ 25.087	\$ 34,301.07	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/23	HE 2	14.000	\$ 23.730	\$ 332.22	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/23	HE 1,4-11,14,23-24	1,385.072	\$ 26.869	\$ 37,215.58	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -

(1)

DATE	HE	MWh	PRICE	TOTAL Cost		Executio n		Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
9/24	HE 1-4,6,8-13,22-24	1,746.100	\$ 30.099	\$ 52,555.73	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/24	HE 2,5	134.830	\$ 27.653	\$ 3,728.51	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/25	HE 1-5,22,24	1,579.000	\$ 29.023	\$ 45,827.96	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/25	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/26	HE 22-23	160.000	\$ 30.500	\$ 4,879.97	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/26	HE 2-4,8-11,14-17,19-21,23-2	1,993.329	\$ 29.673	\$ 59,147.98	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/27	HE 1-5,9-15,21-24	2,223.000	\$ 30.995	\$ 68,901.56	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/27	HE 1-24	2,003.009	\$ 22.002	\$ 44,070.76	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/28	HE 1-7,9-16,21-24	2,278.300	\$ 28.854	\$ 65,739.07	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/28	HE 1-13,16-17,20,22-24	2,019.302	\$ 12.567	\$ 25,376.98	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/29	HE 1-15,21-24	9,980.000	\$ 25.163	\$ 251,130.13	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/29	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/30	HE 1-4,9,23	1,072.000	\$ 27.645	\$ 29,635.23	Buy	Power	Day Ahead	MISO	Economic	\$ 34.592	\$ -	\$ -
9/30	HE 22	3.489	\$ (132.259)	\$ (461.45)	Buy	Power	Real Time	MISO	Economic	\$ 34.592	\$ -	\$ -
9/1-9/30		46,000.000	\$ 39.800	\$ 1,830,800.00	Buy	Hedge		AEP Energy Partners, Inc	Economic	\$ 34.592	\$ 5.208	\$ 239,582.37
9/1-9/30		24,000.000	\$ 49.550	\$ 1,189,200.00	Buy	Hedge		Macquarie Energy	Economic	\$ 34.592	\$ 14.958	\$ 358,999.50
9/1-9/30		72,000.000	\$ 39.400	\$ 2,836,800.00	Buy	Hedge		Nextera Energy	Economic	\$ 34.592	\$ 4.808	\$ 346,198.49
9/1-9/30		(142,000.000)	\$ 30.546	\$ (4,337,489.50)	Buy	Hedge		MISO	Economic	\$ 34.592	\$ -	\$ -
9/1-9/30		-	\$ -	\$ (7,735.21)	Buy	Hedge		MISO	Economic	\$ 34.592	\$ -	\$ -
		89,700.652		\$ 3,629,653.49					Economic Total			\$ 944,780.36 (1)
9/1-9/30		-	\$ -	\$ -				AECI	MISO Energy Charges - AECI	\$ 34.592	\$ -	\$ -
		-	\$ -	\$ -					MISO Energy Charges - AECI Total			\$ -
9/1-9/30		14,633.832	\$ 26.221	\$ 383,720.97				PADUCAH1	MISO Energy Charges - PADUCAH1	\$ 34.592	\$ -	\$ -
		14,633.832		\$ 383,720.97					MISO Energy Charges - PADUCAH1 Total			\$ -
9/1-9/30		10,800.000	\$ 32.835	\$ 354,621.75				SIPC	MISO Energy Charges - SIPC	\$ 34.592	\$ -	\$ -
		10,800.000		\$ 354,621.75					MISO Energy Charges - SIPC Total			\$ - (1)
9/4	HE 1-24	874.000	\$ 35.751	\$ 31,246.30	Buy	Power	Day Ahead	MISO	Outage G1-24-30	\$ 34.592	\$ 1.159	\$ 1,013.17
9/5	HE 1-24	1,044.000	\$ 47.929	\$ 50,037.50	Buy	Power	Day Ahead	MISO	Outage G1-24-30	\$ 34.592	\$ 13.337	\$ 13,923.78
9/6	HE 1-13	597.000	\$ 25.080	\$ 14,972.88	Buy	Power	Real Time	MISO	Outage G1-24-30	\$ 34.592	\$ -	\$ -
		2,515.000		\$ 96,256.68					Outage G1-24-30 (U04) Total			\$ 14,936.94 (1)
9/1	HE 1-24	4.460	\$ 20.953	\$ 93.45	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/2	HE 1-24	2.946	\$ 19.854	\$ 58.49	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/3	HE 1-24	2.307	\$ 21.517	\$ 49.64	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/4	HE 1-24	2.089	\$ 25.079	\$ 52.39	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/5	HE 1-24	2.104	\$ 31.568	\$ 66.42	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/6	HE 1-24	2.097	\$ 25.994	\$ 54.51	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/7	HE 1-24	2.067	\$ 20.131	\$ 41.61	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/8	HE 1-24	2.173	\$ 20.732	\$ 45.05	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/9	HE 1-24	2.201	\$ 25.479	\$ 56.08	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/10	HE 1-24	2.121	\$ 27.793	\$ 58.95	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/11	HE 1-24	2.102	\$ 33.107	\$ 69.59	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/12	HE 1-24	2.058	\$ 21.453	\$ 44.15	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/13	HE 1-24	2.074	\$ 27.565	\$ 57.17	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/14	HE 1-24	2.087	\$ 25.486	\$ 53.19	Buy	Power	Real Time	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/15	HE 1-24	2.087	\$ 28.275	\$ 59.01	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/16	HE 1-24	2.112	\$ 23.423	\$ 49.47	Buy	Power	Real Time	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
9/17	HE 1-24	2.093	\$ 26.541	\$ 55.55	Buy	Power	Day Ahead	MISO	Outage RCT-24-70	\$ 34.592	\$ -	\$ -
		39.178		\$ 964.72					Outage RCT-24-70 (U01) Total			\$ - (1)
9/1	HE 1-24	10,008.000	\$ 22.074	\$ 220,915.01	Buy	Power	Day Ahead	MISO	Outage W1-24-11	\$ 34.592	\$ -	\$ -
9/2	HE 1-24	10,008.000	\$ 20.853	\$ 208,692.43	Buy	Power	Day Ahead	MISO	Outage W1-24-11	\$ 34.592	\$ -	\$ -
9/3	HE 1-24	10,008.000	\$ 21.853	\$ 218,705.54	Buy	Power	Day Ahead	MISO	Outage W1-24-11	\$ 34.592	\$ -	\$ -
9/4	HE 1-24	10,008.000	\$ 21.656	\$ 216,733.13	Buy	Power	Day Ahead	MISO	Outage W1-24-11	\$ 34.592	\$ -	\$ -
9/5	HE 1-24	10,008.000	\$ 33.390	\$ 334,170.08	Buy	Power	Day Ahead	MISO	Outage W1-24-11	\$ 34.592	\$ -	\$ -
9/6	HE 1-10	8,671.103	\$ 25.068	\$ 217,370.39	Buy	Power	Day Ahead	MISO	Outage W1-24-11	\$ 34.592	\$ -	\$ -
9/6	HE 1-2,4-6,8,10-12,15-22	456.292	\$ 35.277	\$ 16,096.54	Buy	Power	Real Time	MISO	Outage W1-24-11	\$ 34.592	\$ 0.685	\$ 312.63
		59,167.395		\$ 1,432,683.12					Outage W1-24-11 (U04) Total			\$ 312.63 (1)

BIG RIVERS ELECTRIC CORPORATION
PURCHASES
September 30, 2024

Form B

DATE	HE	MWh	PRICE	TOTAL Cost		Executio n		Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
9/28	HE 10-21	5,328.810	\$ 42.226	\$ 225,016.87	Buy	Power	Real Time	MISO	Outage W1-24-12	\$ 34.592	\$ 7.635	\$ 40,684.34
		5,328.810		\$ 225,016.87					Outage W1-24-12 (U02) Total			\$ 40,684.34 (1)
9/1-9/30		-	\$ -	\$ 146.37				PJM	PJM Fees (Transmission Only)	\$ 34.592	\$ -	\$ -
		-	\$ -	\$ 146.37					PJM Fees (Transmission Only) Total			\$ -
9/1-9/30		(5,481.000)	\$ 29.063	\$ (159,295.69)				SIPC/AECI	SIPC/AECI GFA Transactions	\$ 34.592	\$ -	\$ -
		(5,481.000)		\$ (159,295.69)					SIPC/AECI GFA Transactions Total			\$ - (1)
9/1	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/1	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/2	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/2	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/3	HE 19	643.000	\$ 36.305	\$ 23,343.92	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 1.713	\$ 1,101.46
9/3	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/4	HE 16-19	2,123.000	\$ 45.100	\$ 95,747.00	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 10.508	\$ 22,308.85
9/4	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/5	HE 13-21	1,654.000	\$ 44.897	\$ 74,259.50	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 10.305	\$ 17,044.85
9/5	HE 7,12,15,19,23	184.044	\$ 92.683	\$ 17,057.84	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 58.092	\$ 10,691.45
9/6	HE 16	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/6	HE 13-14	674.632	\$ 50.163	\$ 33,841.37	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 15.571	\$ 10,504.71
9/7	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/7	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/8	HE 19	116.000	\$ 41.083	\$ 4,765.63	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 6.491	\$ 752.99
9/8	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/9	HE 17-20	672.000	\$ 40.103	\$ 26,949.40	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 5.512	\$ 3,703.79
9/9	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/10	HE 16-20	1,188.000	\$ 45.248	\$ 53,754.46	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 10.656	\$ 12,659.54
9/10	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/11	HE 14-20	369.000	\$ 90.208	\$ 33,286.60	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 55.616	\$ 20,522.27
9/11	HE 17-18	13.174	\$ 69.648	\$ 917.54	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 35.056	\$ 461.83
9/12	HE 5	1.000	\$ 74.760	\$ 74.76	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 40.168	\$ 40.17
9/12	HE 15	168.649	\$ 35.975	\$ 6,067.11	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 1.383	\$ 233.26
9/13	HE 18	1.000	\$ 720.560	\$ 720.56	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 685.968	\$ 685.97
9/13	HE 15-16,18,21	430.757	\$ 42.605	\$ 18,352.20	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 8.013	\$ 3,451.59
9/14	HE 1	4.000	\$ 175.133	\$ 700.53	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 140.541	\$ 562.16
9/14	HE 12,15-18,21	782.286	\$ 88.140	\$ 68,950.76	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 53.548	\$ 41,890.17
9/15	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/15	HE 12-18,20-21	505.998	\$ 46.291	\$ 23,422.99	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 11.699	\$ 5,919.67
9/16	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/16	HE 7,12-19	1,551.157	\$ 62.741	\$ 97,321.78	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 28.150	\$ 43,664.64
9/17	HE 11	31.000	\$ 36.032	\$ 1,116.99	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 1.440	\$ 44.65
9/17	HE 11-13,15	495.367	\$ 36.628	\$ 18,144.44	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 2.037	\$ 1,008.86
9/18	HE 2	3.400	\$ 46.703	\$ 158.79	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 12.111	\$ 41.18
9/18	HE 11-12,15-16,20-21	492.623	\$ 44.028	\$ 21,689.26	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 9.436	\$ 4,648.60
9/19	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/19	HE 12,14-16,21	478.970	\$ 38.938	\$ 18,650.07	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 4.346	\$ 2,081.69
9/20	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/20	HE 7,11,14-15,17-18	179.569	\$ 58.746	\$ 10,548.95	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 24.154	\$ 4,337.36
9/21	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/21	HE 12,14-16	509.485	\$ 38.139	\$ 19,431.43	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 3.548	\$ 1,807.48
9/22	HE 4-5	28.700	\$ 93.857	\$ 2,693.70	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 59.265	\$ 1,700.92
9/22	HE 14	63.149	\$ 45.551	\$ 2,876.50	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 10.959	\$ 692.07
9/23	HE	-	\$ -	\$ -	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/23	HE 12-13,18-22	1,136.504	\$ 74.916	\$ 85,142.66	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 40.325	\$ 45,829.07
9/24	HE 7,14-21	1,678.000	\$ 39.167	\$ 65,722.93	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 4.576	\$ 7,678.08
9/24	HE 6-21	2,562.031	\$ 84.838	\$ 217,356.59	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 50.246	\$ 128,731.61
9/25	HE 6-21,23	2,302.000	\$ 49.840	\$ 114,730.58	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 15.248	\$ 35,100.52
9/25	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -

**BIG RIVERS ELECTRIC CORPORATION
PURCHASES
September 30, 2024**

Form B

DATE	HE	MWh	PRICE	TOTAL Cost		Executio n		Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
9/26	HE 6,9,13-16,21,24	128.000	\$ 53.134	\$ 6,801.19	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 18.543	\$ 2,373.45
9/26	HE 5-7,12-13,18,22	886.690	\$ 46.447	\$ 41,183.88	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 11.855	\$ 10,511.78
9/27	HE 6-8,16-20	1,483.000	\$ 37.250	\$ 55,241.64	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 2.658	\$ 3,942.17
9/27	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/29	HE	-	\$ -	\$ -	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ -	\$ -
9/30	HE 5-8,10-22,24	1,605.000	\$ 43.128	\$ 69,221.04	Buy	Power	Day Ahead	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 8.537	\$ 13,701.38
9/30	HE 13	27.478	\$ 41.495	\$ 1,140.19	Buy	Power	Real Time	MISO	To Cover Load and Lack of Generation	\$ 34.592	\$ 6.903	\$ 189.68
		28,447.493		\$ 1,502,591.94					To Cover Load and Lack of Generation Total			\$ 518,545.15 (4)
9/1-9/30		-	\$ -	\$ -				MISO		\$ 34.592	\$ -	\$ -
		207,063.210		\$ 7,525,915.56					Grand Total			\$ 1,519,259.43
	Plus: SEPA	22,260.000	\$ 29.770	\$ 662,674.06								
	Plus: KY National Guard	1.304	\$ 26.810	\$ 34.96								
	Plus: Southern Star	59.482	\$ 34.616	\$ 2,059.05								
	Plus: Capacity Purchases	-	\$ -	\$ 206,250.00								
	Total Purchased Power	229,383.996	91.196	8,397,092.420								

Recon to Nodal (S7):

Total MISO Purchased Power (Above):	207,063.210	\$ 7,525,915.56
Less: Purchases for Domtar Back-Up Power	1,911.850	\$ 59,555.34
Less: SIPC Charges	10,800.000	\$ 354,621.75
Less: SIPC GFA Transactions	(5,481.000)	\$ (159,295.69)
Less: PJM Transactions	-	\$ 146.37
Less: AECI Charges	-	-
Less: Purchased Power Hedges	-	\$ 1,511,575.29
Total MISO Purchases Above (Excl. SIPC & Domtar):	199,832.360	\$ 5,759,312.50
Total MISO Purchased Power per S7 Nodal Report:	185,198.528	\$ 5,375,591.53
Total MISO Purchased Power per S7 Nodal Report:	14,634.977	\$ 383,720.97

(A) Total Purchases over Highest Cost Unit	\$ 1,519,259.43
(1) Purchases above Highest Cost Unit for Forced Outages > 6 hours	\$ 1,000,714.28
(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.	\$ 518,545.15
(5) Total Purchases above Highest Cost Unit (A)-(1) (For Form A Filing)	\$ 518,545.15

**BIG RIVERS ELECTRIC CORPORATION
FUEL BURNED**

MONTH OF 09/30/24

		TON/GAL/MCF	Cost	Gross KWH	TRUE NET KWH	Mills/KWH
Reid			\$ -	0	0	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
Gas Turbine			\$ -	0	(40)	0.000
	Oil	-	\$ -			
	Gas	-	\$ -			
Wilson			\$ 5,949,776.92	219,890,890	203,027,930	29.305
	Coal	115,474.33	\$ 5,691,976.93			
	PetCoke	-	\$ -			
	Oil	108,422.95	\$ 257,799.99			
H1 (net of city take)			\$ -	0	(31,760)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
H2 (net of city take)			\$ -	0	(31,759)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
Station Two			\$ -	0	(63,519)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
G1			\$ 1,448,175.14	48,686,621	42,709,908	33.907
	Coal	-	\$ -			
	PetCoke	-	\$ -			
	Gas	512,508.00	\$ 1,448,175.14			
G2			\$ 1,110,428.87	37,025,430	32,101,032	34.592
	Coal	-	\$ -			
	PetCoke	-	\$ -			
	Gas	390,691.00	\$ 1,110,428.87			
Green			\$ 2,558,604.01	85,712,051	74,810,940	34.201
	Coal	0.00	\$ -			
	PetCoke	-	\$ -			
	Gas	903,199.00	\$ 2,558,604.01			
SYSTEM TOTAL			\$ 8,508,380.93	305,602,941	277,775,311	30.630
					11,699,211	
					266,076,100	31.977
					(63,519)	
					266,139,619	31.970
	Coal		\$ 5,691,976.93			
	Pet Coke		\$ -			
	Oil		\$ 257,799.99			
	Gas		\$ 2,558,604.01			
			\$ 8,508,380.93			

Reid Combustion Turbine
September 30, 2024

Form B

Date	1-Sep Estimated Gas Price	Gross Mw's	Estimated Nat Gas Burn (MCF/HR)	Estimated BTU/HR	Gross Heat Rate (BTU/KWH)	Adjusted Gross Heat Rate (X%) (BTU/KWH)	Cost Per Gross Megawatt (\$/mwh)
9/1/24	\$2.57	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 31.08
9/2/24	\$2.57	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 31.08
9/3/24	\$2.57	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 31.08
9/4/24	\$2.57	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 31.08
9/5/24	\$2.68	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 32.41
9/6/24	\$2.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 32.53
9/7/24	\$2.63	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 31.80
9/8/24	\$2.60	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 31.44
9/9/24	\$2.60	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 31.44
9/10/24	\$2.60	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 31.44
9/11/24	\$2.67	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 32.28
9/12/24	\$2.68	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 32.41
9/13/24	\$2.65	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 32.04
9/14/24	\$2.94	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 35.55
9/15/24	\$2.82	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 34.10
9/16/24	\$2.82	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 34.10
9/17/24	\$2.82	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 34.10
9/18/24	\$2.94	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 35.55
9/19/24	\$3.01	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 36.40
9/20/24	\$2.97	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 35.91
9/21/24	\$2.86	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 34.58
9/22/24	\$3.11	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 37.61
9/23/24	\$3.11	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 37.61
9/24/24	\$3.11	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 37.61
9/25/24	\$3.21	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 38.81
9/26/24	\$3.22	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 38.94
9/27/24	\$3.19	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 38.57
9/28/24	\$3.17	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 38.33
9/29/24	\$3.17	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 38.33
9/30/24	\$3.17	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 38.33
Average	\$2.86	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 34.550

September Average

\$ 34.550 \$/MwH

September Lowest Gas Price

\$ 31.076 \$/MwH

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

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF COAL PURCHASED FOR FUEL CLAUSE BACKUP
September 30, 2024**

STATION & SUPPLIER (a)	PBDU (b)	POCN (c)	MT (d)	Mine Type (e)	State Code (f)	Tons Purchased (g)	BTU Per Lb. (h)	No. MMBTU Per Ton (i)	F.O.B. Mine		Transportation Cost		Delivered Cost		% SO2 (n)	% Ash (o)	% H2O (p)	
									\$ 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	30,086.38	11,523	693,343.88	46.2927	200.8786	7.0432	30.5625	53.3359	231.4411	2.91	9.18	11.61	
American Consolidated Natural Resources - 1109	P	22-001	T	U	WKY	27,122.00	12,786	693,588.43	51.5289	201.4980	0.0000	0.0000	51.5289	201.4980	2.14	8.67	6.50	
Total Contract						57,208.38	12,122	1,386,932.31	48.7751	201.1884	3.7041	15.2785	52.4792	216.4669	2.54	8.94	9.19	
SPOT CONTRACT																		
Foresight Coal - 1111	P	24-001	B	U	IL	17,406.23	11,202	389,978.30	45.2940	202.1645	0.0000	0.0000	45.2940	202.1645	3.00	9.13	13.39	
Total Spot						17,406.23	11,202	389,978.30	45.2940	202.1645	0.0000	0.0000	45.2940	202.1645	3.00	9.13	13.39	
TOTAL WILSON STATION						74,614.61	11,907	1,776,910.61	47.9631	201.4026	2.8400	11.9254	50.8030	213.3280	2.65	8.98	10.17	
TOTAL BIG RIVERS SYSTEM						74,614.61	11,907	1,776,910.61	47.9631	201.4026	2.8400	11.9254	50.8030	213.3280	2.65	8.98	10.17	

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
September 30, 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
September 30, 2024**

Fuel & Supplier (a)	P B D U (b)	P O C N (c)	M T (d)	Station Name (e)	Gal. or MMBtu Purchased (f)	BTU Per Unit (g)	Delivered Cost(\$) (h)	Cents per MMBTU (i)	% Sulfur (j)
<u>Oil - Start-up & Flame Stabilization</u>									
#2 Diesel - Heritage Petroleum, LLC	D	P.O. 276868	T	Wilson	96,650.00	138,000	\$ 214,479.90	0.0161	N/A
					<u>96,650.00</u>		<u>\$ 214,479.90</u>		
<u>Oil - Coal Handling</u>									
					<u>-</u>	138,000	<u>\$ -</u>	0.0000	N/A
<u>Natural Gas</u>									
CIMA Energy (3)	P	BRE-14-G07	P	Green	17,586.00	1,000,000	\$ 42,566.72	0.0024	N/A
ECO-Energy (3)	P	BRE-22-G07	P	Green	20,000.00	1,000,000	\$ 49,800.00	0.0025	N/A
Twin Eagle Resource Mangement, LLC (3)	P	BRE-24-G02	P	Green	242,259.00	1,000,000	\$ 524,590.64	0.0022	N/A
Tenaska Marketing Ventures (3)	P	BRE-11-G06	P	Green	691,303.00	1,000,000	\$ 1,589,706.01	0.0023	N/A
NRG Business Marketing LLC (3)	P	BRE-22-G08	P	Green	4,700.00	1,000,000	\$ 11,562.00	0.0025	N/A
Texas Gas Transmission (3)	P	BRE 10-G01	P	Green	-	1,000,000	\$ 340,378.64	0.0000	N/A
Fuel Qtv and Pipe Imbalance (2)	P			Green	(15,380.00)	1,000,000	\$ -	0.0000	N/A
					<u>960,468.00</u>	1,000,000	<u>\$ 2,558,604.01</u>	0.0027	N/A

Footnotes:

- (1) BREC purchased and used 0 MMBtu for the Reid CT in September 2024.
- (2) Gas quantity cuts from scheduled gas and +/- pipe imbalance beg/end of month.
- (3) BREC purchased 960,468 MMBtu for Green Unit 1 & 2 in September 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: September 30, 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	0	0
	c. Net Demonstrated Capability (MW)	65	65	130
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	0.0%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	0	0	0
	c. Net Generation (MWH)	0	(0)	(0)
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	0	0
3.	Operation Availability:			
	a. Hours Unit Operated	0.0	0.0	0.0
	b. Hours Available	0.0	0.0	0.0
	c. Hours During the Period	720.0	720.0	1,440.0
	d. Availability Factor(L3b/L3c) (%)	0.0%	0.0%	0.0%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0000	0.0000	0.0000
	b. Net Generation - FAC Basis (cents/KWH)	0.0000	0.0000	0.0000
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station	0	0	0

Footnotes:

(1) Reid Unit 1 was put into Idled Status effective April 1, 2016.
 (2) Reid CT has dual capability of operating as an oil-fired unit or a natural gas-fired unit.

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: HMP&L Station Two

For the Month of: September 30, 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)	(32)	(32)	(64)
	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	720.0	720.0	1,440.0
	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: September 30, 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)	119	111	230
	c. Net Demonstrated Capability (MW)	231	223	454
	d. Net Capability Factor(L1b/L1c) (%)	51.5%	49.8%	50.7%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	0	0
	b. Gross Generation (MWH)	48,687	37,025	85,712
	c. Net Generation (MWH)	42,710	32,101	74,811
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	0	0
3.	Operation Availability:			
	a. Hours Unit Operated	358.5	288.6	647.1
	b. Hours Available	654.1	720.0	1,374.1
	c. Hours During the Period	720.0	720.0	1,440.0
	d. Availability Factor(L3b/L3c) (%)	90.8%	100.0%	95.4%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0297	0.0300	0.0299
	b. Net Generation - FAC Basis (cents/KWH)	0.0339	0.0346	0.0342
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: September 30, 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)	358	358
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	85.9%	85.9%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	2,202,791	2,202,791
	b. Gross Generation (MWH)	219,891	219,891
	c. Net Generation (MWH)	203,028	203,028
	d. Heat Rate(L2a/L2c) (BTU/KWH)	10,850	10,850
3.	Operation Availability:		
	a. Hours Unit Operated	566.7	566.7
	b. Hours Available	566.7	566.7
	c. Hours During the Period	720.0	720.0
	d. Availability Factor(L3b/L3c) (%)	78.7%	78.7%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0271	0.0271
	b. Net Generation - FAC Basis (cents/KWH)	0.0293	0.0293
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	135	135

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.