



201 Third Street
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www.bigrivers.com

August 11, 2022

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

RECEIVED

AUG 11 2022

PUBLIC SERVICE
COMMISSION

RE: Big Rivers Electric Corporation
Fuel Adjustment Clause (FAC)
Form B Support for Expense Month June 2022

Dear Executive Director:

Enclosed is Big Rivers' Form B in support of the FAC filing for the month ending June 30, 2022.

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". The signature is written in a cursive, flowing style.

Katie Cheatham
Manager Accounting

Enclosure

c: Mr. Paul Smith, Chief Financial Officer
Mr. Greg Grissom, Jackson Purchase Energy Corporation
Mr. Jeff Hohn, Kenergy Corp.
Mr. Marty Littrel, Meade County RECC
Mr. Tyson Kamuf, Esq., Corporate Attorney

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: June 30, 2022

	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 Shortfall	0.00	0.00	0.0000 ¢	0.00	\$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	\$22,292,487.99	9,493,012.03	234.8305 ¢	405,838.06	\$54.9295
Purchases (1)	5,566,860.74	2,701,023.17	206.1019 ¢	113,595.08	\$49.0062
Sub-total	27,859,348.73	12,194,035.20	228.4670 ¢	519,433.14	\$53.6341
Less Fuel Burned	6,312,576.62	2,763,014.37	228.4670 ¢	117,696.99	\$53.6341
Physical Inventory Adjustment	-	-	0.0000	-	\$0.0000
Ending Inventory	\$21,546,772.11	9,431,020.83	228.4670 ¢	401,736.15	\$53.6341
	Coal in Transit				
	Amount	MMBTU	Per Unit	Tons	Per Unit
Coal In Transit (2)	936,233.93	510,915.87	183.2462 ¢	21,939.46	\$42.6735
Total Combined Inventory	\$22,483,006.04	9,941,936.70	226.1431 ¢	423,675.61	\$53.0666

Footnotes:

(1) There was 22 barge fleeting invoices in June 2022 (9 Invoices at \$1,924.40 each: BKO117/BKO125/BKO136/BKO143/BKO160/BKO209/BKO217/BKO226/BKO238, 5 invoices at \$1,577.90 each: BKO106/BKO129/BKO140/BKO235/BKO236, 2 invoices at \$1,379.90 each: BKO107/BKO108, \$3,508.40 BKO101, \$1,082.90 BKO142, \$1,726.40 BKO148, \$938.90 BKO154, \$1,330.40 BKO229, \$2,716.60 various barges). Freight charges are allocated on tons unloaded during the current month to the stations. Wilson Station received barged coal in June 2022. The freight cost for June 2022 was \$13.348661508 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 June 2022 was 21,939.46 tons for Wilson Station.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: HMP&L Station Two, Green and Wilson

Month Ended: June 30, 2022

Fuel Pet CokeGreen

	<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	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

	<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	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

	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
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: June 30, 2022

Fuel No. 2 Fuel OilReid 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	0.00	0.00	0.0000	¢
Non-Jurisdictional			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)	0.00	0.00	0.0000	¢
Non-Jurisdictional				¢
Ending Inventory	0.00	\$0.00	0.0000	¢

Footnotes:

(1) True-up of Book to Physical Measurement for June 2022.

(2) Transfer out of fuel oil from Reid Combustion Turbine to Wilson Station June 2022.

(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: June 30, 2022

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	199,019.56	\$587,394.23	295.1440	¢
Transfer In (2)	0.00	0.00	0.0000	¢
Adjustments (4)	0.00	0.00	0.0000	¢
Purchases	99,918.00	461,455.31	461.8340	¢
Sub-Total	298,937.56	1,048,849.54	350.8591	¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	34,997.15	122,790.67	350.8591	¢
Ending Inventory	263,940.41	926,058.87	350.8591	¢

Reid/Green - Coal Handling

	Units (Gal.)	Amount	Amount Per Unit	
Beginning Inventory	7,968.09	\$23,398.96	293.6583	¢
Adjustments	0.00	0.00	0.0000	¢
Purchases	0.00	0.00	0.0000	¢
Sub-Total	7,968.09	23,398.96	293.6583	¢
Coal Handling Usage - O&M - Non-Jurisdictional (3)	0.00	0.00	0.0000	¢
Ending Inventory	7,968.09	\$23,398.96	293.6583	¢
Total Combined Inventory	271,908.50	\$949,457.83	349.1828	¢

Footnotes:

- (1) There was no transfer of fuel oil from Reid Combustion Turbine fuel oil tank to Wilson Station June 2022.
(2) Transfer in of fuel oil from Combustion Turbine tank and the Green Station fuel oil tank to the Wilson Station fuel oil tank June 2022.
(3) Coal Handling usage of fuel oil that is not used for direct generation of electricity in June 2022.
(4) True-up of Book to Physical Measurement for June 2022.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid Combustion Turbine

Month Ended: June 30, 2022

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	0.00	0.00	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	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)	936,204.00	8,406,737.76	8.9796	MMBtu
Purchase Adjustment (4)	0.00	0.00	0.0000	MMBtu
Sub-total	936,204.00	8,406,737.76	8.9796	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)	936,204.00	8,406,737.76	8.9796	MMBtu
Ending Inventory	0.00	\$0.00	0.0000	MMBtu

Footnotes:

- (1) BREC purchased and used 0 MMBtu for the Reid CT in June 2022.
 (2) There was no purchase adjustments for the Reid CT in June 2022.
 (3) BREC purchased 936,204 MMBtu for Green Unit 1 & 2 in June 2022.
 (4) There was no purchase adjustments for Green Unit 1 & 2 in June 2022.

Month Ended: June 30, 2022

Form B

POWER TRANSACTION SCHEDULE

Company: BIG RIVERS ELECTRIC CORPORATION

Company:					BIO RIVERS ELECTRIC CORPORATION					
					Billing Components					
Company		Purpose	System Average(\$)	Type of Transaction	Kwh	Demand/ Capacity(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)	
Purchases										
	MISO	Unscheduled Outages < 6 Hours:		Non-Displacement	2,227,297	\$0	\$105,338	\$118,641	\$223,979	
	MISO	Available for system		Non-Displacement	12,050,659	\$0	\$569,924	(\$5,968,559)	(\$5,398,635)	
	KY National Guard	Available for system		Non-Displacement	2,077	\$0	\$0	\$46	\$46	
	Southern Star	Available for system		Non-Displacement	83,615	\$0	\$0	\$1,863	\$1,863	
	SEPA	Available for system		Non-Displacement	12,727,000	\$827,920	\$0	\$0	\$827,920	
SUB-TOTAL(1)		Net Energy Cost - Economy Purchases			27,080,668	\$827,920	\$675,262	(\$5,848,009)	\$4,344,827	
Footnote 1										
	MISO	Scheduled Outages:		Non-Displacement	0	\$0	\$0	\$0	\$0	
	MISO	Domtar Purchases		Non-Displacement	11,382,053	\$0	\$538,303	\$480,759	\$1,019,061	
	MISO-Paducah	Blockware		Non-Displacement	11,552,701	\$0	\$546,373	\$432,053	\$978,426	
	MISO	Intersystem Sale		Non-Displacement	14,742,000	\$0	\$697,208	\$1,143,146	\$1,840,354	
	MISO	Cover Load & Lack of Generation		Non-Displacement	70,895,444	\$0	\$3,352,929	\$4,327,333	\$7,680,262	
SUB-TOTAL(2)		Identifiable fuel cost (Total Other Purchases)			108,672,198	\$0	\$5,134,814	\$6,383,290	\$11,618,103	
SUB-TOTAL(3)										
	MISO	Purchases for Forced Outages (> 6 hrs.):		Non-Displacement	39,144,995	\$0	\$1,851,323	\$2,041,609	\$3,892,932	
SUB-TOTAL(3)		Identifiable fuel cost (substitute for Forced Outage)			39,144,995	\$0	\$1,851,323	\$2,041,609	\$3,892,932	
LESS: PURCHASED FOR SUPPLEMENTAL OR BACKUP SALES					174,807,861	\$827,920	\$7,661,399	\$2,676,889	\$11,066,208	
TOTAL(4)					0	\$0	\$0	\$0	\$0.00	
Total Purchased Power					174,807,861	\$827,920	\$7,661,399	\$2,676,889	\$11,066,208	
Sales										
Footnote 2		Purchased Power:								
SUB-TOTAL(1)		DTE/EDF/NextEra/Morgan Stanley	Indiana Hub(BTB)	\$47.294(System Average)	MISO (BTB)	14,742,000	\$0	\$697,208	(\$7,432,987)	(\$6,735,779)
					14,742,000	\$0	\$697,208	(\$7,432,987)	(\$6,735,779)	
Footnote 2										
Footnote 2		Generation:								
		MISO:	BREC	\$47.294(System Average)	Coal-Petcoke Fired	190,027,657	\$0	\$8,987,168	\$15,102,705	\$24,089,873
		HMP&L	BREC	\$47.294(System Average)	Coal-Petcoke Fired	0	\$0	\$0	\$3,635	\$3,635
SUB-TOTAL(2)					190,027,657	\$0	\$8,987,168	\$16,106,339	\$24,093,507	
LOSSES ACROSS OTHER SYSTEMS(NOT BILLED) (Footnote 3)					13,379,083	\$0	\$0	\$0	\$0	
TOTAL(3)					218,148,740	\$0	\$9,684,376	\$7,673,352	\$17,357,728	
Interchange In					445,367,845	\$0	\$0	\$0	\$0	
Interchange Out					438,317,801	\$0	\$0	\$0	\$0	
Net Interchange					7,050,044	\$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 \$47.294 mills. There was a true-up of total energy dollars of \$78,694.57 in June 2022 from the \$55 April 2022 resettlement.

There was no impact to volume from the true-up made in June 2022 for April 2022 \$55 resettlement. HMP&L was also invoiced \$3,634.53 for Auxiliary Power for June 2022.

Footnote 3: The calculated line losses for June 2022 activity was 13,379,083.

Light Blue - Net Energy Cost - Economy Purchases

Yellow - Identifiable fuel cost - Other Purchases

Green - Identifiable fuel cost - Forced Outage Purchases

DATE	HE	MWh	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit		
6/1-6/30		11,382.053	\$ 89.532	\$ 1,019,061.49		Domtar	Back-Up Power	\$ 129.122	\$ -	\$ -		
		11,382.053		\$ 1,019,061.49			Back-Up Power Total			\$ -		
6/1-6/30			\$ -	\$ -		SIPC	Cong/Loss Rebates	\$ 129.122	\$ -	\$ -		
6/1-6/30			\$ -	\$ -		AECI	Cong/Loss Rebates	\$ 129.122	\$ -	\$ -		
				\$ -			Cong/Loss Rebates Total			\$ -		
6/1-6/30			\$ -	\$ -		SIPC	DA RSG	\$ 129.122	\$ -	\$ -		
6/1-6/30			\$ -	\$ -		AECI	DA RSG	\$ 129.122	\$ -	\$ -		
				\$ -			DA RSG Total			\$ -		
6/1	HE 1-10,12-13,16-24	691.844	\$ 97.811	\$ 67,669.65	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/3	HE 1-14,16-22	429.190	\$ 86.537	\$ 37,140.89	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/3	HE 24	4,617	\$ 74.498	\$ 343.97	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/4	HE 1-2	42,942	\$ 62.318	\$ 2,676.06	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/4	HE 4-10	189,516	\$ 61.617	\$ 11,677.50	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/4	HE 16-24	152,886	\$ 90.943	\$ 13,903.97	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/5	HE 1	1,446	\$ 50.824	\$ 73.51	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/5	HE 3	3,620	\$ 50.606	\$ 183.19	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/5	HE 5-6	10,986	\$ 43.657	\$ 479.60	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/5	HE 9-24	386,520	\$ 83.395	\$ 32,233.70	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/7	HE 5-6	24,145	\$ 58.690	\$ 1,417.05	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/8	HE 11-24	769,956	\$ 93.077	\$ 71,665.40	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/9	HE 1-8	256,592	\$ 65.370	\$ 16,773.49	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/9	HE 13-15,17	221,996	\$ 98.679	\$ 21,906.35	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/13	HE 1-8	335,854	\$ 76.237	\$ 25,604.49	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/13	HE 21-23	239,098	\$ 110.304	\$ 26,373.37	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/14	HE 9-12,15,20-24	659,148	\$ 97.936	\$ 64,141.51	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/16	HE 5	3,022	\$ 71.432	\$ 215.85	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/16	HE 9-12,15, 9-20,22	618,898	\$ 108.903	\$ 89,180.17	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/17	HE 18-20	80,502	\$ 118.932	\$ 9,574.28	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/18	HE 1-24	3,920,201	\$ 57.474	\$ 225,310.24	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/19	HE 1-4,7-23	329,435	\$ 44.285	\$ 14,589.10	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/20	HE 1	1,866	\$ 80.273	\$ 149.76	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/21	HE 14-15	87,177	\$ 106.428	\$ 9,278.06	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/21	HE 21-22	22,220	\$ 87.476	\$ 1,943.68	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/22	HE 12-14	153,411	\$ 112.389	\$ 17,241.74	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/23	HE 17-24	205,626	\$ 92.532	\$ 19,027.03	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/24	HE 2-5	20,269	\$ 44.149	\$ 894.87	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/24	HE 7-24	242,311	\$ 82.701	\$ 20,039.48	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/25	HE 1-9	140,308	\$ 55.825	\$ 7,832.76	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/25	HE 11-15,20-24	336,860	\$ 89.668	\$ 30,205.64	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/26	HE 1-7	169,515	\$ 64.173	\$ 10,878.34	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/26	HE 23	3,721	\$ 56.982	\$ 212.04	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/27	HE 1-20	260,814	\$ 55.299	\$ 14,422.68	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/27	HE 24	7,308	\$ 46.993	\$ 343.40	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/28	HE 1-13	103,344	\$ 47.898	\$ 4,950.02	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/28	HE 19-24	38,799	\$ 63.286	\$ 2,455.40	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/29	HE 1-10	69,114	\$ 41.361	\$ 2,858.62	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/29	HE 16-22	56,844	\$ 99.828	\$ 5,674.59	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/30	HE 10-24	358,748	\$ 86.602	\$ 31,068.25	Buy	Power	Real Time	MISO	Economic	\$ 129.122	\$ -	\$ -
6/1-6/30		-	\$ -	\$ 432,400.00	Buy	Hedge	AEP Energy Partner	Economic	\$ 129.122	\$ -	\$ -	
6/1-6/30		-	\$ -	\$ 1,140,480.00	Buy	Hedge	Macquarie Energy	Economic	\$ 129.122	\$ -	\$ -	
6/1-6/30		-	\$ -	\$ 2,080,800.00	Buy	Hedge	NextEra Energy	Economic	\$ 129.122	\$ -	\$ -	
6/1-6/30		-	\$ -	\$ (8,917,524.62)	Buy	Hedge	MISO	Economic	\$ 129.122	\$ -	\$ -	
6/1-6/30		-	\$ -	\$ (1,067,400.00)	Buy	Hedge	NextEra Energy	Economic	\$ 129.122	\$ -	\$ -	
		12,050.669		\$ (5,398,634.93)			Economic Total			\$ -		
6/6	HE 19-21	194,864	\$ 100.035	\$ 19,493.12	Buy	Power	Real Time	MISO	G2 - UO1 [22-21]	\$ 129.122	\$ -	\$ -
		194,864		\$ 19,493.12			G2 - UO1 [22-21] Total [FO<6]			\$ -	\$ -	
6/13	HE 14-24	2,078,230	\$ 509.798	\$ 1,059,477.44	Buy	Power	Real Time	MISO	G2 - UO1 [22-22]	\$ 129.122	\$ 380.676	\$ 791,131.45
		2,078,230		\$ 1,059,477.44			G2 - UO1 [22-22] Total [FO>6]			\$ -	\$ 791,131.45	
6/14	HE 1-7	658,069	\$ 78.936	\$ 67,732.81	Buy	Power	Real Time	MISO	G2 - UO1 [22-23]	\$ 129.122	\$ -	\$ -
		658,069		\$ 67,732.81			G2 - UO1 [22-23] Total [FO<6]			\$ -	\$ -	
6/14	HE 8	96,000	\$ 72.291	\$ 6,939.90	Buy	Power	Real Time	MISO	G2 - UO1 [22-24]	\$ 129.122	\$ -	\$ -
		96,000		\$ 6,939.90			G2 - UO1 [22-24] Total [FO<6]			\$ -	\$ -	
6/14	HE 8-23	3,424,887	\$ 114.734	\$ 392,952.61	Buy	Power	Real Time	MISO	G2 - UO1 [22-25]	\$ 129.122	\$ -	\$ -
		3,424,887		\$ 392,952.61			G2 - UO1 [22-25] Total [FO>6]			\$ -	\$ -	
6/15	HE 17-20	46,289	\$ 182.522	\$ 8,448.81	Buy	Power	Real Time	MISO	G2 - UO1 [22-26]	\$ 129.122	\$ 53.400	\$ 2,471.83
		46,289		\$ 8,448.81			G2 - UO1 [22-26] Total [FO<6]			\$ -	\$ 2,471.83	
6/16	HE 12-24	2,678,008	\$ 132.579	\$ 355,046.63	Buy	Power	Real Time	MISO	G2 - UO1 [22-27]	\$ 129.122	\$ 3,456	\$ 9,255.96
6/17	HE 1-8	565,611	\$ 83.320	\$ 47,126.89	Buy	Power	Real Time	MISO	G2 - UO1 [22-27]	\$ 129.122	\$ -	\$ -
		3,243,619		\$ 402,173.52			G2 - UO1 [22-27] Total [FO>6]			\$ -	\$ 9,255.96	
6/21	HE 15-16	192,893	\$ 152.121	\$ 29,343.24	Buy	Power	Real Time	MISO	G2 - UO1 [22-29]	\$ 129.122	\$ 22,999	\$ 4,436.38
		192,893		\$ 29,343.24			G2 - UO1 [22-29] Total [FO<6]			\$ -	\$ 4,436.38	
6/22	HE 11-13	243,713	\$ 101.076	\$ 24,633.52	Buy	Power	Real Time	MISO	G2 - UO1 [22-30]	\$ 129.122	\$ -	\$ -
		243,713		\$ 24,633.52			G2 - UO1 [22-30] Total [FO<6]			\$ -	\$ -	
6/22	HE 15-22	595,469	\$ 113.167	\$ 67,387.31	Buy	Power	Real Time	MISO	G2 - UO1 [22-31]	\$ 129.122	\$ -	\$ -
		595,469		\$ 67,387.31			G2 - UO1 [22-31] Total [FO<6]			\$ -	\$ -	
6/1-6/30		-	\$ -	\$ -		AECI	MISO Energy Charges - AECI	\$ 129.122	\$ -	\$ -		
		-	\$ -	\$ -			MISO Energy Charges - AECI Total			\$ -	\$ -	
6/1-6/30		11,552.701	\$ 84.692	\$ 978,426.20		PADUCAH1	MISO Energy Charges - PADUCAH1	\$ 129.122	\$ -	\$ -		
		11,552.701		\$ 978,426.20			MISO Energy Charges - PADUCAH1 Total			\$ -	\$ -	

DATE	HE	MWh	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit [b]	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit	
6/1-6/30		33,570.000	\$ 87.325	\$ 2,931,510.88		SIPC	MISO Energy Charges - SIPC	\$ 129.122	\$ -	\$ -	
		33,570.000		\$ 2,931,510.88			MISO Energy Charges - SIPC Total			\$ -	
6/1-6/30			\$ -	\$ 658.29			PJM Fees (Transmission Only)	\$ 129.122	\$ -	\$ -	
				\$ 658.29			PJM Fees (Transmission Only) Total			\$ -	
6/1-6/30		(18,828.000)	\$ 57.989	\$ [1,091,815.25]		SIPC/AECI	SIPC/AECI GFA Transactions	\$ 129.122	\$ -	\$ -	
		(18,828.000)		\$ [1,091,815.25]			SIPC/AECI GFA Transactions Total			\$ -	
6/1	HE 1-24	4,088.000	\$ 100.910	\$ 412,520.56	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/1	HE 11,14-15	157.937	\$ 233.757	\$ 36,918.94	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 104.635
6/2	HE 1-24	2,386.000	\$ 84.028	\$ 200,491.78	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/2	HE 1-24	887.958	\$ 81.580	\$ 72,439.78	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/3	HE 1-2	51.000	\$ 24.108	\$ 1,229.51	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/3	HE 6-24	2,529.000	\$ 81.257	\$ 205,499.80	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/3	HE 15	32.426	\$ 163.308	\$ 5,295.37	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 34.186
6/4	HE 1-6	573.000	\$ 44.570	\$ 25,538.53	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/4	HE 9-24	2,321.000	\$ 75.957	\$ 176,296.42	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/5	HE 1-2	36.000	\$ 16.415	\$ 590.94	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/5	HE 8-24	2,413.000	\$ 83.190	\$ 200,738.48	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/6	HE 1-12	562.000	\$ 65.577	\$ 36,854.22	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/6	HE 23	3.000	\$ (150.153)	\$ (450.46)	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/7	HE 9-12	139.000	\$ 95.495	\$ 13,273.78	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/7	HE 19	10.000	\$ 48.325	\$ 483.25	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/7	HE 21-23	141.400	\$ 85.289	\$ 12,059.90	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/8	HE 9-10	31.000	\$ 86.185	\$ 2,671.73	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/9	HE 10-13	99.000	\$ 100.407	\$ 9,940.33	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/9	HE 22-23	21.200	\$ 87.498	\$ 1,854.97	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/9	HE 16	68.790	\$ 139.229	\$ 9,577.58	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 10.107
6/10	HE 10-20	347.000	\$ 96.382	\$ 33,444.50	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/10	HE 22-24	147.000	\$ 59.213	\$ 8,704.28	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/11	HE 1-3	85.000	\$ 22.688	\$ 1,928.50	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/11	HE 11-24	1,512.000	\$ 80.283	\$ 121,387.86	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/12	HE 1-6	406.000	\$ 43.579	\$ 17,692.88	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/12	HE 10-15	541.000	\$ 88.553	\$ 47,907.34	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/12	HE 19-24	511.000	\$ 80.235	\$ 41,000.27	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/13	HE 1-6	101.000	\$ 24.522	\$ 2,476.77	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/13	HE 9-10	26.000	\$ 91.071	\$ 2,367.85	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/13	HE 23-24	211.200	\$ 83.167	\$ 17,564.89	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/13	HE 11-20	1,123.284	\$ 537.900	\$ 604,214.23	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 408.778
6/14	HE 1	16.000	\$ 38.127	\$ 610.04	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/14	HE 14	22.000	\$ 560.649	\$ 12,334.27	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ 431.526
6/14	HE 19	18.000	\$ 313.785	\$ 5,648.13	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ 184.663
6/14	HE 13	36.095	\$ 134.352	\$ 4,849.40	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 5.229
6/15	HE 1-24	3,285.100	\$ 263.554	\$ 865,801.00	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ 134.432
6/16	HE 1	21.000	\$ 94.607	\$ 1,986.74	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/16	HE 8	21.000	\$ 72.163	\$ 1,515.43	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/16	HE 14	18.000	\$ 322.733	\$ 5,809.19	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ 193.610
6/16	HE 19	14.000	\$ (138.755)	\$ (1,942.57)	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/16	HE 23-24	61.000	\$ 83.847	\$ 5,114.69	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/16	HE 13-14,16-18,21	208.534	\$ 152.298	\$ 31,759.37	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 23.176
6/17	HE 1	1.000	\$ (186.780)	\$ (186.78)	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/17	HE 5-24	2,563.000	\$ 118.659	\$ 304,122.37	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/19	HE 1-2,9-24	2,343.000	\$ 84.105	\$ 197,058.89	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/20	HE 1,6-24	9,033.000	\$ 104.081	\$ 940,162.87	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/21	HE 1-12	1,267.000	\$ 81.749	\$ 103,576.02	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/21	HE 21-24	270.000	\$ 102.227	\$ 27,601.38	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/21	HE 17-19	76.610	\$ 176.003	\$ 13,483.58	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 46.881
6/22	HE 1-2	53.000	\$ 37.663	\$ 1,996.14	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/22	HE 8-24	1,450.800	\$ 114.045	\$ 165,456.38	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/23	HE 1-24	4,005.000	\$ 90.037	\$ 360,599.97	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/24	HE 1-24	4,293.000	\$ 87.429	\$ 375,331.08	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/24	HE 12,14-17,20-21	188.982	\$ 178.926	\$ 33,813.89	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 49.804
6/25	HE 1-24	4,631.000	\$ 98.487	\$ 456,094.85	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/25	HE 16-19	136.087	\$ 146.358	\$ 19,917.41	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 17.236
6/26	HE 1-24	4,142.000	\$ 76.922	\$ 318,609.41	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/27	HE 1-24	2,300.000	\$ 73.771	\$ 169,672.73	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/27	HE 13-15	43.628	\$ 284.787	\$ 12,424.57	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 155.664
6/28	HE 1-24	1,835.000	\$ 68.522	\$ 125,738.30	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/29	HE 1-4	53.000	\$ 6.721	\$ 356.21	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/29	HE 6-24	2,514.000	\$ 95.831	\$ 240,920.19	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/29	HE 17-18	31.392	\$ 192.671	\$ 6,048.37	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 63.549
6/30	HE 1-24	3,933.000	\$ 120.416	\$ 473,596.26	Buy	Power	Day Ahead	MISO	To cover load and lack of gen	\$ 129.122	\$ -
6/30	HE 12-15,17-19,22	450.023	\$ 173.029	\$ 77,867.21	Buy	Power	Real Time	MISO	To cover load and lack of gen	\$ 129.122	\$ 43.907
		70,895.444		\$ 7,680,261.77			To cover load and lack of gen Total			\$ 984,342.72	
6/17	HE 11-24	5,520.185	\$ 103.675	\$ 572,306.50	Buy	Power	Real Time	MISO	W1 - UO1 (22-12)	\$ 129.122	\$ -
6/18	HE 1-24	4,334.000	\$ 70.757	\$ 306,660.15	Buy	Power	Day Ahead	MISO	W1 - UO1 (22-12)	\$ 129.122	\$ -
6/18	HE 1-24	5,674.000	\$ 49.241	\$ 279,390.89	Buy	Power	Real Time	MISO	W1 - UO1 (22-12)	\$ 129.122	\$ -
6/19	HE 1-24	8,901.000	\$ 64.994	\$ 643,502.98	Buy	Power	Day Ahead	MISO	W1 - UO1 (22-12)	\$ 129.122	\$ -
6/19	HE 3-8	102.074	\$ 2.836	\$ 289.53	Buy	Power	Real Time	MISO	W1 - UO1 (22-12)	\$ 129.122	\$ -
6/20	HE 1-12	4,867.000	\$ 48.526	\$ 236,178.31	Buy	Power	Day Ahead	MISO	W1 - UO1 (22-12)	\$ 129.122	\$ -
		30,398.259		\$ 2,038,328.36			W1 - UO1 (22-12) Total (FO>6)			\$ -	

DATE	HE	MWh	PRICE	TOTAL Cost	Execution	Counterparty	REASON FOR PURCHASE	Highest Cost Unit (b)	MWh Cost Over Highest Cost Unit	Total Cost Over Highest Cost Unit
		161,995.159		\$ 10,236,379.08			Grand Total			\$ 1,791,638.35

Recon to Nodal (S7):

Total MISO Purchased Power (Above):	161,995.159	\$ 10,236,379.08
Less: Purchases for Domtar Back-Up Power	11,382.083	\$ 1,019,061.49
Less: SIPC Charges	33,570.000	\$ 2,931,510.88
Less: SIPC GFA Transactions	(18,876.800)	\$ (1,091,815.29)
Less: PJM Transactions	-	\$ 658.29
Less: AECI Charges	-	\$ -
Less: Purchased Power Hedges	-	\$ (6,331,244.62)
Total MISO Purchases Above (Excl. SIPC & Domtar):	135,871.106	\$ 13,708,208.29
Total MISO Purchased Power per S7 Nodal Report:	124,318.415	\$ 12,729,782.09
Total MISO Purchased Power per S7 Nodal Report:	11,552.691	\$ 978,426.20
Difference:	-	\$ 0.00

(A) Total Purchases over Highest Cost Unit	\$ 1,791,638.35
(1) Purchases above Highest Cost Unit for Forced Outages > 6 hours	\$ 800,387.42
(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	\$ -
(5) Total Purchases above Highest Cost Unit (A)-(1) (For Form A Filing)	\$ 991,250.93

**BIG RIVERS ELECTRIC CORPORATION
FUEL BURNED**

MONTH OF 06/30/22

		TON/GAL/MCF	Cost	Gross KWH	TRUE NET KWH	Mills/KWH
Reid			\$ -	0	(43,111)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
C1			\$ -	0	0	0.000
	Coal	-	\$ -			
	Gas	-	\$ -			
	Propane	-	\$ -			
C2			\$ -	0	0	0.000
	Coal	-	\$ -			
	Gas	-	\$ -			
	Propane	-	\$ -			
C3			\$ -	0	0	0.000
	Coal	-	\$ -			
	Gas	-	\$ -			
	Propane	-	\$ -			
Coleman			\$ -	0	0	0.000
	Coal	-	\$ -			
	Gas	-	\$ -			
	Propane	-	\$ -			
Gas Turbine			\$ -	0	0	0.000
	Oil	-	\$ -			
	Gas	0.00	\$ -			
Wilson			\$ 6,435,367.29	276,779,720	256,937,100	25.046
	Coal	117,696.99	\$ 6,312,576.62			
	PetCoke	-	\$ -			
	Oil	34,997.15	\$ 122,790.67			
H1 (net of city take)			\$ -	0	(85,987)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
H2 (net of city take)			\$ -	0	(85,986)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
Station Two			\$ -	0	(171,973)	0.000
	Coal	-	\$ -			
	Oil	-	\$ -			
G1			\$ 4,758,105.80	47,891,322	42,012,795	113.254
	Coal	0.00	\$ -			
	PetCoke	-	\$ -			
	Gas	505,967.00	\$ 4,758,105.80			
G2			\$ 3,648,631.96	33,708,182	28,257,170	129.122
	Coal	0.00	\$ -			
	PetCoke	-	\$ -			
	Gas	394,844.00	\$ 3,648,631.96			
Green			\$ 8,406,737.76	81,599,504	70,269,965	119.635
	Coal	0.00	\$ -			
	PetCoke	-	\$ -			
	Gas	900,811.00	\$ 8,406,737.76			
SYSTEM TOTAL			\$ 14,842,105.05	358,379,224	326,991,982	45.390
Line Losses					13,379,083	
System Average					313,612,899	47.326
Less: Energy Used by Idled/Retired Units (Coleman, Reid & Station 2)					(215,084)	
Total (Net of Line Losses & Energy Used by Idled Units)					313,827,982	47.294

Coal	\$ 6,312,576.62
Pet Coke	\$ -
Oil	\$ 122,790.67
Gas	\$ 8,406,737.76
Propane	\$ -
	<u>\$ 14,842,105.05</u>

Reid Combustion Turbine
June 30, 2022

Date	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)
6/1/22	\$9.16	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 110.76
6/2/22	\$9.16	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 110.76
6/3/22	\$9.30	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 112.45
6/4/22	\$9.30	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 112.45
6/5/22	\$9.30	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 112.45
6/10/22	\$9.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 117.17
6/11/22	\$9.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 117.17
6/12/22	\$9.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 117.17
6/13/22	\$9.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 117.17
6/14/22	\$9.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 117.17
6/15/22	\$9.69	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 117.17
6/16/22	\$8.09	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 97.82
6/17/22	\$8.84	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 106.89
6/18/22	\$8.41	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 101.69
6/19/22	\$8.41	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 101.69
6/20/22	\$8.41	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 101.69
6/21/22	\$7.97	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 96.37
6/22/22	\$7.67	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 92.74
6/23/22	\$7.56	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 91.41
6/24/22	\$7.34	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 88.75
6/25/22	\$7.18	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 86.82
6/26/22	\$7.18	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 86.82
6/27/22	\$7.18	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 86.82
6/28/22	\$6.70	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 81.01
6/29/22	\$7.86	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 95.04
6/30/22	\$7.76	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 93.83
Average	\$8.65	65.00	785.9579	785,957,900	12091.66	12091.66	\$ 104.577

June Average	\$	104.577	\$/MwH
June Lowest Gas Price	\$	81.014	\$/MwH

The Reid Combustion Turbine (CT) was not placed in Automatic Dispatch in June 2022. The Reid CT was available for 0 hours.

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BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
 June 30, 2022

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
June 30, 2022**

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 - Home Oil and Gas Co., Inc	D	P.O. 268377	T	Wilson	99,918.00	138,000	\$ 461,455.31	0.0335	N/A
					<u>99,918.00</u>		<u>\$ 461,455.31</u>		
<u>Oil - Coal Handling</u>									
#2 Diesel - Heritage Petroleum	D	P.O.	T	RSIG Coal Hdlg	-	138,000	\$ -	0.0000	N/A
					<u>-</u>	<u>138,000</u>	<u>\$ -</u>	<u>0.0000</u>	<u>N/A</u>
<u>Natural Gas</u>									
ECO-Energy (2)	P	BRE-22-G07	P	Green	429,914.00	1,000,000	\$ 3,426,323.80	0.0080	N/A
CIMA Energy, LTD (2)	P	BRE-14-G07	P	Green	473,919.00	1,000,000	\$ 3,926,406.42	0.0083	N/A
Tenaska Marketing Ventures (2)	P	BRE-11-G06	P	Green	60,000.00	1,000,000	\$ 436,500.00	0.0073	N/A
Texas Gas Transmission (2)	P	BRE 10-G01	P	Green	-	1,000,000	\$ 617,507.54	0.0000	N/A
Fuel Qtv and Pipe Imbalance (3)					(27,629.00)	1,000,000	\$ -	0.0000	N/A
					<u>936,204.00</u>	<u>1,000,000</u>	<u>\$ 8,406,737.76</u>	<u>0.0090</u>	<u>N/A</u>

Footnotes:

- (1) BREC purchased and used 0 MMBtu for the Reid CT in June 2022.
(2) BREC purchased 963,833 MMBtu for Green Station in June 2022.
(3) Gas quantity cuts from scheduled gas and +/- pipe imbalance beg/end of month

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: June 30, 2022

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)	(43)	0	(43)
	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: June 30, 2022

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)	(86)	(86)	(172)
	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: June 30, 2022

Line No.	Item Description			Total Station
1.	Unit Performance:	<u>Unit # 1</u>	<u>Unit #2</u>	
	a. Capacity (name plate rating) (MW)	231	223	454
	b. Capacity (average load) (L2c/L3a) (MW)	122	102	224
	c. Net Demonstrated Capability (MW)	231	223	454
	d. Net Capability Factor(L1b/L1c) (%)	52.8%	45.7%	49.3%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	529,879	406,325	936,204
	b. Gross Generation (MWH)	47,891	33,708	81,600
	c. Net Generation (MWH)	42,013	28,257	70,270
	d. Heat Rate(L2a/L2c) (BTU/KWH)	12,612	14,380	13,323
3.	Operation Availability:			
	a. Hours Unit Operated	345.0	276.1	621.1
	b. Hours Available	719.3	653.5	1,372.8
	c. Hours During the Period	720.0	720.0	1,440.0
	d. Availability Factor(L3b/L3c) (%)	99.9%	90.8%	95.3%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0994	0.1082	0.1030
	b. Net Generation - FAC Basis (cents/KWH)	0.1133	0.1291	0.1196
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: June 30, 2022

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)	397	397
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	95.2%	95.2%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	276,014	276,014
	b. Gross Generation (MWH)	276,780	276,780
	c. Net Generation (MWH)	256,937	256,937
	d. Heat Rate(L2a/L2c) (BTU/KWH)	1,074	1,074
3.	Operation Availability:		
	a. Hours Unit Operated	647.1	647.1
	b. Hours Available	647.1	647.1
	c. Hours During the Period	720.0	720.0
	d. Availability Factor(L3b/L3c) (%)	89.9%	89.9%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0233	0.0000
	b. Net Generation - FAC Basis (cents/KWH)	0.0250	0.0000
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	89	89

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.