



201 Third Street
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September 01, 2021

RECEIVED

SEP 01 2021

PUBLIC SERVICE
COMMISSION

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

RE: Big Rivers Electric Corporation
Fuel Adjustment Clause (FAC)
Form B Support for Expense Month July 2021

Dear Executive Director:

Enclosed is Big Rivers' Form B in support of the FAC filing for the month ending July 31, 2021.

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: July 31, 2021

	<u>Fuel</u>		<u>Coal</u>		
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
<i>HMP&L Station Two</i>					
Beginning Inventory	\$0.00	0.00	0.0000 ¢	0.00	\$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
<i>Green</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$4,200,736.10	2,526,398.02	166.2737 ¢	112,249.88	\$37.4231
Purchases (1)	3,730,365.94	2,204,861.74	169.1882 ¢	98,580.57	\$37.8408
Sub-total	7,931,102.04	4,731,259.76	167.6319 ¢	210,830.45	\$37.6184
Less Fuel Burned	5,144,340.37	3,068,830.85	167.6319	136,750.68	\$37.6184
Station II Transfer to Green	-	-	0.0000	-	\$0.0000
Ending Inventory	\$2,786,761.67	1,662,428.91	167.6319 ¢	74,079.77	\$37.6184
<i>Wilson</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Beginning Inventory	\$7,037,300.60	3,657,966.77	192.3828 ¢	155,969.69	\$45.1197
Purchases (1)	4,484,436.10	2,310,535.10	194.0865 ¢	98,657.80	\$45.4545
Sub-total	11,521,736.70	5,968,501.87	193.0424 ¢	254,627.49	\$45.2494
Less Fuel Burned	5,387,465.69	2,790,820.46	193.0424 ¢	119,061.64	\$45.2494
Physical Inventory Adjustment			0.0000		\$0.0000
Ending Inventory	\$6,134,271.01	3,177,681.41	193.0424 ¢	135,565.85	\$45.2494
<i>Coal in Transit</i>					
	<u>Amount</u>	<u>MMBTU</u>	<u>Per Unit</u>	<u>Tons</u>	<u>Per Unit</u>
Coal In Transit (2)	498,784.49	327,811.75	152.1558 ¢	14,467.71	\$34.4757
Total Combined Inventory	\$9,419,817.17	5,167,922.07	182.2748 ¢	224,113.33	\$42.0315

Footnotes:

(1) There was 4 barge repair invoices for July 2021 (\$20,973.30 BKO-136, \$9,892.03 BKO-229, \$1,934.40 BKO-126, \$2,941.79 BKO-147). Fuel charges are allocated on tons unloaded during the current month to the stations. Green Station only received barged coal in July 2021, therefore the 5/3rd and EMS charges were applied to Green Station. The fuel cost for July 2021 was \$3.612088062 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 2021 was 14,467.71 tons for Green Station.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid CT, HMP&L Station Two

Month Ended: July 31, 2021

Fuel No. 2 Fuel OilReid Combustion Turbine

	Units (Gal.)	Amount	Amount Per Unit
Beginning Inventory	121,931.00	\$234,666.88	192.4588 ¢
Purchases	102,308.00	219,250.14	214.3040 ¢
Adjustments(1)	<u>(1,569.00)</u>	<u>(3,176.06)</u>	202.4257 ¢
Sub Total	222,670.00	450,740.96	202.4255 ¢
Transfers Out CT Tanks(2)	43,380.00	87,812.20	202.4255 ¢
Less Fuel Burned Jurisdictional	0.00	0.00	0.0000 ¢
Non Jurisdictional			0.0000 ¢
	<u>179,290.00</u>	<u>\$362,928.76</u>	202.4255 ¢

Reid/Station Two

	Units (Gal.)	Amount	Amount Per Unit
Beginning Inventory	1,581.00	\$3,376.04	213.5383 ¢
Adjustment	0.00	0.00	0.0000 ¢
Purchases	0.00	0.00	0.0000 ¢
Transfers In CT Tanks(3)	<u>0.00</u>	<u>0.00</u>	0.0000 ¢
Sub Total	1,581.00	3,376.04	213.5383 ¢
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 Burned-Jurisdictional-Reid Station (4)			0.0000 ¢
Non Jurisdictional			0.0000 ¢
Ending Inventory	<u>1,581.00</u>	<u>\$3,376.04</u>	213.5383 ¢

Footnotes:

(1) True-up of Book to Physical Measurement for July 2021.

(2) Transfer out of fuel oil from Reid Combustion Turbine to Green tank at Sebree Station July 2021.

(3) There was no transfer of fuel oil from the Reid Combustion Turbine to the Reid/Station Two 50k fuel oil tank.

(4) Reid/Station Two reflects the 50,000 gallon tank used for Reid Station, and charged to Jurisdictional.

Company: BIG RIVERS ELECTRIC CORPORATION

FUEL INVENTORY SCHEDULE

Plant: Reid, Green and Wilson

Month Ended: July 31, 2021

Fuel No. 2 Fuel Oil
Green

	Units (Gal.)	Amount	Amount Per Unit
Beginning Inventory	39,078.00	\$73,851.12	188.9839 ¢
Adjustments (1)	0.00	0.00	0.0000 ¢
Purchases	0.00	0.00	0.0000 ¢
Transfers In - CT Tanks(2)	43,380.00	87,812.20	202.4255 ¢
Sub-Total	82,458.00	161,663.32	196.0553 ¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	54,366.00	106,587.45	196.0553 ¢ 0.0000 ¢
Ending Inventory	28,092.00	\$55,075.87	196.0554 ¢

Wilson

	Units (Gal.)	Amount	Amount Per Unit
Beginning Inventory	299,421.23	\$544,876.99	181.9767 ¢
Adjustments	0.00	0.00	0.0000 ¢
Purchases	124,701.00	268,486.24	215.3040 ¢
Sub-Total	424,122.23	813,363.23	191.7757 ¢
Less Fuel Burned-Jurisdictional Non-Jurisdictional	220,990.70	423,806.39	191.7757 ¢ 0.0000 ¢
Ending Inventory	203,131.53	389,556.84	191.7757 ¢

Reid/Green - Coal Handling

	Units (Gal.)	Amount	Amount Per Unit
Beginning Inventory	11,074.09	\$21,650.96	195.5101 ¢
Adjustments	0.00	0.00	0.0000 ¢
Purchases	0.00	0.00	0.0000 ¢
Sub-Total	11,074.09	21,650.96	195.5101 ¢
Coal Handling Usage - O&M - Non-Jurisdictional (3)	4,021.00	7,861.46	195.5101 ¢ 0.0000 ¢
Ending Inventory	7,053.09	\$13,789.50	195.5101 ¢
Total Combined Inventory	419,147.62	\$824,727.01	196.7629 ¢

Footnotes:

- (1) There was not a transfer of fuel oil from Reid/HMP&L Station Two 50k fuel oil tank to Green tank at Sebree Station July 2021.
(2) Transfer in of fuel oil from Combustion Turbine tank to the Green Station fuel oil tank July 2021.
(3) Coal Handling usage of fuel oil that is not used for direct generation of electricity in July 2021.

Company: **BIG RIVERS ELECTRIC CORPORATION****FUEL INVENTORY SCHEDULE**

Plant: Reid Combustion Turbine

Month Ended: July 31, 2021

Fuel: Natural Gas

Reid Combustion Turbine

	Units (MMBtu)	Amount	Amount Per Unit	
Beginning Inventory	0.00	\$0.00	0.0000	MMBtu
Purchases (1)	6,613.00	30,237.12	4.5724	MMBtu
Purchase Adjustment (2)	0.00	0.00	0.0000	MMBtu
Sub-total	<u>6,613.00</u>	<u>30,237.12</u>	4.5724	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)	6,613.00	30,237.12	4.5724	MMBtu
Ending Inventory	<u>0.00</u>	<u>\$0.00</u>	0.0000	MMBtu

Footnotes:

(1) BREC used 6,613 MMBtu in July 2021. BREC had transportation and storage costs in the amount of \$5,489.14 from Texas Gas Transmission LLC in July 2021 and purchases in the amount of \$24,747.98 from CIMA.

Month Ended: July 31, 2021

Form B

POWER TRANSACTION SCHEDULE

Company: BIG RIVERS ELECTRIC CORPORATION

	Company	Purpose	System Average(\$)	Type of Transaction	Billing Components				Total Charges(\$)
					Kwh	Demand Capacity(\$)	Fuel Charges(\$)	Other Charges(\$)	
Purchases									
	MISO	Unscheduled Outages < 6 Hours:		Non-Displacement	822,870	\$0	\$177,581	(\$1,274)	\$13,322
	MISO	Available for system		Non-Displacement	19,520,377	\$0	\$416,253	\$279,650	\$695,902
	KY National Guard	Available for system		Non-Displacement	5,609	\$0	\$0	\$111	\$111
	SEPA	Available for system		Non-Displacement	28,081,000	\$664,665	\$0	\$0	\$664,665
SUB-TOTAL(1)		Net Energy Cost - Economy Purchases			48,429,856	\$664,665	\$433,799	\$275,536	\$1,374,000
	MISO	Scheduled Outages:		Non-Displacement	4,299,470	\$0	\$21,062	\$2,985	\$97,688
	MISO	Domestic Purchases		Back-up	5,028,530	\$0	\$107,228	\$77,119	\$184,347
Footnote 1	MISO(Indiana Hub)	Inter-system Sale Purchases		Back-to-Back	433,000	\$0	\$9,233	(\$72,339)	(\$63,106)
	MISO	Cover Load & Lack of Generation		Non-Displacement	88,510	\$0	\$2,068	\$14,412	\$16,470
SUB-TOTAL(2)		Identifiable fuel cost (Total Other Purchases)			9,857,510	\$0	\$210,292	\$25,176	\$235,378
	MISO	Purchases for Forced Outages (> 6 hrs.):		Non-Displacement	47,479,749	\$0	\$1,012,458	\$921,435	\$1,933,893
SUB-TOTAL(3)		Identifiable fuel cost (substitute for Forced Outages)			47,479,749	\$0	\$1,012,458	\$921,435	\$1,933,893
TOTAL(4)		Total Purchased Power			105,767,115	\$664,665	\$1,856,459	\$1,222,146	\$3,543,271
					105,767,115	\$664,665	\$1,856,459	\$1,222,146	\$3,543,271
Sales									
Footnote 2	Purchased Power:								
	DTE/EDF/NextEra/Morgan Stanley	Indiana Hub(BTB)	\$21.324(System Average)	MISO (BTB)	433,000	\$0	\$9,233	\$444,810	\$454,044
SUB-TOTAL(1)					433,000	\$0	\$9,233	\$444,810	\$454,044
Footnote 2	Generation:								
	MISO:	BREC	\$21.324(System Average)	Coal-Peiccoks Fired	342,567,908	\$0	\$7,304,918	\$5,052,959	\$12,357,877
Footnote 2	HMP&L	BREC	\$21.324(System Average)	Coal-Peiccoks Fired	0	\$0	\$0	\$1,674	\$1,674
SUB-TOTAL(2)					342,567,908	\$0	\$7,304,918	\$5,054,633	\$12,359,551
LOSSES ACROSS OTHER SYSTEMS(NOT BILLED) (Footnote 3)					11,944,792	\$0	\$0	\$0	\$0
TOTAL(3)					254,945,698	\$0	\$7,314,151	\$5,469,443	\$12,813,594
	Interchange In				78,834,425	\$0	\$0	\$0	\$0
	Interchange Out				(78,174,885)	\$0	\$0	\$0	\$0
	Net Interchange				659,540	\$0	\$0	\$0	\$0

Footnotes:

Footnote 1: All Back-to-Back sales and purchases flows through the MISO Indiana Hub and were netted. Therefore, there were no volume sales or purchases. The financial net BTB was \$454,043.77 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 \$21.324/mwh. There was a true-up of total energy dollars of \$4,315.68 in July 2021 from the \$55 May 2021 settlement.
 There was no impact to volume from the true-up made in July 2021 for May 2021 \$55 settlement. HMP&L was also invoiced \$1,674.96 for Auxiliary Power for July 2021.

Footnote 3: The calculated line losses for July 2021 activity was 11,944,792.

Light blue - Net Energy Cost - Economy Purchases
 Yellow - Identifiable fuel cost - other purchases
 Green - Identifiable fuel cost - Forced Outage Purchases

BIG RIVERS ELECTRIC CORPORATION
PURCHASES
July 31, 2021

Form B

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		5,028.530	\$ 36.660	\$ 184,347.10		Domtar	Back-Up Power	\$ 95.520	\$ -	\$ -		
		5,028.530	\$ -	\$ 184,347.10			Back-Up Power Total			\$ -		
7/1-7/31			\$ -	\$ -		SIPC	Cong/Loss Rebates	\$ 95.520	\$ -	\$ -		
			\$ -	\$ -			Cong/Loss Rebates Total			\$ -		
7/1-7/31			\$ -	\$ -		SIPC	DA RSG	\$ 95.520	\$ -	\$ -		
			\$ -	\$ -			DA RSG Total			\$ -		
7/1	HE 1-12	287.480	\$ 25.476	\$ 7,323.83	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/1	HE 17-24	211.529	\$ 30.835	\$ 6,522.53	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/2	HE 24	7.050	\$ 33.134	\$ 233.59	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/3	HE 2,6,8-11	31.410	\$ 21.243	\$ 667.24	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/5	HE 12-16	255.820	\$ 47.614	\$ 12,180.58	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/7	HE 13-15	6.500	\$ 45.131	\$ 293.35	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/7	HE 17-24	123.010	\$ 34.060	\$ 4,189.67	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/8	HE 1-18	475.200	\$ 23.252	\$ 11,049.29	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/9	HE 1	12.140	\$ 11.704	\$ 142.09	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/9	HE 3-5	37.600	\$ 16.642	\$ 625.75	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/9	HE 7-24	404.740	\$ 21.159	\$ 8,564.05	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/10	HE 1-3	31.310	\$ 23.232	\$ 727.39	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/10	HE 9-19	398.360	\$ 33.124	\$ 13,195.43	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/10	HE 21-22	12.930	\$ 28.784	\$ 372.18	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/11	HE 1-2	12.660	\$ 24.054	\$ 304.52	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/11	HE 8	8.580	\$ 20.360	\$ 174.69	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/11	HE 21	3.430	\$ 37.548	\$ 128.79	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/11	HE 23	5.180	\$ 29.004	\$ 150.24	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/12	HE 1	8.590	\$ 23.396	\$ 200.97	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/12	HE 5-24	501.509	\$ 32.894	\$ 16,496.58	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/13	HE 1-24	1,033.170	\$ 33.501	\$ 34,612.19	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/14	HE 1-24	606.390	\$ 36.489	\$ 22,126.78	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/16	HE 1-3	26.080	\$ 24.476	\$ 638.34	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/16	HE 5-7	28.390	\$ 25.344	\$ 719.53	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/16	HE 9-18	189.510	\$ 35.329	\$ 6,695.16	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/16	HE 23-24	54.990	\$ 26.809	\$ 1,474.20	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/17	HE 1-3	77.650	\$ 26.012	\$ 2,019.82	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/17	HE 7-24	834.610	\$ 34.981	\$ 29,195.71	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/18	HE 1-4	219.140	\$ 26.030	\$ 5,704.14	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/18	HE 7-12	96.020	\$ 24.256	\$ 2,329.06	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/18	HE 24	0.850	\$ 22.118	\$ 18.80	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/19	HE 1-12	220.170	\$ 24.386	\$ 5,369.11	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/19	HE 16-23	29.250	\$ 36.229	\$ 1,059.70	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/20	HE 1-22	370.230	\$ 34.637	\$ 12,823.54	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/20	HE 24	5.130	\$ 31.019	\$ 159.13	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/21	HE 1-14	2,074.650	\$ 28.939	\$ 60,038.64	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/21	HE 17-22	56.880	\$ 34.561	\$ 1,965.85	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/22	HE 1-24	640.610	\$ 33.184	\$ 21,258.13	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/23	HE 1-24	632.290	\$ 35.429	\$ 22,401.27	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/24	HE 1-16,18-24	476.700	\$ 42.185	\$ 20,109.59	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -
7/25	HE 1-24	825.540	\$ 33.733	\$ 27,847.98	Buy	Power	Real Time	MISO	Economic	\$ 95.520	\$ -	\$ -

(3)

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
7/26	HE 1-24	1,317.884	\$ 42.704	\$ 56,279.12	Buy	Power Real Time MISO	Economic	\$ 95.520	\$ -	\$ -
7/27	HE 1-24	5,786.680	\$ 42.318	\$ 244,883.23	Buy	Power Real Time MISO	Economic	\$ 95.520	\$ -	\$ -
7/29	HE 1	7.050	\$ 28.104	\$ 198.13	Buy	Power Real Time MISO	Economic	\$ 95.520	\$ -	\$ -
7/29	HE 3-5-7	21.380	\$ 26.154	\$ 559.17	Buy	Power Real Time MISO	Economic	\$ 95.520	\$ -	\$ -
7/29	HE 17	5.580	\$ 47.108	\$ 262.86	Buy	Power Real Time MISO	Economic	\$ 95.520	\$ -	\$ -
7/29	HE 21-24	88.290	\$ 33.769	\$ 2,981.48	Buy	Power Real Time MISO	Economic	\$ 95.520	\$ -	\$ -
7/30	HE 1-9	418.340	\$ 29.572	\$ 12,371.12	Buy	Power Real Time MISO	Economic	\$ 95.520	\$ -	\$ -
7/31	HE 2-24	541.896	\$ 30.002	\$ 16,257.92	Buy	Power Real Time MISO	Economic	\$ 95.520	\$ -	\$ -
		19,520.378		\$ 695,902.46			Economic Total			\$ -
7/4	HE 4-24	938.330	\$ 30.538	\$ 28,654.95	Buy	Power Real Time MISO	G1 - UO1 (21-09)	\$ 95.520	\$ -	\$ -
7/5	HE 12-13	86.000	\$ 61.923	\$ 5,325.41	Buy	Power Day Ahead MISO	G1 - UO1 (21-09)	\$ 95.520	\$ -	\$ -
7/5	HE 20-22	87.000	\$ 66.022	\$ 5,743.92	Buy	Power Day Ahead MISO	G1 - UO1 (21-09)	\$ 95.520	\$ -	\$ -
7/5	HE 3-24	2,541.990	\$ 41.555	\$ 105,633.58	Buy	Power Real Time MISO	G1 - UO1 (21-09)	\$ 95.520	\$ -	\$ -
7/5	HE 22	3.510	\$ 284.684	\$ 999.24	Buy	Power Real Time MISO	G1 - UO1 (21-09)	\$ 95.520	\$ 189.164	\$ 563.97
7/6	HE 11	44.000	\$ 63.560	\$ 2,796.63	Buy	Power Day Ahead MISO	G1 - UO1 (21-09)	\$ 95.520	\$ -	\$ -
7/6	HE 14-19	126.000	\$ 163.363	\$ 20,583.73	Buy	Power Day Ahead MISO	G1 - UO1 (21-09)	\$ 95.520	\$ 67.843	\$ 8,548.22
7/6	HE 21-23	129.000	\$ 54.474	\$ 7,027.20	Buy	Power Day Ahead MISO	G1 - UO1 (21-09)	\$ 95.520	\$ -	\$ -
7/6	HE 1-2	12.280	\$ 28.368	\$ 348.36	Buy	Power Real Time MISO	G1 - UO1 (21-09)	\$ 95.520	\$ -	\$ -
		3,968.110		\$ 177,113.03			G1 - UO1 (21-09) Total (FO>6)			\$ 9,212.18
7/1	HE 22-24	444.861	\$ 26.674	\$ 11,866.03	Buy	Power Real Time MISO	G2 - UO1 (21-06)	\$ 95.520	\$ -	\$ -
7/2	HE 18	6.000	\$ 86.258	\$ 517.55	Buy	Power Day Ahead MISO	G2 - UO1 (21-06)	\$ 95.520	\$ -	\$ -
7/2	HE 1-10	283.230	\$ 21.836	\$ 6,184.66	Buy	Power Real Time MISO	G2 - UO1 (21-06)	\$ 95.520	\$ -	\$ -
7/2	HE 16,18-24	1,173.790	\$ 26.864	\$ 31,532.51	Buy	Power Real Time MISO	G2 - UO1 (21-06)	\$ 95.520	\$ -	\$ -
7/2	HE 17	15.030	\$ 96.198	\$ 1,445.86	Buy	Power Real Time MISO	G2 - UO1 (21-06)	\$ 95.520	\$ 0.678	\$ 10.20
7/3	HE 1-5	916.770	\$ 21.957	\$ 20,129.73	Buy	Power Real Time MISO	G2 - UO1 (21-06)	\$ 95.520	\$ -	\$ -
		2,839.681		\$ 71,676.34			G2 - UO1 (21-06) Total (FO>6)			\$ 10.20
7/26	HE 3-24	4,703.034	\$ 42.539	\$ 200,063.59	Buy	Power Real Time MISO	G2 - UO1 (21-07)	\$ 95.520	\$ -	\$ -
7/27	HE 13-20	302.000	\$ 88.615	\$ 26,761.78	Buy	Power Day Ahead MISO	G2 - UO1 (21-07)	\$ 95.520	\$ -	\$ -
7/27	HE 23	13.000	\$ 46.113	\$ 599.47	Buy	Power Day Ahead MISO	G2 - UO1 (21-07)	\$ 95.520	\$ -	\$ -
7/27	HE 1-24	4,381.000	\$ 38.198	\$ 167,347.49	Buy	Power Real Time MISO	G2 - UO1 (21-07)	\$ 95.520	\$ -	\$ -
		9,399.034		\$ 394,772.34			G2 - UO1 (21-07) Total (FO>6)			\$ -
7/3	HE 16	7.000	\$ 73.874	\$ 517.12	Buy	Power Day Ahead MISO	G2 - UO4 (21-06)	\$ 95.520	\$ -	\$ -
7/3	HE 6-24	1,809.060	\$ 22.291	\$ 40,325.74	Buy	Power Real Time MISO	G2 - UO4 (21-06)	\$ 95.520	\$ -	\$ -
7/4	HE 14	11.000	\$ 65.167	\$ 716.84	Buy	Power Day Ahead MISO	G2 - UO4 (21-06)	\$ 95.520	\$ -	\$ -
7/4	HE 20	21.000	\$ 56.451	\$ 1,185.47	Buy	Power Day Ahead MISO	G2 - UO4 (21-06)	\$ 95.520	\$ -	\$ -
7/4	HE 1	27.350	\$ 21.545	\$ 589.25	Buy	Power Real Time MISO	G2 - UO4 (21-06)	\$ 95.520	\$ -	\$ -
7/4	HE 3-14	2,424.060	\$ 22.414	\$ 54,332.01	Buy	Power Real Time MISO	G2 - UO4 (21-06)	\$ 95.520	\$ -	\$ -
		4,299.470		\$ 97,666.43			G2 - UO4 (21-06) Total (MO)			\$ -
7/1-7/31		54,450.000	\$ 36.103	\$ 1,965,789.00		SIPC	MISO Energy Charges - SIPC	\$ 95.520	\$ -	\$ -
		54,450.000		\$ 1,965,789.00			MISO Energy Charges - SIPC Total			\$ -
7/1-7/31		-	\$ -	\$ 434.95			PJM Fees	\$ 95.520	\$ -	\$ -
		-	\$ -	\$ 434.95			PJM Fees Total			\$ -
7/1-7/31		(54,017.000)	\$ 37.560	\$ (2,028,894.99)		SIPC/AECI	SIPC/AECI GFA Transactions	\$ 95.520	\$ -	\$ -
		(54,017.000)		\$ (2,028,894.99)			SIPC/AECI GFA Transactions Total			\$ -
7/16	HE 10	18.310	\$ 131.027	\$ 2,399.11	Buy	Power Real Time MISO	To cover load and lack of gen	\$ 95.520	\$ 35.507	\$ 650.14
7/20	HE 17	17.580	\$ 110.278	\$ 1,938.69	Buy	Power Real Time MISO	To cover load and lack of gen	\$ 95.520	\$ 14.758	\$ 259.45
7/24	HE 17	30.040	\$ 256.340	\$ 7,700.45	Buy	Power Real Time MISO	To cover load and lack of gen	\$ 95.520	\$ 160.820	\$ 4,831.03
7/25	HE 17	19.900	\$ 115.635	\$ 2,301.14	Buy	Power Real Time MISO	To cover load and lack of gen	\$ 95.520	\$ 20.115	\$ 400.29
7/29	HE 6	10.680	\$ 158.775	\$ 1,695.72	Buy	Power Real Time MISO	To cover load and lack of gen	\$ 95.520	\$ 63.255	\$ 875.57
		96.510		\$ 16,035.11			To cover load and lack of gen Total			\$ 6,816.48
7/4	HE 5-6	7.490	\$ 16.598	\$ 124.32	Buy	Power Real Time MISO	W1 - UO1 (21-10)	\$ 95.520	\$ -	\$ -
7/4	HE 4-9	815.380	\$ 16.186	\$ 13,197.86	Buy	Power Real Time MISO	W1 - UO1 (21-10)	\$ 95.520	\$ -	\$ -
		822.870		\$ 13,322.18			W1 - UO1 (21-10) Total (FO<6)			\$ -
7/12	HE 19-24	2,015.022	\$ 32.708	\$ 65,906.33	Buy	Power Real Time MISO	W1 - UO1 (21-11)	\$ 95.520	\$ -	\$ -
7/13	HE 1-24	9,991.510	\$ 32.245	\$ 322,178.80	Buy	Power Real Time MISO	W1 - UO1 (21-11)	\$ 95.520	\$ -	\$ -

BIG RIVERS ELECTRIC CORPORATION
PURCHASES
July 31, 2021

Form B

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		
7/14	HE 1-2	75,000	\$ 25.517	\$ 1,913.74	Buy	Power	Day Ahead	MISO	W1 - UO1 (21-11)	\$ 95.520	\$ -	\$ -
7/14	HE 6-24	2,269,000	\$ 46.783	\$ 106,151.07	Buy	Power	Day Ahead	MISO	W1 - UO1 (21-11)	\$ 95.520	\$ -	\$ -
7/14	HE 1-24	1,358,380	\$ 34.370	\$ 46,687.08	Buy	Power	Real Time	MISO	W1 - UO1 (21-11)	\$ 95.520	\$ -	\$ -
7/15	HE 1-24	3,207,000	\$ 43.534	\$ 139,612.65	Buy	Power	Day Ahead	MISO	W1 - UO1 (21-11)	\$ 95.520	\$ -	\$ -
7/15	HE 1	34,210	\$ 25.325	\$ 866.36	Buy	Power	Real Time	MISO	W1 - UO1 (21-11)	\$ 95.520	\$ -	\$ -
		18,950.122		\$ 683,316.03					W1 - UO1 (21-11) Total (FO>6)		\$ -	\$ -
7/26	HE 18-24	2,841,802	\$ 40.944	\$ 116,355.28	Buy	Power	Real Time	MISO	W1 - UO1 (21-12)	\$ 95.520	\$ -	\$ -
7/27	HE 1-23	306,000	\$ 63.531	\$ 19,440.55	Buy	Power	Real Time	MISO	W1 - UO1 (21-12)	\$ 95.520	\$ -	\$ -
7/28	HE 1-24	9,175,000	\$ 51.359	\$ 471,219.15	Buy	Power	Day Ahead	MISO	W1 - UO1 (21-12)	\$ 95.520	\$ -	\$ -
		12,322.802		\$ 607,014.98					W1 - UO1 (21-12) Total (FO>6)		\$ -	\$ -
		77,680.506		\$ 2,878,494.95					Grand Total			\$ 16,038.86
	Plus: SEPA	28,081,000	\$	664,665.06								
	Plus: KY National Guard	5,609	\$	110.50								
	Total Purchased Power	105,767.115		\$ 3,543,270.51								

Recon to Nodal (S7):

Total MISO Purchased Power (Above):	77,680.506	\$ 2,878,494.95
Less: Purchases for Domtar Back-Up Power	5,028.530	\$ 184,347.10
Less: SIPC Charges	54,450.000	\$ 1,965,789.00
Less: SIPC GFA Transactions	(54,017.000)	\$ (2,028,894.99)
Less: AECI Transactions		\$ 434.95
Total MISO Purchases Above (Excl. SIPC & Domtar):	72,218.976	\$ 2,756,818.89
Total MISO Purchased Power per S7 Nodal Report:	72,218.976	\$ 2,756,818.89
<i>Difference:</i>	-	\$ -

(A) Total Purchases over Highest Cost Unit	\$ 16,038.86
(1) Purchases above Highest Cost Unit for Forced Outages > 6 hours	\$ 9,222.38
(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	\$ 6,816.48
(5) Total Purchases above Highest Cost Unit (A)-(1) (For Form A Filing)	\$ -

**BIG RIVERS ELECTRIC CORPORATION
FUEL BURNED**

MONTH OF 07/31/21

	TON/GAL/MCF	Cost	Gross KWH	TRUE NET KWH	Mills/KWH
Reid		\$ -	0	(1,063,029)	0.000
Coal	-	\$ -			
Oil	-	\$ -			
C1		\$ -	0	(51,682)	0.000
Coal	-	\$ -			
Gas	-	\$ -			
Propane	-	\$ -			
C2		\$ -	0	(51,682)	0.000
Coal	-	\$ -			
Gas	-	\$ -			
Propane	-	\$ -			
C3		\$ -	0	(51,681)	0.000
Coal	-	\$ -			
Gas	-	\$ -			
Propane	-	\$ -			
Coleman		\$ -	0	(155,045)	0.000
Coal	-	\$ -			
Gas	-	\$ -			
Propane	-	\$ -			
Gas Turbine		\$ 30,237.12	431,229	316,553	95.520
Oil	-	\$ -			
Gas	6,673.00	\$ 30,237.12			
Wilson		\$ 5,811,272.08	277,140,150	256,447,550	22.661
Coal	119,061.64	\$ 5,387,465.69			
PetCoke	-	\$ -			
Oil	220,990.70	\$ 423,806.39			
H1 (net of city take)		\$ -	0	(96,150)	0.000
Coal	-	\$ -			
Oil	-	\$ -			
H2 (net of city take)		\$ -	0	(96,150)	0.000
Coal	-	\$ -			
Oil	-	\$ -			
Station Two		\$ -	0	(192,300)	0.000
Coal	-	\$ -			
Oil	-	\$ -			
G1		\$ 2,835,466.86	167,180,398	151,688,015	18.693
Coal	74,608.63	\$ 2,806,656.53			
PetCoke	-	\$ -			
Oil	14,695.00	\$ 28,810.33			
G2		\$ 2,415,460.96	136,929,610	123,677,036	19.530
Coal	62,142.05	\$ 2,337,683.84			
PetCoke	-	\$ -			
Oil	39,671.00	\$ 77,777.12			
Green		\$ 5,250,927.82	304,110,008	275,365,051	19.069
Coal	136,750.68	\$ 5,144,340.37			
PetCoke	-	\$ -			
Oil	54,366.00	\$ 106,587.45			
SYSTEM TOTAL		\$ 11,092,437.02	581,681,387	530,718,780	20.901
				Line Losses	
				11,944,792	
				System Average	
				518,773,988	21.382
				Less: Energy Used by Idled/Retired Units (Coleman, Reid & Station 2)	
				(1,410,374)	
				Total (Net of Line Losses & Energy Used by Idled Units)	21.324
				520,184,362	

Coal	\$ 10,531,806.06
Pet Coke	\$ -
Oil	\$ 530,393.84
Gas	\$ 30,237.12
Propane	\$ -
	<u>\$ 11,092,437.02</u>

**Reid Combustion Turbine
July 31, 2021**

Date	Service Hours	Net MWh	MCF	Gas Cost	Natural Gas Cost	Texas Gas Transportation	Total Cost	\$MWh
7/6/2021	7.350		2864					
7/28/2021	4.730		3809					
	12.080	316.552	6,673	\$ 4.53	\$ 24,747.98	\$ 5,489.14	\$ 30,237.12	\$ 95.52

The Reid Combustion Turbine (CT) was placed in Automatic Dispatch System on July 6th and 28th, 2021. MISO called upon the Reid CT 12.080 hours. The Reid CT was available 740 hours.

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF COAL PURCHASED FOR FUEL CLAUSE BACKUP
July 31, 2021**

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		Transportation Cost		Delivered Cost		% SO2 (n)	% Ash (o)	% H2O (p)
									\$ Per Ton (h)	¢ Per MMBTU (i)	\$ Per Ton (j)	¢ Per MMBTU (k)	\$ Per Ton (l)	¢ Per MMBTU (m)			
STATION NAME - Green																	
LONG TERM CONTRACT																	
Alliance	P	19-003A	T	S	WKY	44,370.95	11,636	1,032,602.65	40.5772	174.3603	3.6121	15.5211	44.1893	189.8814	2.83	8.54	11.47
Foresight Coal	P	21-001	B	U	IL	54,209.62	10,812	1,172,259.09	29.0324	134.2566	3.6121	16.7036	32.6445	150.9603	3.23	8.09	16.02
Total Contract						98,580.57	11,183	2,204,861.74	34.2287	153.0384	3.6121	16.1498	37.8408	169.1882	3.05	8.29	13.97
SPOT CONTRACT																	
Total Spot						0.00	0	-	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
TOTAL GREEN STATION						98,580.57	11,183	2,204,861.74	34.2287	153.0384	3.6121	16.1498	37.8408	169.1882	3.05	8.29	13.97
STATION NAME - Wilson																	
LONG TERM CONTRACT																	
American Consolidated Natural Resources	P	19-002A	T	U	WKY	10,448.12	11,885	248,352.60	45.3368	190.7297	1.2500	5.2587	46.5866	195.9884	2.78	9.14	10.16
American Consolidated Natural Resources	P	19-002A	T	U	WKY	41,692.96	11,819	985,501.06	44.2717	187.2974	1.2500	5.2883	45.5217	192.5857	2.76	9.44	10.11
American Consolidated Natural Resources	P	20-001A	T	U	WKY	24,042.08	11,875	570,985.28	44.8900	189.0152	1.4500	6.1054	46.3400	195.1206	2.78	9.29	10.00
Knight Hawk	P	21-003	B	U	IL	22,474.64	11,250	505,696.16	33.3989	148.4346	10.4572	46.4748	43.8561	194.9094	3.07	8.41	12.64
Total Contract						98,657.80	11,710	2,310,535.10	42.0583	179.5851	3.3962	14.5013	45.4545	194.0865	2.84	9.14	10.66
SPOT CONTRACT																	
Total Spot						0.00	-	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
TOTAL WILSON STATION						98,657.80	11,710	2,310,535.10	42.0583	179.5851	3.3962	14.5013	45.4545	194.0865	2.84	9.14	10.66
TOTAL BIG RIVERS SYSTEM						197,238.37	11,447	4,515,396.84	38.1450	166.6224	3.5041	15.3063	41.6491	181.9287	2.94	8.72	12.31

**BIG RIVERS ELECTRIC CORPORATION
ANALYSIS OF PET COKE PURCHASED FOR FUEL CLAUSE BACKUP
July 31, 2021**

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																
					0.00	-	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	N/A	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
TOTAL GREEN STATION																
					0.00	-	0.00	N/A	N/A	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
STATION NAME - Wilson																
LONG TERM CONTRACT																
					0.00	-	0.00	N/A	N/A	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.00
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	N/A	N/A	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, 2021**

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. 264688	T	Reid CT	102,308.00	138,000	\$ 219,250.14	0.0155	N/A
#2 Diesel - Heritage Petroleum, LLC	D	P.O. 264689	T	Wilson	124,701.00	138,000	\$ 268,486.24	0.0156	N/A
					<u>227,009.00</u>		<u>\$ 487,736.38</u>		
<u>Oil - Coal Handling</u>									
					<u>-</u>	138,000	<u>\$ -</u>	0.0000	N/A
<u>Natural Gas</u>									
Texas Gas Transmission (1)	P	BRE 10-G01	P	Reid CT	6,613.00	1,000,000	\$ 5,489.14	0.0008	N/A
CIMA Energy, LTD(1)	P	BRE 14 G07	P	Reid CT	-	1,000,000	\$ 24,747.98	0.0000	N/A
					<u>6,613.00</u>	1,000,000	<u>\$ 30,237.12</u>	0.0046	N/A

Footnotes:

(1) BREC used 6,613 MMBtu in July 2021. BREC had transportation and storage costs in the amount of \$5,489.14 from Texas Gas Transmission LLC in July 2021 and purchases in the amount of \$24,747.98 from CIMA.

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, 2021

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	26	0
	c. Net Demonstrated Capability (MW)	65	65	130
	d. Net Capability Factor(L1b/L1c) (%)	0.0%	40.2%	0.0%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	0	6,673	6,673
	b. Gross Generation (MWH)	0	431	431
	c. Net Generation (MWH)	(1,063)	317	(746)
	d. Heat Rate(L2a/L2c) (BTU/KWH)	0	21,080	(8,939)
3.	Operation Availability:			
	a. Hours Unit Operated	0.0	12.1	12.1
	b. Hours Available	0.0	740.0	740.0
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	0.0%	99.5%	49.7%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0000	0.0701	0.0701
	b. Net Generation FAC Basis (cents/KWH)	0.0000	0.0955	(0.0405)
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station	0	2	2

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, 2021

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)	(96)	(96)	(192)
	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, 2021

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)	218	201	419
	c. Net Demonstrated Capability (MW)	231	223	454
	d. Net Capability Factor(L1b/L1c) (%)	94.4%	90.1%	92.3%
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	1,655,291	1,373,770	3,029,061
	b. Gross Generation (MWH)	167,180	136,930	304,110
	c. Net Generation (MWH)	151,688	123,677	275,365
	d. Heat Rate(L2a/L2c) (BTU/KWH)	10,912	11,108	11,000
3.	Operation Availability:			
	a. Hours Unit Operated	695.3	615.6	1,310.9
	b. Hours Available	695.3	638.2	1,333.5
	c. Hours During the Period	744.0	744.0	1,488.0
	d. Availability Factor(L3b/L3c) (%)	93.5%	85.8%	89.6%
4.	Cost Per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	0.0170	0.0176	0.0173
	b. Net Generation - FAC Basis (cents/KWH)	0.0187	0.0195	0.0191
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)	See Total Station	See Total Station	12

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.

Company Name: Big Rivers Electric Corporation

Station Name - Unit Number: Wilson

For the Month of: July 31, 2021

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)	389	389
	c. Net Demonstrated Capability (MW)	417	417
	d. Net Capability Factor(L1b/L1c) (%)	93.4%	93.4%
2.	Heat Rate:		
	a. BTU Consumed (MMBTU)	2,790,820	2,790,820
	b. Gross Generation (MWH)	277,140	277,140
	c. Net Generation (MWH)	256,448	256,448
	d. Heat Rate(L2a/L2c) (BTU/KWH)	10,883	10,883
3.	Operation Availability:		
	a. Hours Unit Operated	658.5	658.5
	b. Hours Available	658.5	658.5
	c. Hours During the Period	744.0	744.0
	d. Availability Factor(L3b/L3c) (%)	88.5%	88.5%
4.	Cost Per KWH:		
	a. Gross Generation - FAC Basis (cents/KWH)	0.0210	0.0210
	b. Net Generation - FAC Basis (cents/KWH)	0.0227	0.0227
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station (1)	30	30

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.