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February 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 December, 2024 the required backup information for the fuel adjustment clause applied to customers' bills in the month of February, 2025:

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, appearing to read "Tanner S. Wolfram". The signature is fluid and cursive, written over a light blue horizontal line.

Tanner S. Wolfram
Director, Regulatory Services

Attachment

KENTUCKY POWER COMPANY
ANALYSIS OF COAL PURCHASES
December 2024

<u>Station and Supplier</u> (a)	<u>P</u> (b)	<u>O</u> (c)	<u>P</u> (c1)	<u>M</u> (d)	<u>ST</u> (e)	<u>Tons</u> (f)	<u>BTU</u> (g)	<u>No.</u> (h)	<u>FOB Mine</u>		<u>Trans Cost</u>		<u>Delivered Cost</u>				
						<u>Purchased</u>	<u>Per LB.</u>	<u>Per Ton</u>	<u>Price</u> <u>Per Ton</u>	<u>Cents Per</u> <u>MMBTU</u>	<u>Per</u> <u>Ton</u>	<u>Cents Per</u> <u>MMBTU</u>	<u>Per</u> <u>Ton</u>	<u>Cents Per</u> <u>MMBTU</u>	<u>%</u> <u>Sulfur</u>	<u>%</u> <u>Ash</u>	<u>%</u> <u>H2O</u>
TOTAL KENTUCKY POWER																	
ACNR Coal Sales, Inc.	P	07-77-05-900	A	C	WV	65.00	12,949	25.90	45.84	176.99	0.00	0.00	45.84	176.99	2.25	6.92	7.32
Alpha Thermal CS Company	P	03-00-21-9M3	B	B	WV	1,593.85	12,619	25.24	75.09	297.51	10.81	42.83	85.90	340.34	1.00	7.55	9.85
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	5,851.95	12,324	24.65	147.01	596.40	10.85	44.03	157.86	640.43	0.90	10.36	7.61
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	18,063.60	12,324	24.65	73.94	299.96	10.85	44.03	84.79	343.99	0.82	10.63	7.40
BAMM, Inc.	P	03-00-21-003	A	B	KY	850.00	12,179	24.36	70.64	289.96	11.50	47.20	82.13	337.16	0.69	8.68	9.55
Alpha Thermal CS Company	P	03-00-21-9M3	A	B	WV	4,762.85	12,366	24.73	73.32	296.49	10.90	44.06	84.22	340.55	0.92	10.75	7.20
Alliance	P	03-00-22-9M3	A	B	WV	6,175.80	12,547	25.09	80.81	322.09	0.77	3.09	81.59	325.18	2.96	8.69	7.17
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	3,896.45	12,372	24.74	154.53	624.63	10.81	43.69	165.34	668.33	0.76	7.43	9.09
TOTAL SYSTEM WEIGHTED AVERAGE						41,259.50	12,376	24.75	92.80	375.08	9.34	37.82	102.14	412.91	1.16	9.85	7.67

(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
 December 2024

<u>Station and Supplier</u> (a)	<u>P</u> <u>B</u> <u>D</u> <u>U</u> (b)	<u>P</u> <u>O</u> <u>C</u> <u>N</u> (c)	<u>P</u> <u>M</u> <u>I</u> <u>I</u> <u>ST</u> (c1) (d) (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 (A) (B)</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)		
MITCHELL PLANT																	
Long Term Contracts:													(A) (B)				
ACNR Coal Sales, Inc.	P	07-77-05-900	A C WV	130.00	12,949	25.90	45.84	176.99	0.00	0.00	45.84	176.99	2.25	6.92	7.32		
Alpha Thermal CS Company	P	03-00-21-9M3	B B WV	3,187.70	12,619	25.24	75.09	297.51	10.81	42.83	85.90	340.34	1.00	7.55	9.85		
Blackhawk Coal Sales	P	03-00-23-9M3	A B WV	11,703.90	12,324	24.65	147.01	596.40	10.85	44.03	157.86	640.43	0.90	10.36	7.61		
Blackhawk Coal Sales	P	03-00-21-9M4	A B WV	36,127.20	12,324	24.65	73.94	299.96	10.85	44.03	84.79	343.99	0.82	10.63	7.40		
BAMM, Inc.	P	03-00-21-003	A B KY	1,700.00	12,179	24.36	70.64	289.96	11.50	47.20	82.13	337.16	0.69	8.68	9.55		
Alpha Thermal CS Company	P	03-00-21-9M3	A B WV	9,525.70	12,366	24.73	73.32	296.49	10.90	44.06	84.22	340.55	0.92	10.75	7.20		
Alliance	P	03-00-22-9M3	A B WV	12,351.60	12,547	25.09	80.81	322.09	0.77	3.09	81.59	325.18	2.96	8.69	7.17		
Pocahontas Sales and Logistics	P	03-00-23-002	A B WV	7,792.90	12,372	24.74	154.53	624.63	10.81	43.69	165.34	668.33	0.76	7.43	9.09		
Station Weighted Average				82,519.00	12,376	24.75	92.80	375.08	9.34	37.82	102.14	412.91	1.16	9.85	7.67		
Spot Market:													(A) (B)				
Station Weighted Average				-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL STATION WEIGHTED AVERAGE				82,519.00	12,376	24.75	92.80	375.08	9.34	37.82	102.14	412.91	1.16	9.85	7.67		

Notes

- (A) There were demurrage charges of \$5,000 (\$2,500 KYPCo share) along with Campbell Q3 trueup costs of \$228,130.57 (\$114,065.29 KYPCo share), transportation costs reported for December 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

<u>Supplier</u>	<u>P</u> <u>B</u> <u>D</u> <u>U</u> P	<u>P</u> <u>O</u> <u>C</u> <u>N</u> 03-FO-24-001	<u>M</u> <u>I</u> T	<u>Station</u> <u>Name</u> Mitchell	<u>Gal or</u> <u>Cu. Ft.</u> <u>Purchased</u> 150,041.00	<u>BTU per</u> <u>Unit</u> 138,500.00	<u>Delivered</u> <u>Cost Per Gal</u> 2.29	<u>Cents Per</u> <u>MMBTU</u> 1,655.10
Marathon Petroleum LP								

MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES

Kentucky Power Share of Oil Receipts	75,020.50
Mitchell Total Oil Receipts	150,041.00
Mitchell - Kentucky Power Oil Receipts Ratio	50.00%
Marathon Petroleum LP	P 03-FO-24-001 T 75,020.50

(b) PDBU = Producer, Broker, Distributor or Utility	(d) MT = Mode of Transportation
(c) POCN = Purchase Order or Contract Number	Designated by Symbol
(c1) PT = Product Type	R = Rail
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
December-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)
CARBOETTER	-	P	Big Sandy	4,200	4,110	10,794.00	2.57	2.63	-
DTE	-	P	Big Sandy	248,000	242,708	845,436.00	3.41	3.48	-
EESI	-	P	Big Sandy	5,000	4,893	13,350.00	2.67	2.73	-
J ARON	-	P	Big Sandy	496,000	485,417	1,644,736.00	3.32	3.39	-
MACQUARIE	-	P	Big Sandy	175,000	171,266	496,850.00	2.84	2.90	-
MERCURIAEA	-	P	Big Sandy	8,200	8,025	22,944.00	2.80	2.86	-
NEXTERA	-	P	Big Sandy	12,000	11,744	35,280.00	2.94	3.00	-
RANGEAPP	-	P	Big Sandy	15,000	14,680	39,000.00	2.60	2.66	-
SEM2	-	P	Big Sandy	27,600	27,011	73,032.00	2.65	2.70	-
SPOTLIGHT	-	P	Big Sandy	15,000	14,680	41,100.00	2.74	2.80	-
TENASKA	-	P	Big Sandy	4,800	4,698	12,432.00	2.59	2.65	-
UNITED	-	P	Big Sandy	34,100	33,372	96,877.75	2.84	2.90	-
VITOL	-	P	Big Sandy	74,900	73,302	217,424.75	2.90	2.97	-
Columbia Gas*	173522 & 177527	P	Big Sandy			-40,358.15	0.00		-
Columbia Gas - Reservation Fee	173522	P	Big Sandy			461,278.80	0.00		-
				<u>1,119,800</u>	<u>1,095,907</u>	<u>3,970,177</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
December 2024**

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		614,600.28	\$60,437,512.68	\$98.3363
Purchases		41,259.50	\$4,214,423.83	\$102.1443
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		655,859.78	\$64,651,936.51	\$98.5759
Less Coal Burned		108,870.00	\$10,015,105.62	\$91.9914
Ending Inventory		546,989.78	\$54,636,830.89	\$99.8864

1 No Coal Pile Survey Adjustment this reporting period.

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

GAS INVENTORY SCHEDULE

	<u>MMBTU</u>	<u>Amount</u>	<u>\$/MMBTU</u>
Beginning Inventory ⁽¹⁾	-	\$ -	\$0.0000
Purchases	1,095,907.00	\$ 3,970,177.15	\$3.6227
Gas Sales	0.00	\$ -	\$0.0000
Adjustments(Imbalance point usage)	0.00	\$ -	\$0.0000
Sub-Total	1,095,907.00	\$ 3,970,177.15	\$3.6227
Less Disposed			
Generation	985,879.00	\$ 3,597,972.09	\$3.6495
Loss or (Gain) on Sale	0.00	\$ 0.21	\$0.0000
Other(Tax expense)	0.00	\$ -	\$0.0000
Ending Inventory ⁽¹⁾	110,028.00	\$ 372,204.85	\$3.3828

⁽¹⁾ 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
December 2024**

OIL INVENTORY SCHEDULE

	<u>Gallons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	352,647.44	\$886,637.80	\$2.5142
Purchases	75,016.50	\$171,961.32	\$2.2923
Adjustments	0.00	\$0.00	\$0.0000
Sub-Total	427,663.94	\$1,058,599.12	\$2.4753
Less Disposed			
Generation	64,565.50	\$159,819.37	\$2.4753
Chemical Cleaning/Other	0.00	\$0.00	\$0.0000
Ending Inventory	363,098.44	\$898,779.75	\$2.4753

**KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
December 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: DECEMBER 2024

PURCHASES

TRANSACTION TYPE	BILLING COMPONENTS				
	MWH	FUEL CHARGE (\$)	DEMAND (\$)	OTHER CHARGES (\$)	TOTAL CHARGES (\$)
SPOT MARKET ENERGY - BAL	83,784	3,152,265.14	0.00	0.00	3,152,265.14
SPOT MARKET ENERGY - DA	170,333	5,539,320.24	0.00	0.00	5,539,320.24
Subtotal:	254,117 ⁽¹⁾	8,691,585.38	0.00	0.00	8,691,585.38
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
Subtotal:	0	0.00	0.00	0.00	0.00
INTERRUPTIBLE BUY/THROUGH	0	0.00	0.00	0.00	0.00
TOTALS:	254,117	8,691,585.38	0.00	0.00	8,691,585.38

	MWH	Total Energy Charges
⁽¹⁾ SME PURCHASES - ALLOCATED TO SYSTEM SALES:	35,883	1,421,783.00
SME PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	218,234	7,269,802.38
ROCKPORT PURCHASES - ALLOCATED TO SYSTEM SALES:	0	0.00
ROCKPORT PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	0	0.00
	<u>254,117</u>	<u>8,691,585.38</u>
LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:	0	0.00
NET INCLUDABLE ENERGY CHARGES:	254,117	8,691,585.38

KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
MONTH ENDED: DECEMBER 2024

SALES TRANSACTION TYPE	KPCO DELIVERED MWH	BILLING COMPONENTS					TOTAL CHARGES (\$)
		SUPPLIED BY KPCO SOURCES		DEMAND (\$)	OTHER CHARGES (\$)		
		MWH	FUEL CHARGE (\$)				
SPOT MARKET ENERGY - BAL	31,695	31,695	1,102,051	0	(26,278)	1,075,773	
SPOT MARKET ENERGY - DA	27,364	27,364	1,052,111	0	69,760	1,121,871	
	59,059	59,059	2,154,162 ⁽¹⁾	0.00	43,482	2,197,644	
PRIOR PERIOD ADJUSTMENT	0	0	0.00	0.00	0.00		
INTERRUPTIBLE BUY/THROUGH	0	0	0.00	0.00	0.00	0.00	
TOTALS:	59,059	59,059	2,154,162	0	43,482	2,197,644	
KPCo's other costs incurred, (other than fuel from Account 151):						87,847.22	
AEP energy cost less the actual energy costs incurred by KPCo:						0.00	
Difference (Total AEP energy charges - Total AEP energy costs):						(44,365)	
Total (Other Charges):						43,482	
SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)						2,154,162	
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)						1,421,783	
Less: FUEL ALLOCATED TO SYSTEM SALES						1,421,783	
INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)						2,154,162	

FINAL SCHEDULE DECEMBER 2024 COSTS - ACTUAL

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

	BIG SANDY 1	MITCHELL 1 KP	MITCHELL 2 KP	FUEL AMOUNTS (\$)
(A) COMPANY GENERATION				
COAL BURNED		5,775,505.35	4,239,600.27	10,015,105.62
OIL BURNED		105,179.46	54,639.91	159,819.37
⁽³⁾ GAS BURNED	3,597,973.61			3,597,973.61
FUEL (JOINTLY OWNED PLANT)				-----
⁽¹⁾ FUEL (ASSIGNED COST DURING F.O.)				0.00
FUEL (SUBSTITUTE FOR F.O.)				-----
SUB-TOTAL				<u>13,772,898.60</u>
(B) PURCHASES				
IDENTIFIABLE FUEL COST - OTHER PURCHASES				8,691,585.38
IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES				0.00
⁽¹⁾ IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)				0.00
⁽²⁾ IDENTIFIABLE FUEL COST (PEAKING UNIT EQUIVALENT)				0.00
SUB-TOTAL				<u>8,691,585.38</u>
(C) INTER-SYSTEM SALES				
FUEL COSTS				2,154,161.58
TOTAL FUEL COSTS (A + B - C)				<u><u>20,310,322.40</u></u>
F.O. = FORCED OUTAGE				
DETAILS:				
⁽¹⁾ 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
⁽¹⁾ 0 BIG SANDY FORCED OUTAGE THIS MONTH				
0 MITCHELL UNIT 1 FORCED OUTAGES THIS MONTH				
0 MITCHELL UNIT 2 FORCED OUTAGES THIS MONTH				

⁽²⁾ Amount in excess of peaking unit equivalent as calculated in accordance with KPSC Order OF October 3, 2002 in Case No. 2000-00495-B.

⁽³⁾ 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:12 Cycle:Actual) East Purchase Power Report for Book Name: DEC2024 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	83784.334	3152265.14	3152265.14	17675.872	735207.1	735207.1	66108.462	2417058.04	2417058.04
PJM	SPOT MARKET ENERGY - DA	170332.85	5539320.24	5539320.24	18207.23	686575.9	686575.9	152125.62	4852744.34	4852744.34
Total		254117.184	8691585.38	8691585.38	35883.102	1421783	1421783	218234.08	7269802.38	7269802.38

APPENDIX A

KENTUCKY POWER COMPANY
BIG SANDY - TOTAL PLANT
December-2024

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	295.4
	b. Capacity (average load) (MW)	140.5
	c. Net Demonstrated Capability (MW)	295.4
	d. Net Capability Factor (%)	41.9
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	985.9
	b. Gross Generation (MWH)	98,960
	c. Net Generation (MWH)	92,152
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,698
3.	Operating Availability:	
	a. Hours Unit Operated	656.0
	b. Hours Available	656.0
	c. Hours During the Period	744.0
	d. Availability Factor (%)	88.2
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (Cents/KWH)	3.6
	b. Net Generation - FAC Basis (Cents/KWH)	3.9
5.	Inventory Analysis:	
	a. Number of Days Supply based on actual burn at the station	NA

APPENDIX A

KENTUCKY POWER COMPANY MITCHELL - TOTAL PLANT December-2024

<u>Line No.</u>	<u>Item Description</u>	<u>Total Mitchell</u>	<u>KPCo Share</u>
1.	Unit Performance:		
	a. Capacity (name plate rating) (MW)	1,560.3	780.2
	b. Capacity (average load) (MW)	674.3	337.1
	c. Net Demonstrated Capability (MW)	1,560.3	780.2
	d. Net Capability Factor (%)	42.4	42.4
2.	Heat Rate:		
	a. Btu's Consumed (MMBTU)	5,408.2	2,704.1
	b. Gross Generation (MWH)	548,857	274,429
	c. Net Generation (MWH)	492,291	246,145
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,986	10,986
3.	Operating Availability:		
	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.	Cost per KWH:		
	a. Gross Generation - FAC Basis (Cents/KWH)	3.6	3.6
	b. Net Generation - FAC Basis (Cents/KWH)	4.1	4.1
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station	221.2	221.2

APPENDIX A

KENTUCKY POWER COMPANY
MITCHELL - UNIT 1
December-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)	362.3
	c. Net Demonstrated Capability (MW)	770.1
	d. Net Capability Factor (%)	47.0
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	3,053.0
	b. Gross Generation (MWH)	302,807
	c. Net Generation (MWH)	269,564
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	11,326
3.	Operating Availability:	
	a. Hours Unit Operated	744.0
	b. Hours Available	744.0
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	100.0
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

December-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)	311.9
	c. Net Demonstrated Capability (MW)	790.2
	d. Net Capability Factor (%)	37.9
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	2,355.2
	b. Gross Generation (MWH)	246,050
	c. Net Generation (MWH)	222,726
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,575
3.	Operating Availability:	
	a. Hours Unit Operated	553.2
	b. Hours Available	714.0
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	96.0
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

December 2024

Allowable BLI	Description	Amount
1200	Day-ahead Spot Market Energy	-
1200a		-
1205	Balancing Spot Market Energy	-
1205a		-
1210	Day-ahead Transmission Congestion	601,456.96
1210a		
1215	Balancing Transmission Congestion	(8,184.12)
1215a		
1218	Planning Period Congestion Uplift	
1218a		
1220	Day-ahead Transmission Losses	686,322.04
1220a		
1225	Balancing Transmission Losses	(96,485.03)
1225a		
1230	Inadvertent Interchange	(4,170.81)
1230a		
1250	Meter Error Correction	429.71
1250a		12,208.48
1260	Emergency Energy	
1260a		
1340	Regulation and Frequency Response Service Charge	47,495.48
1340a		(4,457.21)
1350	Energy Imbalance Service Charge	
1350a		
1360	Synchronized Reserve Charge	16,382.50
1360a		101.23
1370	Day-ahead Operating Reserve Charge	82,627.06
1370a		(0.25)
1375	Balancing Operating Reserve	46,958.82
1375a		(6,321.69)
1377	Synchronous Condensing Charge	
1377a		
1378	Reactive Services Charge	
1378a		
1400	Load Reconciliation for Spot Market Energy	
1400a		
1410	Load Reconciliation for Transmission Congestion	(0.41)
1410a		
1420	Load Reconciliation Transmission Losses	(0.01)
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	(551,178.75)
2211a		(0.08)
2215	Balancing Transmission	244,310.66
2215a		
2217	Planning Period Excess Congestion Credit	
2217a		
2218	Planning Period Congestion Uplift Credit	
2218a		
2220	Transmission Losses Credit	(294,026.04)
2220a		
2260	Emergency Energy Credit	
2260a		
2340	Regulation and Frequency Response Service Credit	(226,206.24)
2340a		(4.23)
2350	Energy Imbalance Service Credit	
2350a		
2360	Synchronized Reserve Credit	(1,429.54)
2360a		3.40
2370	Day-ahead Operating Reserve Credit	(4,074.92)
2370a		
2375	Balancing Operating Reserve Credit	(552.45)
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	(648.41)
2500a		
2510	Auction Revenue Rights	(834,290.40)
2510a		
2930	Generation Deactivation Credit	
2930a		

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

528,032.65