

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_1 For the period from May 1, 2024, to October 31, 2024 (the last six months of the period under review), provide the amount of coal purchased in tons and the percentage of purchases that were spot versus contract.

RESPONSE

Please see KPCO_R_KPSC_1_1_Attachment1 for the requested information. For purposes of the Company's monthly fuel adjustment clause back-up filings, Kentucky Power defines a spot purchase as an agreement with a term of one year or less. To permit the Commission to reconcile this response to the Company's fuel adjustment clause backup filings, the term "spot purchase" is likewise defined for purposes of KPCO_R_KPSC_1_1_Attachment1 as any purchase with a term of one year or less.

Witness: Kimberly K. Chilcote

Counterparty	Type of Purchase	Total Tons ¹
ACNR Coal Sales, Inc.	Contract	230,740
Alliance	Contract	213,151
Alpha Thermal CS Company (C)	Contract	53,579
BAMM, Inc.	Contract	41,890
Blackhawk Coal Sales	Contract	85,533
Blackhawk Coal Sales	Contract	82,080
Pocahontas Sales and Logistics	Contract	44,677
TOTAL		751,650
Total Contract		100%
Total Spot		0%

¹Tons are total for the agreement not the Kentucky Power share.

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_2 For the last six months of the period under review, list each coal purchase made under a long-term contract (one year or greater). For each purchase, list the following:

- a. Contract or purchase order number;
- b. The supplier's name;
- c. The location(s) of production facilities from which the coal is sourced;
- d. The method of delivery, (i.e., barge, truck, rail, or other);
- e. The actual quantity received during the review period; and
- f. Current price paid per ton.

RESPONSE

- a. – f. Please see KPCO_R_KPSC_1_2_Attachment1 for the requested information. For purposes of the Company's monthly fuel adjustment clause back-up filings, Kentucky Power defines a long-term contract as an agreement with a term of more than one year. To permit the Commission to reconcile this response to the Company's fuel adjustment clause back-up filings, the term "long-term contract" is likewise defined for purposes of KPCO_R_KPSC_1_2_Attachment1 as any purchase with a term of more than one year.

Witness: Kimberly K. Chilcote

This response is provided for the time period of May 1, 2024 through October 31, 2024 and lists all pertinent fuel contract information requested. Tonnage information is reported for the agreement not the Kentucky Power share.

a.	b.	c.	d.	e.	f.
Contract/Purchase Order No.	Supplier Name	Location of Production Facilities	Method of Delivery	Tonnage Quantity Received During Review Period	Price Paid per Ton
03-00-21-003	BAMM, Inc.	MATTCO#1 Plant Mine- Floyd, KY PRIME MET/ED Sk Pop St, Wy, WV	Barge	41,890	\$72.30
03-00-21-9M3	Alpha Thermal Coal Sales Co., LLC	Republic Energy Mine - WV	Barge	53,579	\$73.09
03-00-21-9M4	Blackhawk Coal Sales, LLC	Blue Creek Mine - Kanawha, WV	Barge	85,533	\$72.55
03-00-22-9M3	Alliance Coal, LLC	Tunnel Ridge Mine-Ohio, WV	Barge	213,151	\$81.18
03-00-23-002	Pocahontas Sales and Logistics LLC	Various Mines-Boone/Fayette,WV	Barge	44,677	\$152.47
03-00-23-9M3	Blackhawk Coal Sales, LLC	Blue Creek Mine - Kanawha, WV	Barge	82,080	\$144.93
07-77-05-900	ACNR Coal Sales, INC.	McElroy Mine - Marshall, WV	Conveyor Belt	230,740	\$45.26

Note 1 Reflects weighted average cost \$/ton FOB receipt point.

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025
Page 1 of 2

DATA REQUEST

KPSC 1_3

- a. As of the last day of the review period, state the coal inventory level in tons and in number of days' supply. Provide this information by generating station and in the aggregate.
- b. Describe the criteria used to determine the number of days' supply.
- c. State the target coal inventory level for each generating station and for the total system.
- d. If actual coal inventory exceeds the target inventory by ten days' supply, state the reasons for the excessive inventory.
 - (1) State whether any significant changes in the current coal inventory target are expected within the next 12 months.
 - (2) If so, state the expected change and the reasons for this change.

RESPONSE

- a. As of October 31, 2024 Kentucky Power's actual coal inventory levels (Company share) were as follows:
Mitchell High Sulfur*: 280,096 tons 51 Days of Supply
Mitchell Low Sulfur*: 348,943 tons 132 Days of Supply
*Company share
- b. Days' supply is determined by dividing the Company's share of tons of coal in storage by the Company's full load burn rate (tons per day).
Mitchell High Sulfur:
280,096 tons in storage as of 10/31/2024 = 51 days
5,478 (full load burn rate* - tons per day)
- Mitchell Low Sulfur:
348,943 tons in storage as of 10/31/2024 = 132 days
2,683 (full load burn rate* - tons per day)
*Company share

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025
Page 2 of 2

c. As of October 31, 2024,
Mitchell High Sulfur:
Target Inventory - 35 Days
Actual Inventory Days - 51 Days
Days Over/(Under) Target – 16 Days

Mitchell Low Sulfur:
Target Inventory - 35 Days
Actual Inventory Days – 132 Days
Days Over/(Under) Target – 97 Days

d. Decrease in coal burn due to lower natural gas and power prices, inventories began to grow at the end of 2022 and increased throughout 2023 and 2024 to above target levels for Mitchell.

(1) and (2) No. Kentucky Power does not expect any significant changes in the coal inventory target for the Mitchell plant within the next 12 months.

Witness: Kimberly K. Chilcote

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_4 List each written coal-supply solicitation issued during the last six months of the period under review.

- a. For each solicitation, provide the date of the solicitation, the type of solicitation (contract or spot), the quantities solicited, a general description of the quality of coal solicited, the period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
- b. For each solicitation, state the number of vendors to whom the solicitation was sent, the number of vendors who responded, and the selected vendor(s). Provide the bid tabulation sheet or corresponding document that ranks the proposals. (This document shall identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

RESPONSE

a. and b. Please refer to KPCO_R_KPSC_1_4_Attachment1 for the requested information concerning the Company's July 9, 2024, written coal-supply solicitation other than the offering vendors, analyses, and ranked proposals for the solicitation.

Please also refer to KPCO_R_KPSC_1_4_ConfidentialAttachment2 (July 9, 2024 RFP) for information relating to the offering vendors, analyses, and ranked proposals.

Witness: Kimberly K. Chilcote

July 9, 2024 Summary

Low Sulfur Details

Date of Solicitation	July 9, 2024
Quantities Solicited (Tons)	Open Ended Volume
Type of Solicitation	Spot and Contract
Coal Heat Content (BTU/lb)	12,000
Sulfur (#SO2/mmbTU)	1.67 max
Period(s) of Request	2025 2026
Applicable Generating Units	Mitchell Plant
Number of Vendors Solicited	Publicly Posted and Emailed to over 70 contacts
Number of Vendor Responses	2025: 4 2026: 3
Number of Vendors Selected	2025: 0 2026: 0

High Sulfur Details

Date of Solicitation	July 9, 2024
Quantities Solicited (Tons)	Open Ended Volume
Type of Solicitation	Spot and Contract
Coal Heat Content (BTU/lb)	11,500
Sulfur (#SO2/mmbTU)	7.40 max
Period(s) of Request	2025 2026 2027
Applicable Generating Units	Mitchell Plant
Number of Vendors Solicited	Publicly Posted and Emailed to over 70 contacts
Number of Vendor Responses	2025: 4 2026: 3 2027: 3
Number of Vendors Selected	2025: 0 2026: 1 2027: 1

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_5 List each oral coal-supply solicitation issued during the last six months of the period under review.

- a. For each solicitation, state why the solicitation was not written, the date(s) of the solicitation, the quantities solicited, a general description of the quality of coal solicited, the period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
- b. For each solicitation, identify all vendors solicited and the vendor(s) selected. Provide the bid tabulation sheet or other document that ranks the proposals. (This document shall identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

RESPONSE

a. and b. There were no oral coal supply solicitations issued during the last six months of the period under review

Witness: Kimberly K. Chilcote

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_6 For the last six months of the period under review, list each vendor from whom natural gas was purchased for generation and the quantities and the nature of each purchase (i.e., spot or contract). Provide the percentage of purchases that were spot versus contract.

RESPONSE

Please see KPCO_R_KPSC_1_6_Attachment1 for the requested information.

Witness: Clinton M. Stutler

KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025
Item No. 6
Attachment 1
Page 1 of 1

Natural Gas Purchases
May 1, 2024 - October 31, 2024

Counterparty	Type of Purchase	Gross MMBTUs
DTE Energy Trading, Inc.	Contract	2,693,000
DTE Energy Trading, Inc.	Spot	302,000
Emera Energy Services, INC.	Spot	10,000
Interstate Gas Supply, Inc	Spot	10,000
J. Aron & Company	Contract	3,432,634
J. Aron & Company	Spot	5,000
Macquarie Energy LLC	Spot	763,848
Mercuria Energy American, Inc.	Spot	16,700
Sequent Energy Management, L.P.	Spot	85,700
VITOL Inc.	Spot	15,000

Grand Total	7,333,882
--------------------	------------------

Total Contract	84%
Total Spot	16%

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_7 For the last six months of the period under review, state whether there were any instances in which a natural gas generating unit could not be operated when it otherwise would have run due to pipeline constraints or natural gas being unavailable.

RESPONSE

During the last six months of the period under review, there were no instances in which a natural gas generating unit could not be operated, when it otherwise would have run, due to pipeline constraints or natural gas being unavailable.

Witness: Clinton M. Stutler

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_8 For the last six months of the period under review, state whether there have been any changes to hedging activities for coal or natural gas purchases used for generation since the previous Fuel Adjustment Clause (FAC) review proceeding. If so, describe the changes in detail.

RESPONSE

There have been no changes since Kentucky Power began its comprehensive energy hedging program in 2023. To date, Kentucky Power continues to forecast weather-normalized customer load by month over a rolling period and compares available fixed-cost resources in each month to that load. At predetermined milestones, Kentucky Power secures fixed-price fuel, physical coal and physical natural gas, to cover “target hedge percentages” of the weather-normalized customer load. These target hedge percentages increase over time to result in a larger portion of the cost of customer load becoming fixed. At each milestone, the lowest cost available alternative is chosen for procurement. Through this “layering” of resources, Kentucky Power also diversifies the market risk of procuring fixed-price fuel over time. This comprehensive hedging program provides fuel cost certainty and stability for customers, with the intent of helping to levelize fuel costs.

For further discussion of the respective programs for purchasing coal and natural gas, please see the Testimony of Company Witnesses Chilcote and Stutler that are filed simultaneously with the responses to these data requests.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_9

- a. State whether Kentucky Power has audited any of its fuel or transportation contracts during the last six months of the period under review.
- b. If so, for each audited contract:
 - (1) Identify the contract;
 - (2) Identify the auditor; and
 - (3) State the results of the audit and describe the actions that Kentucky Power took as a result of the audit.

RESPONSE

- a. and b. Kentucky Power did not audit any of its fuel or fuel transportation contracts during the last six months of the period under review.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_10

- a. State whether Kentucky Power is currently involved in any litigation with its current or former fuel suppliers or transportation vendors.
- b. If yes, for each litigation:
 - (1) Identify the supplier or vendor;
 - (2) Identify the contract involved;
 - (3) State the potential liability or recovery to Kentucky Power;
 - (4) List the issues presented; and
 - (5) Provide a copy of the complaint or other legal pleading that initiated the litigation and any answers or counterclaims. If a copy has previously been filed with the Commission, provide the date on which it was filed and the case in which it was filed.
- c. State the current status of all litigation with suppliers or vendors.

RESPONSE

- a. – c. Kentucky Power is not currently involved in any litigation with current or former fuel suppliers or transportation vendors related to fuel or fuel transportation matters.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_11

- a. For the last six months of the period under review, state whether there have been any changes to Kentucky Power's written policies and procedures regarding its fuel procurement.
- b. If yes:
 - (1) Describe the changes;
 - (2) Provide the written policies and procedures as changed;
 - (3) State the date(s) the changes were made; and
 - (4) Explain why the changes were made.
- c. If no, provide the date Kentucky Power's current fuel procurement policies and procedures were last changed, when they were last provided to the Commission, and identify the proceeding in which they were provided.

RESPONSE

- a. There were no changes to Kentucky Power's written policies and procedures regarding its fuel procurement during the last six months of the review period.
- b. Not applicable.
- c. The last change Kentucky Power made to its fuel procurement policies and procedures had an effective date of September 30, 2023. These were provided to the Kentucky Public Service Commission in Case No. 2024-00144 in Staff's first set request number eleven dated August 26, 2024.

Witness: Clinton M. Stutler

Witness: Kimberly K. Chilcote

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_12 For the last six months of the period under review and for the years 2025, 2026 and 2027, list all firm power commitments for Kentucky Power for (a) purchases and (b) sales. This list shall identify the electric utility, the amount of commitment in MW, and the purpose of the commitment (i.e., peaking, emergency, etc.).

RESPONSE

a. Firm power purchases: The Company did not have any purchases for delivery year 23/24. There was one transaction for 80 MW with Gridflex for delivery year 24/25 at \$54.00/MW-Day to support sufficient MW to satisfy the Company's PJM Load Obligation. The Company does not currently have any contracts for delivery years 25/26, 26/27, or 27/28.

b. Firm power sales: During the last six months of the review period, the Company had commitments to sell wholesale power to the Cities of Olive Hill and Vanceburg Kentucky, as shown below. The numbers listed below represent the customer's actual peak load for the period May 2024 through October 2024. The cities use the power for load-following service to their citizens.

	May 2024 – October 2024
City of Olive Hill	4.6 MW
City of Vanceburg	10.6 MW

Kentucky Power's wholesale contracts with Olive Hill and Vanceburg expired at the end of May 2025; thus, the Company does not currently have any firm power commitments and does not expect to have any for the remainder of 2025, 2026, and 2027.

Witness: Jason M. Stegall

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_13 Provide a monthly billing summary of sales to all electric utilities for the last six months of the period under review.

RESPONSE

Please see KPCO_R_KPSC_1_13_Attachment1 for the requested information.

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_14 Provide a list, in chronological order, showing by unit, any scheduled, actual, and forced outages between for the last six months of the period under review. Provide a key for any information that is abbreviated.

RESPONSE

Please see KPCO_R_KPSC_1_14_Attachment1 for the list of outages for the last six months of the review period.

Witness: David L. Mell (Big Sandy)

Witness: Joshua D. Snodgrass (Mitchell)

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_15 For the last six months of the period under review, provide the monthly capacity factor at which each generating unit operated.

RESPONSE

Please see KPCO_R_KPSC_1_15_Attachment1 for the capacity factors.

Witness: David L. Mell (Big Sandy)

Witness: Joshua D. Snodgrass (Mitchell)

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_16

- a. For the last six months of the period under review, explain whether Kentucky Power made any changes to its maintenance and operation practices or completed any specific generation efficiency improvements that affect fuel usage at Kentucky Power's generation facilities.
- b. Describe the impact of these changes on Kentucky Power's fuel usage.

RESPONSE

- a. and b. For the period under review, the Company did not make any changes to its maintenance and operations practices, or complete any specific generation efficiency improvements that affect fuel usage at its generation facilities.

Witness: David L. Mell (Big Sandy)

Witness: Joshua D. Snodgrass (Mitchell)

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_17 For the last six months of the period under review provide the hour by hour availability of each generating unit availability, how the unit had been bid into the day ahead market, whether the unit was operating, and if operating the minimum (economic or operational) and maximum capacity of the unit.

RESPONSE

Please see KPCO_R_KPSC_1_17_Attachment1 for the hourly commitment status, economic minimum, and economic maximum for the Mitchell and Big Sandy units from May 1, 2024 through October 31, 2024.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_18 State whether Kentucky Power is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the last six months of the period under review.

RESPONSE

Kentucky Power is not aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the review period.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_19 State whether Kentucky Power is aware of any violations of 807 KAR 5:056 that occurred prior to or during the last six months of the period under review.

RESPONSE

Kentucky Power is not aware of any such violations.

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_20 Describe the effect on the FAC calculation of line losses related to:

- a. Intersystem sales when using a third-party transmission system; and
- b. Intersystem sales when not using a third-party transmission system.

RESPONSE

a. Beginning on June 1, 2007, based on FERC Order EL06-055, PJM modified the Locational Marginal Pricing (LMP) approach to calculate transmission line loss costs on a marginal basis. The new LMP calculation reflects the full marginal cost of serving an increment of load at each bus from each resource associated with an eligible energy offer. The LMP price will be the sum of three separate components: System Energy Price, Congestion Price, and Loss Price. Therefore, each spot market energy customer pays an energy price that includes the full marginal cost of energy for delivering an increment of energy to the purchaser's location. Market buyers are assessed for their incremental impact on transmission line losses resulting from total load scheduled to be served from the PJM Spot Energy Market in the day-ahead energy market at the same day-ahead loss price applicable at the relevant load bus.

Market sellers are assessed for their incremental impact on transmission line losses resulting from energy scheduled for delivery in the day-ahead market at the day-ahead loss prices applicable to the relevant resource bus.

Transactions are balanced in the real-time market using the same calculation, but are based on deviation at each bus from the day-ahead using the real time loss price.

b. Kentucky Power conducts intersystem sales through its participation in the PJM wholesale markets. Please refer to part (a) for a description of the effect of losses on intersystem sales on the FAC calculation.

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_21 State whether all fuel contracts related to commodity and transportation have been filed with the Commission. If any contracts have not been filed, explain why they have not been filed and provide a copy.

RESPONSE

All such contracts have been filed with the Commission.

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_22 For each generating station, state the methods of coal delivery currently available.

RESPONSE

The Mitchell generating facility has the capacity to receive coal deliveries via barge and conveyor belt. The Company further notes conveyor belt deliveries are only applicable to one coal supplier.

Witness: Kimberly K. Chilcote

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_23 If a change in the base fuel cost is proposed, state the month to be used as the base period (b). If the base period results in a fuel cost other than one representative of current costs as prescribed by 807 KAR 5:056, Section 1(2), explain why this base period was selected. If no change is proposed, include an explanation of the reason(s) Kentucky Power believes the current base period fuel cost should remain unchanged.

RESPONSE

Please see the Direct Testimony of Company Witness Kahn at pages five through nine for the full explanation of the Company's decision to maintain the current base fuel rate.

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_24 Provide a calculation of the fossil fuel costs F(b) that Kentucky Power proposes to use to calculate the base period fuel cost. This calculation shall show each component of F(b) as defined by 807 KAR 5:056. Explain why the fuel cost in the selected base period is representative of the level of fuel cost currently being experienced by Kentucky Power.

RESPONSE

As explained in the Direct Testimony of Company Witness Kahn at pages five through nine the Company proposes to maintain the current base fuel rate and therefore will continue to use the calculation of the fossil fuel costs F(b) approved in Case No. 2023-00008.

Please see KPCO_R_KPSC_1_24_Attachment1 for the Company's current calculation for the base period fuel cost.

Witness: Lerah M. Kahn

Page 5 of 5

KENTUCKY POWER COMPANY

**FINAL
FUEL COST SCHEDULE**

Month Ended: January 2022

A. Company Generation

Coal Burned	(+)	\$5,947,315
Oil Burned	(+)	231,661
Gas Burned	(+)	6,920,528
Fuel (jointly owned plant)	(+)	0
Fuel (assigned cost during Forced Outage)	(+)	0
(0 KWH X \$0.000000)	(+)	0
Fuel (substitute for Forced Outage)	(-)	0
		<u>13,099,504</u>
		Sub-total

B. Purchases

Net Energy Cost - Economy Purchases	(+)	0
Identifiable Fuel Cost - Other Purchases	(+)	13,275,976
Identifiable Fuel Cost (substitute for Forced Outage)	(-)	0
(0 KWH X \$0.000000)	(-)	0
Purchase Adjustment for Peaking Unit Equivalent	(-)	665,115 (1)
		<u>12,610,862</u>
		Sub-total

C. Inter-System Sales Fuel Costs

5,655,213

D. SUB-TOTAL FUEL COST (A + B - C)

\$20,055,154

E. Fuel-Related PJM Billing Line Items

January 2022

(525,969)

F. GRAND TOTAL FUEL COSTS (D + E)

\$19,529,185

(1) As calculated in accordance with KPSC 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.

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_25 Provide a schedule showing each component of sales as defined by 807 KAR 5:056 in the selected base period (b). Explain why Kentucky Power believes that the sales in the selected base period (b) are representative of the level of kWh sales that Kentucky Power will derive from the level of fuel cost incurred during the selected base period (b).

- a. Separately provide the amounts of power purchases used in the calculation of sales provided.
- b. Separately provide the amounts of intersystem power sales used in the calculation of sales provided.

RESPONSE

- a. and b. As explained in the Direct Testimony of Company Witness Kahn at pages five through nine the Company proposes to maintain the current base fuel rate and therefore has not selected a new base period.

Please see KPCO_R_KPSC_1_25_Attachment1 for a schedule of sales for the current base period approved in Case No. 2023-00008.

Witness: Lerah M. Kahn

Page 3 of 5

KENTUCKY POWER COMPANY

SALES SCHEUDLE

Month Ended: January 2022

		<u>Kilowatt-Hours</u>
A. Generation (Net)	(+)	439,237,000
Purchases Including Interchange In	(+)	<u>255,014,000</u>
Sub Total		694,251,000
 B. Pumped Storage Energy	(+)	0
Inter-System Sales Including Interchange Out	(+)	82,158,000
System Losses	(+)	<u>34,316,487</u> *
Sub Total		<u>116,474,487</u>
 Total Sales (A - B)		<u><u>577,776,513</u></u>

* Does not include 658,513 KWH of company usage.

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_26 Provide a schedule showing the calculation of Kentucky Power's increase or decrease in its base fuel cost per kWh to be incorporated into its base rate.

RESPONSE

As explained in the Direct Testimony of Company Witness Kahn at pages five through nine the Company proposes to maintain the current base fuel rate and therefore there is no increase or decrease.

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_27 Provide a schedule of the present and proposed rates that Kentucky Power seeks to change pursuant to 807 KAR 5:056, shown in comparative form.

RESPONSE

As explained in the Direct Testimony of Company Witness Kahn at pages five through nine the Company proposes to maintain the current base fuel rate and therefore there is no change.

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_28 Provide a copy of the current tariff showing by cross-outs and inserts all proposed changes in rates.

RESPONSE

As explained in the Direct Testimony of Company Witness Kahn at pages five through nine the Company proposes to maintain the current base fuel rate and therefore there is no change.

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_29 For the years ending 2023 and 2024, provide:

- a. Maximum annual system demand; and
- b. Average annual demand.

RESPONSE

Please see the below table for the requested information.

Year Ending	(a) Maximum Peak Demand	(b) Average Peak Demand
2023	1,359	957
2024	1,288	942

Witness: Lerah M. Kahn

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_30

- a. Provide a schedule of the calculation of the 12-month average line loss by month for November 2022 through October 2024.
- b. Describe the actions that Kentucky Power has taken to reduce line loss during this period.

RESPONSE

- a. Please see KPCO_R_KPSC_1_30_Attachment1.
- b. The Company works to reduce line losses by increasing conductor size, installing more efficient transformers, employing a reactive energy corrective program, and increasing the operating voltage levels of transmission and distribution lines as reliability and capacity needs arise. These actions reduce losses at constant load and help limit losses for additional load.

Witness: Lerah M. Kahn

Month	Year		Total Energy Disposed	Assoc. Company Interchange	System Sales for Resale	Internal Energy Disposed	Energy Lost & Unaccounted	% Line Loss Internal
(1)	(2)		(3)	(4)	(5)	6=(3)-(4)-(5)	(7)	(8)=(7)/(6)
November	22	current month	484,274	-	17,615	466,659	27,722	5.941%
		12 mos. ending	6,263,847	-	540,535	5,723,312	324,039	5.662%
December	22	current month	589,541	-	28,200	561,341	30,803	5.487%
		12 mos. ending	6,328,577	-	532,073	5,796,504	320,922	5.536%
January	23	current month	564,241	-	36,825	527,416	20,902	3.963%
		12 mos. ending	6,198,567	-	486,706	5,711,861	306,072	5.359%
February	23	current month	458,485	-	14,970	443,515	20,293	4.575%
		12 mos. ending	6,134,152	-	475,739	5,658,413	293,509	5.187%
March	23	current month	506,720	-	31,841	474,879	15,748	3.316%
		12 mos. ending	6,158,723	-	494,246	5,664,477	281,895	4.977%
April	23	current month	416,963	-	8,412	408,551	21,455	5.251%
		12 mos. ending	6,093,774	-	433,215	5,660,559	277,643	4.905%
May	23	current month	444,303	-	22,433	421,870	27,124	6.429%
		12 mos. ending	6,056,597	-	412,319	5,644,278	317,109	5.618%
June	23	current month	493,660	-	53,798	439,862	38,998	8.866%
		12 mos. ending	6,019,175	-	412,182	5,606,993	286,583	5.111%
July	23	current month	639,811	-	136,516	503,295	20,881	4.149%
		12 mos. ending	6,048,595	-	446,534	5,602,061	274,769	4.905%
August	23	current month	535,477	-	44,066	491,411	24,612	5.008%
		12 mos. ending	6,006,244	-	410,189	5,596,055	280,235	5.008%
September	23	current month	447,283	-	13,956	433,327	38,219	8.820%
		12 mos. ending	6,017,859	-	417,076	5,600,783	292,450	5.222%
October	23	current month	423,058	-	17,792	405,266	-12,106	-2.987%
		12 mos. ending	6,003,816	-	426,423	5,577,393	274,651	4.924%
November	23	current month	480,597	-	13,786	466,811	30,842	6.607%
		12 mos. ending	6,000,139	-	422,594	5,577,545	277,771	4.980%
December	23	current month	537,406	-	52,216	485,190	9,236	1.904%
		12 mos. ending	5,948,004	-	446,610	5,501,394	256,204	4.657%
January	24	current month	624,326	-	-29,247	653,573	81,657	12.494%
		12 mos. ending	6,008,089	-	380,538	5,627,551	316,959	5.632%
February	24	current month	499,371	-	38,386	460,985	12,642	2.742%
		12 mos. ending	6,048,975	-	403,954	5,645,021	309,308	5.479%
March	24	current month	494,330	-	45,936	448,394	942	0.210%
		12 mos. ending	6,036,585	-	418,049	5,618,536	294,502	5.242%
April	24	current month	413,008	-	-7,042	420,050	34,478	8.208%
		12 mos. ending	6,032,630	-	402,596	5,630,034	307,525	5.462%
May	24	current month	453,340	-	20,799	432,541	-7,265	-1.680%
		12 mos. ending	6,041,667	-	400,962	5,640,705	273,136	4.842%
June	24	current month	574,625	-	90,953	483,672	54,914	11.354%
		12 mos. ending	6,122,632	-	438,118	5,684,514	289,052	5.085%
July	24	current month	558,726	-	57,238	501,488	22,284	4.444%
		12 mos. ending	6,041,547	-	358,839	5,682,708	290,455	5.111%
August	24	current month	536,186	-	49,751	486,435	11,088	2.279%
		12 mos. ending	6,042,256	-	364,524	5,677,732	276,931	4.877%
September	24	current month	429,889	-	10,901	418,988	33,651	8.032%
		12 mos. ending	6,024,862	-	361,470	5,663,392	272,363	4.809%
October	24	current month	449,679	-	28,730	420,949	3,507	0.833%
		12 mos. ending	6,051,483	-	372,408	5,679,075	287,976	5.071%

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_31 Describe in detail any hedging or hedging related activities that Kentucky Power uses in relation to power purchases. Include an explanation as to whether the Commission approved the hedging activities, or the utility implemented hedging pursuant to internal company policies. If the hedging was pursuant to internal policies, provide a copy of the policy and an explanation of how long the hedging activity has been ongoing.

RESPONSE

The Company proposed a financial hedging program in Case No. 2023-00159 which was denied by the commission in the final order. In calendar months where a unit has an outage of ten days or more, financial hedging of power has been utilized. Outside of those situations, the Company has not purchased financial hedges since receiving the final order.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_32 Provide the most recent projected fuel requirements for the years 2025, 2026, and 2027 in tons for coal, MMBtu for natural gas, and dollars.

RESPONSE

Please see KPCO_R_KPSC_1_32_ConfidentialAttachment1 for the 2025 actual consumption and forecasted consumption for years 2026 through 2027 in tons and dollar for coal; and

Please see KPCO_R_KPSC_1_32_ConfidentialAttachment2 for the 2025 actual consumption and forecasted consumption for years 2026 through 2027 in MMBTUs and dollars for natural gas.

Note that these forecasts were made as of October 24, 2025.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_33 Provide the most recent sales projections for the years 2025, 2026, and 2027 in kWh and dollars.

RESPONSE

KPCO_R_KPSC_1_33_ConfidentialAttachment1 provides the actual (2025) and projected (2026 and 2027) energy sales and revenues by sector for Kentucky Power Company.

Witness: Lerah M. Kahn

Kentucky Power Company
Forecast Energy Sales (kWh) and Revenues (\$)

	Energy Sales (kWh)		
	2025	2026	2027
Residential	1,877,396,519	1,880,506,108	1,870,371,508
Commercial	1,389,672,610	1,425,391,265	1,421,164,986
Industrial	1,917,082,040	1,946,026,892	1,940,291,479
Other Retail	7,669,110	8,529,763	8,509,478
Total Retail	5,191,820,278	5,260,454,028	5,240,337,451
FERC Municipal	32,235,211	-	-
Total Sales	5,224,055,490	5,260,454,028	5,240,337,451

	Energy Revenues (\$)		
	2025	2026	2027
Residential			
Commercial			
Industrial			
Other Retail			
Total Retail			
FERC Municipal			
Total Sales			

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_34 Provide the planned maintenance schedule for each of the generating units for the years 2025, 2026, and 2027.

RESPONSE

Please see KPCO_R_KPSC_1_34_ConfidentialAttachment1 for the requested information.

Witness: David L. Mell (Big Sandy)

Witness: Joshua D. Snodgrass (Mitchell)

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_35 Identify any issues that could affect fuel costs for the two-year period that remain unresolved or unsettled. Include in the response any issues related to billings from a regional transmission operator. Consider this a continuing request to inform the Commission if Kentucky Power becomes aware of any issues during the course of this proceeding.

RESPONSE

There are no issues known at this time.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025
Page 1 of 2

DATA REQUEST

KPSC 1_36 Provide the number of Kentucky Power's coal purchase contracts that included transportation costs and those that did not from November 1, 2022, through October 31, 2024.

- a. Explain how it is determined whether transportation costs will be included in the coal purchase contract.
- b. When transportation is contracted for separately from the coal contract, explain whether Kentucky Power issues requests for proposals (RFP) for this service.
 - (1) If yes, state how often this occurs, how many vendors are included in the RFP, and how is it determined which vendors will receive the RFP.
 - (2) State whether Kentucky Power uses or contracts with any related parties for transportation of its coal purchases. If yes, provide the name of the related party and nature of the relationship, the period it has contracted with the party, and copies of any contracts with the related party if not previously filed with the Commission.
- c. Explain in detail Kentucky Power's policies and procedures for entering into transportation contracts.

RESPONSE

- a. Kentucky Power did not have any coal purchase contracts during the period November 1, 2022 through October 31, 2024 that included transportation costs. All purchases during the Review Period made by Kentucky Power were procured on a FOB Barge or Conveyor belt basis.
- b. Kentucky Power does not issue Requests for Proposals for transportation services.
 - (1) Not applicable.

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025
Page 2 of 2

(2) Kentucky Power utilizes Indiana Michigan Power Company's River Transportation Division ("Division") for barge deliveries to the Mitchell Plant. During the Review Period, an amendment to the contract was executed to include Wheeling Power Company as a party to the contract. The contract is and remains for an undefined term. It is terminable upon written notice by Kentucky Power to the Division not less than six months prior to the termination date specified in the notice. Please see KPCO_R_KPSC_1_36_Attachment1 for a copy of the contract and the three associated amendments.

c. Kentucky Power reviews the reasonableness of the Barge Transportation Agreement periodically by comparing published barge transportation terms with those under the Barge Transportation Agreement to determine the reasonableness of the Barge Transportation Agreement. The comparison considers factors such as volume, assets required, equipment lease costs, number of rivers transited, origins and destination, number of locks and dams transited.

Witness: Kimberly K. Chilcote

SEP-26-2003 15:11

COAL LOGISTICS

614 583 1619 P.02

BARGE TRANSPORTATION AGREEMENT

THIS AGREEMENT, dated as of the 1st day of May, 1986 (the "Agreement"), among Appalachian Power Company, a Virginia corporation (APCo), Ohio Power Company, an Ohio corporation (OPCo), AEP Generating Company, an Ohio corporation (AEPGC) and such other direct or indirect subsidiary company of American Electric Power Company, Inc. as shall become a party hereto with the consent of the above parties by executing and delivering to such parties a counterpart of this Agreement (collectively the Shippers and individually a Shipper) and Indiana & Michigan Electric Company, an Indiana corporation (I&MECo),

WITNESSETH THAT:

WHEREAS, since September 4, 1973, the River Transportation Division of I&MECo (the Division) has operated towboats, barges and other facilities for the transportation of coal on the Kanawha, Green and Ohio Rivers and other navigable waterways to coal-fired steam electric generating stations of APCo, OPCo, AEPGC and I&MECo, which stations require large quantities of coal which can be delivered to such stations in river barges; and

WHEREAS, Shippers desire the Division to continue transportation of coal in barges to their coal unloading docks and are willing to contract with the Division for the transportation of coal during the term of this Agreement, at the prices,

SEP-26-2003 15:11

COAL LOGISTICS

614 583 1619 P.03

and upon the other terms and conditions hereinafter set forth;
and

WHEREAS, the Division desires to continue transporting coal in barges to coal unloading docks of Shippers and is willing to contract with Shippers for the transportation of coal for Shippers during the term of this Agreement, at the prices, and upon the other terms and conditions hereinafter set forth (which are essentially the same as the terms and conditions under which coal transportation services have been provided to Shippers by the Division for a number of years);

NOW, THEREFORE, in consideration of the foregoing and the covenants and agreements of the parties hereto as herein stated, each Shipper hereby severally agrees to furnish and deliver coal or cause coal to be furnished and delivered to the Division at loading points on the Ohio, Kanawha or Green Rivers, or their navigable tributaries and to accept delivery of such coal at designated delivery points and pay for the services of the Division in receiving, transporting and delivering such coal, and the Division hereby agrees to receive, transport and deliver such coal in barges from such loading points to such designated delivery points during the term of this Agreement, at the prices, and upon the other terms and conditions hereinafter set forth.

ARTICLE I

TERM

The term of this Agreement shall continue as to each Shipper until terminated by such Shipper by delivery of written

SEP-26-2003 15:11

COAL LOGISTICS

614 583 1619 P.04

notices to the Division not less than six months prior to the date of termination specified in such written notice.

ARTICLE II

RECEIPT AND TRANSPORTATION OF COAL

Section 1. Subject to the provisions of this Agreement, the Division shall receive, transport and deliver for each Shipper such quantities of coal as such Shipper shall specify from time to time on reasonable notice to the Division.

Section 2. The obligations of the Division to any Shipper set forth in Section 1 of this Article II shall be subject to I&MECo's reasonable requirements for transportation of coal for use in I&MECo's generating stations or for transportation of coal for use in generating stations of other Shippers or other direct or indirect subsidiary companies of American Electric Power Company, Inc.

Section 3. During the term of this Agreement each Shipper shall by written notice to the Division designate loading points (the "Loading Points") and delivery points (the "Delivery Points") on the Ohio, Green or Kanawha Rivers or their navigable tributaries.

ARTICLE III

LOADING AND UNLOADING OF COAL

The loading of coal into the Division's barges at the Loading Points and the unloading of such coal from the Division's

SEP-26-2003 15:11

COAL LOGISTICS

614 583 1619 P.05

barages at the Delivery Points shall be performed by each Shipper or its coal suppliers with its or their facilities in a workmanlike manner to a draft specified by the Division.

ARTICLE IV

DIVISION'S AFFIRMATIVE COVENANTS CONCERNING TRANSPORTATION EQUIPMENT

The Division shall at all times provide a sufficient number of barges, maintained in a good and seaworthy condition, and adequate motive power to enable it to carry out its obligations under this Agreement without delay and in a workmanlike manner, shall conform to the best accepted practice for the movement of bulk commodities by barge on inland waterways, and shall comply with all laws relating to the use and operation of vessels on inland waterways. All empty barges shall be delivered to the Loading Points free of foreign matter.

ARTICLE V

PRICE

The Division shall charge to each Shipper, and each Shipper shall pay to the Division, the costs of any transportation services performed by the Division for such Shipper. Such costs shall consist of all charges and expenses directly attributable to the performance of such service, a fair and equitable allocation of other charges and expenses of the Division (taking into account the transportation services performed by the Divi-

SEP-26-2003 15:11

COAL LOGISTICS

614 583 1619 P.06

sion for I&MECo), a provision for taxes at the combined normal tax and surtax rate applicable to corporations under Section 11 or any successor section of the Internal Revenue Code of 1954, as in effect from time to time, and an amount equal to 9.21% per annum of I&MECo's net investment in the Division. The determination of the 9.21% composite rate is shown in Appendix B. The Division will use the 9.21% composite after tax rate of return on its net investment until such time as it receives approval from the Public Service Commission of West Virginia and/or The Virginia State Corporation Commission, if necessary, to adjust the return on common equity on January 1 of each calendar year to the rate of return on common equity determined and allowed by the FERC in the most recent wholesale rate proceeding involving I&MECo. In the absence of a FERC order during the calendar year preceding each January 1, the rate of return on common equity would be that authorized by the Public Service Commission of Indiana in an I&MECo retail electric rate proceeding, during the calendar year preceding such January 1, otherwise the existing rate of return continues until the next January 1. For purposes of this Agreement, I&MECo's net investment in the Division during any period shall be understood to consist of its investment in real and personal property and an amount equal to 1/8 of the aggregate operation, maintenance, rental and general expenses of the Division for each annual period, plus prepayments and deferred expenses at the end of such period. If for any period the aggregate charges of the Division for transportation services

SEP-26-2003 15:12

COAL LOGISTICS

614 583 1619 P.07

performed do not equal the aggregate costs of performing such services, a prospective adjustment in rates will be made. A review of the need for such prospective adjustments shall be undertaken at least annually.

Demurrage and standby charges shall be assessed as provided in Appendix A hereto.

ARTICLE VI

CONDITIONS

Section 1. Billing and Payment.

On or before the fifteenth day of each calendar month, the Division shall render to each Shipper an invoice for all coal, if any, transported hereunder during the preceding calendar month. Each Shipper shall pay the Division by cash or check, in United States funds, the net amount of the invoice prior to the end of the month in which an invoice is received.

Each invoice shall show, inter alia, the quantity of coal transported hereunder during the preceding calendar month, the applicable prices therefor, and any debts or credits due.

Section 2. Weights.

To enable the Division to prepare invoices, each Shipper shall, promptly after the end of each calendar month, advise the Division as to the weights of the coal transported for such Shipper during that month either as loaded and weighed at Loading Points or as unloaded and weighed at the plant of the Shipper. The Division shall have the right at all reasonable times to review and audit the weights.

SEP-26-2003 15:12

COAL LOGISTICS

614 583 1619 P.08

Section 3. Records and Audits.

The Division shall keep accurate and satisfactory records and books of accounts showing all costs, payments, price revisions, credits, debits and all other data required for the purposes of this Agreement. Each Shipper shall have the right at any time, upon written notice to the Division, to examine the Division's records and books of accounts for the purpose of verifying the data used or to be used in determining the price paid or payable by such Shipper.

Section 4. Insurance.

It is understood that title to coal will remain in each respective Shipper. Each Shipper shall, at its own expense, carry and maintain cargo insurance, with waiver of subrogation against the Division, on the coal transported hereunder; and to the extent appropriate, each Shipper shall also, at its own expense, carry and maintain Longshoremen's and Harbor Workers' Compensation Act insurance covering its employees at its docks.

The Division shall, at its own expense, carry and maintain full marine coverage, with waiver of subrogation against any Shipper, including Hull, Collision, and Protection and Indemnity insurance or other insurance covering the liability of the vessels and their owners against loss of life and personal injury to members of their crews, including transportation, wages, maintenance and care.

SEP-26-2003 15:12

COAL LOGISTICS

614 583 1619 P.09

Section 5. Force Majeure.

If, because of force majeure, either party hereto is unable to carry out any of its obligations under this Agreement, and if such party promptly gives to the other party hereto written notice of such force majeure, then the obligations of the party giving such notice shall be suspended to the extent made necessary by such force majeure and during its continuance, provided the effect of such force majeure is eliminated insofar as possible with all reasonable dispatch.

The term "force majeure" as used herein shall mean any causes beyond the control and without fault or negligence of the party affected thereby, such as acts of God, acts of the public enemy, insurrections, riots, strikes, labor disputes, labor or materials shortages, fires, explosions, floods, breakdowns of or damage to plants, equipment or facilities (including emergency outages of equipment or facilities to make repairs to avoid breakdowns thereof or damages thereto), interruptions to transportation, river freeze-ups, embargoes, orders or acts of civil or military authority, or other causes of a similar nature which wholly or partly prevent the mining, delivery and/or loading of the coal by any Shipper or any coal suppliers thereto, or the receiving, transporting and/or delivery of the coal by the Division, or the accepting, utilizing and/or unloading of the coal by any Shipper.

SEP-26-2003 15:12

COAL LOGISTICS

614 583 1619 P.10

Section 6. Notices.

All notices under this Agreement shall be in writing; and if to any Shipper, shall be sufficient in all respects if delivered in person to its President or Vice President or sent by registered mail addressed to such Shipper at its address set forth at the foot of this Agreement, or at any subsequent address of which such Shipper may notify the Division in writing; and if to the Division, shall be sufficient in all respects if sent by registered mail addressed to the Division at P. O. Box 700, Lancaster, Ohio, 43130, or at any subsequent address of which the Division may notify the Shipper in writing.

Section 7. Waivers and Remedies.

The failure of any party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights, but the same shall continue and remain in full force and effect.

All remedies afforded under this Agreement shall be taken and construed as cumulative and in addition to every other remedy provided for herein or by law.

No default by any party to this Agreement in the performance of any of its covenants or obligations hereunder, which except for this provision would be the legal basis for rescission or termination of this Agreement by any other party hereto, shall give or result in such a right unless and until the

SEP-26-2003 15:12

COAL LOGISTICS

614 583 1619 P.11

party committing such default shall fail to correct the default within thirty (30) days after written notice of claim of such default is given to such defaulting party by the party claiming such default.

Section 8. Successors and Assigns.

This Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns; but this Agreement may not be assigned by either party without the written consent of the other, except that any party may, without the consent of any other party, assign this Agreement to a successor to all or substantially all of its property and assets who shall assume the obligations of the assigning party hereunder and to any direct or indirect subsidiary company of American Electric Power Company, Inc.

Section 9. Regulatory Approvals.

The performance of the obligations of each party hereto shall be subject to the receipt and continued effectiveness of all authorizations of governmental regulatory authorities necessary at the time to permit such party to perform its duties and obligations hereunder. In the event that the performance by any Shipper shall not be authorized by all governmental regulatory authorities whose authorization is necessary for such performance, or in the event that any such authorization once given, shall be revoked or withdrawn, then this Agreement shall not become effective, or shall cease to be effective, as the case may

SEP-26-2003 15:12

COAL LOGISTICS

614 583 1619 P.12

be, as to such Shipper, but such ineffectiveness shall not affect the obligations of any other party hereto.

Section 10. Further Agreements.

I&MECo and any Shipper, may enter into a further agreement or agreements setting forth detailed terms and provisions relating to the performance by I&MECo and such Shipper of their respective obligations hereunder. No agreement entered into pursuant to this Section 10 shall, however, alter to any material degree the obligations of any party to this Agreement in any manner inconsistent with any of the foregoing sections of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be signed by their respective authorized officers as of the day and year first above written.

OHIO POWER COMPANY
301 Cleveland Avenue, S.W.
Canton, Ohio 44701

By L. H. Jones
Vice President

APPALACHIAN POWER COMPANY
40 Franklin Road, S.W.
Roanoke, Virginia 24011

By John W. Haugher
President

INDIANA & MICHIGAN ELECTRIC
COMPANY
One Summit Square
Fort Wayne, Indiana 46801

By William A. Black
President

AEP GENERATING COMPANY
1 Riverside Plaza
Columbus, Ohio 43215

By John J. Gandy
Vice President

SEP-26-2003 15:13

COAL LOGISTICS

614 583 1619 P.13

**Appendix A
Barge Transportation Agreement**

**BARGE DEMURRAGE CHARGES
AND
TOWBOAT STANDBY CHARGES**

CHARGES AND PROCEDURES

Effective as of March 1, 1978

(Subject to Amendment from Time to Time)

SEP-26-2003 15:13

COAL LOGISTICS

614 583 1619 P.14

DEMURRAGE & STANDBY

CHARGES

A. Barge Demurrage

To promote efficient use of barges, plants are requested to unload barges so as to minimize barge delay.

The following definitions apply:

1. "Actual Placement" (or placement) is securing of a barge in the plant's designated barge unloading area.
2. "Constructive Placement" occurs when, due to any cause attributable to the plant which prohibits actual placement of a barge, the barge must therefore be secured elsewhere.
3. "Release" of an unloaded barge occurs when it is secured at the plant's designated empty barge fleeting area.
4. "Time of Placement" is to be when the barge is placed, the time to be determined by the delivering towboat Captain. A record of placement times will be furnished to the Shipper.
5. "Time of Release" is when the barge is unloaded. The time of release will be determined by the shipper and will be furnished to I&MECo.
6. "Plant" is the facility to which a delivery is made by placement of a barge.

The following rules govern barge demurrage:

1. Barge demurrage is computed for each Plant based on an "Average Agreement" method, with payments billed for demurrage debits which exceed demurrage credits. These debits and credits will be computed at rates of \$100 each for a jumbo barge, and \$60 each for a standard barge. Total billing for the excess amount of all debits over all credits occurs monthly. No demurrage credits are carried over to the following month.
2. Demurrage time for a barge will commence at the first 7:00 AM following Constructive Placement or Actual Placement of the barge, (and the barge is therefore considered to be in the Shipper's possession), and will

SEP-26-2003 15:13

COAL LOGISTICS

614 583 1619 P.15

'run' until the barge has been Released. "Demurrage days" will run from 7:00 AM to 7:00 AM. A fractional part of a day will be considered one day.

3. For a barge, a demurrage debit is incurred for each day after the third day (e.g. after the fourth 7:00 AM) that the barge is in Shipper's possession, and during any part of which day the barge remains unloaded. The \$100 and \$60 rates apply.
4. For a barge, a demurrage credit is earned for each day before the third day (e.g. before the fourth 7:00 AM) that the barge has been completely unloaded. The \$100 and \$60 rates apply.
5. Saturdays, Sundays, and holidays are included in demurrage determinations.

The Attachment A, "Barge Demurrage Charge Record", appended hereto, is used by Shipper for determination of the amount of barge demurrage charges. Columns F, G, H and I provide for posting the credits and debits for all barges at any point in time. Entires in these columns may be either days (i.e. debits or credits), or dollars, at Shipper's discretion. If entires in columns F, G, H and I are in days, they may be converted to dollars whenever accumulative entires are made in columns J and K, but must be converted to dollars at month end.

To further improve understanding of how demurrage credits and debits occur, attached Exhibits B and C illustrate credit and debit transactions for specific situations. It is important to note that the net demurrage position of a plant for a given month can and should be determined right after the close of the month, and need not await the release of all barges placed in that month.

B. Towboat Standby

Standby time is incurred by towboats waiting for their barges to be unloaded. Standby charge is an hourly charge, after the first "free" 24 hours, assessed against a Shipper whose Plant is so operated to cause towboats to wait for barges to become unloaded.

To promote efficient use of towboats, plants are requested to unload barges so as to minimize towboat standby time. The following definitions apply:

1. "Standby Arrival" is the time the towboat's tow is placed (Actual Placement or Constructive Placement) and is computed from the time when all barges in the

SEP-26-2003 15:13

COAL LOGISTICS

614 583 1619 P.16

-towboat's tow have been placed (Actual Placement or Constructive Placement).

2. "Standby Termination" is the time when the last barge to complete a tow has been released by Shipper at a Plant.
3. "Standby Time" is the time period between Standby Arrival and Standby Termination.

The attached Exhibit D "Towboat Standby Charge Record" is used for plant determination of towboat standby charges. At any time, the plant's cumulative towboat standby charges may be determined by multiplying the total hours in column G by the hourly standby charge rate of \$100/hour.

C. Submission of Plant-Determined Demurrage and Standby Charges for Verification, Audit, and Billing

Within 5 days of the last day of each month, that month's Barge Demurrage Charge Record and Towboat Standby Charge Record are to be sent to I&M Accounting, Fort Wayne, attention W. Keltner, for verification, audit, and any billing due the Shipper.

D. Exemption from Demurrage and Standby Charges

On occasion a Shipper may seek an exemption from barge demurrage and towboat standby charges it would otherwise incur at a Plant because of extenuating circumstances or inoperability conditions which constitute "force majeure situations." Examples of "force majeure situations" are occurrences beyond a Shipper's reasonable control, such as acts of God, equipment breakdowns, fires, river conditions prohibiting normal handling of vessels, sabotage, accidents, labor disputes, and other similar or different occurrences.

To permit consideration of Shipper-proposed exemptions, the following procedure provides for filing of demurrage and standby charge "force majeure" claims by Shippers, and disposition of such claims:

1. A Shipper claiming a force majeure situation and exemption from demurrage or standby charges will promptly, notify the River Transportation Division of Indiana & Michigan Electric Company (the "Division") stating the nature of the condition and briefly explaining the justification for exemption.
2. Within 48 hours of the elimination of the "force majeure condition" claimed as detailed in (1) above, the Shipper will send a letter claiming exemption from

SEP-26-2003 15:13

COAL LOGISTICS

614 583 1619 P.17

-demurrage or standby charges and its supporting reasons
therefore to the Division.

3. Disposition of the claim will be decided by the General Manager of Transportation on a case by case basis, all Shippers being treated equitably, with appeals being referred to the Senior Vice President-Fuel Supply.

SEP-26-2003 15:13

COAL LOGISTICS

614 583 1619 P.18

PLATE

Page 15

SEP-26-2003 15:13

COAL LOGISTICS

614 583 1619 P.19

EXHIBIT B

EXAMPLE OF BARGE DEMURRAGE CREDIT AND DEBIT DETERMINATIONS
FOR BARGES PLACED AND RELEASED IN SAME MONTH

(Left side of bar = barge placed; right side of bar = barge released)

1st 7AM

after barge
placement

2nd
7AM

3rd
7AM

4th
7AM

5th
7AM

6th
7AM

3 cred

2 cred

1 cred

0

1 deb:

2 deb:

3 deb:

Note: "Placement" = constructive placement or actual placement

SEP-26-2003 15:14

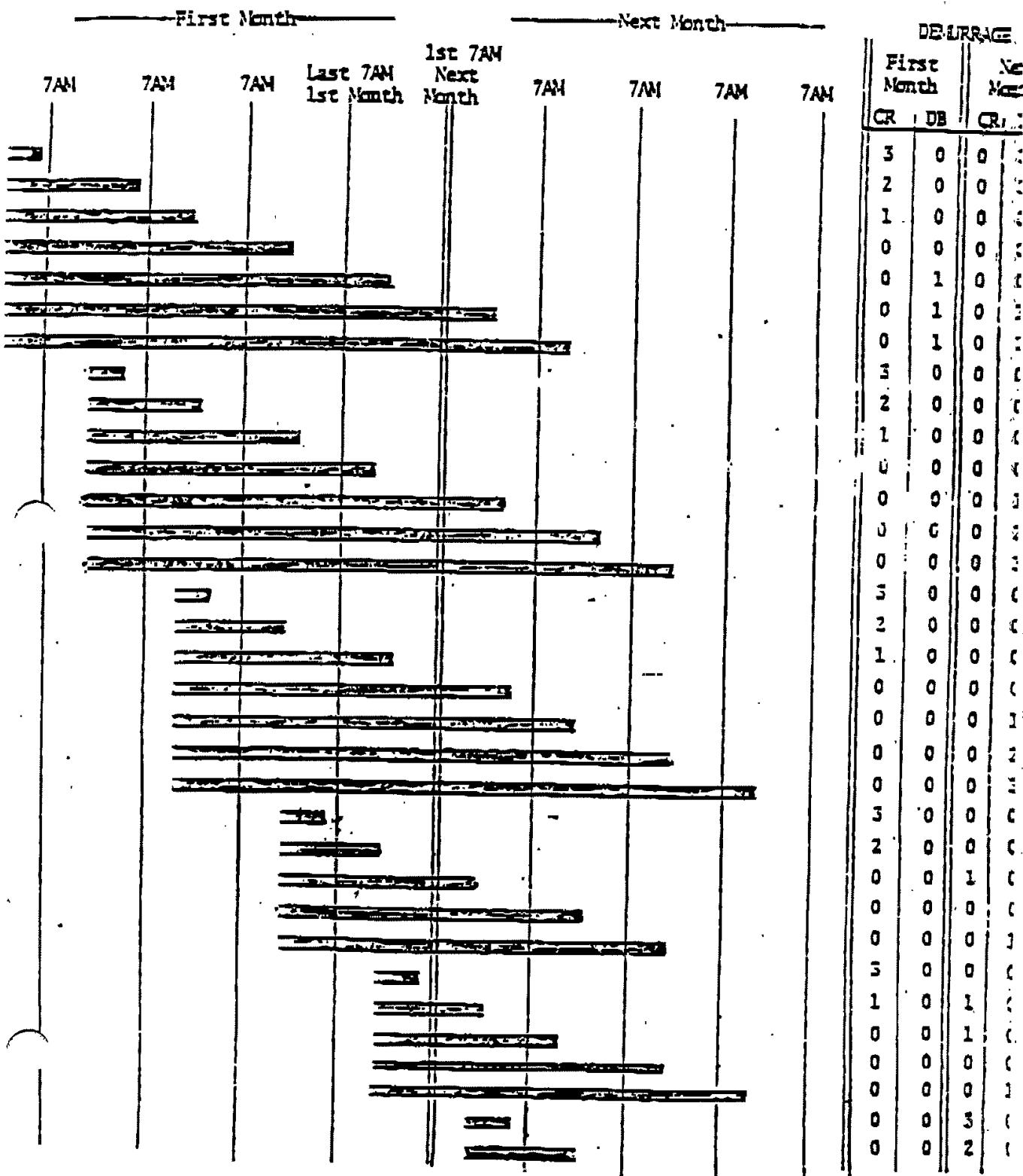
COAL LOGISTICS

614 583 1619

P. 20

FOR BARGES PLACED THAT FIRST MONTH, BUT RELEASED AFTER THAT MONTH

(Left side of bar = placement; right side of bar = release)



SEP-26-2003 15:14

15:14

COAL LOGISTICS

614 583 1619 P.21

P.21

Page 20 of 31

Dated December 19, 2025

Item No. 36

Item No. 66

Attachment 1
Page 20 of 31

Page 20 of 31

P. 24

STANLEY OMCY: *He's got the name of* *COMINT*.

卷之三

SEP-26-2003 15:14

COAL LOGISTICS

614 583 1619 P.22

— INDIANA & MICHIGAN ELECTRIC COMPANY
RIVER TRANSPORTATION DIVISION

Calculation of Cost of Capital Rate
Applicable to Net Investment

Corporate Capitalization at 9/1/73	(\$000) Amount	Percent of Total Capitalization	Rate	Weighted Composite Rate
Long Term Debt ⁽¹⁾	\$393,138	49.3%	6.5% ⁽²⁾	3.20%
Preferred Stock	<u>87,357</u>	10.9%	7.7%	.84%
Stockholders Equity:				
Common Stock	56,584			
Other Paid-In Capital	181,028			
Retained Earnings	<u>79,810</u>			
	<u>317,422</u>	<u>39.8%</u>	<u>13.0</u> ⁽³⁾	<u>5.17%</u>
Total	<u>\$797,917</u>	<u>100.0%</u>		<u>9.21%</u>

(1) Includes unamortized premium and discount, and current portion of long-term debt.

(2) Effective rate of last issue by Indiana & Michigan Electric Company prior to September 1, 1973.

(3) Return on common equity ordered by the Federal Energy Regulatory Commission on March 18, 1980, in I&MECo's general rate proceeding, Docket No. ER76-716.

AMENDMENT NO. 1 TO BARGE TRANSPORTATION AGREEMENT

This Amendment No. 1 to Barge Transportation Agreement ("Amendment No. 1") is entered into by and among **Appalachian Power Company ("APCo")**, **Ohio Power Company (OPCo)**, **Kentucky Power Company ("KPCo")** and **AEP Generating Company ("AEPGC")** (collectively the "Shippers" and individually a "Shipper") and **Indiana Michigan Power Company** (formerly Indiana & Michigan Electric Company), an Indiana corporation ("I&M") effective as of the 12th day of September, 2013 (the "Effective Date").

WHEREAS, APCo, OPCo, AEPGC and I&M entered into that certain Barge Transportation Agreement dated May 1, 1986 (the "Barge Transportation Agreement") pursuant to which I&M transports coal on the Kanawha and Ohio Rivers, and other navigable waterways, to coal-fired steam electric generating stations of APCo, OPCo, AEPGC and I&M.

WHEREAS, APCo, OPCo, AEPGC and I&M desire to amend the Barge Transportation Agreement as hereinafter provided.

WHEREAS, KPCo desires to become a party to the Barge Transportation Agreement.

NOW, THEREFORE, in consideration of the foregoing and the covenants and agreements of the Parties hereto as herein stated, the APCo, OPCo, AEPGC and I&M agree to amend the Barge Transportation Agreement as hereinafter set forth and consent to KPCo becoming a party to the Barge Transportation Agreement as amended by this Amendment No. 1.

1. **ARTICLE V PRICE** is hereby deleted in its entirety and replaced with the following:

ARTICLE V PRICE

- a. At the end of each month the Division shall invoice each Shipper for coal transportation and unloading and loading services (the "River Transportation Services") provided to Shipper by the Division during such month. The fee for River Transportation Services (the "River Transportation Services Fee") shall consist of the Division's annual estimate of its fully loaded cost to perform the River Transportation Services on a per ton basis which shall include an after-tax carrying charge equal to I&M's return on equity set by the Indiana Utility Regulatory Commission on the Division's investment in the assets utilized by it to perform the River Transportation Services and determined in accordance with Appendix A attached hereto, and an adder for income taxes at the prevailing statutory rate. The River Transportation Services Fee shall be revised from time to time by the Division to reflect its estimated fully loaded cost to perform the River Transportation Services and to reflect any changes in I&M's return on equity. Shippers shall provide the Division annually with a reasonably detailed forecast of its requirements for River Transportation Services to assist in the Division's computation of the River Transportation Services Fee.

b. Within sixty (60) days after the end of each calendar quarter year, the Division shall perform a true-up of the River Transportation Services Fees paid by Shippers during such calendar quarter (each a "True-Up Quarter") against the actual costs incurred by the Division to perform such River Transportation Services. If the aggregate River Transportation Services Fees payable or paid by a Shipper during a True-Up Quarter exceeds the actual costs incurred by the Division to perform the River Transportation Services during such True-Up Quarter, the difference shall be credited to the Shipper's account and applied against subsequent Shipper invoices. If the aggregate River Transportation Services Fees payable or paid by a Shipper during a True-Up Quarter is less than the actual costs incurred by the Division to perform the River Transportation Services during such True-Up Quarter, the difference shall be paid by Shipper when Shipper is invoiced for such difference.

c. Free time for each barge trip undertaken by the Division for a Shipper shall include three free days and Sundays and Holidays.

d. The Division shall issue Shipper a credit for each day that a barge is unloaded in less than the Shipper's allotted free time and debit Shipper for each day that a barge is unloaded after Shipper's allotted free time. Aggregate Shipper credits shall be applied against aggregate Shipper debits monthly and will be settled by the Division at the end of each month. Shipper credits are not refundable and will not be carried over from month to month. Shipper credits and debits will be calculated using 1/100th of a day.

e. The jumbo demurrage rate is \$100 per day per barge. Demurrage will be billed on actual unload times using 1/100th of a day.

2. The second sentence of Section 1 of Article VI is hereby deleted and replaced with the following sentence: "Each Shipper shall settle its invoiced River Transportation Services Fee though the AEP money pool within thirty (30) days following receipt of each invoice."

3. The Division's notice address in Section 7 of Article VI is hereby changed to 16150 Main Circle Drive, Suite 400, Chesterfield, MO 63017.

4. Appendix A to the Barge Transportation Agreement is hereby deleted in its entirety and replaced with Appendix A attached hereto.

5. APCo, OPCo, AEPGC and I&M each consent to KPCo becoming a party to the Barge Transportation Agreement, as amended by this Amendment No. 1.

6. KPCo agrees that it shall become a party to the Barge Transportation Agreement, as amended by this Amendment No. 1, upon its execution of this Amendment No. 1 and further agrees to abide by all of the terms and conditions of the Barge Transportation Agreement.

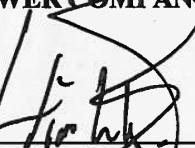
7. This Amendment No. 1 shall not become effective as to APCo until such time, if ever, that it has obtained all governmental regulatory approvals necessary to participate in this Agreement. This provision shall not affect the obligations of any other party hereto. If this Amendment No. 1 becomes effective as to APCo, it shall terminate as to APCo on the fifth anniversary of its receipt any regulatory approvals.

8. Pursuant to IC 8-1-2-49(g), this Amendment No. 1 shall not become effective as to I&M until it has been filed with the Indiana Utility Regulatory Commission.

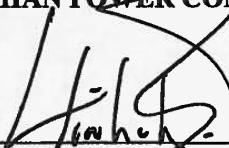
9. Except as specifically set forth herein, the Barge Transportation Agreement, a copy of which is attached, shall remain in full force and effect without amendment or modification.

Executed as of the Effective Date.

OHIO POWER COMPANY

By: 
Timothy K. Light, Vice President *ROR*

APPALACHIAN POWER COMPANY

By: 
Timothy K. Light, Vice President *ROR*

**INDIANA MICHIGAN POWER
COMPANY**

By: 
Timothy K. Light, Vice President *ROR*

AEP GENERATING COMPANY

By: 
Timothy K. Light, Vice President *ROR*

KENTUCKY POWER COMPANY

By: 
Timothy K. Light, Vice President *ROR*

Appendix A

Component	Capitalization @12/31/XX (000)	Percent of Total	Annual Cost		After-Tax	Before-Tax	
					Rate of Return	Weighted Percent	In Dollars
Long Term Debt	A	1,532,198	45.97 %	5.70%	C	2.82 %	762,468
Preferred Stock		0	0.00 %	0.00%	C	0.00 %	0.00 %
Common Stock	B	1,801,131	54.03 %	10.20%	D	5.51 %	8.48 %
Total		3,333,329	100.00 %			8.13 %	11.10 %
							3,228,981
							E

The amounts above are examples and should be updated as specified below.

A) Includes long term debt due in one year and is net of unamortized debt premium and discount, unamortized debt expense and losses on re-acquired debt. It excludes spent nuclear fuel disposal costs. This figure should be updated annually using actual data from the I&M General Ledger.

B) Common equity includes premium on preferred stock and excludes undistributed subsidiary earnings. This figure should be updated annually using actual data from the I&M General Ledger.

C) Annual cost of Long-Term Debt is updated annually using actual data from the I&M General Ledger.

D) Based on I&M return on equity in effect as determined by the Indiana Utility Regulatory Commission from time to time (e.g. upon resolution of a base rate case, etc.)

E) Includes FIT adder (i.e. "gross-up") calculated at the prevailing statutory tax rate (currently 35%).

AMENDMENT NO. 2
TO
BARGE TRANSPORTATION AGREEMENT

THIS AMENDMENT NO. 2 TO the BARGE TRANSPORTATION AGREEMENT (this "Amendment 2") is entered into by and between **Appalachian Power Company** ("APCo"), **Ohio Power Company** ("OPCo"), **Kentucky Power Company** ("KPCo"), and **AEP Generating Company** ("AEPGC") (collectively, the "Shippers") and **Indian Michigan Power Company** ("I&M") (collectively with the Shippers, the "Parties"), effective as of May 9, 2019. All capitalized terms used herein and not otherwise defined shall have the meaning set forth in the Agreement (as defined below).

RECITALS

- A. **WHEREAS**, the Parties entered into that certain Barge Transportation Agreement (the "Agreement") dated May 1, 1986, pursuant to which I&M agreed to transport coal on the Kanawha and Ohio Rivers, and other navigable waterways, to coal-fired steam electric generating stations of APCo, OPCo, AEPGC, and I&M subject to the terms and conditions therein.
- B. **WHEREAS**, the Parties entered into that certain amendment to the Agreement ("Amendment 1") dated September 12, 2013, pursuant to which, among other things, KPCo became a party to the Agreement.
- C. **WHEREAS**, the Parties have agreed to amend Amendment 1, for the purpose of eliminating the automatic termination provision specific to APCo and thereby confirm that the Agreement remains effective as to APCo, subject to any governmental regulatory approval required for its continued participation in this Agreement.

NOW, THEREFORE, in consideration of the mutual agreements contained in this Amendment 2 and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned agree as follows:

Amendment 1 shall be amended as follows:

1. Paragraph 7 is hereby deleted in its entirety and restated as follows:

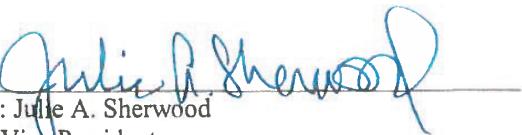
This Amendment No. 1 shall not become effective as to APCo until such time, if ever, that it has obtained all governmental regulatory approvals necessary to participate in this Agreement. This provision shall not affect the obligations of any other party hereto.

2. The terms of the Agreement and Amendment 1 remain in full force and effect except as modified herein.

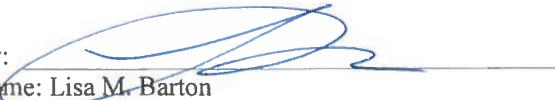
3. Miscellaneous. This Amendment 2, together with the Agreement and Amendment 1, constitutes the entire agreement concerning the subject matter hereof and all prior or contemporaneous understandings, oral representations or agreements had among the Parties with respect to the subject matter hereof are merged in, and are contained in this Amendment 2. This Amendment 2 shall inure to the benefit of and shall be binding upon the Parties hereto and their respective heirs, successors and assigns. This Amendment 2 may be executed in one or more counterparts delivered electronically, each of which shall constitute an original and together one and the same instrument. Each party executing this Amendment 2 represents that such party has full authority and legal power to do so.

Executed and delivered under seal as of the day and year first above written.

AEP GENERATING COMPANY:

By: 
Name: Julie A. Sherwood
Title: Vice President

OHIO POWER COMPANY:

By: 
Name: Lisa M. Barton
Title: Vice President

INDIANA MICHIGAN POWER COMPANY:

By: 
Name: Lisa M. Barton
Title: Vice President

KENTUCKY POWER COMPANY:

By: 
Name: Lisa M. Barton
Title: Vice President

APPALACHIAN POWER COMPANY:

By: 
Name: Lisa M. Barton
Title: Vice President

AMENDMENT NO. 3 AND CONSENT

TO
BARGE TRANSPORATION AGREEMENT

This AMENDMENT and CONSENT is dated as of the 2nd day of February, 2024, but effective as of September 1, 2022 (the "Effective Date").

WHEREAS, that certain Barge Transportation Agreement dated as of May 1, 1986 ("Barge Transportation Agreement"), is among Appalachian Power Company, a Virginia corporation ("APCO"), Ohio Power Company, an Ohio corporation ("OPCO"), and AEP Generating Company ("AEPGC"), all of which companies are subsidiaries of American Electric Power Company, Inc., a New York corporation ("AEP") and therefore affiliates;

WHEREAS, the Barge Transportation Agreement provides that other direct or indirect subsidiary companies of AEP may become a party to the Barge Transportation Agreement with the consent of the aforementioned parties to the Barge Transportation Agreement and by executing and delivering a counterpart of the Barge Transportation Agreement to each of the parties thereto;

WHEREAS, Wheeling Power Company, a West Virginia corporation ("WPCO"), which is a subsidiary of AEP, desires to become a party to the Barge Transportation Agreement;

WHEREAS, each of APCO, OPCO, and AEPGC, does hereby consent to the addition of WPCO as a part of the Barge Transportation Agreement; and

WHEREAS, OPCO does not now own or operate, or anticipate owning or operating, barges, and desires to cease being a party to the Barge Transportation Agreement.

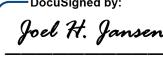
NOW THEREFORE, in consideration of the foregoing, effective as of the Effective Date:

1. The Barge Transportation Agreement is hereby amended by adding WPCO as a party to the Barge Transportation Agreement and deleting OPCO as a party to the Barge Transportation Agreement.
2. WPCO hereby agrees to abide by all of the terms and conditions of the Barge Transportation Agreement as are currently in effect.
3. APCO, OPCO, and AEPGC hereby consent to the addition of WPCO as a party to the Barge Transportation Agreement.
4. All other terms and conditions of the Barge Transportation Agreement, a copy of which is attached, remain in full force and effect.

[Signatures Appear on Following Page]

IN WITNESS WHEREOF, the parties have caused this Amendment and Consent
to be signed by their respective authorized officers as of the day and year first above
written.

APPALACHIAN POWER COMPANY

DocuSigned by:
By: 
BD1FA5DF439F4BB...
Its: Vice President 

OHIO POWER COMPANY

DocuSigned by:
By: 
BD1FA5DF439F4BB...
Its: Vice President 

AEP GENERATING COMPANY

DocuSigned by:
By: 
C19309C2E1D845A...
Its: Vice President 

WHEELING POWER COMPANY

DocuSigned by:
By: 
BD1FA5DF439F4BB...
Its: Vice President 

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_37 Explain how purchase power costs are accounted for in the calculation of the FAC when Kentucky Power experiences a planned generation outage and purchases power to meet load (i.e., whether the entire amount of the purchase power recorded in the calculation, or there is a limit as to the amount recorded). If there is a limit, explain the basis for the limitation and how it is calculated. If there is no limit, explain the basis for including 100 percent of the purchase power costs.

RESPONSE

The Company limits the amount of purchased power expense recovered through its FAC in accordance with 807 KAR 5:056, Section 1(3)(c), and the Commission's Order dated January 22, 2015 in Case No. 2014-00225 and as modified by the Commission's December 13, 2024 and December 22, 2025 orders in Case No. 2023-00008.¹ More specifically, when Kentucky Power experiences a scheduled generation outage (whether denominated a Planned Outage or Maintenance Outage) and purchases power to meet its load, the Company limits recovery of those purchase power costs through the FAC to the lower of "the actual energy cost of the non-economy purchased energy or the fuel cost of its highest cost generating unit available to be dispatched to serve native load during the reporting expense month (typically the value of the peaking unit equivalent valuation)."²

Witness: Jason M. Stegall

¹ Order, *In The Matter Of: An Examination Of The Application Of The Fuel Adjustment Clause Of Kentucky Power Company From November 1, 2013 Through April 30, 2014*, Case No. 2014-00225 (Ky. P.S.C. January 22, 2015); Orders, *In The Matter Of: An Electronic Examination Of The Application Of The Fuel Adjustment Clause Of Kentucky Power Company From November 1, 2020 Through October 31, 2022*, Case No. 2023-00008 (Ky. P.S.C. Dec. 13, 2024 and Dec. 22, 2025).

² Order, *In The Matter Of: An Examination Of The Application Of The Fuel Adjustment Clause Of Kentucky Power Company From November 1, 2013 Through April 30, 2014*, Case No. 2014-00225 (Ky. P.S.C. January 22, 2015).

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_38 Explain how purchase power costs are accounted for in the calculation of the FAC when Kentucky Power is not experiencing a generation outage but must purchase power in order to meet demand (i.e., whether the entire amount of the purchase power recorded in the calculation, or there is a limit as to the amount recorded). If there is a limit, explain the basis for the limitation and how it is calculated. If there is no limit, explain the basis for including 100 percent of the purchase power costs.

RESPONSE

When Kentucky Power is not experiencing a generation outage but must purchase power in order to meet demand, the Company limits recovery of those purchase power costs through the FAC in accordance with 807 KAR 5:056, Section 1(3)(c), and the Commission's Order dated January 22, 2015 in Case No. 2014-00225 and as modified by the Commission's December 13, 2024 and December 22, 2025 orders in Case No. 2023-00008.³ More specifically, in those instances when Kentucky Power is not experiencing a generation outage but must purchase power in order to meet demand, the Company recovers through the FAC the lower of "the actual energy cost of the non-economy purchased energy or the fuel cost of its highest cost generating unit available to be dispatched to serve native load during the reporting expense month (typically the value of the peaking unit equivalent valuation)."⁴

Witness: Jason M. Stegall

³ Order, *In The Matter Of: An Examination Of The Application Of The Fuel Adjustment Clause Of Kentucky Power Company From November 1, 2013 Through April 30, 2014*, Case No. 2014-00225 (Ky. P.S.C. January 22, 2015); Orders, *In The Matter Of: An Electronic Examination Of The Application Of The Fuel Adjustment Clause Of Kentucky Power Company From November 1, 2020 Through October 31, 2022*, Case No. 2023-00008 (Ky. P.S.C. Dec. 13, 2024 and Dec. 22, 2025).

⁴ Order, *In The Matter Of: An Examination Of The Application Of The Fuel Adjustment Clause Of Kentucky Power Company From November 1, 2013 Through April 30, 2014*, Case No. 2014-00225 (Ky. P.S.C. January 22, 2015).

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_39 Provide the amount, by month, of costs excluded from recovery from the FAC related to non-economy purchases.

- a. State whether Kentucky Power otherwise recovers the excluded costs.
- b. If Kentucky Power does recover the excluded costs, explain in detail how those costs are recovered.

RESPONSE

Please see KPCO_R_KPSC_1_39_Attachment1 for the requested information, which shows, by month, the amount of purchased power costs calculated in the PUE calculation and excluded from the FAC via the line in the monthly calculation labeled 'Purchase Adjustment for Peaking Unit Equivalent'.

a. and b. Purchased Power costs calculated in the PUE calculation and excluded from the FAC via the line in the monthly calculation labeled 'Purchase Adjustment for Peaking Unit Equivalent' are not included in the revenue requirement of any rider and are recoverable through base rates. The Company recovers those costs through base rates if approved by the Commission.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_40 Provide the amount of current FAC fuel procurement or purchase power costs that is included in Kentucky Power's base rates.

RESPONSE

The Company's current base rates include \$281,845,547 of fuel and purchased power costs, as shown in Section V, Exhibit 2, Page 7 in the Company's most recently approved base rate case, Case No. 2023-00159.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_41 Provide the amount of non-FAC fuel procurement or purchase power costs that are otherwise recovered in Kentucky Power's base rates.

RESPONSE

Please see the Company's response to KPSC 1_39. The Company has not identified any other non-FAC fuel procurement or purchase power costs that are otherwise recovered in Kentucky Power's base rates.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025
Page 1 of 2

DATA REQUEST

KPSC 1_42 Provide each instance an error was made by Kentucky Power on its FAC form A rate sheets filed during the full two-year period under review. For each instance provide:

- a. An explanation on the error and why the error was made.
- b. Kentucky Power's actions taken to correct the error.
- c. Revised FAC Form A rate sheets showing the actual fuel related expenses and sales as if it was filed accurately.

RESPONSE

a. - c. During the Review Period an adjustment was made in the Company's August 19, 2024 Fuel Adjustment Clause filing to reflect necessary corrections discovered during an audit of the Company's Fuel Adjustment Clause filings. Each of the errors requiring correction were inadvertent.

In the April 2024 expense month, the Company carried over an incorrect amount of purchased power during that month from its Power Tracker system to the calculation resulting in an understated peaking unit equivalent limitation. In other words, the Company inadvertently excluded from recovery through the FAC some purchased power expense that it was authorized to collect through that mechanism. The impact of the April 2023 error was an under-recovery of \$864,287.

In the July 2023 expense month, there was a spreadsheet error that caused certain input cells to reference blank cells. This spreadsheet error resulted in incorrect values being used in calculating forced outage expense and the peaking unit equivalent limitation during that expense month. The net impact of the July 2023 error was an under-recovery of \$47,427.

KPCO_R_KPSC_1_42_Attachment1 provides the Company's August 19, 2024 Fuel Adjustment Clause filing which includes the original and revised FAC Form A rate sheets for April 2024 and July 2023. Also included in this attachment is the original and revised fuel backups for April 2024 and July 2023 highlighted in pink. The August 19, 2024 Fuel Adjustment Clause filing also included six supporting excel files related to the above corrections. These are provided as:

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025
Page 2 of 2

Attachment	Description
KPCO_R_KPSC_1_42_Attachment2	Excel comparative of the original and revised filings for April 2024 and July 2023 with impacted cells highlighted in pink
KPCO_R_KPSC_1_42_Attachment3	Excel file to show the impact of the adjustment on the average residential customer
KPCO_R_KPSC_1_42_Attachment4	Original April 2024 PUE
KPCO_R_KPSC_1_49_Attachment18	Revised April 2024 PUE
KPCO_R_KPSC_1_42_Attachment5	Original July 2023 PUE
KPCO_R_KPSC_1_49_Attachment9	Revised July 2023 PUE

In response to these errors, the Company implemented additional steps and checks. These steps include leveraging available internal reports to validate that various inputs are correct and ensuring cells remain aligned. In addition, careful consideration and review is given during daylight saving months and leap years. Further, once the calculation has been completed by the preparer, a peer review is performed with a check list containing key calculation attributes to be double-checked.

Witness: Lerah M. Kahn

Witness: Jason M Stegall



DELIVERED VIA EMAIL TO PSCED@KY.GOV

August 19, 2024

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

RE: Standard Fuel Adjustment Clause Filing

Dear Ms. Bridwell:

Enclosed are Kentucky Power Company's Fuel Adjustment Clause Schedules with supporting sales and fuel cost schedules for the September 2024 billing month. These calculations are based on estimated July 2024 fuel costs with an adjustment reflecting actual June 2024 fuel costs.

In addition, Page 2 of 5 (F1) includes an adjustment to reflect necessary corrections discovered during a recent audit of Kentucky Power Fuel Adjustment Clause Filings.

In the April 2024 expense month, the Company carried over an incorrect amount of purchased power during that month from its Power Tracker system to the calculation resulting in an understated peaking unit equivalent limitation. In other words, the Company inadvertently excluded from recovery through the FAC some purchased power expense that it was authorized to collect through that mechanism. The impact of the April 2023 error was an under-recovery of \$864,287.

In the July 2023 expense month, there was a spreadsheet error that caused certain input cells to reference blank cells. This spreadsheet error resulted in incorrect values being used in calculating forced outage expense and the peaking unit equivalent limitation during that expense month. The net impact of the July 2023 error was an under-recovery of \$47,427.

Included with this filing to assist the Commission with its review is:

- PDF of the original and revised fuel adjustment clause filings for April 2024 and July 2023 with impacted cells highlighted in pink;
- Excel comparative (“Attachment_1_Adjustment_Calc”) of the orginal and revised filings for April 2024 and July 2023 with impacted cells highlighted in pink;
- Excel file (“Attachment_2_Res_Impact”) to show the impact of this adjustment on the average residential customer;
- PDF of the original and revised fuel backups for both April 2024 and July 2023 with changes highlighted in pink; and
- Original and revised versions of the supporting spreadsheet (Attachment_3a through Attachment_4b) that resulted in the errors within the respective months as identified in this letter.

If you have any questions, please contact me at 614-906-6051.

Sincerely,



Tanner S. Wolffram
Director Regulatory Services
Enclosure

KENTUCKY POWER COMPANY

SUMMARY OF ADJUSTMENT CLAUSES

Month Ended: July 2024

1	Fuel Adjustment Clause Factor (Page 1 of 5)	(+)	\$0.01376
2	System Sales Clause Factor	(+)	<u>\$0.00016</u> *
3	Total Adjustment Clause Factors		\$0.01392

Effective Month for Billing September 2024

Submitted by:



(Signature)

Title:

Director of Regulatory Services

Date Submitted:

August 19, 2024

* See Form 1.0, 2023 System Sales Clause Update, August 14, 2023 filing in Post-Case Filings, Case No. 2020-00174.

Page 1 of 5

KENTUCKY POWER COMPANY

FUEL ADJUSTMENT CLAUSE SCHEDULE

Month Ended: July 2024

Fuel Fm (Fuel Cost Schedule)	<u>\$19,053,272</u>		
Sales Sm (Sales Schedule)	<u>477,823,165</u>	(+)	0.03988
Fuel (Fb)	<u>\$12,810,858</u>		
Sales (Sb)	<u>490,482,730</u>	(-)	<u>0.02612 *</u>
			<u>0.01376</u>

Effective Month for Billing

September 2024



Submitted by:

(Signature)

Title:

Director of Regulatory Services

Date Submitted:

August 19, 2024

**Pursuant to PSC Order dated August 2, 2021 in Case No. 2021-00053.*

Page 2 of 5

KENTUCKY POWER COMPANY

ESTIMATED FUEL COST SCHEDULE

Month Ended: July 2024

A. Company Generation				
Coal Burned	(+)	\$10,399,040		
Oil Burned	(+)	348,835		
Gas Burned	(+)	3,737,506		
Fuel (jointly owned plant)	(+)	0		
Fuel (assigned cost during Forced Outage)	(+)	0		
Fuel (substitute for Forced Outage)	(-)	0		
Sub Total		<u>14,485,381</u>		
B. Purchases				
Net Energy Cost - Economy Purchases	(+)	0		
Identifiable Fuel Cost - Other Purchases	(+)	6,090,275		
Identifiable Fuel Cost (substitute for Forced Outage)	(-)	0		
Sub Total		<u>6,090,275</u>		
C. Inter-System Sales Fuel Costs				
Sub Total		<u>3,136,942</u>		
D. Total Fuel Cost (A + B - C)		<u><u>\$17,438,714</u></u>		
E. Adjustment indicating the difference in actual fuel cost for the month of <u>June 2024</u> and the estimated cost originally reported. <u>\$15,783,594</u> - <u>\$16,452,367</u> = <u>(668,774)</u>				
F. Total Company Over or (Under) Recovery from Page 4, Line 12		<u>132,248</u>		
F1. Under-Recovery from April 2024 and July 2023		<u>911,714</u>		
G. Grand Total Fuel Cost (D + E - F)		<u><u>\$17,549,407</u></u>		
H. Fuel-Related PJM Billing Line Items	<u>July 2024</u>			
I. ADJUSTED GRAND TOTAL FUEL COSTS (G + H)		<u><u>\$19,053,272</u></u>		

Page 3 of 5

KENTUCKY POWER COMPANY

SALES SCHEUDLE

Month Ended: July 2024

		<u>Kilowatt-Hours</u>
A. Generation (Net)	(+)	429,775,000
Purchases Including Interchange In	(+)	<u>128,951,000</u>
Sub Total		558,726,000
 B. Pumped Storage Energy	(+)	0
Inter-System Sales Including Interchange Out	(+)	55,537,000
System Losses	(+)	<u>25,365,835</u> *
Sub Total		<u>80,902,835</u>
 Total Sales (A - B)		<u>477,823,165</u>

* Does not include 352,165 KWH of company usage.

Page 4 of 5

KENTUCKY POWER COMPANY
OVER OR (UNDER) RECOVERY SCHEDULE

Month Ended: July 2024

<u>Line No.</u>			
1	FAC Rate Billed	(+)	0.00212
2	Retail KWH Billed at Above Rate	(x)	<u>467,867,039</u>
3	FAC Revenue/(Refund) (L1 * L2)		<u>991,878</u>
4	KWH Used to Determine Last FAC Rate Billed	(+)	411,878,407
5	Non-Jurisdictional KWH Included in L4	(-)	<u>5,468,779</u>
6	Kentucky Jurisdictional KWH Included in L4 (L4 - L5)		<u>406,409,628</u>
7	Recoverable FAC Revenue/(Refund) (L1 * L6)		861,588
8	Over or (Under) Recovery (L3 - L7)		130,290
9	Total Sales (Page 3)	(+)	477,823,165
10	Kentucky Jurisdictional Sales	(/)	<u>470,747,151</u>
11	Ratio of Total Sales to KY. Jurisdictional Sales (L9 / L10)		1.01503
12	Total Company Over or (Under) Recovery (L8 * L11)		<u>132,248</u>

Page 5 of 5

KENTUCKY POWER COMPANY

**FINAL
FUEL COST SCHEDULE**

Month Ended: June 2024

A. Company Generation				
Coal Burned			(+)	\$10,602,993
Oil Burned			(+)	342,039
Gas Burned			(+)	3,166,494
Fuel (jointly owned plant)			(+)	0
Fuel (assigned cost during Forced Outage)			(+)	41,566
(1,076,890 KWH X \$0.038598)			(-)	<u>0</u>
Fuel (substitute for Forced Outage)				
	Sub-total			<u>14,153,092</u>
B. Purchases				
Net Energy Cost - Economy Purchases			(+)	0
Identifiable Fuel Cost - Other Purchases			(+)	4,142,188
Identifiable Fuel Cost (substitute for Forced Outage)			(-)	62,635
(1,076,890 KWH X \$0.058163)			(-)	<u>66,373 (1)</u>
Purchase Adjustment for Peaking Unit Equivalent				
	Sub-total			<u>4,013,179</u>
C. Inter-System Sales Fuel Costs				<u>2,382,677</u>
D. SUB-TOTAL FUEL COST (A + B - C)				<u>\$15,783,594</u>
E. Fuel-Related PJM Billing Line Items	<u>June 2024</u>			1,040,687
F. GRAND TOTAL FUEL COSTS (D + E)				<u>\$16,824,281</u>

(1) As calculated in accordance with KPSC 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.

April 2024 (FAC Page 5 of 5)
Fuel Adjustment Clause Filing

ORIGINAL FILED JUNE 18, 2024



DELIVERED VIA EMAIL TO PSCED@KY.GOV

June 18, 2024

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

RE: Standard Fuel Adjustment Clause Filing

Dear Ms. Bridwell:

Enclosed are Kentucky Power Company's Fuel Adjustment Clause Schedules with supporting sales and fuel cost schedules for the July 2024 billing month. These calculations are based on estimated May 2024 fuel cost with an adjustment reflecting actual April 2024 fuel costs.

If you have any questions, please contact me at 606-327-2603.

Sincerely,



Brian K. West
Vice President, Regulatory & Finance
Enclosure

ORIGINAL FILED JUNE 18, 2024

KENTUCKY POWER COMPANY

SUMMARY OF ADJUSTMENT CLAUSES

Month Ended: May 2024

1	Fuel Adjustment Clause Factor (Page 1 of 5)	(+)	\$0.00212
2	System Sales Clause Factor	(+)	<u>\$0.00016</u> *
3	Total Adjustment Clause Factors		\$0.00228

Effective Month for Billing

July 2024

Submitted by:



(Signature)

Title:

Vice President, Regulatory & Finance

Date Submitted:

June 18, 2024

* See Form 1.0, 2023 System Sales Clause Update, August 14, 2023 filing in Post-Case Filings, Case No. 2020-00174.

ORIGINAL FILED JUNE 18, 2024

Page 1 of 5

KENTUCKY POWER COMPANY

FUEL ADJUSTMENT CLAUSE SCHEDULE

Month Ended: May 2024

Fuel Fm (Fuel Cost Schedule)	<u>\$11,630,736</u>		
Sales Sm (Sales Schedule)	<u>411,878,407</u>	(+)	0.02824
Fuel (Fb)	<u>\$12,810,858</u>		
Sales (Sb)	<u>490,482,730</u>	(-)	<u>0.02612 *</u>
			<u>0.00212</u>

Effective Month for Billing July 2024

Submitted by:



(Signature)

Title: Vice President, Regulatory & Finance

Date Submitted: June 18, 2024

**Pursuant to PSC Order dated August 2, 2021 in Case No. 2021-00053.*

ORIGINAL FILED JUNE 18, 2024

Page 2 of 5

KENTUCKY POWER COMPANY

ESTIMATED FUEL COST SCHEDULE

Month Ended: May 2024

A. Company Generation				
Coal Burned	(+)		\$1,353,751	
Oil Burned	(+)		347,955	
Gas Burned	(+)		3,085,398	
Fuel (jointly owned plant)	(+)		0	
Fuel (assigned cost during Forced Outage)	(+)		0	
Fuel (substitute for Forced Outage)	(-)		0	
Sub Total			<u>4,787,104</u>	
B. Purchases				
Net Energy Cost - Economy Purchases	(+)		0	
Identifiable Fuel Cost - Other Purchases	(+)		8,636,530	
Identifiable Fuel Cost (substitute for Forced Outage)	(-)		0	
Sub Total			<u>8,636,530</u>	
C. Inter-System Sales Fuel Costs			<u>686,391</u>	
Sub Total			<u>686,391</u>	
D. Total Fuel Cost (A + B - C)			<u>\$12,737,243</u>	
E. Adjustment indicating the difference in actual fuel cost for the month of <u>April 2024</u> and the estimated cost originally reported. <u>\$11,430,610</u> - <u>\$12,789,462</u> = <u>(1,358,852)</u>				
F. Total Company Over or (Under) Recovery from Page 4, Line 12			<u>(602,460)</u>	
G. Grand Total Fuel Cost (D + E - F)			<u>\$11,980,851</u>	
H. Fuel-Related PJM Billing Line Items	<u>May 2024</u>			(350,115)
I. ADJUSTED GRAND TOTAL FUEL COSTS (G + H)			<u>\$11,630,736</u>	

ORIGINAL FILED JUNE 18, 2024

Page 3 of 5

KENTUCKY POWER COMPANY

SALES SCHEDULE

Month Ended: May 2024

		<u>Kilowatt-Hours</u>
A. Generation (Net)	(+)	161,071,000
Purchases Including Interchange In	(+)	<u>292,269,000</u>
Sub Total		453,340,000
 B. Pumped Storage Energy	(+)	0
Inter-System Sales Including Interchange Out	(+)	20,799,000
System Losses	(+)	<u>20,662,593</u> *
Sub Total		<u>41,461,593</u>
 Total Sales (A - B)		<u>411,878,407</u>

* Does not include 281,407 KWH of company usage.

ORIGINAL FILED JUNE 18, 2024

Page 4 of 5

KENTUCKY POWER COMPANY

OVER OR (UNDER) RECOVERY SCHEDULE

Month Ended: **May 2024**

**Line
No.**

1	FAC Rate Billed	(+)	0.01290
2	Retail KWH Billed at Above Rate	(x)	<u>373,320,238</u>
3	FAC Revenue/(Refund) (L1 * L2)		<u>4,815,831</u>
4	KWH Used to Determine Last FAC Rate Billed	(+)	425,311,577
5	Non-Jurisdictional KWH Included in L4	(-)	<u>5,909,318</u>
6	Kentucky Jurisdictional KWH Included in L4 (L4 - L5)		<u>419,402,259</u>
7	Recoverable FAC Revenue/(Refund) (L1 * L6)		5,410,289
8	Over or (Under) Recovery (L3 - L7)		(594,458)
9	Total Sales (Page 3)	(+)	411,878,407
10	Kentucky Jurisdictional Sales	(/)	<u>406,409,628</u>
11	Ratio of Total Sales to KY. Jurisdictional Sales (L9 / L10)		1.01346
12	Total Company Over or (Under) Recovery (L8 * L11)		<u>(602,460)</u>

ORIGINAL FILED JUNE 18, 2024

Page 5 of 5

KENTUCKY POWER COMPANY

**FINAL
FUEL COST SCHEDULE**

Month Ended: April 2024

A. Company Generation				
Coal Burned			(+)	\$2,942,491
Oil Burned			(+)	52,688
Gas Burned			(+)	3,071,457
Fuel (jointly owned plant)			(+)	0
Fuel (assigned cost during Forced Outage)				
(0 KWH X \$0.000000)			(+)	0
Fuel (substitute for Forced Outage)			(-)	<u>0</u>
	Sub-total			<u>6,066,636</u>
B. Purchases				
Net Energy Cost - Economy Purchases			(+)	0
Identifiable Fuel Cost - Other Purchases			(+)	6,987,008
Identifiable Fuel Cost (substitute for Forced Outage)				
(0 KWH X \$0.000000)			(-)	0
Purchase Adjustment for Peaking Unit Equivalent			(-)	954,125 (1)
	Sub-total			<u>6,032,883</u>
C. Inter-System Sales Fuel Costs				<u>668,909</u>
D. SUB-TOTAL FUEL COST (A + B - C)				<u>\$11,430,610</u>
E. Fuel-Related PJM Billing Line Items		<u>April 2024</u>		362,161
F. GRAND TOTAL FUEL COSTS (D + E)				<u>\$11,792,771</u>

(1) As calculated in accordance with KPSC 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.

REVISED PAGE AS FILED ON AUGUST 19, 2024
Changes highlighted in pink

KENTUCKY POWER COMPANY

SUMMARY OF ADJUSTMENT CLAUSES

Month Ended: May 2024

1 Fuel Adjustment Clause Factor (Page 1 of 5)	(+)	\$0.00422
2 System Sales Clause Factor	(+)	<u>\$0.00016</u> *
3 Total Adjustment Clause Factors		\$0.00438

Effective Month for Billing

Adjustment Within September FAC Billing Rate

Submitted by:



(Signature)

Title:

Director Regulatory Services

Date Submitted:

August 19, 2024

* See Form 1.0, 2023 System Sales Clause Update, August 14, 2023 filing in Post-Case Filings, Case No. 2020-00174.

REVISED PAGE AS FILED ON AUGUST 19, 2024
Changes highlighted in pink

Page 1 of 5

KENTUCKY POWER COMPANY

FUEL ADJUSTMENT CLAUSE SCHEDULE

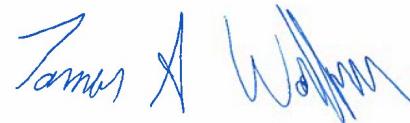
Month Ended: May 2024

Fuel Fm (Fuel Cost Schedule)	\$12,495,023		
Sales Sm (Sales Schedule)	411,878,407	(+)	0.03034
Fuel (Fb)	\$12,810,858		
Sales (Sb)	490,482,730	(-)	0.02612 *
			0.00422
			<hr/>

Effective Month for Billing

Adjustment Within September FAC Billing Rate

Submitted by:



(Signature)

Title:

Director Regulatory Services

Date Submitted:

August 19, 2024

*Pursuant to PSC Order dated August 2, 2021 in Case No. 2021-00053.

REVISED PAGE AS FILED ON AUGUST 19, 2024
 Changes highlighted in pink

Page 2 of 5

KENTUCKY POWER COMPANY

ESTIMATED FUEL COST SCHEDULE

Month Ended: May 2024

A. Company Generation				
Coal Burned	(+)	\$1,353,751		
Oil Burned	(+)	347,955		
Gas Burned	(+)	3,085,398		
Fuel (jointly owned plant)	(+)	0		
Fuel (assigned cost during Forced Outage)	(+)	0		
Fuel (substitute for Forced Outage)	(-)	0		
Sub Total		<u>4,787,104</u>		
B. Purchases				
Net Energy Cost - Economy Purchases	(+)	0		
Identifiable Fuel Cost - Other Purchases	(+)	8,636,530		
Identifiable Fuel Cost (substitute for Forced Outage)	(-)	0		
Sub Total		<u>8,636,530</u>		
C. Inter-System Sales Fuel Costs				
Sub Total		<u>686,391</u>		
D. Total Fuel Cost (A + B - C)		<u>\$12,737,243</u>		
E. Adjustment indicating the difference in actual fuel cost for the month of <u>April 2024</u> and the estimated cost originally reported. <u>\$12,294,897</u> - <u>\$12,789,462</u> = <u>(494,565)</u>				
F. Total Company Over or (Under) Recovery from Page 4, Line 12		<u>(602,460)</u>		
G. Grand Total Fuel Cost (D + E - F)		<u>\$12,845,138</u>		
H. Fuel-Related PJM Billing Line Items	<u>May 2024</u>			<u>(350,115)</u>
I. ADJUSTED GRAND TOTAL FUEL COSTS (G + H)				<u>\$12,495,023</u>

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 18, 2024

Page 3 of 5

KENTUCKY POWER COMPANY

SALES SCHEDULE

Month Ended: May 2024

		<u>Kilowatt-Hours</u>
A. Generation (Net)	(+)	161,071,000
Purchases Including Interchange In	(+)	<u>292,269,000</u>
Sub Total		453,340,000
 B. Pumped Storage Energy	(+)	0
Inter-System Sales Including Interchange Out	(+)	20,799,000
System Losses	(+)	<u>20,662,593</u> *
Sub Total		<u>41,461,593</u>
 Total Sales (A - B)		<u>411,878,407</u>

* Does not include 281,407 KWH of company usage.

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 18, 2024

Page 4 of 5

KENTUCKY POWER COMPANY
OVER OR (UNDER) RECOVERY SCHEDULE

Month Ended: **May 2024**

<u>Line No.</u>			
1	FAC Rate Billed	(+)	0.01290
2	Retail KWH Billed at Above Rate	(x)	<u>373,320,238</u>
3	FAC Revenue/(Refund) (L1 * L2)		<u>4,815,831</u>
4	KWH Used to Determine Last FAC Rate Billed	(+)	425,311,577
5	Non-Jurisdictional KWH Included in L4	(-)	<u>5,909,318</u>
6	Kentucky Jurisdictional KWH Included in L4 (L4 - L5)		<u>419,402,259</u>
7	Recoverable FAC Revenue/(Refund) (L1 * L6)		5,410,289
8	Over or (Under) Recovery (L3 - L7)		(594,458)
9	Total Sales (Page 3)	(+)	411,878,407
10	Kentucky Jurisdictional Sales	(/)	<u>406,409,628</u>
11	Ratio of Total Sales to KY. Jurisdictional Sales (L9 / L10)		1.01346
12	Total Company Over or (Under) Recovery (L8 * L11)		<u>(602,460)</u>

REVISED PAGE AS FILED ON AUGUST 19, 2024
 Changes highlighted in pink

Page 5 of 5

KENTUCKY POWER COMPANY

**FINAL
 FUEL COST SCHEDULE**

Month Ended: April 2024

A. Company Generation					
Coal Burned			(+)	\$2,942,491	
Oil Burned			(+)	52,688	
Gas Burned			(+)	3,071,457	
Fuel (jointly owned plant)			(+)	0	
Fuel (assigned cost during Forced Outage)			(-)		
	(0	KWH X	\$0.000000)	(+)	0
Fuel (substitute for Forced Outage)			(-)		
					<u>0</u>
					<u>6,066,636</u>
B. Purchases					
Net Energy Cost - Economy Purchases			(+)	0	
Identifiable Fuel Cost - Other Purchases			(+)	6,987,008	
Identifiable Fuel Cost (substitute for Forced Outage)			(-)	0	
	(0	KWH X	\$0.000000)	(-)	
Purchase Adjustment for Peaking Unit Equivalent					
					<u>89,838</u> (1)
					<u>6,897,170</u>
C. Inter-System Sales Fuel Costs					<u>668,909</u>
D. SUB-TOTAL FUEL COST (A + B - C)					<u>\$12,294,897</u>
E. Fuel-Related PJM Billing Line Items			April 2024		362,161
F. GRAND TOTAL FUEL COSTS (D + E)					<u>\$12,657,058</u>

(1) As calculated in accordance with KPSC 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.

April 2024
Fuel Adjustment Clause Backup Filing

ORIGINAL FILED 6/13/2024



DELIVERED VIA EMAIL TO PSCED@KY.GOV

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

ORIGINAL FILED 6/13/2024

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES

April 2024

<u>Station and Supplier</u> (a)	P	P					No.	FOB Mine		Trans Cost		Delivered Cost					
	B	O	P	M	Tons	BTU		Price	Cents Per	Per	Cents Per	Per	Cents Per	%	%		
	D	C	I	T	ST	Purchased	Per LB.	Per Ton	MMBTU	Ton	MMBTU	Ton	MMBTU	Sulfur	Ash		
U	N	(c1)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	
TOTAL KENTUCKY POWER																	
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
TOTAL SYSTEM WEIGHTED AVERAGE						73,273.89	12,663	25.32	74.10	294.36	3.07	12.36	77.16	306.73	1.65	8.49	7.30

(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

ORIGINAL FILED 6/13/2024

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES
 April 2024

Station and Supplier	P	P	Tons	BTU Per LB.	No. MMBTU Per Ton	FOB Mine		Trans Cost (A) (B)		Delivered Cost		Per Ton	Cents Per MMBTU	Per Ton	Cents Per MMBTU	%	Sulfur (o)	%	Ash (p)	%	H2O (q)									
	B D U	O C N				Purchased (f)	Price Per Ton (i)	Cents Per MMBTU (j)	Per Ton (k)	Cents Per MMBTU (l)	Per Ton (m)																			
<u>MITCHELL PLANT</u>																														
Long Term Contracts:																														
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	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													
Station Weighted Average						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													
Spot Market:													(A) (B)																	
Station Weighted Average																														
TOTAL STATION WEIGHTED AVERAGE						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.

Supplier	P	P	M	Station Name	ANALYSIS OF OIL PURCHASES		Delivered Cost Per Gal	Cents Per MMBTU
	B D U	O C N			T	Gal or Cu. Ft. Purchased		
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 B = Barge
(c1) PT = Product Type By contract, Product Types designate different commodity sources (mines)	T = Truck C = Conveyor Belt P = Pipeline
	(e) ST = State of origin

ORIGINAL FILED 6/13/2024

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

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

Designated by Symbol

R =Rail
 B =Barge
 T =Truck
 C =Conveyor Belt
 P =Pipeline

ORIGINAL FILED 6/13/2024

**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.

ORIGINAL FILED 6/13/2024

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

GAS INVENTORY SCHEDULE

		<u>MMBTU</u>	<u>Amount</u>	<u>\$/MMBTU</u>
Beginning Inventory	⁽¹⁾	(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	⁽¹⁾	(57,943.00)	\$ (83,437.91)	\$1.4400

⁽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.

ORIGINAL FILED 6/13/2024

**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

ORIGINAL FILED 6/13/2024

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

TRANSACTION TYPES *

SPOT MARKET ENERGY - DA
SPOT MARKET ENERGY - BAL

PJM MARKET SPOT ENERGY - DAY AHEAD
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

ORIGINAL FILED 6/13/2024

PURCHASES

TRANSACTION TYPE	BILLING COMPONENTS				TOTAL CHARGES (\$)
	MWH	FUEL CHARGE (\$)	DEMAND (\$)	OTHER 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
Subtotal:	268,492	(¹) 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
Subtotal:	0	0.00	0.00	0.00	0.00
INTERRUPTIBLE BUY/THROUGH	0	0.00	0.00	0.00	0.00
TOTALS:	268,492	6,987,007.60	0.00	0.00	6,987,007.60

	MWH	Total Energy Charges
(¹) SME PURCHASES - ALLOCATED TO SYSTEM SALES:	11,234	331,341.30
SME PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	257,258	6,655,666.30
ROCKPORT PURCHASES - ALLOCATED TO SYSTEM SALES:	0	0.00
ROCKPORT PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	0	0.00
LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:	268,492	6,987,007.60
NET INCLUDABLE ENERGY CHARGES:	0	0.00
	268,492	6,987,007.60

ORIGINAL FILED 6/13/2024

KENTUCKY POWER COMPANY
 POWER TRANSACTION SCHEDULE
 MONTH ENDED: APRIL 2024

<u>SALES</u>	KPCO DELIVERED MWH	BILLING COMPONENTS				
		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
PRIOR PERIOD ADJUSTMENT	25,139	25,139	668,909 ⁽¹⁾	0.00	7,001	675,909
INTERRUPTIBLE BUY/THROUGH	0	0	0.00	0.00	0.00	0.00
TOTALS:	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):	<hr/> 7,001

SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)	668,909
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)	331,341
Less: FUEL ALLOCATED TO SYSTEM SALES	331,341
INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)	<hr/> - 668,909

ORIGINAL FILED 6/13/2024

FINAL SCHEDULE APRIL 2024 COSTS - ACTUAL

KENTUCKY POWER COMPANY
 FUEL COST SCHEDULE
 MONTH ENDED: APRIL 2024

(A) COMPANY GENERATION

COAL BURNED
 OIL BURNED
 (3) GAS BURNED
 FUEL (JOINTLY OWNED PLANT)
 (1) FUEL (ASSIGNED COST DURING F.O.)
 FUEL (SUBSTITUTE FOR F.O.)

SUB-TOTAL

(B) PURCHASES

IDENTIFIABLE FUEL COST - OTHER PURCHASES
 IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES
 (1) IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)
 (2) IDENTIFIABLE FUEL COST (PEAKING UNIT EQUIVALENT)

SUB-TOTAL

(C) INTER-SYSTEM SALES

FUEL COSTS

TOTAL FUEL COSTS (A + B - C)

F.O. = FORCED OUTAGE

DETAILS:

(1) FUEL (ASSIGNED COST DURING FORCED OUTAGE)

TOTAL REPLACEMENT (IDENTIFIABLE FUEL COST)
 FUEL COST DUE TO F.O.:

	BIG SANDY 1	MITCHELL 1 KP	MITCHELL 2 KP	FUEL AMOUNTS (\$)
		2,120,409.35	822,081.63	2,942,490.98
		31,601.36	21,086.73	52,688.09
	3,071,456.95			3,071,456.95
				0.00

				6,066,636.02

TOTAL ALLOWABLE (IDENTIFIABLE FUEL COST)
 REPLACEMENT FUEL COST FOR F.O.:

0 kWh	0.000	MILLS/kWh	0.00
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

ORIGINAL FILED 6/13/2024

(Year:2024 Month:4 Cycle:Actual) East Purchase Power Report for Book Name: APR 2024 ACT EAST

=====	=====	TOTAL				ALLOCATED				FIRM			
		MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
NERC Id	Transaction Class	MWH	ENERGY COST	FUEL COST	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	48257.825	1408616.38	1408616.38	5835.825	217544.48	217544.48	42422	1191071.9	1191071.9	1191071.9	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	5464594.4	5464594.4	5464594.4
Total		268491.525	6987007.6	6987007.6	11233.948	331341.3	331341.3	257257.58	6655666.3	6655666.3	6655666.3	6655666.3	6655666.3

ORIGINAL FILED 6/13/2024

APPENDIX A

**KENTUCKY POWER COMPANY
BIG SANDY - TOTAL PLANT
April 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)	166.8
c.	Net Demonstrated Capability (MW)	295.4
d.	Net Capability Factor (%)	42.8
2.	Heat Rate:	
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.	Operating Availability:	
a.	Hours Unit Operated	520.7
b.	Hours Available	545.7
c.	Hours During the Period	720.0
d.	Availability Factor (%)	75.8
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (Cents/KWH)	3.2
b.	Net Generation - FAC Basis (Cents/KWH)	3.4
5.	Inventory Analysis:	
a.	Number of Days Supply based on actual burn at the station	NA

ORIGINAL FILED 6/13/2024

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.	Unit Performance:		
	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.	Heat Rate:		
	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.	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)	4.0	4.0
5.	Inventory Analysis:		
	a. Number of Days Supply based on 12 Month actual burn at the station	320.2	320.2

ORIGINAL FILED 6/13/2024

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

ORIGINAL FILED 6/13/2024

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		

ORIGINAL FILED 6/13/2024

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

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024



DELIVERED VIA EMAIL TO PSCED@KY.GOV

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

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on June 14, 2024

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES
 April 2024

Station and Supplier (a)	P	P				Tons (f)	BTU Per LB. (g)	No. MMBTU Per Ton (h)	FOB Mine		Trans Cost		Delivered Cost				
	B (b)	O (c)	P (I)	M (d)	ST (e)				Price Per Ton (i)	Cents Per MMBTU (j)	Per Ton (k)	Cents Per MMBTU (l)	Per Ton (m)	Cents Per MMBTU (n)	% Sulfur (o)	% Ash (p)	% H2O (q)
TOTAL KENTUCKY POWER																	
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
TOTAL SYSTEM WEIGHTED AVERAGE						73,273.89	12,663	25.32	74.10	294.36	3.07	12.36	77.16	306.73	1.65	8.49	7.30

(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

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on June 14, 2024

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES
 April 2024

<u>Station and Supplier</u> (a)	P	P	P I (c1)	M I (d)	ST (e)	Tons (f)	BTU Per LB. (g)	No. MMBTU Per Ton (h)	FOB Mine		Trans Cost (A) (B)		Delivered Cost							
	B C (b)	O N (c)							Price Per Ton (i)	Cents Per MMBTU (j)	Per Ton (k)	Cents Per MMBTU (l)	Per Ton (m)	Cents Per MMBTU (n)	% Sulfur (o)	% Ash (p)	% H2O (q)			
MITCHELL PLANT																				
Long Term Contracts:																				
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	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			
Station Weighted Average						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			
Spot Market:															(A) (B)					
Station Weighted Average																				
TOTAL STATION WEIGHTED AVERAGE						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

<u>Supplier</u>	P	P	M I (T)	Station Name	Gal or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU
	B C (U)	O N (P)						
Marathon Petroleum LP	P	03-FO-22-001		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

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on June 14, 2024

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

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024

**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.

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on June 14, 2024

KENTUCKY POWER COMPANY
BIG SANDY PLANT
April 2024

GAS INVENTORY SCHEDULE

	<u>MMBTU</u>	<u>Amount</u>	<u>\$/MMBTU</u>
Beginning Inventory ⁽¹⁾	(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 ⁽¹⁾	<u>(57,943.00)</u>	<u>\$ (83,437.91)</u>	<u>\$1.4400</u>

⁽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.

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024

**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

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024

**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

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on June 14, 2024

PURCHASES

TRANSACTION TYPE	BILLING COMPONENTS				TOTAL CHARGES (\$)
	MWH	FUEL CHARGE (\$)	DEMAND (\$)	OTHER 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
Subtotal:	268,492	(¹) 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
Subtotal:	0	0.00	0.00	0.00	0.00
INTERRUPTIBLE BUY/THROUGH	0	0.00	0.00	0.00	0.00
TOTALS:	268,492	6,987,007.60	0.00	0.00	6,987,007.60

⁽¹⁾ SME PURCHASES - ALLOCATED TO SYSTEM SALES:

	<u>MWH</u>	<u>Total Energy Charges</u>
SME PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	11,234	331,341.30
ROCKPORT PURCHASES - ALLOCATED TO SYSTEM SALES:	257,258	6,655,666.30
ROCKPORT PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:	0	0.00
	0	0.00
	268,492	6,987,007.60
LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:	0	0.00
NET INCLUDABLE ENERGY CHARGES:	268,492	6,987,007.60

NET INCLUDABLE ENERGY CHARGES:

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024

KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
MONTH ENDED: APRIL 2024

<u>SALES</u>	KPCO DELIVERED MWH	BILLING COMPONENTS				
		SUPPLIED BY KPCO SOURCES			DEMAND (\$)	OTHER CHARGES (\$)
		MWH	FUEL CHARGE (\$)			
TRANSACTION TYPE						
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
PRIOR PERIOD ADJUSTMENT	25,139	25,139	668,909 ⁽¹⁾	0.00	7,001	675,909
INTERRUPTIBLE BUY/THROUGH	0	0	0.00	0.00	0.00	0.00
TOTALS:	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

AFP 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):

7.001

SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)

668,909

ADD: ALLOCATED TO SYSTEM SALES (PAGE 2)

331 341

Less: FUEL ALLOCATED TO SYSTEM SALES

331,341

INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)

668.909

REVISED PAGE AS FILED ON AUGUST 19, 2022
 Changes highlighted in pink

FINAL SCHEDULE APRIL 2024 COSTS - ACTUAL

KENTUCKY POWER COMPANY
FUEL COST SCHEDULE
MONTH ENDED: APRIL 2024

(A) COMPANY GENERATION

COAL BURNED
 OIL BURNED
⁽³⁾ GAS BURNED
 FUEL (JOINTLY OWNED PLANT)
⁽¹⁾ FUEL (ASSIGNED COST DURING F.O.)

FUEL (SUBSTITUTE FOR F.O.)

SUB-TOTAL

(B) PURCHASES

IDENTIFIABLE FUEL COST - OTHER PURCHASES
 IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES
⁽¹⁾ IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)
⁽²⁾ IDENTIFIABLE FUEL COST (PEAKING UNIT EQUIVALENT)

SUB-TOTAL

(C) INTER-SYSTEM SALES

FUEL COSTS

TOTAL FUEL COSTS (A + B - C)

F.O. = FORCED OUTAGE

DETAILS:

⁽¹⁾ FUEL (ASSIGNED COST DURING FORCED OUTAGE)

TOTAL REPLACEMENT (IDENTIFIABLE FUEL COST)

FUEL COST DUE TO F.O.:

TOTAL ALLOWABLE (IDENTIFIABLE FUEL COST)

REPLACEMENT FUEL COST FOR F.O.:

	BIG SANDY 1	MITCHELL 1 KP	MITCHELL 2 KP	FUEL AMOUNTS (\$)
COAL BURNED		2,120,409.35	822,081.63	2,942,490.98
OIL BURNED		31,601.36	21,086.73	52,688.09
⁽³⁾ GAS BURNED	3,071,456.95			3,071,456.95
FUEL (JOINTLY OWNED PLANT)				-----
⁽¹⁾ FUEL (ASSIGNED COST DURING F.O.)				0.00
FUEL (SUBSTITUTE FOR F.O.)				-----
SUB-TOTAL				6,066,636.02

6,987,007.60

0.00

0.00

89,837.60

6,897,170.00

668,908.55

12,294,897.47

0 kWh 0.000 MILL\$/kWh 0.00

0 kWh 0.000 MILL\$/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:4 Cycle:Actual) East Purchase Power Report for Book Name: APR 2024 ACT EAST

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024

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

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024

APPENDIX A

**KENTUCKY POWER COMPANY
BIG SANDY - TOTAL PLANT
April 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)	166.8
c.	Net Demonstrated Capability (MW)	295.4
d.	Net Capability Factor (%)	42.8
2.	Heat Rate:	
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.	Operating Availability:	
a.	Hours Unit Operated	520.7
b.	Hours Available	545.7
c.	Hours During the Period	720.0
d.	Availability Factor (%)	75.8
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (Cents/KWH)	3.2
b.	Net Generation - FAC Basis (Cents/KWH)	3.4
5.	Inventory Analysis:	
a.	Number of Days Supply based on actual burn at the station	NA

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on June 14, 2024

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.	Unit Performance:		
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.	Heat Rate:		
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.	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)	4.0	4.0
5.	Inventory Analysis:		
a.	Number of Days Supply based on 12 Month actual burn at the station	320.2	320.2

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024

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

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on June 14, 2024

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

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on June 14, 2024

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		

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on June 14, 2024

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

July 2023 (FAC Page 5 of 5)
Fuel Adjustment Clause Filing

ORIGINAL FILED SEPTEMBER 18, 2023



DELIVERED VIA EMAIL TO PSCED@KY.GOV

September 18, 2023

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

RE: Standard Fuel Adjustment Clause Filing

Dear Ms. Bridwell:

Enclosed are Kentucky Power Company's Fuel Adjustment Clause Schedules with supporting sales and fuel cost schedules for the October 2023 billing month. These calculations are based on estimated August 2023 fuel cost with an adjustment reflecting actual July 2023 fuel costs.

If you have any questions, please contact me at 606-327-2603.

Sincerely,



Brian K. West
Vice President, Regulatory & Finance
Enclosure

ORIGINAL FILED SEPTEMBER 18, 2023

KENTUCKY POWER COMPANY

SUMMARY OF ADJUSTMENT CLAUSES

Month Ended: August 2023

1 Fuel Adjustment Clause Factor (Page 1 of 5)	(+)	\$0.00974
2 System Sales Clause Factor	(+)	<u>(\$0.00066)</u> *
3 Total Adjustment Clause Factors		\$0.00908

Effective Month for Billing

October 2023

Submitted by:



(Signature)

Title:

Vice President, Regulatory & Finance

Date Submitted:

September 18, 2023

* See Form 1.0, 2022 System Sales Clause Update, August 9, 2022 filing in Post-Case Filings, Case No. 2020-00174.

ORIGINAL FILED SEPTEMBER 18, 2023

Page 1 of 5

KENTUCKY POWER COMPANY

FUEL ADJUSTMENT CLAUSE SCHEDULE

Month Ended: August 2023

Fuel Fm (Fuel Cost Schedule)	<u>\$16,751,171</u>		
Sales Sm (Sales Schedule)	<u>467,128,731</u>	(+)	0.03586
Fuel (Fb)	<u>\$12,810,858</u>		
Sales (Sb)	<u>490,482,730</u>	(-)	<u>0.02612</u> *
			<u>0.00974</u>

Effective Month for Billing

October 2023

Submitted by:



(Signature)

Title:

Vice President, Regulatory & Finance

Date Submitted:

September 18, 2023

**Pursuant to PSC Order dated August 2, 2021 in Case No. 2021-00053.*

ORIGINAL FILED SEPTEMBER 18, 2023

Page 2 of 5

KENTUCKY POWER COMPANY

ESTIMATED FUEL COST SCHEDULE

Month Ended: August 2023

A. Company Generation				
Coal Burned	(+)	\$9,555,066		
Oil Burned	(+)	227,694		
Gas Burned	(+)	2,829,870		
Fuel (jointly owned plant)	(+)	0		
Fuel (assigned cost during Forced Outage)	(+)	0		
Fuel (substitute for Forced Outage)	(-)	0		
Sub Total		<u>12,612,630</u>		
B. Purchases				
Net Energy Cost - Economy Purchases	(+)	0		
Identifiable Fuel Cost - Other Purchases	(+)	5,362,326		
Identifiable Fuel Cost (substitute for Forced Outage)	(-)	0		
Sub Total		<u>5,362,326</u>		
C. Inter-System Sales Fuel Costs				
Sub Total		<u>1,317,062</u>		
D. Total Fuel Cost (A + B - C)		<u><u>\$16,657,894</u></u>		
E. Adjustment indicating the difference in actual fuel cost for the month of <u>July 2023</u> and the estimated cost originally reported. <u><u>\$15,155,431</u></u> - <u><u>\$15,803,854</u></u> = <u><u>(648,423)</u></u>				
F. Total Company Over or (Under) Recovery from Page 4, Line 12		<u>285,660</u>		
G. Grand Total Fuel Cost (D + E - F)		<u><u>\$15,723,811</u></u>		
H. Fuel-Related PJM Billing Line Items	<u>August 2023</u>			1,027,360
I. ADJUSTED GRAND TOTAL FUEL COSTS (G + H)				<u><u>\$16,751,171</u></u>

ORIGINAL FILED SEPTEMBER 18, 2023

Page 3 of 5

KENTUCKY POWER COMPANY

SALES SCHEDULE

Month Ended: August 2023

		<u>Kilowatt-Hours</u>
A. Generation (Net)	(+)	381,388,000
Purchases Including Interchange In	(+)	<u>154,089,000</u>
Sub Total		535,477,000
 B. Pumped Storage Energy	(+)	0
Inter-System Sales Including Interchange Out	(+)	44,066,000
System Losses	(+)	<u>24,282,269</u> *
Sub Total		<u>68,348,269</u>
 Total Sales (A - B)		<u>467,128,731</u>

* Does not include 327,731 KWH of company usage.

ORIGINAL FILED SEPTEMBER 18, 2023

Page 4 of 5

KENTUCKY POWER COMPANY
OVER OR (UNDER) RECOVERY SCHEDULE

Month Ended: August 2023

<u>Line No.</u>		
1	FAC Rate Billed	(+) 0.00625
2	Retail KWH Billed at Above Rate	(x) <u>457,300,706</u>
3	FAC Revenue/(Refund) (L1 * L2)	<u>2,858,129</u>
4	KWH Used to Determine Last FAC Rate Billed	(+) 417,684,971
5	Non-Jurisdictional KWH Included in L4	(-) <u>5,458,892</u>
6	Kentucky Jurisdictional KWH Included in L4 (L4 - L5)	<u>412,226,079</u>
7	Recoverable FAC Revenue/(Refund) (L1 * L6)	2,576,413
8	Over or (Under) Recovery (L3 - L7)	281,716
9	Total Sales (Page 3)	(+) 467,128,731
10	Kentucky Jurisdictional Sales	(/) <u>460,678,769</u>
11	Ratio of Total Sales to KY. Jurisdictional Sales (L9 / L10)	1.01400
12	Total Company Over or (Under) Recovery (L8 * L11)	<u>285,660</u>

ORIGINAL FILED SEPTEMBER 18, 2023

Page 5 of 5

KENTUCKY POWER COMPANY

**FINAL
FUEL COST SCHEDULE**

Month Ended: July 2023

A. Company Generation				
Coal Burned	(+)	\$12,253,058		
Oil Burned	(+)	269,149		
Gas Burned	(+)	3,195,401		
Fuel (jointly owned plant)	(+)	0		
Fuel (assigned cost during Forced Outage)				
(28,236,585 KWH X \$0.027691)	(+)	781,899		
Fuel (substitute for Forced Outage)	(-)	<u>0</u>		
	Sub-total			<u>16,499,506</u>
B. Purchases				
Net Energy Cost - Economy Purchases	(+)	0		
Identifiable Fuel Cost - Other Purchases	(+)	4,895,716		
Identifiable Fuel Cost (substitute for Forced Outage)				
(28,236,585 KWH X \$0.045772)	(-)	1,292,445		
Purchase Adjustment for Peaking Unit Equivalent	(-)	73,961 (1)		
	Sub-total			<u>3,529,310</u>
C. Inter-System Sales Fuel Costs				<u>4,873,386</u>
D. SUB-TOTAL FUEL COST (A + B - C)				<u>\$15,155,431</u>
E. Fuel-Related PJM Billing Line Items		July 2023		1,188,567
F. GRAND TOTAL FUEL COSTS (D + E)				<u>\$16,343,999</u>

(1) As calculated in accordance with KPSC 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.

REVISED PAGE AS FILED ON AUGUST 19, 2024
Changes highlighted in pink

KENTUCKY POWER COMPANY

SUMMARY OF ADJUSTMENT CLAUSES

Month Ended: August 2023

1 Fuel Adjustment Clause Factor (Page 1 of 5)	(+)	\$0.00984
2 System Sales Clause Factor	(+)	<u>\$0.00016</u> *
3 Total Adjustment Clause Factors		\$0.01000

Effective Month for Billing

Adjustment Within September FAC Billing Rate

Submitted by:



(Signature)

Title:

Director Regulatory Services

Date Submitted:

August 19, 2024

* See Form 1.0, 2022 System Sales Clause Update, August 9, 2022 filing in Post-Case Filings, Case No. 2020-00174.

REVISED PAGE AS FILED ON AUGUST 19, 2024
Changes highlighted in pink

Page 1 of 5

KENTUCKY POWER COMPANY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Month Ended: August 2023

Fuel Fm (Fuel Cost Schedule)	<u>\$16,798,598</u>		
Sales Sm (Sales Schedule)	467,128,731	(+)	0.03596
Fuel (Fb)	<u>\$12,810,858</u>		
Sales (Sb)	490,482,730	(-)	<u>0.02612 *</u>
			<u>0.00984</u>

Effective Month for Billing Adjustment Within September FAC Billing Rate

Submitted by:



(Signature)

Title:

Director Regulatory Services

Date Submitted:

August 19, 2024

*Pursuant to PSC Order dated August 2, 2021 in Case No. 2021-00053.

REVISED PAGE AS FILED ON AUGUST 19, 2024
 Changes highlighted in pink

Page 2 of 5

KENTUCKY POWER COMPANY

ESTIMATED FUEL COST SCHEDULE

Month Ended: August 2023

A. Company Generation				
Coal Burned	(+)	\$9,555,066		
Oil Burned	(+)	227,694		
Gas Burned	(+)	2,829,870		
Fuel (jointly owned plant)	(+)	0		
Fuel (assigned cost during Forced Outage)	(+)	0		
Fuel (substitute for Forced Outage)	(-)	0		
Sub Total		<u>12,612,630</u>		
B. Purchases				
Net Energy Cost - Economy Purchases	(+)	0		
Identifiable Fuel Cost - Other Purchases	(+)	5,362,326		
Identifiable Fuel Cost (substitute for Forced Outage)	(-)	0		
Sub Total		<u>5,362,326</u>		
C. Inter-System Sales Fuel Costs				
Sub Total		<u>1,317,062</u>		
D. Total Fuel Cost (A + B - C)		<u>\$16,657,894</u>		
E. Adjustment indicating the difference in actual fuel cost for the month of <u>July 2023</u> and the estimated cost originally reported. <u>\$15,202,858</u> - <u>\$15,803,854</u> = <u>(600,996)</u>				
F. Total Company Over or (Under) Recovery from Page 4, Line 12		<u>285,660</u>		
G. Grand Total Fuel Cost (D + E - F)		<u>\$15,771,238</u>		
H. Fuel-Related PJM Billing Line Items	<u>August 2023</u>			1,027,360
I. ADJUSTED GRAND TOTAL FUEL COSTS (G + H)				<u>\$16,798,598</u>

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 18, 2023

Page 3 of 5

KENTUCKY POWER COMPANY

SALES SCHEDULE

Month Ended: August 2023

		<u>Kilowatt-Hours</u>
A. Generation (Net)	(+)	381,388,000
Purchases Including Interchange In	(+)	<u>154,089,000</u>
Sub Total		535,477,000
 B. Pumped Storage Energy	(+)	0
Inter-System Sales Including Interchange Out	(+)	44,066,000
System Losses	(+)	<u>24,282,269</u> *
Sub Total		<u>68,348,269</u>
 Total Sales (A - B)		<u>467,128,731</u>

* Does not include 327,731 KWH of company usage.

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 18, 2023

Page 4 of 5

KENTUCKY POWER COMPANY
OVER OR (UNDER) RECOVERY SCHEDULE

Month Ended: **August 2023**

<u>Line No.</u>			
1	FAC Rate Billed	(+)	0.00625
2	Retail KWH Billed at Above Rate	(x)	<u>457,300,706</u>
3	FAC Revenue/(Refund) (L1 * L2)		<u>2,858,129</u>
4	KWH Used to Determine Last FAC Rate Billed	(+)	417,684,971
5	Non-Jurisdictional KWH Included in L4	(-)	<u>5,458,892</u>
6	Kentucky Jurisdictional KWH Included in L4 (L4 - L5)		<u>412,226,079</u>
7	Recoverable FAC Revenue/(Refund) (L1 * L6)		2,576,413
8	Over or (Under) Recovery (L3 - L7)		281,716
9	Total Sales (Page 3)	(+)	467,128,731
10	Kentucky Jurisdictional Sales	(/)	<u>460,678,769</u>
11	Ratio of Total Sales to KY. Jurisdictional Sales (L9 / L10)		1.01400
12	Total Company Over or (Under) Recovery (L8 * L11)		<u>285,660</u>

REVISED PAGE AS FILED ON AUGUST 19, 2024
 Changes highlighted in pink

Page 5 of 5

KENTUCKY POWER COMPANY

**FINAL
 FUEL COST SCHEDULE**

Month Ended: July 2023

A. Company Generation				
Coal Burned	(+)		\$12,253,058	
Oil Burned	(+)		269,149	
Gas Burned	(+)		3,195,401	
Fuel (jointly owned plant)	(+)		0	
Fuel (assigned cost during Forced Outage)				
(7,927,040 KWH X \$0.036486)	(+)		289,226	
Fuel (substitute for Forced Outage)	(-)		0	
		Sub-total		<u>16,006,833</u>
B. Purchases				
Net Energy Cost - Economy Purchases	(+)		0	
Identifiable Fuel Cost - Other Purchases	(+)		4,895,716	
Identifiable Fuel Cost (substitute for Forced Outage)				
(7,927,040 KWH X \$0.080276)	(-)		636,351	
Purchase Adjustment for Peaking Unit Equivalent	(-)		189,955	(1)
		Sub-total		<u>4,069,410</u>
C. Inter-System Sales Fuel Costs				<u>4,873,386</u>
D. SUB-TOTAL FUEL COST (A + B - C)				<u>\$15,202,858</u>
E. Fuel-Related PJM Billing Line Items		July 2023		1,188,567
F. GRAND TOTAL FUEL COSTS (D + E)				<u>\$16,391,425</u>

(1) As calculated in accordance with KPSC 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.

July 2023
Fuel Adjustment Clause Backup Filing

ORIGINAL FILED SEPTEMBER 12, 2023



DELIVERED VIA EMAIL TO PSCED@KY.GOV

September 14, 2023

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 July, 2023 the required backup information for the fuel adjustment clause applied to customers' bills in the month of September, 2023:

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

ORIGINAL FILED SEPTEMBER 12, 2023

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES
 July 2023

<u>Station and Supplier</u>	<u>P</u>	<u>B</u>	<u>D</u>	<u>P</u>	<u>O</u>	<u>C</u>	<u>I</u>	<u>M</u>	<u>Tons</u>	<u>BTU</u>	<u>No.</u>	<u>FOB Mine</u>	<u>Trans Cost</u>	<u>Delivered Cost</u>	<u>Per Ton</u>	<u>Cents Per MMBTU</u>	<u>Per Ton</u>	<u>Cents Per MMBTU</u>	<u>Per Ton</u>	<u>Cents Per MMBTU</u>	<u>% Sulfur</u>	<u>% Ash</u>	<u>% H2O</u>
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)							
<u>TOTAL KENTUCKY POWER</u>																							
ACNR Coal Sales, Inc.	P	07-77-05-900ACNR-C	A	C	WV	50,000.00	12,820	25.64	41.18	160.60	0.00	0.00	41.18	160.60	2.24	8.59	6.37						
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	4,658.50	12,213	24.43	167.67	686.32	9.22	37.74	176.89	724.06	0.88	12.12	6.98						
Blackhawk Coal Sales	P	03-00-21-9M1	A	B	WV	11,704.70	12,059	24.12	54.88	227.51	7.85	32.55	62.73	260.06	0.81	13.16	6.53						
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	3,106.90	12,079	24.16	77.04	318.86	7.85	32.49	84.89	351.36	0.84	12.59	6.99						
Alpha Thermal CS Company (C)	P	03-00-21-9M2	A	B	WV	714.40	12,062	24.12	56.76	235.34	29.17	120.95	85.94	356.28	0.79	12.04	7.65						
Alpha Thermal CS Company (C)	P	03-00-21-9M3	A	B	WV	2,537.05	12,193	24.39	71.63	293.67	3.13	12.85	74.76	306.52	0.68	11.80	6.96						
Noble Coal, LLC	P	03-00-22-002	A	B	KY	2,318.60	12,466	24.93	172.36	691.37	8.06	32.32	180.42	723.69	1.34	8.53	7.54						
BAMM, Inc.	P	03-00-21-003	A	B	KY	3,024.70	12,231	24.46	72.87	297.93	8.44	34.51	81.31	332.44	0.91	9.58	8.38						
Alliance	P	03-00-22-9M3	A	B	WV	20,154.00	12,490	24.98	90.49	362.23	0.50	1.99	90.98	364.22	2.87	9.31	6.96						
Case Coal Sales,LLC	P	03-00-21-002	A	B	KY	1,574.55	11,785	23.57	82.93	351.84	8.06	34.19	90.99	386.03	0.91	11.65	7.49						
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	5,896.65	12,878	25.76	164.74	639.51	10.72	41.61	175.46	681.12	0.86	6.47	7.86						
Blackhawk Coal Sales	P	03-00-23-9M2	A	B	WV	9,833.80	12,187	24.37	171.27	702.80	7.20	29.55	178.47	732.35	0.87	12.65	6.20						
River Trading	P	03-00-21-004	A	B	KY	1,642.04	11,819	23.64	81.73	345.72	8.63	36.49	90.36	382.21	1.22	11.70	8.10						
Blackhawk Coal Sales	P	03-00-23-9M1	A	B	WV	5,412.30	12,169	24.34	109.23	448.78	7.85	32.25	117.08	481.03	0.80	11.78	7.20						
TOTAL SYSTEM WEIGHTED AVERAGE						122,578.19	12,509	25.02	80.76	324.95	3.64	14.85	84.39	339.80	1.76	9.94	6.74						

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

(d) MT = Mode of Transportation

Designated by Symbol

R = Rail

B = Barge

T = Truck

C = Conveyer 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

ORIGINAL FILED SEPTEMBER 12, 2023

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES
 July 2023

Station and Supplier (a)	P	P	P M (c)	I I (c1) (d)	ST (e)	Tons Purchased (f)	BTU Per LB. (g)	No. MMBTU Per Ton (h)	FOB Mine		Trans Cost (A) (B)		Delivered Cost				
	B C (b)	O N (c)							Price Per Ton (i)	Cents Per MMBTU (j)	Per Ton (k)	Cents Per MMBTU (l)	Per Ton (m)	Cents Per MMBTU (n)	% Sulfur (o)	% Ash (p)	% H2O (q)
Mitchell Plant																	
Long Term Contracts:																	
ACNR Coal Sales, Inc.	P	07-77-05-900ACNR-C	A	C	WV	100,000.00	12,820	25.64	41.18	160.60	0.00	0.00	41.18	160.60	2.24	8.59	6.37
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	9,317.00	12,213	24.43	167.67	686.32	9.22	37.74	176.89	724.06	0.88	12.12	6.98
Blackhawk Coal Sales	P	03-00-21-9M1	A	B	WV	23,409.40	12,059	24.12	54.88	227.51	7.85	32.55	62.73	260.06	0.81	13.16	6.53
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	6,213.80	12,079	24.16	77.04	318.86	7.85	32.49	84.89	351.36	0.84	12.59	6.99
Alpha Thermal CS Company (C) (D)	P	03-00-21-9M2	A	B	WV	1,428.80	12,062	24.12	56.76	235.34	29.17	120.95	85.94	356.28	0.79	12.04	7.65
Alpha Thermal CS Company (C)	P	03-00-21-9M3	A	B	WV	5,074.10	12,193	24.39	71.63	293.67	3.13	12.85	74.76	306.52	0.68	11.80	6.96
Noble Coal, LLC	P	03-00-22-002	A	B	KY	4,637.20	12,466	24.93	172.36	691.37	8.06	32.32	180.42	723.69	1.34	8.53	7.54
BAMM, Inc.	P	03-00-21-003	A	B	KY	6,049.40	12,231	24.46	72.87	297.93	8.44	34.51	81.31	332.44	0.91	9.58	8.38
Alliance	P	03-00-22-9M3	A	B	WV	40,308.00	12,490	24.98	90.49	362.23	0.50	1.99	90.98	364.22	2.87	9.31	6.96
Case Coal Sales,LLC	P	03-00-21-002	A	B	KY	3,149.10	11,785	23.57	82.93	351.84	8.06	34.19	90.99	386.03	0.91	11.65	7.49
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	11,793.30	12,878	25.76	164.74	639.51	10.72	41.61	175.46	681.12	0.86	6.47	7.86
Station Weighted Average						211,380.10	12,567	25.14	70.86	283.13	3.01	12.26	73.87	295.38	1.90	9.56	6.75
Spot Market:																	
Blackhawk Coal Sales	P	03-00-23-9M2	A	B	WV	19,667.60	12,187	24.37	171.27	702.80	7.20	29.55	178.47	732.35	0.87	12.65	6.20
River Trading	P	03-00-21-004	A	B	KY	3,284.07	11,819	23.64	81.73	345.72	8.63	36.49	90.36	382.21	1.22	11.70	8.10
Blackhawk Coal Sales	P	03-00-23-9M1	A	B	WV	10,824.60	12,169	24.34	109.23	448.78	7.85	32.25	117.08	481.03	0.80	11.78	7.20
Station Weighted Average						33,776.27	12,145	24.29	142.68	586.67	7.55	31.09	150.23	617.76	0.88	12.28	6.71
TOTAL STATION WEIGHTED AVERAGE						245,156.37	12,509	25.02	80.76	324.95	3.64	14.85	84.39	339.80	1.76	9.94	6.74

Notes

(A) There were demurrage charges of \$30,700 (\$15,350 KYPCo share) so the transportation costs reported for July 2023 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.
 (D) Transportation costs on this contract include adjustments for June 2023 shipments.

ANALYSIS OF OIL PURCHASES													
Supplier	P	O	M	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	I	Mitchell	240,207.00	138,914.00	2.61	1,876.16					
MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES													

Kentucky Power Share of Oil Receipts	120,103.50
Mitchell Total Oil Receipts	240,207.00
Mitchell - Kentucky Power Oil Receipts Ratio	50.00%
Marathon Petroleum LP	120,103.50

(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

ORIGINAL FILED SEPTEMBER 12, 2023

KENTUCKY POWER COMPANY
 ANALYSIS OF GAS PURCHASES
 July 2023

<u>Supplier</u> (a)	<u>P O C N</u> (b)	<u>M I</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	992,000	970,859	1,790,560.00	1.81	1.84	-
MACQUARIE	-	P	Big Sandy	540,000	528,492	917,987.50	1.70	1.74	-
MERCURIAEA	-	P	Big Sandy	10,000	9,787	18,350.00	1.84	1.87	-
Columbia Gas	173522 & 177527	P	Big Sandy			17,647.10	0.00	-	
Columbia Gas - Reservation Fee	173522	P	Big Sandy			524,390.40	0.00	-	
				<u>1,542,000</u>	<u>1,509,138</u>	<u>3,268,935.00</u>			

(b) POCN = Purchase Order or Contract Number

(c) MT = Mode of Transportation
 Designated by Symbol

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

R =Rail
 B =Barge
 T =Truck
 C =Conveyor Belt
 P =Pipeline

ORIGINAL FILED SEPTEMBER 12, 2023

**KENTUCKY POWER COMPANY
MITCHELL PLANT - KPCO SHARE
July-2023**

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		575,906.31	\$51,831,101.06	\$89.9992
Purchases		122,578.19	\$10,344,905.31	\$84.3943
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		698,484.50	\$62,176,006.37	\$89.0156
Less Coal Burned		150,966.50	\$12,253,057.66	\$81.1641
Ending Inventory		547,518.00	\$49,922,948.71	\$91.1805

1 No Coal Pile Survey Adjustment this reporting period.

ORIGINAL FILED SEPTEMBER 12, 2023

**KENTUCKY POWER COMPANY
BIG SANDY PLANT
July 2023**

GAS INVENTORY SCHEDULE

		<u>MMBTU</u>	<u>Amount</u>	<u>\$/MMBTU</u>
Beginning Inventory	⁽¹⁾	(37,601.00)	\$ (60,161.57)	\$1.6000
Purchases		1,509,138.00	\$ 3,268,935.00	\$2.1661
Gas Sales		0.00	\$ -	\$0.0000
Adjustments(Imbalance point usage)		0.00	\$ -	\$0.0000
Sub-Total		1,471,537.00	\$ 3,208,773.43	\$2.1806
Less Disposed				
Generation		1,463,549.00	\$ 3,195,400.67	\$2.1833
Loss or (Gain) on Sale		0.00	\$ (0.01)	\$0.0000
Other(Tax expense)		0.00	\$ -	\$0.0000
Ending Inventory	⁽¹⁾	7,988.00	\$ 13,372.77	\$1.6741

⁽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.

ORIGINAL FILED SEPTEMBER 12, 2023

**KENTUCKY POWER COMPANY
MITCHELL PLANT - KPCO SHARE
July-2023**

OIL INVENTORY SCHEDULE

	<u>Gallons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	350,480.15	\$1,047,568.12	\$2.9890
Purchases	120,103.50	\$313,018.95	\$2.6062
Adjustments	0.00	\$0.00	\$0.0000
Sub-Total	470,583.65	\$1,360,587.07	\$2.8913
Less Disposed			
Generation	93,090.00	\$269,148.78	\$2.8913
Chemical Cleaning/Other	0.00	\$0.00	\$0.0000
Ending Inventory	377,493.65	\$1,091,438.29	\$2.8913

ORIGINAL FILED SEPTEMBER 12, 2023

**KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
July 2023**

TRANSACTION TYPES *

SPOT MARKET ENERGY - DA
SPOT MARKET ENERGY - BAL

PJM MARKET SPOT ENERGY - DAY AHEAD
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: JULY 2023

ORIGINAL FILED SEPTEMBER 12, 2023

PURCHASES

TRANSACTION TYPE	BILLING COMPONENTS				
	MWH	FUEL CHARGE (\$)	DEMAND (\$)	OTHER CHARGES (\$)	TOTAL CHARGES (\$)
SPOT MARKET ENERGY - BAL	81,663	3,334,047.29	0.00	0.00	3,334,047.29
SPOT MARKET ENERGY - DA	48,160	1,561,668.82	0.00	0.00	1,561,668.82
Subtotal:	129,823	⁽¹⁾ 4,895,716.11	0.00	0.00	4,895,716.11
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:	129,823	4,895,716.11	0.00	0.00	4,895,716.11

⁽¹⁾ SME PURCHASES - ALLOCATED TO SYSTEM SALES:

MWH	Total Energy Charges
40,877	1,975,777.18
88,946	2,919,938.93
0	0.00
0	0.00
129,823	4,895,716.11
0	0.00
129,823	4,895,716.11

LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:

NET INCLUDABLE ENERGY CHARGES:

ORIGINAL FILED SEPTEMBER 12, 2023

KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
MONTH ENDED: JULY 2023

<u>SALES</u>	KPCO	BILLING COMPONENTS				
		SUPPLIED BY KPCO SOURCES			DEMAND	OTHER CHARGES
		TRANSACTION TYPE	DELIVERED MWH	MWH	FUEL CHARGE (\$)	TOTAL CHARGES (\$)
SPOT MARKET ENERGY - BAL	30,951	30,951	962,785	0	(263,087)	699,698
SPOT MARKET ENERGY - DA	107,040	107,040	3,910,601	0	229,373	4,139,974
PRIOR PERIOD ADJUSTMENT	137,991	137,991	4,873,386 ⁽¹⁾	0.00	(33,714)	4,839,672
INTERRUPTIBLE BUY/THROUGH	0	0	0.00	0.00	0.00	0.00
TOTALS:	137,991	137,991	4,873,386	0	(33,714)	4,839,672

KPCo's other costs incurred, (other than fuel from Account 151): 388,934.90

AEP energy cost less the actual energy costs incurred by KPCo: 0.00

Difference (Total AEP energy charges - Total AEP energy costs): (422,649)

Total (Other Charges): (33,714)

SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)	4,873,386
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)	1,975,777
Less: FUEL ALLOCATED TO SYSTEM SALES	1,975,777
INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)	4,873,386

ORIGINAL FILED SEPTEMBER 12, 2023

FINAL SCHEDULE JULY 2023 COSTS - ACTUAL

KENTUCKY POWER COMPANY
 FUEL COST SCHEDULE
 MONTH ENDED: JULY 2023

(A) COMPANY GENERATION

COAL BURNED
 OIL BURNED
 (3) GAS BURNED
 FUEL (JOINTLY OWNED PLANT)
 (1) FUEL (ASSIGNED COST DURING F.O.)
 FUEL (SUBSTITUTE FOR F.O.)

SUB-TOTAL

(B) PURCHASES

IDENTIFIABLE FUEL COST - OTHER PURCHASES
 IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES
 (1) IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)
 (2) IDENTIFIABLE FUEL COST (PEAKING UNIT EQUIVALENT)

SUB-TOTAL

(C) INTER-SYSTEM SALES

FUEL COSTS

TOTAL FUEL COSTS (A + B - C)

F.O. = FORCED OUTAGE

DETAILS:

(1) FUEL (ASSIGNED COST DURING FORCED OUTAGE)

TOTAL REPLACEMENT (IDENTIFIABLE FUEL COST)

FUEL COST DUE TO F.O.:

	BIG SANDY 1	MITCHELL 1 KP	MITCHELL 2 KP	FUEL AMOUNTS (\$)
COAL BURNED		5,613,409.97	6,639,647.69	12,253,057.66
OIL BURNED		123,558.63	145,590.15	269,148.78
(3) GAS BURNED	3,195,400.70			3,195,400.70
FUEL (JOINTLY OWNED PLANT)				
(1) FUEL (ASSIGNED COST DURING F.O.)				781,891.61
FUEL (SUBSTITUTE FOR F.O.)				
SUB-TOTAL				<u>16,499,498.75</u>

(1) FUEL (ASSIGNED COST DURING FORCED OUTAGE)

TOTAL REPLACEMENT (IDENTIFIABLE FUEL COST)

FUEL COST DUE TO F.O.:

28,236,585 kWh 45.772 MILLS/kWh 1,292,453.45

TOTAL ALLOWABLE (IDENTIFIABLE FUEL COST)

REPLACEMENT FUEL COST FOR F.O.:

28,236,585 kWh 27.691 MILLS/kWh 781,891.61

(1) 1 BIG SANDY FORCED OUTAGE(S) THIS MONTH
 1 MITCHELL UNIT 1 FORCED OUTAGE(S) THIS MONTH
 0 MITCHELL UNIT 2 FORCED OUTAGE(S) 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

KPCO ORIGINAL FILED SEPTEMBER 12, 2023

(Year:2023 Month:7 Cycle:Actual) East Purchase Power Report for Book Name: JUL 2023 ACT

NERC Id	TOTAL			ALLOCATED			FIRM			
	Transaction Class	MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST
OVPS	OVPS	-	-	-	-	-	-	-	-	-
PJM	SPOT MARKET ENERGY - BAL	81,663	3,334,047.29	3,334,047.29	37,587	1,763,756.92	1,763,756.92	44,076	1,570,290.37	1,570,290.37
PJM	SPOT MARKET ENERGY - DA	48,160	1,561,668.82	1,561,668.82	3,290	212,020.26	212,020.26	44,870	1,349,648.56	1,349,648.56
Total		129,823	4,895,716.10	4,895,716.10	40,877	1,975,777.17	1,975,777.17	88,946	2,919,938.93	2,919,938.93

ORIGINAL FILED SEPTEMBER 12, 2023

APPENDIX A

**KENTUCKY POWER COMPANY
BIG SANDY - TOTAL PLANT
July 2023**

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	295.4
b.	Capacity (average load) (MW)	197.6
c.	Net Demonstrated Capability (MW)	295.4
d.	Net Capability Factor (%)	66.3
2.	Heat Rate:	
a.	Btu's Consumed (MMBTU ('000s))	1,463.5
b.	Gross Generation (MWH)	151,128
c.	Net Generation (MWH)	145,659
d.	Heat Rate (L2a divided by L2c) (BTU/KWH)	10,048
3.	Operating Availability:	
a.	Hours Unit Operated	737.0
b.	Hours Available	737.0
c.	Hours During the Period	744.0
d.	Availability Factor (%)	99.1
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (Cents/KWH)	2.1
b.	Net Generation - FAC Basis (Cents/KWH)	2.2
5.	Inventory Analysis:	
a.	Number of Days Supply based on actual burn at the station	NA

ORIGINAL FILED SEPTEMBER 12, 2023

APPENDIX A

**KENTUCKY POWER COMPANY
 MITCHELL - TOTAL PLANT
 July 2023**

<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)	1,052.6	526.3
c.	Net Demonstrated Capability (MW)	1,560.3	780.2
d.	Net Capability Factor (%)	63.0	63.0
2.	Heat Rate:		
a.	Btu's Consumed (MMBTU ('000s))	7,500.6	3,750.3
b.	Gross Generation (MWH)	800,372	400,186
c.	Net Generation (MWH)	731,609	365,804
d.	Heat Rate (L2a divided by L2c) (BTU/KWH)	10,252	10,252
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)	3.1	3.1
b.	Net Generation - FAC Basis (Cents/KWH)	3.3	3.3
5.	Inventory Analysis:		
a.	Number of Days Supply based on 12 Month actual burn at the station	262.8	262.8

ORIGINAL FILED SEPTEMBER 12, 2023

APPENDIX A

KENTUCKY POWER COMPANY
MITCHELL - UNIT 1
July 2023

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	770.1
b.	Capacity (average load) (MW)	467.3
c.	Net Demonstrated Capability (MW)	770.1
d.	Net Capability Factor (%)	51.7
2.	Heat Rate:	
a.	Btu's Consumed (MMBTU ('000s))	3,340.3
b.	Gross Generation (MWH)	329,709
c.	Net Generation (MWH)	296,123
d.	Heat Rate (L2a divided by L2c) (BTU/KWH)	11,280
3.	Operating Availability:	
a.	Hours Unit Operated	633.7
b.	Hours Available	633.7
c.	Hours During the Period	744.0
d.	Availability Factor (L3b divided by L3c) (%)	85.2
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 12 Month actual burn at the station	Reported on total plant basis only

ORIGINAL FILED SEPTEMBER 12, 2023

APPENDIX A

**KENTUCKY POWER COMPANY
MITCHELL - UNIT 2
July 2023**

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	790.2
	b. Capacity (average load) (MW)	585.3
	c. Net Demonstrated Capability (MW)	790.2
	d. Net Capability Factor (%)	74.1
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	4,160.3
	b. Gross Generation (MWH)	470,663
	c. Net Generation (MWH)	435,486
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,553
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

ORIGINAL FILED SEPTEMBER 12, 2023

July 2023

Allowable BLI	Description	Amount
1200	Day-ahead Spot Market Energy	-
1200a		-
1205	Balancing Spot Market Energy	-
1205a		-
1210	Day-ahead Transmission Congestion	743,408.64
1210a		
1215	Balancing Transmission Congestion	(179,828.02)
1215a		
1218	Planning Period Congestion Uplift	
1218a		
1220	Day-ahead Transmission Losses	911,504.54
1220a		
1225	Balancing Transmission Losses	(109,081.16)
1225a		
1230	Inadvertent Interchange	8,318.38
1230a		
1250	Meter Error Correction	(1,302.09)
1250a		23,339.44
1260	Emergency Energy	
1260a		
1340	Regulation and Frequency Response Service Charge	33,231.22
1340a		(527.06)
1350	Energy Imbalance Service Charge	
1350a		
1360	Synchronized Reserve Charge	32,732.30
1360a		0.54
1370	Day-ahead Operating Reserve Charge	21,653.53
1370a		
1375	Balancing Operating Reserve	14,228.06
1375a		(19,829.30)
1377	Synchronous Condensing Charge	
1377a		
1378	Reactive Services Charge	
1378a		
1400	Load Reconciliation for Spot Market Energy	
1400a		
1410	Load Reconciliation for Transmission Congestion	
1410a		
1420	Load Reconciliation Transmission Losses	
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	673,955.70
1500a		

ORIGINAL FILED SEPTEMBER 12, 2023

1930	Generation Deactivation Charge	
1930a		
2210	Transmission Congestion Credit	
2210a		
2211	Day-ahead Transmission Congestion	(203,799.20)
2211a		
2215	Balancing Transmission	143,884.12
2215a		
2217	Planning Period Excess Congestion Credit	-
2217a		
2218	Planning Period Congestion Uplift Credit	
2218a		
2220	Transmission Losses Credit	(216,180.54)
2220a		
2260	Emergency Energy Credit	
2260a		
2340	Regulation and Frequency Response Service Credit	20,087.31
2340a		(23.00)
2350	Energy Imbalance Service Credit	
2350a		
2360	Synchronized Reserve Credit	3,960.09
2360a		
2370	Day-ahead Operating Reserve Credit	(14,113.22)
2370a		
2375	Balancing Operating Reserve Credit	(631.60)
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	(696,421.20)
2510a		
2930	Generation Deactivation Credit	
2930a		

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

1,188,567.48

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023



DELIVERED VIA EMAIL TO PSCED@KY.GOV

September 14, 2023

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 July, 2023 the required backup information for the fuel adjustment clause applied to customers' bills in the month of September, 2023:

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,

A handwritten signature in blue ink, appearing to read "Brian K. West".

Brian K. West
Vice President, Regulatory & Finance

Attachment

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on September 12, 2023

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES
 July 2023

<u>Station and Supplier</u> (a)	P	P	P M		Tons Purchased (f)	BTU Per Lb. (g)	No. MMBTU Per Ton (h)	FOB Mine		Trans Cost		Delivered Cost							
	B	O	D	C				I	I	SI		Price Per Ton (i)	Cents Per MMBTU (j)	Per Ton (k)	Cents Per MMBTU (l)	Per Ton (m)	Cents Per MMBTU (n)	% Sulfur (o)	% Ash (p)
TOTAL KENTUCKY POWER																			
ACNR Coal Sales, Inc.	P	07-77-05-900ACNR-C	A	C	WV	50,000.00	12,820	25.64	41.18	160.60	0.00	0.00	41.18	160.60	2.24	8.59	6.37		
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	4,658.50	12,213	24.43	167.67	686.32	9.22	37.74	176.89	724.06	0.88	12.12	6.98		
Blackhawk Coal Sales	P	03-00-21-9M1	A	B	WV	11,704.70	12,059	24.12	54.88	227.51	7.85	32.55	62.73	260.06	0.81	13.16	6.53		
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	3,106.90	12,079	24.16	77.04	318.86	7.85	32.49	84.89	351.36	0.84	12.59	6.99		
Alpha Thermal CS Company (C)	P	03-00-21-9M2	A	B	WV	714.40	12,062	24.12	56.76	235.34	29.17	120.95	85.94	356.28	0.79	12.04	7.65		
Alpha Thermal CS Company (C)	P	03-00-21-9M3	A	B	WV	2,537.05	12,193	24.39	71.63	293.67	3.13	12.85	74.76	306.52	0.68	11.80	6.96		
Noble Coal, LLC	P	03-00-22-002	A	B	KY	2,318.60	12,466	24.93	172.36	691.37	8.06	32.32	180.42	723.69	1.34	8.53	7.54		
BAMM, Inc.	P	03-00-21-003	A	B	KY	3,024.70	12,231	24.46	72.87	297.93	8.44	34.51	81.31	332.44	0.91	9.58	8.38		
Alliance	P	03-00-22-9M3	A	B	WV	20,154.00	12,490	24.98	90.49	362.23	0.50	1.99	90.98	364.22	2.87	9.31	6.96		
Case Coal Sales,LLC	P	03-00-21-002	A	B	KY	1,574.55	11,785	23.57	82.93	351.84	8.06	34.19	90.99	386.03	0.91	11.65	7.49		
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	5,896.65	12,878	25.76	164.74	639.51	10.72	41.61	175.46	681.12	0.86	6.47	7.86		
Blackhawk Coal Sales	P	03-00-23-9M2	A	B	WV	9,833.80	12,187	24.37	171.27	702.80	7.20	29.55	178.47	732.35	0.87	12.65	6.20		
River Trading	P	03-00-21-004	A	B	KY	1,642.04	11,819	23.64	81.73	345.72	8.63	36.49	90.36	382.21	1.22	11.70	8.10		
Blackhawk Coal Sales	P	03-00-23-9M1	A	B	WV	5,412.30	12,169	24.34	109.23	448.78	7.85	32.25	117.08	481.03	0.80	11.78	7.20		
TOTAL SYSTEM WEIGHTED AVERAGE						122,578.19	12,509	25.02	80.76	324.95	3.64	14.85	84.39	339.80	1.76	9.94	6.74		

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

(d) MT = Mode of Transportation

Designated by Symbol

(c) POCN = Purchase Order or Contract Number

R = Rail

B = Barge

T = Truck

C = Conveyor Belt

(c1) PT = Product Type

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

P = Pipeline

(e) ST = State of origin

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on September 12, 2023

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES
 July 2023

Station and Supplier (a)	P B D U	P O C N	P I C (c1)	M I (d)	SI (e)	Tons Purchased (f)	BTU Per Lb. (g)	No. MMBTU Per Ton (h)	FOB Mine Price Per Ton (i)	Costs Per MMBTU (j)	Trans Cost (A) (B) Per Ton (k)	Delivered Cost Per Ton (m)	Delivered Cost Cents Per MMBTU (n)	% Sulfur (o)	% Ash (p)	% H2O (q)	
	B C N	O WV	M WV	SI WV													
MITCHELL PLANT																	
Long Term Contracts:																	
ACNR Coal Sales, Inc.	P	07-77-05-900ACNR-C	A	C	WV	100,000.00	12,820	25.64	41.18	160.60	0.00	0.00	41.18	160.60	2.24	8.59	6.37
Blackhawk Coal Sales	P	03-00-23-9M3	A	B	WV	9,317.00	12,213	24.43	167.67	686.32	9.22	37.74	176.89	724.06	0.88	12.12	6.98
Blackhawk Coal Sales	P	03-00-21-9M1	A	B	WV	23,409.40	12,059	24.12	54.88	227.51	7.85	32.55	62.73	260.06	0.81	13.16	6.53
Blackhawk Coal Sales	P	03-00-21-9M4	A	B	WV	6,213.80	12,079	24.16	77.04	318.86	7.85	32.49	84.89	351.36	0.84	12.59	6.99
Alpha Thermal CS Company (C) (D)	P	03-00-21-9M2	A	B	WV	1,428.80	12,062	24.12	56.76	235.34	29.17	120.95	85.94	356.28	0.79	12.04	7.65
Alpha Thermal CS Company (C)	P	03-00-21-9M3	A	B	WV	5,074.10	12,193	24.39	71.63	293.67	3.13	12.85	74.76	306.52	0.68	11.80	6.96
Noble Coal, LLC	P	03-00-22-002	A	B	KY	4,637.20	12,466	24.93	172.36	691.37	8.06	32.32	180.42	723.69	1.34	8.53	7.54
BAMM, Inc.	P	03-00-21-003	A	B	KY	6,049.40	12,231	24.46	72.87	297.93	8.44	34.51	81.31	332.44	0.91	9.58	8.38
Alliance	P	03-00-22-9M3	A	B	WV	40,308.00	12,490	24.98	90.49	362.23	0.50	1.99	90.98	364.22	2.87	9.31	6.96
Case Coal Sales,LLC	P	03-00-21-002	A	B	KY	3,149.10	11,785	23.57	82.93	351.84	8.06	34.19	90.99	386.03	0.91	11.65	7.49
Pocahontas Sales and Logistics	P	03-00-23-002	A	B	WV	11,793.30	12,878	25.76	164.74	639.51	10.72	41.61	175.46	661.12	0.86	6.47	7.86
Station Weighted Average						211,380.10	12,567	25.14	70.86	283.13	3.01	12.26	73.87	295.38	1.90	9.56	6.75
Spot Market:																	
Blackhawk Coal Sales	P	03-00-23-9M2	A	B	WV	19,667.60	12,187	24.37	171.27	702.80	7.20	29.55	178.47	732.35	0.87	12.65	6.20
River Trading	P	03-00-21-004	A	B	KY	3,284.07	11,819	23.64	81.73	345.72	8.63	36.49	90.36	382.21	1.22	11.70	8.10
Blackhawk Coal Sales	P	03-00-23-9M1	A	B	WV	10,624.60	12,169	24.34	109.23	448.78	7.85	32.25	117.08	481.03	0.80	11.78	7.20
Station Weighted Average						33,776.27	12,145	24.29	142.68	586.67	7.55	31.09	150.23	617.76	0.88	12.28	6.71
TOTAL STATION WEIGHTED AVERAGE						245,156.37	12,509	25.02	80.76	324.95	3.64	14.85	84.39	339.80	1.76	9.94	6.74

Notes

(A) There were demurrage charges of \$30,700 (\$15,350 KYPCo share) so the transportation costs reported for July 2023 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.
 (D) Transportation costs on this contract include adjustments for June 2023 shipments.

Supplier	P	P	M	Station Name	Gal or Cu. Ft Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU
	B U	O N	C T					
Marathon Petroleum LP	P	03-FO-22-001		Mitchell	240,207.00	136,914.00	2.61	1,676.16

MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES

Kentucky Power Share of Oil Receipts	120,103.50
Mitchell Total Oil Receipts	240,207.00
Mitchell - Kentucky Power Oil Receipts Ratio	50.00%
Marathon Petroleum LP	P 03-FO-22-001 T 120,103.50

(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

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on September 12, 2023

KENTUCKY POWER COMPANY
 ANALYSIS OF GAS PURCHASES
 July 2023

<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	992,000	970,859	1,790,560.00	1.81	1.84	-
MACQUARIE	-	P	Big Sandy	540,000	528,492	917,987.50	1.70	1.74	-
MERCURIAEA	-	P	Big Sandy	10,000	9,787	18,350.00	1.84	1.87	-
Columbia Gas	173522 & 177527	P	Big Sandy			17,647.10	0.00	-	
Columbia Gas - Reservation Fee	173522	P	Big Sandy			524,390.40	0.00	-	
				<u>1,542,000</u>	<u>1,509,138</u>	<u>3,268,935.00</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

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023

**KENTUCKY POWER COMPANY
MITCHELL PLANT - KPCO SHARE
July-2023**

COAL INVENTORY SCHEDULE

	<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	575,906.31	\$51,831,101.06	\$89.9992
Purchases	122,578.19	\$10,344,905.31	\$84.3943
Adjustments	1	0.00	\$0.0000
Sub-Total	698,484.50	\$62,176,006.37	\$89.0156
Less Coal Burned	150,966.50	\$12,253,057.66	\$81.1641
Ending Inventory	547,518.00	\$49,922,948.71	\$91.1805

1 No Coal Pile Survey Adjustment this reporting period.

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023

**KENTUCKY POWER COMPANY
BIG SANDY PLANT
July 2023**

GAS INVENTORY SCHEDULE

		<u>MMBTU</u>	<u>Amount</u>	<u>\$/MMBTU</u>
Beginning Inventory	⁽¹⁾	(37,601.00)	\$ (60,161.57)	\$1.6000
Purchases		1,509,138.00	\$ 3,268,935.00	\$2.1661
Gas Sales		0.00	\$ -	\$0.0000
Adjustments(Imbalance point usage)		0.00	\$ -	\$0.0000
Sub-Total		1,471,537.00	\$ 3,208,773.43	\$2.1806
Less Disposed				
Generation		1,463,549.00	\$ 3,195,400.67	\$2.1833
Loss or (Gain) on Sale		0.00	\$ (0.01)	\$0.0000
Other(Tax expense)		0.00	\$ -	\$0.0000
Ending Inventory	⁽¹⁾	7,988.00	\$ 13,372.77	\$1.6741

⁽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.

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023

**KENTUCKY POWER COMPANY
MITCHELL PLANT - KPCO SHARE
July-2023**

OIL INVENTORY SCHEDULE

	<u>Gallons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	350,480.15	\$1,047,568.12	\$2.9890
Purchases	120,103.50	\$313,018.95	\$2.6062
Adjustments	0.00	\$0.00	\$0.0000
Sub-Total	470,583.65	\$1,360,587.07	\$2.8913
Less Disposed			
Generation	93,090.00	\$269,148.78	\$2.8913
Chemical Cleaning/Other	0.00	\$0.00	\$0.0000
Ending Inventory	377,493.65	\$1,091,438.29	\$2.8913

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023

**KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
July 2023**

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: JULY 2023

REVISED PAGE AS FILED ON AUGUST 19, 2025
 No Changes from Original Filed on September 12, 2023

PURCHASES

TRANSACTION TYPE	BILLING COMPONENTS				
	MWH	FUEL CHARGE (\$)	DEMAND (\$)	OTHER CHARGES (\$)	TOTAL CHARGES (\$)
SPOT MARKET ENERGY - BAL	81,663	3,334,047.29	0.00	0.00	3,334,047.29
SPOT MARKET ENERGY - DA	48,160	1,561,668.82	0.00	0.00	1,561,668.82
Subtotal:	129,823	⁽¹⁾ 4,895,716.11	0.00	0.00	4,895,716.11
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:	129,823	4,895,716.11	0.00	0.00	4,895,716.11

⁽¹⁾ SME PURCHASES - ALLOCATED TO SYSTEM SALES:

MWH	Total Energy Charges
40,877	1,975,777.18
88,946	2,919,938.93
0	0.00
0	0.00
129,823	4,895,716.11
0	0.00
129,823	4,895,716.11

LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:

NET INCLUDABLE ENERGY CHARGES:

REVISED PAGE AS FILED ON AUGUST 19, 2022
 No Changes from Original Filed on September 12, 2022

KENTUCKY POWER COMPANY
 POWER TRANSACTION SCHEDULE
 MONTH ENDED: JULY 2023

<u>SALES</u> TRANSACTION TYPE	KPCO DELIVERED MWH	BILLING COMPONENTS				
		SUPPLIED BY KPCO SOURCES		DEMAND (\$)	OTHER CHARGES (\$)	TOTAL CHARGES (\$)
		MWH	FUEL CHARGE (\$)			
SPOT MARKET ENERGY - BAL	30,951	30,951	962,785	0	(263,087)	699,698
SPOT MARKET ENERGY - DA	107,040	107,040	3,910,601	0	229,373	4,139,974
PRIOR PERIOD ADJUSTMENT	137,991 0	137,991 0	4,873,386 0.00	0.00 0.00	(33,714) 0.00	4,839,672
INTERRUPTIBLE BUY/THROUGH	0	0	0.00	0.00	0.00	0.00
TOTALS:	137,991	137,991	4,873,386	0	(33,714)	4,839,672

KPCo's other costs incurred, (other than fuel from Account 151):	388,934.90
AEP energy cost less the actual energy costs incurred by KPCo:	0.00
Difference (Total AEP energy charges - Total AEP energy costs):	(422,649)
Total (Other Charges):	<hr style="width: 100px; margin-left: 0; border: 0.5px solid black;"/> (33,714)

SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)	4,873,386
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)	1,975,777
Less: FUEL ALLOCATED TO SYSTEM SALES	1,975,777
INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)	<hr style="width: 100px; margin-left: 0; border: 0.5px solid black;"/> 4,873,386

REVISED PAGE AS FILED ON AUGUST 19, 2025
 Changes highlighted in **Red**

FINAL SCHEDULE JULY 2023 COSTS - ACTUAL

KENTUCKY POWER COMPANY
FUEL COST SCHEDULE
MONTH ENDED: JULY 2023

(A) COMPANY GENERATION

	BIG SANDY 1	MITCHELL 1 KP	MITCHELL 2 KP	FUEL AMOUNTS (\$)
COAL BURNED		5,613,409.97	6,639,647.69	12,253,057.66
OIL BURNED		123,558.63	145,590.15	269,148.78
(3) GAS BURNED	3,195,400.70			3,195,400.70
FUEL (JOINTLY OWNED PLANT)				-----
(1) FUEL (ASSIGNED COST DURING F.O.)				289,225.98
FUEL (SUBSTITUTE FOR F.O.)				-----
SUB-TOTAL				16,006,833.12

(B) PURCHASES

IDENTIFIABLE FUEL COST - OTHER PURCHASES	4,895,716.11
IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES	0.00
(1) IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)	636,351.06
(2) IDENTIFIABLE FUEL COST (PEAKING UNIT EQUIVALENT)	189,954.60
SUB-TOTAL	4,069,410.45

(C) INTER-SYSTEM SALES

FUEL COSTS	4,873,385.64
TOTAL FUEL COSTS (A + B - C)	15,202,857.93

F.O. = FORCED OUTAGE

DETAILS:

(1) FUEL (ASSIGNED COST DURING FORCED OUTAGE)	7,927,040 kWh	80.276 MILLS/kWh	636,351.06
TOTAL REPLACEMENT (IDENTIFIABLE FUEL COST) FUEL COST DUE TO F.O.:			

TOTAL ALLOWABLE (IDENTIFIABLE FUEL COST)
REPLACEMENT FUEL COST FOR F.O.:

7,927,040 kWh 36.486 MILLS/kWh 289,225.98

(1) 1 BIG SANDY FORCED OUTAGE(S) THIS MONTH
 1 MITCHELL UNIT 1 FORCED OUTAGE(S) THIS MONTH
 0 MITCHELL UNIT 2 FORCED OUTAGE(S) 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

REvised Page as Filed on August 19, 2023
No Changes from Original Filed on September 12, 2023

(Year:2023 Month:7 Cycle:Actual) East Purchase Power Report for Book Name: JUL 2023 ACT

NERC Id	Transaction Class	MWH	TOTAL		ALLOCATED		FIRM	
			ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST	MWH
OVPS	OVPS	-	-	-	-	-	-	-
PJM	SPOT MARKET ENERGY - BAL	81,663	3,334,047.29	3,334,047.29	37,587	1,763,756.92	1,763,756.92	44,076
PJM	SPOT MARKET ENERGY - DA	48,160	1,561,668.82	1,561,668.82	3,290	212,020.26	212,020.26	44,870
Total		129,823	4,895,716.10	4,895,716.10	40,877	1,975,777.17	1,975,777.17	88,946

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023

APPENDIX A

**KENTUCKY POWER COMPANY
BIG SANDY - TOTAL PLANT
July 2023**

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	295.4
b.	Capacity (average load) (MW)	197.6
c.	Net Demonstrated Capability (MW)	295.4
d.	Net Capability Factor (%)	66.3
2.	Heat Rate:	
a.	Btu's Consumed (MMBTU ('000s))	1,463.5
b.	Gross Generation (MWH)	151,128
c.	Net Generation (MWH)	145,659
d.	Heat Rate (L2a divided by L2c) (BTU/KWH)	10,048
3.	Operating Availability:	
a.	Hours Unit Operated	737.0
b.	Hours Available	737.0
c.	Hours During the Period	744.0
d.	Availability Factor (%)	99.1
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (Cents/KWH)	2.1
b.	Net Generation - FAC Basis (Cents/KWH)	2.2
5.	Inventory Analysis:	
a.	Number of Days Supply based on actual burn at the station	NA

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on September 12, 2023

APPENDIX A

**KENTUCKY POWER COMPANY
 MITCHELL - TOTAL PLANT
 July 2023**

<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)	1,052.6	526.3
c.	Net Demonstrated Capability (MW)	1,560.3	780.2
d.	Net Capability Factor (%)	63.0	63.0
2.	Heat Rate:		
a.	Btu's Consumed (MMBTU ('000s))	7,500.6	3,750.3
b.	Gross Generation (MWH)	800,372	400,186
c.	Net Generation (MWH)	731,609	365,804
d.	Heat Rate (L2a divided by L2c) (BTU/KWH)	10,252	10,252
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)	3.1	3.1
b.	Net Generation - FAC Basis (Cents/KWH)	3.3	3.3
5.	Inventory Analysis:		
a.	Number of Days Supply based on 12 Month actual burn at the station	262.8	262.8

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023

APPENDIX A

**KENTUCKY POWER COMPANY
MITCHELL - UNIT 1
July 2023**

**Line
No.**

Item Description

1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	770.1
	b. Capacity (average load) (MW)	467.3
	c. Net Demonstrated Capability (MW)	770.1
	d. Net Capability Factor (%)	51.7
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	3,340.3
	b. Gross Generation (MWH)	329,709
	c. Net Generation (MWH)	296,123
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	11,280
3.	Operating Availability:	
	a. Hours Unit Operated	633.7
	b. Hours Available	633.7
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	85.2
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 12 Month actual burn at the station	Reported on total plant basis only

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023

APPENDIX A

**KENTUCKY POWER COMPANY
MITCHELL - UNIT 2
July 2023**

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	790.2
	b. Capacity (average load) (MW)	585.3
	c. Net Demonstrated Capability (MW)	790.2
	d. Net Capability Factor (%)	74.1
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU ('000s))	4,160.3
	b. Gross Generation (MWH)	470,663
	c. Net Generation (MWH)	435,486
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,553
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

REVISED PAGE AS FILED ON AUGUST 19, 2024
 No Changes from Original Filed on September 12, 2023

July 2023

Allowable BLI	Description	Amount
1200	Day-ahead Spot Market Energy	-
1200a		-
1205	Balancing Spot Market Energy	-
1205a		-
1210	Day-ahead Transmission Congestion	743,408.64
1210a		
1215	Balancing Transmission Congestion	(179,828.02)
1215a		
1218	Planning Period Congestion Uplift	
1218a		
1220	Day-ahead Transmission Losses	911,504.54
1220a		
1225	Balancing Transmission Losses	(109,081.16)
1225a		
1230	Inadvertent Interchange	8,318.38
1230a		
1250	Meter Error Correction	(1,302.09)
1250a		23,339.44
1260	Emergency Energy	
1260a		
1340	Regulation and Frequency Response Service Charge	33,231.22
1340a		(527.06)
1350	Energy Imbalance Service Charge	
1350a		
1360	Synchronized Reserve Charge	32,732.30
1360a		0.54
1370	Day-ahead Operating Reserve Charge	21,653.53
1370a		
1375	Balancing Operating Reserve	14,228.06
1375a		(19,829.30)
1377	Synchronous Condensing Charge	
1377a		
1378	Reactive Services Charge	
1378a		
1400	Load Reconciliation for Spot Market Energy	
1400a		
1410	Load Reconciliation for Transmission Congestion	
1410a		
1420	Load Reconciliation Transmission Losses	
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	673,955.70
1500a		

REVISED PAGE AS FILED ON AUGUST 19, 2024
No Changes from Original Filed on September 12, 2023

1930	Generation Deactivation Charge	
1930a		
2210	Transmission Congestion Credit	
2210a		
2211	Day-ahead Transmission Congestion	(203,799.20)
2211a		
2215	Balancing Transmission	143,884.12
2215a		
2217	Planning Period Excess Congestion Credit	-
2217a		
2218	Planning Period Congestion Uplift Credit	
2218a		
2220	Transmission Losses Credit	(216,180.54)
2220a		
2260	Emergency Energy Credit	
2260a		
2340	Regulation and Frequency Response Service Credit	20,087.31
2340a		(23.00)
2350	Energy Imbalance Service Credit	
2350a		
2360	Synchronized Reserve Credit	3,960.09
2360a		
2370	Day-ahead Operating Reserve Credit	(14,113.22)
2370a		
2375	Balancing Operating Reserve Credit	(631.60)
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	(696,421.20)
2510a		
2930	Generation Deactivation Credit	
2930a		

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

1,188,567.48

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_43 State whether any PJM costs were included in Kentucky Power's monthly FAC filings during the period under review. If yes, provide the amount of the costs by month and by type of cost.

RESPONSE

PJM costs are publicly available in the Appendix A of the monthly supplemental files here: <https://psc.ky.gov/WebNet/FuelContracts>. Please reference the publicly available customer guide to PJM billing to determine the billing line items included on the filings here: <https://www.pjm.com/-/media/DotCom/markets-ops/settlements/custgd.pdf>.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_44 Explain how Kentucky Power's generating units are bid into PJM's energy market and the implications for the manner in which the units are run when the unit's bid in price is greater than the hourly locational marginal pricing (LMP). For example, if the unit is bid in as "must run" and its bid in price is greater than the hourly LMP, explain whether the unit is ramped down to its economic minimum output level or whether it is run at some level greater than that for some other reason such as balancing or voltage support.

RESPONSE

As capacity resources under a Fixed Resource Requirement Plan, unless a unit is in an outage, Kentucky Power offers its units' available generation into the PJM energy market each day, in accordance with PJM protocols. Commitment status is one of the items included in the Company's daily submission to the PJM. PJM allows all generating units to choose among four values: economic, must-run, emergency, and not available. Economic units are committed and dispatched by PJM via its economic dispatch model. Must-run units, also called self-committed or self-scheduled units, are committed by the unit operator into the Day Ahead market to run at their economic minimum level of output, although the PJM economic dispatch model can run them at a level above their economic minimum based upon the same economic dispatch model submitted under "economic" status. An emergency status indicates that PJM will only commit that unit for emergency dispatch.

As shown in the Company's response to KPSC 1_17, the Company used Economic, Must Run, and Not Available for its generating units during the May 2024 – October 2024 period.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_45 If the coal units are available, explain whether they are always bid into the energy market as “must run.” If not, then explain the circumstances under which the units are not bid in as such.

RESPONSE

No, as shown in the Company's response to KPSC 1_17, the coal units are not always bid into the energy market with a Must-Run commitment status. In fact, during the May 2024 – October 2024 period (the last six months of the Review Period), the Company used commitment status values of Economic, Must Run, and Not Available for its generating units. The Company does not employ standard criteria to determine a unit's commitment status. In fact, the selection of a unit commitment status value incorporates various factors including, but not limited to, economics of the generating unit compared to the expectations of price in the next Operating Day, the expectations of price after the next Operating Day, obligations under fuel contracts, fuel storage limitations, operational characteristics such as a unit's shutdown time, its startup time, and its ability to ramp generation up or down.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_46 In an Excel spreadsheet format with all formulas, columns, and rows unprotected and fully accessible, for the period under review and when the units are available to run,

- a. Provide the bid status (i.e., economic dispatch, must-run, etc.), by day, of Kentucky Power's coal generating units into PJM's day ahead market. Explain the reason for each bid status.
- b. Provide the price per MWH, by day, of Kentucky Power's generating units bid into PJM's day ahead market and the corresponding LMP indicating whether the unit cleared the market.
- c. In a separate spreadsheet Tab, provide a graphical representation of the information in part b. above.

RESPONSE

a and b. Please see KPCO_R_KPSC_1_46_ConfidentialAttachment1 for the daily commitment status and offer curves for the Mitchell Units. Please see KPCO_R_KPSC_1_46_ConfidentialAttachment2 for the PJM Generator LMP Charge Summary report.

Please note the commitment status reason is tracked for coal units only. The unit commitment status reason has been provided in KPCO_R_KPSC_1_46_ConfidentialAttachment1 for the Mitchell units.

c. The Company cannot provide a reasonable graphical representation as requested because the daily offer curves include numerous points along the curve, expressed as a level of output and the corresponding cost for that Megawatt. The Day Ahead and Real Time LMPs are additional data points that limit delivery of an easily digestible and fully responsive graphical representation over the two-year period. However, all necessary data for this graph has been provided in excel format in response to sub-parts a and b. The Company is open to providing a graphical representation of the daily price at a specified level of output, such as each unit's economic minimum and maximum, with further guidance.

Witness: Jason M. Stegall

KPCO_R_KPSC_1_46_ConfidentialAttachment1 is redacted in its entirety.

KPCO_R_KPSC_1_46_ConfidentialAttachment2 is redacted in its entirety.

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_47 For the period under review, explain whether, when the units are not on a planned, maintenance, or forced outage, PJM considers the units as being in available status. If not, explain the circumstances under which the units would not be considered in available status.

RESPONSE

Yes, all units supplying capacity either through the Reliability Pricing Model capacity auctions or, like Kentucky Power, through a Fixed Resource Requirement Plan, must be offered into the energy market unless they are on an approved PJM planned/maintenance outage or forced outage.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_48 Provide a summary of all energy or capacity sales made to or purchased from AEP East regulated sister companies participating in the Power Coordination Agreement (PCA) by month for the two-year period under review.

RESPONSE

Kentucky Power purchased 152.4 MW from Rockport 2 from December 8, 2022 to May 31, 2023 at \$50.00 MW/Day. Kentucky Power purchased 65.4 MW through the PCA at \$37.53 MW/Day from June 1, 2023 to May 31, 2024.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_49 Provide the peaking unit equivalent (PUE) calculations in Excel spreadsheets with all formulas, columns, and rows unprotected and fully accessible.

RESPONSE

Please see KPCO_R_KPSC_1_49_Attachment1 through KPCO_R_KPSC_1_49_Attachment24 for the PUE calculations during the Review Period.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2025-00338
Commission Staff's First Set of Data Requests
Dated December 19, 2025

DATA REQUEST

KPSC 1_50 For each month in the PUE calculations, explain whether Kentucky Power recovers any uneconomic purchased power costs resulting from the PUE calculations. If so, explain how these costs are recovered.

RESPONSE

The amount of purchased power associated with forced outages that is excluded from recovery in the FAC and recovered through the Purchased Power Adjustment Tariff is identified in the first tab of each attachment at the bottom of Column 16, which is labeled TOTAL FO REPLACEMENT COST EXCLUDED FROM FAC.

Witness: Jason M. Stegall

VERIFICATION

The undersigned, Kimberly K. Chilcote, being duly sworn, deposes and says she is the Director of Coal and Reagent Procurement for American Electric Power Service Corporation, that she has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of her information, knowledge, and belief.

Signed by:

Kimberly K. Chilcote

Kimberly K. Chilcote

Commonwealth of Kentucky)
) Case No. 2025-00338
County of Boyd)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Kimberly K. Chilcote, on 1/19/2026 | 10:36 AM EST

Signed by:

Michelle Caldwell

E9B1BC7AC31F421...

Notary Public

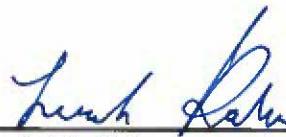
My Commission Expires 05/05/2027

Notary ID Number KYNP71841

MARILYN MICHELLE CALDWELL
ONLINE NOTARY PUBLIC
COMMONWEALTH OF KENTUCKY
Commission #KYNP71841
My Commission Expires 5/5/2027

VERIFICATION

The undersigned, Lerah M. Kahn, being duly sworn, deposes and says she is the Manager of Regulatory Services for Kentucky Power, that she has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of her information, knowledge, and belief.



Lerah M. Kahn

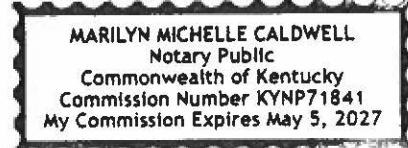
Commonwealth of Kentucky)
County of Boyd) Case No. 2025-00338

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Lerah M. Kahn, on January 19, 2026.


Notary Public

My Commission Expires May 5, 2027

Notary ID Number KYNP71841



VERIFICATION

The undersigned, David L. Mell, being duly sworn, deposes and says he is the Big Sandy Plant Manager, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.



David L. Mell

Commonwealth of Kentucky)
County of Boyd)

Case No. 2025-00338

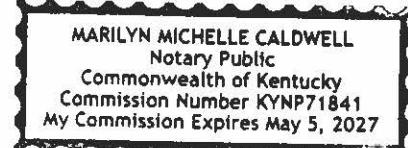
Subscribed and sworn to before me, a Notary Public in and before said County and State, by David L. Mell, on January 19, 2026.



Notary Public

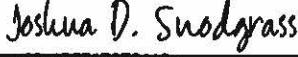
My Commission Expires May 5, 2027

Notary ID Number KYNP71841



VERIFICATION

The undersigned, Joshua D. Snodgrass, being duly sworn, deposes and says he is the Mitchell Plant Manager, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

Signed by:

0210878200244C
Joshua D. Snodgrass

Commonwealth of Kentucky)
) Case No. 2025-00338
County of Boyd)

Subscribed and sworn to before me, a Notary Public in and before said County
and State, by Joshua D. Snodgrass, on 1/20/2026 | 7:05 AM EST

Signed by:


50919C7AC31F421
Notary Public

MARILYN MICHELLE CALDWELL
ONLINE NOTARY PUBLIC
COMMONWEALTH OF KENTUCKY
Commission #KYNP71841
My Commission Expires 5/5/2027

My Commission Expires May 5, 2027

Notary ID Number KYNP71841

VERIFICATION

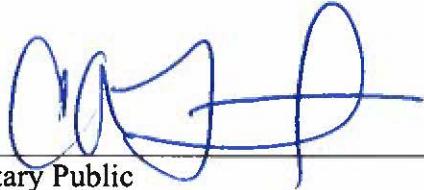
The undersigned, Jason M. Stegall, being duly sworn, deposes and says he is the Director of Regulatory Services for American Electric Power Service Corporation, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.



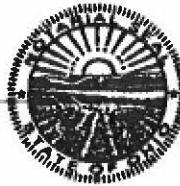
Jason M. Stegall

State of Ohio)
County Franklin)
Case No. 2025-00338

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Jason M. Stegall, on January 22, 2026.



Notary Public



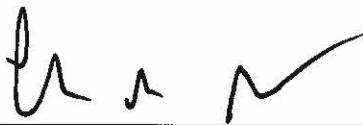
Christine Alaine Frankart
Attorney At Law
Notary Public, State of Ohio
My commission has no expiration date
Sec. 147.03 R.C.

My Commission Expires has no expiration

Notary ID Number State of Ohio Bar 0091229

VERIFICATION

The undersigned, Clinton M. Stutler, being duly sworn, deposes and says he is the Director of Natural Gas Procurement for American Electric Power Service Corporation, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.



Clinton M. Stutler

Commonwealth of Kentucky)
) Case No. 2025-00338
County of Boyd)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Clinton M. Stutler, on January 19, 2026

Marilyn Michelle Caldwell
Notary Public

My Commission Expires May 5, 2027

Notary ID Number KYNP71841

