



An **AEP** Company

BOUNDLESS ENERGY™

RECEIVED

DEC 16 2024

PUBLIC SERVICE  
COMMISSION

**DELIVERED VIA EMAIL TO PSCED@KY.GOV**

December 13, 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 October, 2024 the required backup information for the fuel adjustment clause applied to customers' bills in the month of December, 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 (614) 906-6051.

Sincerely,

A handwritten signature in blue ink that reads "Tanner S. Wolfram". The signature is written in a cursive, somewhat stylized font.

Tanner S. Wolfram  
Director, Regulatory Services

Attachment

**KENTUCKY POWER COMPANY  
ANALYSIS OF COAL PURCHASES**

October 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>Trans Cost</u>		<u>Delivered Cost</u>				
								<u>Price</u> <u>Per Ton</u> (i)	<u>Cents Per</u> <u>MMBTU</u> (j)	<u>Per</u> <u>Ton</u> (k)	<u>Cents Per</u> <u>MMBTU</u> (l)	<u>Per</u> <u>Ton</u> (m)	<u>Cents Per</u> <u>MMBTU</u> (n)	<u>%</u> <u>Sulfur</u> (o)	<u>%</u> <u>Ash</u> (p)	<u>%</u> <u>H2O</u> (q)	
<b>TOTAL KENTUCKY POWER</b>																	
ACNR Coal Sales, Inc.	P	07-77-05-900	A	C	WV	15,850.00	12,792	25.58	45.22	176.76	0.00	0.00	45.22	176.76	2.31	7.92	7.22
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	4,141.60	12,142	24.28	144.93	596.92	7.71	31.76	152.65	628.69	0.76	12.02	7.09
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	5,284.60	12,303	24.61	74.05	300.88	7.71	31.34	81.76	332.22	0.89	11.38	6.69
BAMM, Inc.	P	03-00-21-003	A	B	KY	7,005.60	12,210	24.42	70.59	289.06	8.17	33.46	78.76	322.52	0.93	10.01	7.57
Alpha Thermal CS Company	P	03-00-21-9M3	A	B	WV	6,046.80	12,283	24.57	73.14	297.69	7.74	31.51	80.89	329.21	0.85	11.34	6.72
Alliance	P	03-00-22-9M3	A	B	WV	22,978.95	12,539	25.08	81.31	324.19	0.55	2.19	81.86	326.38	3.12	8.87	7.14
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	7,442.00	12,564	25.13	153.91	612.45	7.68	30.57	161.59	643.02	0.82	8.63	7.36
<b>TOTAL SYSTEM WEIGHTED AVERAGE</b>						<b>68,749.55</b>	<b>12,502</b>	<b>25.00</b>	<b>82.31</b>	<b>330.13</b>	<b>3.59</b>	<b>14.54</b>	<b>85.90</b>	<b>344.68</b>	<b>1.95</b>	<b>9.34</b>	<b>7.15</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  
October 2024**

Station and Supplier (a)	P B D U (b)	P O C N (c)	P M I I (c1)	M I (d)	ST (e)	Tons Purchased (f)	BTU Per LB. (g)	No. MMBTU Per Ton (h)	FOB Mine Price Per Ton (i)	Cents Per MMBTU (j)	Trans Cost (A) (B) Per Ton (k)	Cents Per MMBTU (l)	Delivered Cost Per Ton (m)	Cents Per MMBTU (n)	% Sulfur (o)	% Ash (p)	% H2O (q)
	<b>MITCHELL PLANT</b>																
<b>Long Term Contracts:</b>											(A) (B)						
ACNR Coal Sales, Inc.	P	07-77-05-900	A	C	WV	31,700.00	12,792	25.58	45.22	176.76	0.00	0.00	45.22	176.76	2.31	7.92	7.22
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	8,283.20	12,142	24.28	144.93	596.92	7.71	31.76	152.65	628.69	0.76	12.02	7.09
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	10,569.20	12,303	24.61	74.05	300.88	7.71	31.34	81.76	332.22	0.89	11.38	6.69
BAMM, Inc.	P	03-00-21-003	A	B	KY	14,011.20	12,210	24.42	70.59	289.06	8.17	33.46	78.76	322.52	0.93	10.01	7.57
Alpha Thermal CS Company	P	03-00-21-9M3	A	B	WV	12,093.60	12,283	24.57	73.14	297.69	7.74	31.51	80.89	329.21	0.85	11.34	6.72
Alliance	P	03-00-22-9M3	A	B	WV	45,957.90	12,539	25.08	81.31	324.19	0.55	2.19	81.86	326.38	3.12	8.87	7.14
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	14,884.00	12,564	25.13	153.91	612.45	7.68	30.57	161.59	643.02	0.82	8.63	7.36
<b>Station Weighted Average</b>						137,499.10	12,502	25.00	82.31	330.13	3.59	14.54	85.90	344.68	1.95	9.34	7.15
<b>Spot Market:</b>																	
											(A) (B)						
<b>Station Weighted Average</b>						-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL STATION WEIGHTED AVERAGE</b>						137,499.10	12,502	25.00	82.31	330.13	3.59	14.54	85.90	344.68	1.95	9.34	7.15

**Notes**

- (A) There were demurrage charges of \$9,100 (\$4,500 KYPCo share) transportation costs reported for October 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-24-001	T	Mitchell	420,110.00	138,300.00	2.48	1,794.56

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

Kentucky Power Share of Oil Receipts	210,055.00			
Mitchell Total Oil Receipts	420,110.00			
Mitchell - Kentucky Power Oil Receipts Ratio	50.00%			
Marathon Petroleum LP	P	03-FO-24-001	T	210,055.00

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

**KENTUCKY POWER COMPANY  
ANALYSIS OF GAS PURCHASES  
October-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)
DTE	-	P	Big Sandy	868,000	868,024	1,969,120.00	2.27	2.27	-
Columbia Gas*	173522 & 177527	P	Big Sandy			65,739.41	0.00		-
Columbia Gas - Reservation F	173522	P	Big Sandy			549,928.84	0.00		-
				<u>868,000</u>	<u>868,024</u>	<u>2,584,788</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  
October-2024**

**COAL INVENTORY SCHEDULE**

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		627,296.23	\$62,072,819.40	\$98.9530
Purchases		68,749.55	\$5,905,325.97	\$85.8962
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		696,045.78	\$67,978,145.37	\$97.6633
Less Coal Burned		67,007.00	\$5,748,105.71	\$85.7837
Ending Inventory		629,038.78	\$62,230,039.66	\$98.9288

1 No Coal Pile Survey Adjustment this reporting period.

**KENTUCKY POWER COMPANY  
BIG SANDY PLANT  
October-2024**

**GAS INVENTORY SCHEDULE**

	<u>MMBTU</u>	<u>Amount</u>	<u>\$/MMBTU</u>
Beginning Inventory <sup>(1)</sup>	(24.00)	\$ (35.74)	\$1.4892
Purchases	868,024.00	\$ 2,584,788.25	\$2.9778
Gas Sales	-868,000.00	\$ (1,330,770.00)	\$1.5331
Adjustments(Imbalance point usage)	0.00	\$ -	\$0.0000
Sub-Total	-	\$ 1,253,982.51	\$0.0000
Less Disposed			
Generation	6.00	\$ 615,647.60	\$102,607.9330
Loss or (Gain) on Sale	0.00	\$ 638,344.96	\$0.0000
Other(Tax expense)	0.00	\$ -	\$0.0000
Ending Inventory <sup>(1)</sup>	(6.00)	\$ (10.05)	\$1.6750

<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  
October 2024**

**OIL INVENTORY SCHEDULE**

	<u>Gallons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	345,064.21	\$886,742.56	\$2.5698
Purchases	210,055.00	\$521,331.03	\$2.4819
Adjustments	0.00	\$0.00	\$0.0000
Sub-Total	555,119.21	\$1,408,073.59	\$2.5365
Less Disposed			
Generation	280,726.93	\$712,070.80	\$2.5365
Chemical Cleaning/Other	0.00	\$0.00	\$0.0000
Ending Inventory	274,392.29	\$696,002.79	\$2.5365

**KENTUCKY POWER COMPANY  
POWER TRANSACTION SCHEDULE  
October 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: OCTOBER 2024

**PURCHASES**

TRANSACTION TYPE	BILLING COMPONENTS				
	MWH	FUEL CHARGE (\$)	DEMAND (\$)	OTHER CHARGES (\$)	TOTAL CHARGES (\$)
SPOT MARKET ENERGY - BAL	71,874	2,718,655.37	0.00	0.00	2,718,655.37
SPOT MARKET ENERGY - DA	219,323	6,720,301.47	0.00	0.00	6,720,301.47
<b>Subtotal:</b>	291,197 <sup>(1)</sup>	9,438,956.84	0.00	0.00	9,438,956.84
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>	291,197	9,438,956.84	0.00	0.00	9,438,956.84

	<u>MWH</u>	<u>Total Energy Charges</u>
<sup>(1)</sup> SME PURCHASES - ALLOCATED TO SYSTEM SALES:	17,387	690,940.70
SME PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	273,810	8,748,016.14
ROCKPORT PURCHASES - ALLOCATED TO SYSTEM SALES:	0	0.00
ROCKPORT PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	0	0.00
	<u>291,197</u>	<u>9,438,956.84</u>
LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:	<u>0</u>	<u>0.00</u>
NET INCLUDABLE ENERGY CHARGES:	291,197	9,438,956.84

KENTUCKY POWER COMPANY  
POWER TRANSACTION SCHEDULE  
MONTH ENDED: OCTOBER 2024

SALES TRANSACTION TYPE	KPCO DELIVERED MWH	BILLING COMPONENTS					TOTAL CHARGES (\$)
		SUPPLIED BY KPCO SOURCES		FUEL CHARGE (\$)	DEMAND (\$)	OTHER CHARGES (\$)	
		MWH					
SPOT MARKET ENERGY - BAL	16,335	16,335	510,769	0	(23,669)	487,100	
SPOT MARKET ENERGY - DA	6,209	6,209	334,775	0	(19,940)	314,835	
	22,544	22,544	845,544 <sup>(1)</sup>	0.00	(43,609)	801,936	
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>	22,544	22,544	845,544	0	(43,609)	801,936	
KPCo's other costs incurred, (other than fuel from Account 151):						22,184.20	
AEP energy cost less the actual energy costs incurred by KPCo:						0.00	
Difference (Total AEP energy charges - Total AEP energy costs):						(65,793)	
Total (Other Charges):						<u>(43,609)</u>	
<b>SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)</b>						<b>845,544</b>	
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)						690,941	
Less: FUEL ALLOCATED TO SYSTEM SALES						690,941	
<b>INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)</b>						<u><b>845,544</b></u>	

FINAL SCHEDULE OCTOBER 2024 COSTS - ACTUAL

**KENTUCKY POWER COMPANY  
FUEL COST SCHEDULE  
MONTH ENDED: OCTOBER 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		4,125,424.93	1,622,680.78	5,748,105.71
OIL BURNED		423,266.02	288,804.78	712,070.80
<sup>(3)</sup> GAS BURNED	615,647.61			615,647.61
FUEL (JOINTLY OWNED PLANT)				-----
<sup>(1)</sup> FUEL (ASSIGNED COST DURING F.O.)				435.69
FUEL (SUBSTITUTE FOR F.O.)				-----
<b>SUB-TOTAL</b>				<b>7,076,259.81</b>
<b>(B) PURCHASES</b>				
IDENTIFIABLE FUEL COST - OTHER PURCHASES				9,438,956.84
IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES				0.00
<sup>(1)</sup> IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)				473.20
<sup>(2)</sup> IDENTIFIABLE FUEL COST (PEAKING UNIT EQUIVALENT)				386,280.51
<b>SUB-TOTAL</b>				<b>9,052,203.14</b>
<b>(C) INTER-SYSTEM SALES</b>				
FUEL COSTS				845,544.43
<b>TOTAL FUEL COSTS (A + B - C)</b>				<b>15,282,918.52</b>
F.O. = FORCED OUTAGE				
DETAILS:				
<sup>(1)</sup> FUEL (ASSIGNED COST DURING FORCED OUTAGE)				
<b>TOTAL REPLACEMENT (IDENTIFIABLE FUEL COST) FUEL COST DUE TO F.O.:</b>	<b>15,866 kWh</b>	<b>29.825</b>	<b>MILLS/kWh</b>	<b>473.20</b>
<b>TOTAL ALLOWABLE (IDENTIFIABLE FUEL COST) REPLACEMENT FUEL COST FOR F.O.:</b>	<b>15,866 kWh</b>	<b>27.460</b>	<b>MILLS/kWh</b>	<b>435.69</b>

<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 KPCCO  
 (Year:2024 Month:10 Cycle:Actual) East Purchase Power Report for Book Name: OCT2024 Actual 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	71873.549	2718655.37	2718655.37	5061.224	299740.77	299740.77	66812.325	2418914.6	2418914.6
PJM	SPOT MARKET ENERGY - DA	219323.05	6720301.47	6720301.47	12325.807	391199.93	391199.93	206997.24	6329101.54	6329101.54
Total		291196.599	9438956.84	9438956.84	17387.031	690940.7	690940.7	273809.57	8748016.14	8748016.14

## APPENDIX A

### KENTUCKY POWER COMPANY BIG SANDY - TOTAL PLANT October-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)	-
	c. Net Demonstrated Capability (MW)	295.4
	d. Net Capability Factor (%)	-
2.	<b>Heat Rate:</b>	
	a. Btu's Consumed (MMBTU ('000s))	0.0
	b. Gross Generation (MWH)	0
	c. Net Generation (MWH)	0
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	0
3.	<b>Operating Availability:</b>	
	a. Hours Unit Operated	0.0
	b. Hours Available	0.0
	c. Hours During the Period	744.0
	d. Availability Factor (%)	0.0
4.	<b>Cost per KWH:</b>	
	a. Gross Generation - FAC Basis (Cents/KWH)	0.0
	b. Net Generation - FAC Basis (Cents/KWH)	0.0
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 October-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)	545.6	272.8
	c. Net Demonstrated Capability (MW)	1,560.3	780.2
	d. Net Capability Factor (%)	26.3	26.3
2.	<b>Heat Rate:</b>		
	a. Btu's Consumed (MMBTU)	3,395.3	1,697.7
	b. Gross Generation (MWH)	340,336	170,168
	c. Net Generation (MWH)	304,988	152,494
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	11,133	11,133
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)	3.4	3.4
	b. Net Generation - FAC Basis (Cents/KWH)	3.8	3.8
5.	<b>Inventory Analysis:</b>		
	a. Number of Days Supply based on actual burn at the station	293.3	293.3

## APPENDIX A

KENTUCKY POWER COMPANY  
MITCHELL - UNIT 1  
October-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)	361.4
	c. Net Demonstrated Capability (MW)	770.1
	d. Net Capability Factor (%)	39.5
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	2,460.6
	b. Gross Generation (MWH)	253,109
	c. Net Generation (MWH)	226,396
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,868
3.	Operating Availability:	
	a. Hours Unit Operated	626.5
	b. Hours Available	626.5
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	84.2
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 actual burn at the station	Reported on total plant basis only

## APPENDIX A

KENTUCKY POWER COMPANY  
MITCHELL - UNIT 2  
October-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)	184.2
	c. Net Demonstrated Capability (MW)	790.2
	d. Net Capability Factor (%)	13.4
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	934.7
	b. Gross Generation (MWH)	87,227
	c. Net Generation (MWH)	78,592
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	11,894
3.	Operating Availability:	
	a. Hours Unit Operated	236.7
	b. Hours Available	426.7
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	57.4
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 actual burn at the station	Reported on total plant basis only



**October 2024**

Allowable BLI	Description	Amount
1200	Day-ahead Spot Market Energy	-
1200a		-
1205	Balancing Spot Market Energy	-
1205a		-
1210	Day-ahead Transmission Congestion	546,865.96
1210a		
1215	Balancing Transmission Congestion	132,747.01
1215a		
1218	Planning Period Congestion Uplift	
1218a		
1220	Day-ahead Transmission Losses	392,668.42
1220a		
1225	Balancing Transmission Losses	6,806.34
1225a		
1230	Inadvertent Interchange	2,240.50
1230a		
1250	Meter Error Correction	(24,225.38)
1250a		50,710.39
1260	Emergency Energy	
1260a		
1340	Regulation and Frequency Response Service Charge	87,381.54
1340a		(19,457.12)
1350	Energy Imbalance Service Charge	
1350a		
1360	Synchronized Reserve Charge	57,217.80
1360a		(530.64)
1370	Day-ahead Operating Reserve Charge	42,036.55
1370a		9.27
1375	Balancing Operating Reserve	32,953.55
1375a		(675.02)
1377	Synchronous Condensing Charge	
1377a		
1378	Reactive Services Charge	
1378a		
1400	Load Reconciliation for Spot Market Energy	
1400a		
1410	Load Reconciliation for Transmission Congestion	3.98
1410a		
1420	Load Reconciliation Transmission Losses	0.13
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	821,766.90
1500a		
1930	Generation Deactivation Charge	
1930a		
2210	Transmission Congestion Credit	
2210a		
2211	Day-ahead Transmission Congestion	(1,134,733.83)
2211a		(0.02)
2215	Balancing Transmission	173,504.14
2215a		2.05
2217	Planning Period Excess Congestion Credit	
2217a		
2218	Planning Period Congestion Uplift Credit	
2218a		
2220	Transmission Losses Credit	(174,055.34)
2220a		(0.17)
2260	Emergency Energy Credit	
2260a		
2340	Regulation and Frequency Response Service Credit	(405.50)
2340a		(432.65)
2350	Energy Imbalance Service Credit	
2350a		
2360	Synchronized Reserve Credit	10,797.49
2360a		(157.86)
2370	Day-ahead Operating Reserve Credit	
2370a		
2375	Balancing Operating Reserve Credit	(5.95)
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	(659.40)
2500a		
2510	Auction Revenue Rights	(849,143.32)
2510a		
2930	Generation Deactivation Credit	
2930a		

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

153,229.82