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March 15, 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 January, 2024 the required backup information for the fuel adjustment clause applied to customers' bills in the month of March, 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
January 2024

<u>Station and Supplier</u> (a)	<u>P</u> (b)	<u>D</u> (c)	<u>C</u> (c1)	<u>M</u> (d)	<u>ST</u> (e)	<u>Tons</u> (f)	<u>BTU</u> (g)	<u>No.</u> <u>MMBTU</u> (h)	<u>FOB Mine</u> <u>Price</u> (i)	<u>Cents Per</u> <u>MMBTU</u> (j)	<u>Trans Cost</u> <u>Per</u> (k)	<u>Cents Per</u> <u>MMBTU</u> (l)	<u>Delivered Cost</u> <u>Per</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)
TOTAL KENTUCKY POWER																	
ACNR Coal Sales, Inc.	P	03-00-22-003	A	C	WV	21,125.00	12,806	25.61	77.02	300.75	0.00	0.00	77.02	300.75	2.26	8.27	6.92
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	2,574.95	11,889	23.78	153.77	646.64	7.59	31.90	161.36	678.54	0.93	13.09	7.80
Alpha Thermal CS Company (C)	P	03-00-21-9M3	B	B	WV	1,570.00	12,673	25.35	74.78	294.99	10.36	40.86	85.14	335.85	0.95	8.39	8.71
Case Coal Sales,LLC	P	03-00-21-002	A	B	KY	1,582.05	11,844	23.69	87.93	371.15	17.78	75.04	105.70	446.19	0.74	10.57	9.06
BAMM, Inc.	P	03-00-21-003	A	B	KY	5,624.15	12,550	25.10	76.88	306.28	7.92	31.54	84.79	337.81	0.95	7.52	8.22
Alliance	P	03-00-22-9M3	A	B	WV	2,596.45	12,517	25.03	95.85	382.95	0.48	1.92	96.33	384.87	3.84	9.07	7.08
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	6,178.75	12,531	25.06	166.13	662.92	14.00	55.88	180.13	718.80	0.82	7.96	9.18
Blackhawk Coal Sales	P	03-00-23-9M1	A	B	WV	2,447.15	12,270	24.54	107.92	439.76	7.59	30.91	115.50	470.67	0.96	11.46	6.86
Blackhawk Coal Sales	P	03-00-23-9M2	A	B	WV	783.40	12,029	24.06	173.80	722.35	7.59	31.53	181.38	753.87	0.95	11.51	8.40
TOTAL SYSTEM WEIGHTED AVERAGE						44,481.90	12,583	25.17	98.64	393.95	4.96	20.08	103.60	414.02	1.71	8.78	7.62

(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
January 2024

	P B D	P O C						No.	FOB Mine		Trans Cost (A) (B)		Delivered Cost				
			P	M		Tons	BTU	MMBTU	Price	Cents Per	Per	Cents Per	Per	Cents Per	%	%	%
Station and Supplier	U	N	I	I	SI	Purchased	Per LB.	Per Ton	Per Ton	MMBTU	Ton	MMBTU	Ton	MMBTU	Sulfur	Ash	H2O
(a)	(b)	(c)	(c1)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
MITCHELL PLANT																	
Long Term Contracts:												(A) (B)					
ACNR Coal Sales, Inc.	P	03-00-22-003	A	C	WV	42,250.00	12,806	25.61	77.02	300.75	0.00	0.00	77.02	300.75	2.26	8.27	6.92
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	5,149.90	11,889	23.78	153.77	646.64	7.59	31.90	161.36	678.54	0.93	13.09	7.80
Alpha Thermal CS Company (C)	P	03-00-21-9M3	B	B	WV	3,140.00	12,673	25.35	74.78	294.99	10.36	40.86	85.14	335.85	0.95	8.39	8.71
Case Coal Sales,LLC	P	03-00-21-002	A	B	KY	3,164.10	11,844	23.69	87.93	371.15	17.78	75.04	105.70	446.19	0.74	10.57	9.06
BAMM, Inc.	P	03-00-21-003	A	B	KY	11,248.30	12,550	25.10	76.88	306.28	7.92	31.54	84.79	337.81	0.95	7.52	8.22
Alliance	P	03-00-22-9M3	A	B	WV	5,192.90	12,517	25.03	95.85	382.95	0.48	1.92	96.33	384.87	3.84	9.07	7.08
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	12,357.50	12,531	25.06	166.13	662.92	14.00	55.88	180.13	718.80	0.82	7.96	9.18
Station Weighted Average						82,502.70	12,613	25.22	96.66	385.00	4.76	19.22	101.41	404.21	1.77	8.57	7.65
Spot Market:																	
												(A) (B)					
Blackhawk Coal Sales	P	03-00-23-9M1	A	B	WV	4,894.30	12,270	24.54	107.92	439.76	7.59	30.91	115.50	470.67	0.96	11.46	6.86
Blackhawk Coal Sales	P	03-00-23-9M2	A	B	WV	1,566.80	12,029	24.06	173.80	722.35	7.59	31.53	181.38	753.87	0.95	11.51	8.40
Station Weighted Average						6,461.10	12,212	24.42	123.89	508.29	7.59	31.06	131.48	539.35	0.96	11.47	7.23
TOTAL STATION WEIGHTED AVERAGE						88,963.80	12,583	25.17	98.64	393.95	4.96	20.08	103.60	414.02	1.71	8.78	7.62

Notes

(A) There were demurrage charges of \$300 (\$150 KYPCo share) so the transportation costs reported for January 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-22-001	<u>M</u> <u>T</u> <u>T</u>	<u>Station</u> <u>Name</u> Mitchell	<u>Gal or</u> <u>Cu. Ft.</u> <u>Purchased</u> 240,051.00	<u>BTU per</u> <u>Unit</u> 138,100.00	<u>Delivered</u> <u>Cost Per Gal</u> 2.53	<u>Cents Per</u> <u>MMBTU</u> 1,831.33
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MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES

Kentucky Power Share of Oil Receipts	120,025.50
Mitchell Total Oil Receipts	240,051.00
Mitchell - Kentucky Power Oil Receipts Ratio	50.00%

Marathon Petroleum LP	P	03-FO-22-001	T	120,025.50
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(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
January 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	589,000	576,446	2,003,778.00	3.40	3.48	-
J ARON	-	P	Big Sandy	1,085,000	1,061,873	2,692,443.00	2.48	2.54	-
Prior Period Adjustment	-	P	Big Sandy	0	0	-5,000.00	0.00	0.00	-
Columbia Gas	173522 & 177527	P	Big Sandy			43,110.41	0.00		-
Columbia Gas - Reservation Fee	173522	P	Big Sandy			517,533.84	0.00		-
				<u>1,674,000</u>	<u>1,638,319</u>	<u>5,251,865.25</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
January-2024**

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		713,289.40	\$73,496,246.07	\$103.0385
Purchases		44,481.90	\$4,608,199.71	\$103.5972
Adjustments	1	<u>0.00</u>	<u>\$0.00</u>	<u>\$0.0000</u>
Sub-Total		757,771.30	\$78,104,445.78	\$103.0713
Less Coal Burned		<u>73,447.00</u>	<u>\$6,815,301.11</u>	<u>\$92.7921</u>
Ending Inventory		<u><u>684,324.30</u></u>	<u><u>\$71,289,144.67</u></u>	<u><u>\$104.1745</u></u>

1 No Coal Pile Survey Adjustment this reporting period.

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

GAS INVENTORY SCHEDULE

	<u>MMBTU</u>	<u>Amount</u>	<u>\$/MMBTU</u>
Beginning Inventory ⁽¹⁾	330,589.00	\$ 927,846.02	\$2.8066
Purchases	1,638,319.00	\$ 5,251,865.25	\$3.2056
Gas Sales	-526,000.00	\$ (1,211,052.50)	\$2.3024
Adjustments(Imbalance point usage)	0.00	\$ -	\$0.0000
Sub-Total	1,442,908.00	\$ 4,968,658.77	\$3.4435
Less Disposed			
Generation	1,065,474.00	\$ 3,597,123.70	\$3.3761
Loss or (Gain) on Sale	0.00	\$ 238,539.78	\$0.0000
Other(Tax expense)	0.00	\$ -	\$0.0000
Ending Inventory ⁽¹⁾	377,434.00	\$ 1,132,995.29	\$3.0018

⁽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
January-2024**

OIL INVENTORY SCHEDULE

	<u>Gallons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	279,098.07	\$811,133.47	\$2.9063
Purchases	120,025.50	\$303,552.19	\$2.5291
Adjustments	0.00	\$0.00	\$0.0000
Sub-Total	399,123.57	\$1,114,685.66	\$2.7928
Less Disposed			
Generation	74,893.50	\$209,165.03	\$2.7928
Chemical Cleaning/Other	0.00	\$0.00	\$0.0000
Ending Inventory	324,230.07	\$905,520.63	\$2.7928

**KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
January 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: JANUARY 2024

PURCHASES

TRANSACTION TYPE	BILLING COMPONENTS				
	MWH	FUEL CHARGE	DEMAND	OTHER CHARGES	TOTAL CHARGES
		(\$)	(\$)	(\$)	(\$)
SPOT MARKET ENERGY - BAL	55,735	2,816,392.80	0.00	0.00	2,816,392.80
SPOT MARKET ENERGY - DA	284,416	13,688,800.12	0.00	0.00	13,688,800.12
Subtotal:	340,152 ⁽¹⁾	16,505,192.92	0.00	0.00	16,505,192.92
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:	340,152	16,505,192.92	0.00	0.00	16,505,192.92

	MWH	Total Energy Charges
⁽¹⁾ SME PURCHASES - ALLOCATED TO SYSTEM SALES:	6,900	289,636.41
SME PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	333,251	16,215,556.51
ROCKPORT PURCHASES - ALLOCATED TO SYSTEM SALES:	0	0.00
ROCKPORT PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	0	0.00
	340,152	16,505,192.92
LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:	0	0.00
NET INCLUDABLE ENERGY CHARGES:	340,152	16,505,192.92

KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
MONTH ENDED: JANUARY 2024

SALES		BILLING COMPONENTS				
		SUPPLIED BY KPCO SOURCES		DEMAND	OTHER CHARGES	TOTAL CHARGES
		MWH	FUEL CHARGE			
TRANSACTION TYPE	KPCO DELIVERED MWH		(\$)	(\$)	(\$)	(\$)
SPOT MARKET ENERGY - BAL	13,561	13,561	474,198	0	(58,225)	415,973
SPOT MARKET ENERGY - DA	58	58	1,894	0	273	2,167
	13,619	13,619	476,092 ⁽¹⁾	0.00	(57,952)	418,140
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:	13,619	13,619	476,092	0	(57,952)	418,140
KPCo's other costs incurred, (other than fuel from Account 151):						17,007.64
AEP energy cost less the actual energy costs incurred by KPCo:						0.00
Difference (Total AEP energy charges - Total AEP energy costs):						(74,959)
Total (Other Charges):						(57,952)
SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)						476,092
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)					289,636	
Less: FUEL ALLOCATED TO SYSTEM SALES					289,636	-
INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)						476,092

FINAL SCHEDULE JANUARY 2024 COSTS - ACTUAL

KENTUCKY POWER COMPANY
FUEL COST SCHEDULE
MONTH ENDED: JANUARY 2024

(A) COMPANY GENERATION		BIG SANDY 1	MITCHELL 1 KP	MITCHELL 2 KP	FUEL AMOUNTS (\$)
COAL BURNED			604,978.92	6,210,322.19	6,815,301.11
OIL BURNED			133,508.58	75,656.45	209,165.03
(3)	GAS BURNED	3,597,123.50			3,597,123.50
FUEL (JOINTLY OWNED PLANT)					-----
(1)	FUEL (ASSIGNED COST DURING F.O.)				6,254,840.01
FUEL (SUBSTITUTE FOR F.O.)					-----
SUB-TOTAL					16,876,429.65
(B) PURCHASES					
IDENTIFIABLE FUEL COST - OTHER PURCHASES					16,505,192.92
IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES					0.00
(1)	IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)				8,603,885.39
(2)	IDENTIFIABLE FUEL COST (PEAKING UNIT EQUIVALENT)				526,130.44
SUB-TOTAL					7,375,177.09
(C) INTER-SYSTEM SALES					
FUEL COSTS					476,092.02
TOTAL FUEL COSTS (A + B - C)					23,775,514.71
F.O. = FORCED OUTAGE					
DETAILS:					
(1)	FUEL (ASSIGNED COST DURING FORCED OUTAGE)				
TOTAL REPLACEMENT (IDENTIFIABLE FUEL COST)					
FUEL COST DUE TO F.O.:		154,591,840 kWh	55.655	MILLS/kWh	8,603,885.39
TOTAL ALLOWABLE (IDENTIFIABLE FUEL COST)					
REPLACEMENT FUEL COST FOR F.O.:		154,591,840 kWh	40.460	MILLS/kWh	6,254,840.01
(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:1 Cycle:Actual) East Purchase Power Report for Book Name: JAN 2024 ACT EAST

=====	=====	=====	TOTAL			=====	ALLOCATED			=====	FIRM		=====
NERC Id	Transaction Class	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	0	0	0
PJM	SPOT MARKET ENERGY - BAL	55735.408	2816392.8	2816392.8	41.149	1377.64	1377.64	55694.259	2815015.16	2815015.16			
PJM	SPOT MARKET ENERGY - DA	284416.2	13688800.12	13688800.12	6859.059	288258.77	288258.77	277557.14	13400541.35	13400541.35			
Total		340151.608	16505192.92	16505192.92	6900.208	289636.4	289636.4	333251.4	16215556.52	16215556.52			

APPENDIX A

KENTUCKY POWER COMPANY BIG SANDY - TOTAL PLANT January 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)	173.1
	c. Net Demonstrated Capability (MW)	295.4
	d. Net Capability Factor (%)	47.1
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	1,065.5
	b. Gross Generation (MWH)	110,664
	c. Net Generation (MWH)	103,619
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,283
3.	Operating Availability:	
	a. Hours Unit Operated	598.7
	b. Hours Available	598.6
	c. Hours During the Period	744.0
	d. Availability Factor (%)	80.5
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (Cents/KWH)	3.5
	b. Net Generation - FAC Basis (Cents/KWH)	3.7
5.	Inventory Analysis:	
	a. Number of Days Supply based on actual burn at the station	NA

APPENDIX A

KENTUCKY POWER COMPANY MITCHELL - TOTAL PLANT January 2024

<u>Line No.</u>	<u>Item Description</u>		
1.	Unit Performance:		
		Total Mitchell	KPCo Share
a.	Capacity (name plate rating) (MW)	1,560.3	780.2
b.	Capacity (average load) (MW)	724.0	362.0
c.	Net Demonstrated Capability (MW)	1,560.3	780.2
d.	Net Capability Factor (%)	30.3	30.3
2.	Heat Rate:		
a.	Btu's Consumed (MMBTU ('000s))	3,657.1	1,828.6
b.	Gross Generation (MWH)	384,893	192,447
c.	Net Generation (MWH)	351,783	175,892
d.	Heat Rate (L2a divided by L2c) (BTU/KWH)	10,396	10,396
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)	3.5	3.5
b.	Net Generation - FAC Basis (Cents/KWH)	3.9	3.9
5.	Inventory Analysis:		
a.	Number of Days Supply based on 12 Month actual burn at the station	318.5	318.5

APPENDIX A

KENTUCKY POWER COMPANY
MITCHELL - UNIT 1
January 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)	287.3
	c. Net Demonstrated Capability (MW)	770.1
	d. Net Capability Factor (%)	4.7
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	316.0
	b. Gross Generation (MWH)	30,803
	c. Net Generation (MWH)	26,870
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	11,762
3.	Operating Availability:	
	a. Hours Unit Operated	93.5
	b. Hours Available	93.5
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	12.6
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
January 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)	436.7
	c. Net Demonstrated Capability (MW)	790.2
	d. Net Capability Factor (%)	55.3
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	3,341.1
	b. Gross Generation (MWH)	354,090
	c. Net Generation (MWH)	324,913
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,283
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 12 Month actual burn at the station	Reported on total plant basis only

January 2024

Allowable BLI	Description	Amount
1200	Day-ahead Spot Market Energy	-
1200a		-
1205	Balancing Spot Market Energy	-
1205a		-
1210	Day-ahead Transmission Congestion	285,659.61
1210a		
1215	Balancing Transmission Congestion	(416,001.77)
1215a		
1218	Planning Period Congestion Uplift	
1218a		
1220	Day-ahead Transmission Losses	1,181,256.05
1220a		
1225	Balancing Transmission Losses	(95,012.60)
1225a		
1230	Inadvertent Interchange	5,865.90
1230a		
1250	Meter Error Correction	(8,608.06)
1250a		42,993.61
1260	Emergency Energy	
1260a		
1340	Regulation and Frequency Response Service Charge	75,522.29
1340a		4.03
1350	Energy Imbalance Service Charge	
1350a		
1360	Synchronized Reserve Charge	31,578.98
1360a		1.11
1370	Day-ahead Operating Reserve Charge	240,076.14
1370a		0.04
1375	Balancing Operating Reserve	115,892.82
1375a		(2,066.17)
1377	Synchronous Condensing Charge	
1377a		
1378	Reactive Services Charge	
1378a		
1400	Load Reconciliation for Spot Market Energy	1,156.80
1400a		
1410	Load Reconciliation for Transmission Congestion	13.91
1410a		
1420	Load Reconciliation Transmission Losses	(9.17)
1420a		
1430	Load Reconciliation for Inadvertent Interchange	0.29
1430a		
1460	Load Reconciliation for Regulation and Frequency Response Service	8.18
1460a		
1470	Load Reconciliation for Synchronized Reserve	14.47
1470a		
1478	Load Reconciliation for Balancing Operating Reserve	1.65
1478a		
1480	Load Reconciliation for Synchronous Condensing	
1480a		
1490	Load Reconciliation for Reactive Services	
1490a		
1500	Financial Transmission Rights Auction	696,421.51
1500a		
1930	Generation Deactivation Charge	

1930a		
2210	Transmission Congestion Credit	
2210a		
2211	Day-ahead Transmission Congestion	(949,786.23)
2211a		2.47
2215	Balancing Transmission	311,132.03
2215a		39.85
2217	Planning Period Excess Congestion Credit	
2217a		54.83
2218	Planning Period Congestion Uplift Credit	
2218a		
2220	Transmission Losses Credit	(348,452.72)
2220a		(47.99)
2260	Emergency Energy Credit	
2260a		
2340	Regulation and Frequency Response Service Credit	(12,284.78)
2340a		(12.80)
2350	Energy Imbalance Service Credit	
2350a		
2360	Synchronized Reserve Credit	(4,046.74)
2360a		(3.29)
2370	Day-ahead Operating Reserve Credit	(12,827.18)
2370a		
2375	Balancing Operating Reserve Credit	(467.29)
2375a		1,048.99
2377	Synchronous Condensing Credit	
2377a		
2378	Reactive Services Credit	
2378a		
2415	Balancing Transmission Congestion Load Reconciliation	19.21
2415a		
2420	Load Reconciliation for Transmission Losses	(22.12)
2420a		
2500	Financial Transmission Rights Auction	
2500a		
2510	Auction Revenue Rights	(729,574.15)
2510a		
2930	Generation Deactivation Credit	
2930a		

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

409,541.71