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June 14, 2024

Linda C. Bridwell  
Executive Director  
Kentucky Public Service Commission  
211 Sower Blvd.  
Frankfort, Kentucky 40602-0615

RE: THE STANDARD FUEL ADJUSTMENT CLAUSE BACKUP FILING

Dear Ms. Bridwell:

In compliance with the Commission's Order dated November 25, 1981 in Case No. 8058-A, Kentucky Power is forwarding herewith for the month of April, 2024 the required backup information for the fuel adjustment clause applied to customers' bills in the month of June, 2024:

1. Fuel Inventory Schedule – Coal
2. Fuel Inventory Schedule – Gas
3. Fuel Inventory Schedule – Oil
4. Fuel Purchase Schedule – Coal
5. Fuel Purchase Schedule – Gas
6. Fuel Purchase Schedule – Oil
7. Power Transaction Schedule
8. Unit Performance Data
9. Fuel-Related PJM Billing Line Items

Pursuant to the Commission's Order dated October 3, 2002 in Case No. 2000-495-B, and as modified by the Commission's January 18, 2018 Order in Case No. 2017-00179, the Company began using the peaking unit equivalent approach to calculate the level of non-economy purchased power costs to flow through the fuel adjustment clause in the actual fuel costs. These fuel costs are documented on the attached Power Transaction Schedule.

In accordance with the Commission's letter dated June 13, 2014, fuel contracts will be filed electronically.

Should you have any questions, please contact me at (606) 327-2603.

Sincerely,

Brian K. West  
Vice President, Regulatory & Finance

Attachment

**KENTUCKY POWER COMPANY  
ANALYSIS OF COAL PURCHASES**

April 2024

<u>Station and Supplier</u> (a)	<u>P</u> (b)	<u>P</u> (c)	<u>P</u> (c1)	<u>M</u> (d)	<u>ST</u> (e)	<u>Tons</u> <u>Purchased</u> (f)	<u>BTU</u> <u>Per LB.</u> (g)	<u>No.</u> <u>MMBTU</u> <u>Per Ton</u> (h)	<u>FOB Mine</u> <u>Price</u> <u>Cents Per</u> <u>Per Ton</u> <u>MMBTU</u> (i)            (j)		<u>Trans Cost</u> <u>Per</u> <u>Cents Per</u> <u>Ton</u> <u>MMBTU</u> (k)        (l)		<u>Delivered Cost</u> <u>Per</u> <u>Cents Per</u> %    %    % <u>Ton</u> <u>MMBTU</u> <u>Sulfur</u> <u>Ash</u> <u>H2O</u> (m)    (n)    (o)    (p)    (q)					
	<b>TOTAL KENTUCKY POWER</b>																	
ACNR Coal Sales, Inc.	P	07-77-05-900	A	C	WV	35,335.00	12,897	25.79	42.76	165.78	0.00	0.00	42.76	165.78	2.01	7.24	7.24	
Alpha Thermal CS Company	P	03-00-21-9M3	A	B	WV	7,814.40	12,451	24.90	78.12	313.73	7.73	31.03	85.85	344.76	0.89	10.49	7.07	
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	3,339.20	12,187	24.37	154.25	632.96	7.70	31.58	161.95	664.54	0.77	11.17	7.67	
Alliance	P	03-00-22-9M3	A	B	WV	9,531.00	12,593	25.19	90.24	358.25	0.55	2.18	90.79	360.43	2.70	8.56	6.97	
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	7,468.24	12,702	25.40	160.33	631.24	7.67	30.18	168.00	661.42	0.82	7.50	7.99	
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	8,261.95	12,134	24.27	74.22	305.83	7.70	31.71	81.92	337.54	0.84	11.87	7.28	
BAMM, Inc.	P	03-00-21-003	A	B	KY	1,524.10	12,475	24.95	80.33	321.98	8.15	32.68	88.49	354.67	0.99	7.65	8.00	
<b>TOTAL SYSTEM WEIGHTED AVERAGE</b>						<b>73,273.89</b>	<b>12,663</b>	<b>25.32</b>	<b>74.10</b>	<b>294.36</b>	<b>3.07</b>	<b>12.36</b>	<b>77.16</b>	<b>306.73</b>	<b>1.65</b>	<b>8.49</b>	<b>7.30</b>	

(b) PDBU = Producer, Broker, Distributor or Utility

(c) POCN = Purchase Order or Contract Number

(c1) PT = Product Type

By contract, Product Types designate different commodity sources (mines)

(d) MT = Mode of Transportation

Designated by Symbol

R = Rail

B = Barge

T = Truck

C = Conveyor Belt

P = Pipeline

(e) ST = State of origin

**KENTUCKY POWER COMPANY  
ANALYSIS OF COAL PURCHASES**  
April 2024

Station and Supplier (a)	P B D U	P O C N	P I	M I	ST	Tons Purchased	BTU Per LB.	No. MMBTU Per Ton	FOB Mine Price Per Ton	Cents Per MMBTU	Trans Cost (A) (B) Per Ton	Cents Per MMBTU	Delivered Cost Per Ton	Cents Per MMBTU	% Sulfur	% Ash	% H2O
	(b)	(c)	(c1)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
<b>MITCHELL PLANT</b>																	
<b>Long Term Contracts:</b>											(A) (B)						
ACNR Coal Sales, Inc.	P	07-77-05-900	A	C	WV	70,670.00	12,897	25.79	42.76	165.78	0.00	42.76	165.78	2.01	7.24	7.24	
Alpha Thermal CS Company	P	03-00-21-9M3	A	B	WV	15,628.80	12,451	24.90	78.12	313.73	7.73	31.03	85.85	344.76	0.89	10.49	7.07
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	6,678.40	12,187	24.37	154.25	632.96	7.70	31.58	161.95	664.54	0.77	11.17	7.67
Alliance	P	03-00-22-9M3	A	B	WV	19,062.00	12,593	25.19	90.24	358.25	0.55	2.18	90.79	360.43	2.70	8.56	6.97
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	14,936.47	12,702	25.40	160.33	631.24	7.67	30.18	168.00	661.42	0.82	7.50	7.99
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	16,523.90	12,134	24.27	74.22	305.83	7.70	31.71	81.92	337.54	0.84	11.87	7.28
BAMM, Inc.	P	03-00-21-003	A	B	KY	3,048.20	12,475	24.95	80.33	321.98	8.15	32.68	88.49	354.67	0.99	7.65	8.00
<b>Station Weighted Average</b>						146,547.77	12,663	25.32	74.10	294.36	3.07	12.36	77.16	306.73	1.65	8.49	7.30
<b>Spot Market:</b>											(A) (B)						
<b>Station Weighted Average</b>						-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL STATION WEIGHTED AVERAGE</b>						146,547.77	12,663	25.32	74.10	294.36	3.07	12.36	77.16	306.73	1.65	8.49	7.30

**Notes**

(A) There were demurrage charges of \$7,400 (\$3,700 KYPCo share) so the transportation costs reported for April 2024 are higher compared to historical and contractual amounts.  
 (B) Total Station Weighted Average Transportation Costs includes the ACNR Coal Sales, Inc. ("ACNR", formerly Consolidation Coal Company) contract which has no associated transportation costs. ACNR assumed the former Consolidation Coal Company's contract as part of the sale of Murray Energy's assets.  
 (C) Contura Energy, Inc. changed its name to Alpha Metallurgical Resources, Inc. In connection with this initiative all Contura Coal Sales, LLC thermal coal sales contracts are now using the Alpha Thermal Coal Sales Company name.

**ANALYSIS OF OIL PURCHASES**

Supplier	P B D U	P O C N	M I T	Station Name	Gal or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU
Marathon Petroleum LP	P	03-FO-22-001	T	Mitchell	180,506.00	138,500.00	2.89	2,086.46

**MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES**

Kentucky Power Share of Oil Receipts	90,253.00			
Mitchell Total Oil Receipts	180,506.00			
Mitchell - Kentucky Power Oil Receipts Ratio	50.00%			
Marathon Petroleum LP	P	03-FO-22-001	T	90,253.00

(b) PDBU = Producer, Broker, Distributor or Utility	(d) MT = Mode of Transportation Designated by Symbol
(c) POCN = Purchase Order or Contract Number	R = Rail
(c1) PT = Product Type By contract, Product Types designate different commodity sources (mines)	B = Barge
	T = Truck
	C = Conveyor Belt
	P = Pipeline
	(e) ST = State of origin

**KENTUCKY POWER COMPANY  
ANALYSIS OF GAS PURCHASES  
April 2024**

<u>Supplier</u> (a)	<u>P O C N</u> (b)	<u>M T</u> (c)	<u>Station Name</u> (d)	<u>Gross MMBTU Purchased</u> (e)	<u>Net MMBTU Purchased</u> (f)	<u>Delivered Cost \$</u> (g)	<u>Gross \$ Per MMBTU</u> (h)	<u>Net \$ Per MMBTU</u> (i)	<u>% SO2</u> (j)
J ARON	-	P	Big Sandy	960,000	939,540	2,489,280.00	2.59	2.65	-
MACQUARIE	-	P	Big Sandy	280,000	274,033	414,862.50	1.48	1.51	-
Columbia Gas	173522 & 177527	P	Big Sandy			30,861.40	0.00		-
Columbia Gas - Reservation Fee	173522	P	Big Sandy			501,989.04	0.00		-
				<u>1,240,000</u>	<u>1,213,573</u>	<u>3,436,992.94</u>			

(b) POCN = Purchase Order or Contract Number

(c) MT = Mode of Transportation  
Designated by Symbol  
R =Rail  
B =Barge  
T =Truck  
C =Conveyor Belt  
P =Pipeline

(j) % of sulfur in natural gas is not applicable

**KENTUCKY POWER COMPANY  
MITCHELL PLANT - KPCO SHARE  
April-2024**

**COAL INVENTORY SCHEDULE**

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		646,518.85	\$65,963,844.99	\$102.0293
Purchases		73,273.88	\$5,654,066.69	\$77.1635
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		719,792.73	\$71,617,911.68	\$99.4980
Less Coal Burned		31,791.50	\$2,942,490.98	\$92.5559
Ending Inventory		688,001.23	\$68,675,420.70	\$99.8187

1 No Coal Pile Survey Adjustment this reporting period.

**KENTUCKY POWER COMPANY  
BIG SANDY PLANT  
April 2024**

**GAS INVENTORY SCHEDULE**

	<u>MMBTU</u>	<u>Amount</u>	<u>\$/MMBTU</u>
Beginning Inventory <sup>(1)</sup>	(31,899.00)	\$ (40,511.73)	\$1.2700
Purchases	1,213,573.00	\$ 3,436,992.94	\$2.8321
Gas Sales	-320,000.00	\$ (408,640.00)	\$1.2770
Adjustments(Imbalance point usage)	0.00	\$ -	\$0.0000
Sub-Total	861,674.00	\$ 2,987,841.21	\$3.4675
Less Disposed			
Generation	919,617.00	\$ 3,071,456.95	\$3.3399
Loss or (Gain) on Sale	0.00	\$ (177.83)	\$0.0000
Other(Tax expense)	0.00	\$ -	\$0.0000
Ending Inventory <sup>(1)</sup>	(57,943.00)	\$ (83,437.91)	\$1.4400

<sup>(1)</sup> Due to purchases of natural gas being day ahead, consumption may differ from purchased natural gas leading to an imbalance at the beginning or end of every month.

**KENTUCKY POWER COMPANY  
MITCHELL PLANT - KPCO SHARE  
April-2024**

**OIL INVENTORY SCHEDULE**

	<u>Gallons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	350,969.14	\$1,006,756.92	\$2.8685
Purchases	90,253.00	\$260,808.64	\$2.8898
Adjustments	0.00	\$0.00	\$0.0000
Sub-Total	441,222.14	\$1,267,565.56	\$2.8729
Less Disposed			
Generation	18,340.00	\$52,688.09	\$2.8729
Chemical Cleaning/Other	0.00	\$0.00	\$0.0000
Ending Inventory	422,882.14	\$1,214,877.47	\$2.8729

**KENTUCKY POWER COMPANY  
POWER TRANSACTION SCHEDULE  
April 2024**

**TRANSACTION TYPES \***

SPOT MARKET ENERGY - DA	PJM MARKET SPOT ENERGY - DAY AHEAD
SPOT MARKET ENERGY - BAL	PJM MARKET SPOT ENERGY - BALANCING

\* Due to voluminous transactions, they are aggregated by type rather than by interconnected utility.



KENTUCKY POWER COMPANY  
POWER TRANSACTION SCHEDULE  
MONTH ENDED: APRIL 2024

**PURCHASES**

TRANSACTION TYPE	BILLING COMPONENTS				
	MWH	FUEL CHARGE	DEMAND	OTHER CHARGES	TOTAL CHARGES
		(\$)	(\$)	(\$)	(\$)
SPOT MARKET ENERGY - BAL	48,258	1,408,616.38	0.00	0.00	1,408,616.38
SPOT MARKET ENERGY - DA	220,234	5,578,391.22	0.00	0.00	5,578,391.22
<b>Subtotal:</b>	268,492 <sup>(1)</sup>	6,987,007.60	0.00	0.00	6,987,007.60
ROCKPORT UNIT #1 - LEASE	0	0.00	0.00	0.00	0.00
ROCKPORT UNIT #2 - LEASE	0	0.00	0.00	0.00	0.00
<b>Subtotal:</b>	0	0.00	0.00	0.00	0.00
<b>INTERRUPTIBLE BUY/THROUGH</b>	0	0.00	0.00	0.00	0.00
<b>TOTALS:</b>	268,492	6,987,007.60	0.00	0.00	6,987,007.60

<sup>(1)</sup> SME PURCHASES - ALLOCATED TO SYSTEM SALES:  
SME PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:  
ROCKPORT PURCHASES - ALLOCATED TO SYSTEM SALES:  
ROCKPORT PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:

MWH	Total Energy Charges
11,234	331,341.30
257,258	6,655,666.30
0	0.00
0	0.00
<u>268,492</u>	<u>6,987,007.60</u>
<u>0</u>	<u>0.00</u>
268,492	6,987,007.60

LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:  
NET INCLUDABLE ENERGY CHARGES:

KENTUCKY POWER COMPANY  
POWER TRANSACTION SCHEDULE  
MONTH ENDED: APRIL 2024

<u>SALES</u>	BILLING COMPONENTS						
	TRANSACTION TYPE	KPCO DELIVERED MWH	SUPPLIED BY KPCO SOURCES		DEMAND (\$)	OTHER CHARGES (\$)	TOTAL CHARGES (\$)
			MWH	FUEL CHARGE (\$)			
SPOT MARKET ENERGY - BAL	13,760	13,760	313,320	0	3,380	316,700	
SPOT MARKET ENERGY - DA	11,379	11,379	355,589	0	3,620	359,209	
	25,139	25,139	668,909 <sup>(1)</sup>	0.00	7,001	675,909	
PRIOR PERIOD ADJUSTMENT	0	0	0.00	0.00	0.00		
<b>INTERRUPTIBLE BUY/THROUGH</b>	0	0	0.00	0.00	0.00	0.00	
<b>TOTALS:</b>	25,139	25,139	668,909	0	7,001	675,909	
KPCo's other costs incurred, (other than fuel from Account 151):						55,478.23	
AEP energy cost less the actual energy costs incurred by KPCo:						0.00	
Difference (Total AEP energy charges - Total AEP energy costs):						(48,478)	
Total (Other Charges):						<u>7,001</u>	
<b>SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)</b>						<b>668,909</b>	
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)						331,341	
Less: FUEL ALLOCATED TO SYSTEM SALES						331,341	
<b>INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)</b>						<u><b>668,909</b></u>	

FINAL SCHEDULE APRIL 2024 COSTS - ACTUAL

**KENTUCKY POWER COMPANY  
FUEL COST SCHEDULE  
MONTH ENDED: APRIL 2024**

	<b>BIG SANDY 1</b>	<b>MITCHELL 1 KP</b>	<b>MITCHELL 2 KP</b>	<b>FUEL AMOUNTS (\$)</b>
<b>(A) COMPANY GENERATION</b>				
COAL BURNED		2,120,409.35	822,081.63	2,942,490.98
OIL BURNED		31,601.36	21,086.73	52,688.09
<sup>(3)</sup> GAS BURNED	3,071,456.95			3,071,456.95
FUEL (JOINTLY OWNED PLANT)				-----
<sup>(1)</sup> FUEL (ASSIGNED COST DURING F.O.)				0.00
FUEL (SUBSTITUTE FOR F.O.)				-----
<b>SUB-TOTAL</b>				<b>6,066,636.02</b>
<b>(B) PURCHASES</b>				
IDENTIFIABLE FUEL COST - OTHER PURCHASES				6,987,007.60
IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES				0.00
<sup>(1)</sup> IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)				0.00
<sup>(2)</sup> IDENTIFIABLE FUEL COST (PEAKING UNIT EQUIVALENT)				954,124.64
<b>SUB-TOTAL</b>				<b>6,032,882.96</b>
<b>(C) INTER-SYSTEM SALES</b>				
FUEL COSTS				668,908.55
<b>TOTAL FUEL COSTS (A + B - C)</b>				<b>11,430,610.42</b>
F.O. = FORCED OUTAGE				
DETAILS:				
<sup>(1)</sup> FUEL (ASSIGNED COST DURING FORCED OUTAGE)				
TOTAL REPLACEMENT (IDENTIFIABLE FUEL COST)				
FUEL COST DUE TO F.O.:	0 kWh	0.000	MILLS/kWh	0.00
TOTAL ALLOWABLE (IDENTIFIABLE FUEL COST)				
REPLACEMENT FUEL COST FOR F.O.:	0 kWh	0.000	MILLS/kWh	0.00
<sup>(1)</sup> 0 BIG SANDY FORCED OUTAGE THIS MONTH 0 MITCHELL UNIT 1 FORCED OUTAGES THIS MONTH 0 MITCHELL UNIT 2 FORCED OUTAGES THIS MONTH				
<sup>(2)</sup> Amount in excess of peaking unit equivalent as calculated in accordance with KPSC Order Of October 3, 2002 in Case No. 2000-00495-B.				
<sup>(3)</sup> The amount shown above as the gas burned for Big Sandy 1 includes the reservation fee.				

AMERICAN ELECTRIC POWER SERVICE CORPORATION  
 FUEL AND ENERGY SYSTEM PRACTICES  
 AMERICAN ELECTRIC POWER  
 MONTHLY PURCHASE SUMMARY REPORT FOR KPCO  
 (Year:2024 Month:4 Cycle:Actual) East Purchase Power Report for Book Name: APR 2024 ACT EAST

NERC Id	Transaction Class	TOTAL			ALLOCATED			FIRM		
		MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST
OVPS	OVPS	0	0	0	0	0	0	0	0	0
PJM	SPOT MARKET ENERGY - BAL	48257.825	1408616.38	1408616.38	5835.825	217544.48	217544.48	42422	1191071.9	1191071.9
PJM	SPOT MARKET ENERGY - DA	220233.7	5578391.22	5578391.22	5398.123	113796.82	113796.82	214835.58	5464594.4	5464594.4
Total		268491.525	6987007.6	6987007.6	11233.948	331341.3	331341.3	257257.58	6655666.3	6655666.3

## APPENDIX A

KENTUCKY POWER COMPANY  
BIG SANDY - TOTAL PLANT  
April 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<b>Unit Performance:</b>	
	a. Capacity (name plate rating) (MW)	295.4
	b. Capacity (average load) (MW)	166.8
	c. Net Demonstrated Capability (MW)	295.4
	d. Net Capability Factor (%)	42.8
2.	<b>Heat Rate:</b>	
	a. Btu's Consumed (MMBTU ('000s))	919.6
	b. Gross Generation (MWH)	95,041
	c. Net Generation (MWH)	91,002
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,105
3.	<b>Operating Availability:</b>	
	a. Hours Unit Operated	520.7
	b. Hours Available	545.7
	c. Hours During the Period	720.0
	d. Availability Factor (%)	75.8
4.	<b>Cost per KWH:</b>	
	a. Gross Generation - FAC Basis (Cents/KWH)	3.2
	b. Net Generation - FAC Basis (Cents/KWH)	3.4
5.	<b>Inventory Analysis:</b>	
	a. Number of Days Supply based on actual burn at the station	NA

## APPENDIX A

### KENTUCKY POWER COMPANY MITCHELL - TOTAL PLANT April 2024

<u>Line No.</u>	<u>Item Description</u>	<u>Total Mitchell</u>	<u>KPCo Share</u>
1.	<b>Unit Performance:</b>		
	a. Capacity (name plate rating) (MW)	1,560.3	780.2
	b. Capacity (average load) (MW)	686.6	343.3
	c. Net Demonstrated Capability (MW)	1,560.3	780.2
	d. Net Capability Factor (%)	13.0	13.0
2.	<b>Heat Rate:</b>		
	a. Btu's Consumed (MMBTU ('000s))	1,579.2	789.6
	b. Gross Generation (MWH)	164,606	82,303
	c. Net Generation (MWH)	145,852	72,926
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,827	10,827
3.	<b>Operating Availability:</b>		
	a. Hours Unit Operated		Reported on Unit Basis Only
	b. Hours Available		Reported on Unit Basis Only
	c. Hours During the Period		Reported on Unit Basis Only
	d. Availability Factor (%)		Reported on Unit Basis Only
4.	<b>Cost per KWH:</b>		
	a. Gross Generation - FAC Basis (Cents/KWH)	3.6	3.6
	b. Net Generation - FAC Basis (Cents/KWH)	4.0	4.0
5.	<b>Inventory Analysis:</b>		
	a. Number of Days Supply based on 12 Month actual burn at the station	320.2	320.2

## APPENDIX A

### KENTUCKY POWER COMPANY MITCHELL - UNIT 1

April 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	770.1
	b. Capacity (average load) (MW)	326.9
	c. Net Demonstrated Capability (MW)	770.1
	d. Net Capability Factor (%)	18.5
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	1,128.7
	b. Gross Generation (MWH)	117,522
	c. Net Generation (MWH)	102,515
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	11,010
3.	Operating Availability:	
	a. Hours Unit Operated	313.6
	b. Hours Available	313.6
	c. Hours During the Period	720.0
	d. Availability Factor (L3b divided by L3c) (%)	43.6
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (Cents/KWH)	Reported on total plant basis only
	b. Net Generation - FAC Basis (Cents/KWH)	Reported on total plant basis only
5.	Inventory Analysis:	
	a. Number of Days Supply based on 12 Month actual burn at the station	Reported on total plant basis only

## APPENDIX A

### KENTUCKY POWER COMPANY MITCHELL - UNIT 2

April 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	790.2
	b. Capacity (average load) (MW)	359.7
	c. Net Demonstrated Capability (MW)	790.2
	d. Net Capability Factor (%)	7.6
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	450.5
	b. Gross Generation (MWH)	47,083
	c. Net Generation (MWH)	43,337
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,395
3.	Operating Availability:	
	a. Hours Unit Operated	120.5
	b. Hours Available	120.5
	c. Hours During the Period	720.0
	d. Availability Factor (L3b divided by L3c) (%)	16.7
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (Cents/KWH)	Reported on total plant basis only
	b. Net Generation - FAC Basis (Cents/KWH)	Reported on total plant basis only
5.	Inventory Analysis:	
	a. Number of Days Supply based on 12 Month actual burn at the station	Reported on total plant basis only



**April 2024**

Allowable BLI	Description	Amount
1200	Day-ahead Spot Market Energy	-
1200a		-
1205	Balancing Spot Market Energy	-
1205a		-
1210	Day-ahead Transmission Congestion	178,052.09
1210a		
1215	Balancing Transmission Congestion	94,581.48
1215a		
1218	Planning Period Congestion Uplift	
1218a		
1220	Day-ahead Transmission Losses	282,266.13
1220a		
1225	Balancing Transmission Losses	(29,019.59)
1225a		
1230	Inadvertent Interchange	2,261.93
1230a		
1250	Meter Error Correction	(10,171.68)
1250a		29,846.22
1260	Emergency Energy	
1260a		
1340	Regulation and Frequency Response Service Charge	45,923.89
1340a		43.70
1350	Energy Imbalance Service Charge	
1350a		
1360	Synchronized Reserve Charge	67,517.49
1360a		(429.32)
1370	Day-ahead Operating Reserve Charge	20,044.83
1370a		
1375	Balancing Operating Reserve	83,046.68
1375a		(652.61)
1377	Synchronous Condensing Charge	
1377a		
1378	Reactive Services Charge	
1378a		
1400	Load Reconciliation for Spot Market Energy	
1400a		
1410	Load Reconciliation for Transmission Congestion	(5.87)
1410a		
1420	Load Reconciliation Transmission Losses	0.28
1420a		
1430	Load Reconciliation for Inadvertent Interchange	
1430a		
1460	Load Reconciliation for Regulation and Frequency Response Service	
1460a		
1470	Load Reconciliation for Synchronized Reserve	
1470a		
1478	Load Reconciliation for Balancing Operating Reserve	
1478a		
1480	Load Reconciliation for Synchronous Condensing	
1480a		
1490	Load Reconciliation for Reactive Services	
1490a		

1500	Financial Transmission Rights Auction	673,956.01
1500a		
1930	Generation Deactivation Charge	
1930a		
2210	Transmission Congestion Credit	
2210a		
2211	Day-ahead Transmission Congestion	(500,517.36)
2211a		0.02
2215	Balancing Transmission	209,360.17
2215a		(955.66)
2217	Planning Period Excess Congestion Credit	
2217a		
2218	Planning Period Congestion Uplift Credit	
2218a		
2220	Transmission Losses Credit	(103,147.88)
2220a		
2260	Emergency Energy Credit	
2260a		
2340	Regulation and Frequency Response Service Credit	(1,075.51)
2340a		(76.16)
2350	Energy Imbalance Service Credit	
2350a		
2360	Synchronized Reserve Credit	4,580.64
2360a		
2370	Day-ahead Operating Reserve Credit	
2370a		
2375	Balancing Operating Reserve Credit	(204.50)
2375a		
2377	Synchronous Condensing Credit	
2377a		
2378	Reactive Services Credit	
2378a		
2415	Balancing Transmission Congestion Load Reconciliation	
2415a		
2420	Load Reconciliation for Transmission Losses	
2420a		
2500	Financial Transmission Rights Auction	
2500a		
2510	Auction Revenue Rights	(683,064.60)
2510a		
2930	Generation Deactivation Credit	
2930a		

**Sum of Allowable BLIs (In accounts outside those already being captured)**

**362,160.82**