

KyPSC Case No. 2025-00077
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VERIFICATION

STATE OF NORTH CAROLINA)
)
COUNTY OF MECKLENBURG) SS:

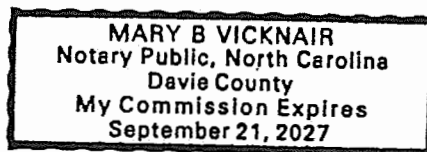
The undersigned, Kimberly Hughes, Director, Coal Origination, being duly sworn, deposes and says that she has personal knowledge of the matters set forth in the foregoing data requests and that the answers contained therein are true and correct to the best of her knowledge, information and belief.


Kimberly Hughes Affiant

Subscribed and sworn to before me by Kimberly Hughes on this 16th day of June, 2025.


NOTARY PUBLIC

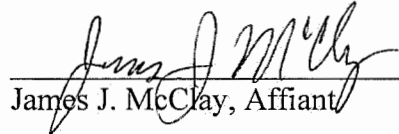
My Commission Expires:



VERIFICATION

STATE OF NORTH CAROLINA)
)
COUNTY OF MECKLENBURG) SS:

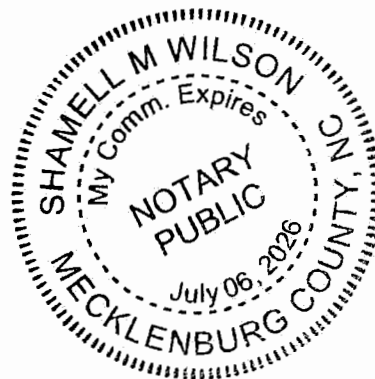
The undersigned, James J. McClay, Managing Director Natural Gas, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests and that the answers contained therein are true and correct to the best of his knowledge, information and belief.


James J. McClay, Affiant

Subscribed and sworn to before me by James J. McClay on this 3rd day of June, 2025.


NOTARY PUBLIC

My Commission Expires:



VERIFICATION

STATE OF NORTH CAROLINA)
)
COUNTY OF MECKLENBURG) **SS:**

The undersigned, John D. Swez, Managing Director Trading & Dispatch, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



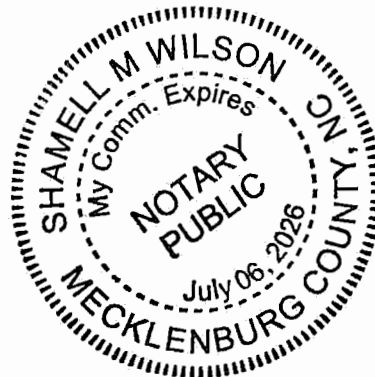
John D. Swez, Affiant

Subscribed and sworn to before me by John D. Swez on this 3rd day of June, 2025.



NOTARY PUBLIC

My Commission Expires:



VERIFICATION

STATE OF OHIO

)

)

SS:

COUNTY OF HAMILTON

)

The undersigned, Libbie Miller, Rates and Regulatory Strategy Manager, being duly sworn, deposes and says that she has personal knowledge of the matters set forth in the foregoing data requests and that the answers contained therein are true and correct to the best of her knowledge, information and belief.

Libbie Miller

Libbie Miller Affiant

Subscribed and sworn to before me by Libbie Miller on this 19th day of June, 2025.

Emilie Sunderman

NOTARY PUBLIC

My Commission Expires: July 8, 2027

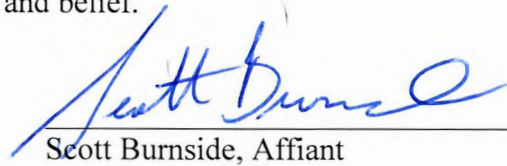


EMILIE SUNDERMAN
Notary Public
State of Ohio
My Comm. Expires
July 8, 2027

VERIFICATION

STATE OF NORTH CAROLINA)
) SS:
COUNTY OF MECKLENBURG)

The undersigned, Scott Burnside, Director, Unit Commitment & Post Analysis, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



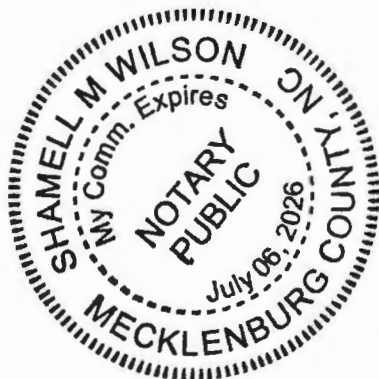
Scott Burnside, Affiant

Subscribed and sworn to before me by Scott Burnside on this 5th day of June, 2025.



NOTARY PUBLIC

My Commission Expires:



**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-001

REQUEST:

For the period under review, provide the amount of coal purchased in tons and the percentage of purchases that were spot versus contract.

RESPONSE:

For the period under review from November 1, 2023, through April 30, 2024, please see STAFF-DR-01-001 Attachment.

PERSON RESPONSIBLE: Kimberly Hughes

Duke Energy Kentucky
Case No. 2025-00077- Staff First Set Data Requests
Coal purchased November 1, 2023 to April, 30 2024

<u>Vendor</u>	<u>Purchase Tonnage</u>	<u>Purchase Type</u>	<u>Contract #</u>	<u>Filed with Commission</u>	<u>Expiration Dates</u>	<u>If no, Explain why</u>
Alliance Coal LLC	94,004	Contract	DEK 34466	6/4/2021	1/31/2024	
Case Coal Sales LLC	6,328	Contract	DEK 35111	4/4/2023	3/31/2024	
Alliance Coal LLC	36,680	Contract	DEK 35034	4/8/2022	12/31/2023	
Iron Coal Sales	99,360	Contract	DEK 35197	4/4/2023	12/31/2024	
Central Coal Co	357,843	Contract	DEK 35366	6/20/2025	12/31/2025	Inadvertent Error
Alliance Coal LLC	57,032	Contract	DEK 34815	3/8/2022	12/31/2024	
Total		<u>651,247</u>				
	100%	Contract				
	0%	Spot				
	100%	Total				

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-002

REQUEST:

For the period under review, list each coal purchase made under a longterm contract (one year or greater). For each purchase, list:

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

RESPONSE:

- a. **35111**
 - b. Case Coal Sales LLC
 - c. Central Appalachian Steam Coal Sources, KY
 - d. Barge
 - e. 6,328
 - f. \$118.00
-
- a. **34466**
 - b. Alliance Coal, LLC
 - c. Tunnel Ridge, Ohio County, WV

- d. Barge
- e. 94,004
- f. \$39.00

- a. **35034**
- b. Alliance Coal, LLC
- c. Tunnel Ridge, Ohio County, WV
- d. Barge
- e. 36,680
- f. \$52.50

- a. **35197**
- b. Iron Coal Sales
- c. Cumberland Mining Complex, PA
- d. Barge
- e. 99,360
- f. \$78.00

- a. **35366**
- b. Central Coal Company as agent for Knight Hawk Coal, LLC
- c. Knight Hawk's Prairie Eagle Mine, IL
- d. Barge
- e. 357,843
- f. \$45.53

- a. **34815**
- b. Alliance Coal, LLC
- c. Tunnel Ridge, Ohio County, WV
- d. Barge
- e. 57,032
- f. \$59.00

PERSON RESPONSIBLE: Kimberly Hughes

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-003

REQUEST:

As of the last day of the review period:

- a. 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 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 excess inventory.
- e. State whether any significant changes in the current coal inventory targets are expected within the next 12 months. If so, state the expected change and the reasons for this change.

RESPONSE:

- a. Duke Energy Kentucky's total aggregate inventory across the system as of April 30, 2024, was 356,903 tons, or 55 days. This total inventory is for East Bend Station, which is the only coal-fired generating station in the Duke Energy Kentucky fleet.
- b. The number of days' supply is computed by dividing the ending coal inventory number stated in tons by the Full Load Burn figure of 6,500 tons per day.
- c. The target coal inventory is an annual average of 45 days compared to the actual inventory amount of 55 days on April 30, 2024, for East Bend Station which is the

only coal-fired generating station in the Duke Energy Kentucky fleet.

d. Duke Energy Kentucky's coal inventory did not exceed the inventory target by ten days of supply.

e. Duke Energy Kentucky does not expect any significant changes in its current coal inventory target within the next 12 months.

PERSON RESPONSIBLE: Kimberly Hughes

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

CONFIDENTIAL STAFF-DR-01-004
(As to Attachment only)

REQUEST:

List each written coal supply solicitation issued during 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. Provide the bid tabulation sheet or corresponding document that ranked the proposals. (This document should 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:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachment only)

a. Duke Energy issued one written term solicitation, in April 2024 requesting proposals for coal to be delivered from 2025 through 2028. The quantity and quality in the solicitation were not limited as the Company requested proposals for the full amounts of available coal the vendors can offer which enabled the Company to make decisions regarding the amounts to be purchased after evaluations were completed. Finally, the coal was requested for East Bend Unit 2.

b. The April 2024 coal solicitation was sent to 79 vendors with 7 vendors providing 14 bids, with 1 bid selected for term purchase, and 1 bid selected for test burn. Please see STAFF-DR-01-004 Confidential Attachment containing the proposal evaluation rankings.

PERSON RESPONSIBLE: Kimberly Hughes

Bid #	Year	Counterparty	Mine Source	Region	Shipping Point	Mode	Annual Volume	Btu/lb	% Sulfur	#SO2 \$/mmbtu	Ash %	FinalMine\$	Barge	Delivered \$/ton	Delivered \$/mmBtu	O&M \$/mmBtu	SO2 \$/mmBtu	Total \$ \$/mmBtu	Comments

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-005

REQUEST:

List each oral coal supply solicitation issued during 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 selected. Provide the tabulation sheet or other document that ranks the proposals. (This document should 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. Duke Energy Kentucky did not issue an oral coal supply solicitation during November 1, 2023 through April 30, 2024.

b. Not applicable.

PERSON RESPONSIBLE: Kimberly Hughes

**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-006

REQUEST:

For 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).

RESPONSE:

Please see STAFF-DR-01-006 Attachment which lists each vendor from whom natural gas was purchased for the period of November 1, 2023 to April 30, 2024.

PERSON RESPONSIBLE: Jim McClay

Duke Energy Kentucky - Physical Natural Gas Purchases
November 1, 2023 - April 30, 2024

Spot/Contract	Counterpart	Start Date	End Date	Buy/Sell	Qty	Qty UOM
Spot	TENASKA MARKETING VE	11/1/2023	11/1/2023	Buy	20000	MMBtu
Spot	Vitol Inc.	11/2/2023	11/2/2023	Buy	17292	MMBtu
Spot	TENASKA MARKETING VE	11/3/2023	11/3/2023	Buy	20000	MMBtu
Spot	Vitol Inc.	11/4/2023	11/4/2023	Buy	20000	MMBtu
Spot	Vitol Inc.	11/5/2023	11/5/2023	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	11/7/2023	11/7/2023	Buy	15000	MMBtu
Spot	TENASKA MARKETING VE	11/7/2023	11/7/2023	Buy	15000	MMBtu
Spot	Eco Energy Nat Gas	11/8/2023	11/8/2023	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	11/9/2023	11/9/2023	Buy	5000	MMBtu
Spot	TENASKA MARKETING VE	11/10/2023	11/10/2023	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	11/11/2023	11/11/2023	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	11/12/2023	11/12/2023	Buy	15000	MMBtu
Spot	Vitol Inc.	11/13/2023	11/13/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	11/14/2023	11/14/2023	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	11/15/2023	11/15/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	11/21/2023	11/21/2023	Buy	5000	MMBtu
Spot	TENASKA MARKETING VE	11/22/2023	11/22/2023	Buy	5000	MMBtu
Spot	Vitol Inc.	11/24/2023	11/24/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	11/25/2023	11/25/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	11/26/2023	11/26/2023	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	11/28/2023	11/28/2023	Buy	14470	MMBtu
Spot	Twin Eagle G	11/28/2023	11/28/2023	Buy	12900	MMBtu
Spot	Vitol Inc.	11/28/2023	11/28/2023	Buy	50000	MMBtu
Spot	TENASKA MARKETING VE	11/28/2023	11/28/2023	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	11/28/2023	11/28/2023	Buy	8000	MMBtu
Spot	Vitol Inc.	11/29/2023	11/29/2023	Buy	10000	MMBtu
Spot	Twin Eagle G	11/29/2023	11/29/2023	Buy	10000	MMBtu

Duke Energy Kentucky - Physical Natural Gas Purchases
November 1, 2023 - April 30, 2024

Spot/Contract	Counterpart	Start Date	End Date	Buy/Sell	Qty	Qty UOM
Spot	Twin Eagle G	11/30/2023	11/30/2023	Buy	10000	MMBtu

Duke Energy Kentucky - Physical Natural Gas Purchases
November 1, 2023 - April 30, 2024

Spot/Contract	Counterpart	Start Date	End Date	Buy/Sell	Qty	Qty UOM
Spot	Twin Eagle G	12/1/2023	12/1/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	12/4/2023	12/4/2023	Buy	20000	MMBtu
Spot	Vitol Inc.	12/5/2023	12/5/2023	Buy	30000	MMBtu
Spot	Vitol Inc.	12/6/2023	12/6/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	12/7/2023	12/7/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	12/8/2023	12/8/2023	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	12/10/2023	12/10/2023	Buy	30000	MMBtu
Spot	Eco Energy Nat Gas	12/11/2023	12/11/2023	Buy	16000	MMBtu
Spot	TENASKA MARKETING VE	12/11/2023	12/11/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	12/11/2023	12/11/2023	Buy	10000	MMBtu
Spot	Twin Eagle G	12/11/2023	12/11/2023	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	12/11/2023	12/11/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	12/12/2023	12/12/2023	Buy	20000	MMBtu
Spot	TENASKA MARKETING VE	12/12/2023	12/12/2023	Buy	20000	MMBtu
Spot	TENASKA MARKETING VE	12/13/2023	12/13/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	12/19/2023	12/19/2023	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	12/19/2023	12/19/2023	Buy	16000	MMBtu
Spot	TENASKA MARKETING VE	12/19/2023	12/19/2023	Buy	15000	MMBtu
Spot	Eco Energy Nat Gas	12/20/2023	12/20/2023	Buy	5000	MMBtu
Spot	Vitol Inc.	12/20/2023	12/20/2023	Buy	5000	MMBtu
Spot	TENASKA MARKETING VE	12/20/2023	12/20/2023	Buy	25000	MMBtu
Spot	Vitol Inc.	12/21/2023	12/21/2023	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	12/21/2023	12/21/2023	Buy	16000	MMBtu
Spot	TENASKA MARKETING VE	12/22/2023	12/22/2023	Buy	10000	MMBtu
Spot	Vitol Inc.	1/4/2024	1/4/2024	Buy	30000	MMBtu
Spot	TENASKA MARKETING VE	1/5/2024	1/5/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	1/5/2024	1/5/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	1/6/2024	1/6/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	1/7/2024	1/7/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	1/8/2024	1/8/2024	Buy	10000	MMBtu
Spot	Twin Eagle G	1/9/2024	1/9/2024	Buy	10000	MMBtu
Spot	Vitol Inc.	1/17/2024	1/17/2024	Buy	20000	MMBtu
Spot	Vitol Inc.	1/17/2024	1/17/2024	Buy	20000	MMBtu

Duke Energy Kentucky - Physical Natural Gas Purchases
November 1, 2023 - April 30, 2024

Spot/Contract	Counterpart	Start Date	End Date	Buy/Sell	Qty	Qty UOM
Spot	Vitol Inc.	1/18/2024	1/18/2024	Buy	10000	MMBtu
Spot	Vitol Inc.	1/19/2024	1/19/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	1/20/2024	1/22/2024	Buy	10000	MMBtu
Spot	Vitol Inc.	1/20/2024	1/20/2024	Buy	20000	MMBtu
Spot	TENASKA MARKETING VE	1/21/2024	1/21/2024	Buy	5000	MMBtu
Spot	Vitol Inc.	2/7/2024	2/7/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	2/8/2024	2/8/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	2/12/2024	2/12/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	2/13/2024	2/13/2024	Buy	20000	MMBtu
Spot	Vitol Inc.	2/16/2024	2/16/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	2/20/2024	2/20/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	2/21/2024	2/21/2024	Buy	10020	MMBtu
Spot	Vitol Inc.	2/24/2024	2/24/2024	Buy	24000	MMBtu
Spot	Eco Energy Nat Gas	2/25/2024	2/25/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	2/29/2024	2/29/2024	Buy	15000	MMBtu
Spot	TENASKA MARKETING VE	2/29/2024	2/29/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	3/5/2024	3/5/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	3/6/2024	3/6/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	3/18/2024	3/18/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	3/19/2024	3/19/2024	Buy	20000	MMBtu
Spot	TENASKA MARKETING VE	3/19/2024	3/19/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	3/20/2024	3/20/2024	Buy	20000	MMBtu
Spot	Vitol Inc.	3/20/2024	3/20/2024	Buy	20000	MMBtu
Spot	Vitol Inc.	3/21/2024	3/21/2024	Buy	20000	MMBtu
Spot	TENASKA MARKETING VE	3/22/2024	3/22/2024	Buy	10000	MMBtu
Spot	Vitol Inc.	3/23/2024	3/25/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	3/23/2024	3/23/2024	Buy	20000	MMBtu
Spot	Eco Energy Nat Gas	3/27/2024	3/27/2024	Buy	25000	MMBtu
Spot	Vitol Inc.	3/28/2024	3/28/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	3/29/2024	3/29/2024	Buy	20000	MMBtu
Spot	Eco Energy Nat Gas	3/30/2024	3/30/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	4/1/2024	4/1/2024	Buy	5000	MMBtu
Spot	Vitol Inc.	4/1/2024	4/1/2024	Buy	5000	MMBtu
Spot	Eco Energy Nat Gas	4/1/2024	4/1/2024	Buy	20000	MMBtu
Spot	TENASKA MARKETING VE	4/1/2024	4/1/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	4/4/2024	4/4/2024	Buy	15000	MMBtu
Spot	Eco Energy Nat Gas	4/4/2024	4/4/2024	Buy	23000	MMBtu
Spot	Eco Energy Nat Gas	4/5/2024	4/5/2024	Buy	8000	MMBtu
Spot	TENASKA MARKETING VE	4/5/2024	4/5/2024	Buy	8000	MMBtu

Duke Energy Kentucky - Physical Natural Gas Purchases
November 1, 2023 - April 30, 2024

Spot/Contract	Counterpart	Start Date	End Date	Buy/Sell	Qty	Qty UOM
Spot	Eco Energy Nat Gas	4/6/2024	4/6/2024	Buy	4000	MMBtu
Spot	NRG BusMrktg	4/6/2024	4/6/2024	Buy	4000	MMBtu
Spot	TENASKA MARKETING VE	4/6/2024	4/6/2024	Buy	4000	MMBtu
Spot	Vitol Inc.	4/6/2024	4/6/2024	Buy	4000	MMBtu
Spot	Eco Energy Nat Gas	4/6/2024	4/6/2024	Buy	20000	MMBtu
Spot	TENASKA MARKETING VE	4/7/2024	4/7/2024	Buy	8000	MMBtu
Spot	Vitol Inc.	4/7/2024	4/7/2024	Buy	8000	MMBtu
Spot	Eco Energy Nat Gas	4/8/2024	4/8/2024	Buy	8000	MMBtu
Spot	Vitol Inc.	4/8/2024	4/8/2024	Buy	8000	MMBtu
Spot	NRG BusMrktg	4/9/2024	4/9/2024	Buy	13000	MMBtu
Spot	TENASKA MARKETING VE	4/9/2024	4/9/2024	Buy	7000	MMBtu
Spot	Vitol Inc.	4/9/2024	4/9/2024	Buy	15000	MMBtu
Spot	TENASKA MARKETING VE	4/9/2024	4/9/2024	Buy	20000	MMBtu
Spot	Vitol Inc.	4/10/2024	4/10/2024	Buy	15000	MMBtu
Spot	Twin Eagle G	4/10/2024	4/10/2024	Buy	11500	MMBtu
Spot	TENASKA MARKETING VE	4/10/2024	4/10/2024	Buy	18000	MMBtu
Spot	TENASKA MARKETING VE	4/11/2024	4/11/2024	Buy	18000	MMBtu
Spot	NRG BusMrktg	4/11/2024	4/11/2024	Buy	6000	MMBtu
Spot	Eco Energy Nat Gas	4/11/2024	4/11/2024	Buy	10000	MMBtu
Spot	Vitol Inc.	4/11/2024	4/11/2024	Buy	24000	MMBtu
Spot	TENASKA MARKETING VE	4/11/2024	4/11/2024	Buy	8000	MMBtu
Spot	Eco Energy Nat Gas	4/11/2024	4/11/2024	Buy	4000	MMBtu
Spot	Vitol Inc.	4/12/2024	4/12/2024	Buy	10000	MMBtu
Spot	Vitol Inc.	4/12/2024	4/12/2024	Buy	30000	MMBtu
Spot	Eco Energy Nat Gas	4/15/2024	4/15/2024	Buy	20000	MMBtu
Spot	NRG BusMrktg	4/15/2024	4/15/2024	Buy	13000	MMBtu
Spot	Eco Energy Nat Gas	4/15/2024	4/15/2024	Buy	3000	MMBtu
Spot	TENASKA MARKETING VE	4/15/2024	4/15/2024	Buy	14000	MMBtu
Spot	TENASKA MARKETING VE	4/17/2024	4/17/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	4/18/2024	4/18/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	4/21/2024	4/21/2024	Buy	7999	MMBtu
Spot	TENASKA MARKETING VE	4/22/2024	4/22/2024	Buy	30000	MMBtu
Spot	NRG BusMrktg	4/23/2024	4/23/2024	Buy	4400	MMBtu
Spot	TENASKA MARKETING VE	4/23/2024	4/23/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	4/24/2024	4/24/2024	Buy	15000	MMBtu
Spot	TENASKA MARKETING VE	4/24/2024	4/24/2024	Buy	10000	MMBtu
Spot	Eco Energy Nat Gas	4/25/2024	4/25/2024	Buy	15000	MMBtu
Spot	TENASKA MARKETING VE	4/26/2024	4/26/2024	Buy	15000	MMBtu

Duke Energy Kentucky - Physical Natural Gas Purchases
November 1, 2023 - April 30, 2024

Spot/Contract	Counterpart	Start Date	End Date	Buy/Sell	Qty	Qty UOM
Spot	Vitol Inc.	4/26/2024	4/26/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	4/29/2024	4/29/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	4/29/2024	4/29/2024	Buy	10000	MMBtu
Spot	Vitol Inc.	4/29/2024	4/29/2024	Buy	10000	MMBtu
Spot	TENASKA MARKETING VE	4/30/2024	4/30/2024	Buy	15000	MMBtu
Spot	TENASKA MARKETING VE	4/30/2024	4/30/2024	Buy	10000	MMBtu

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-007

REQUEST:

For 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:

For the purposes of this response, “a natural gas generating unit” is defined as the Company’s Woodsdale Generating Station (Woodsdale), which is a six-unit natural gas-fired combustion turbine (CT) facility with fuel oil back-up located in Trenton, Ohio. For the period under review, there were five days in which the Company’s Woodsdale Generation Station could not be operated when it otherwise would have been available to run due to pipeline constraints or natural gas being unavailable. On April 2, 3, 16, 17, and 18, 2024, the Woodsdale units were unavailable on natural gas due to scheduled pipeline maintenance. However, due to Woodsdale station’s dual fuel capability, the station was not prevented from operating because the units were available to be dispatched on oil during those times. There were no issues during the period with pipeline gas pressure that caused Woodsdale units to be removed from service. Finally, there were occasional TETCO issued Operational Flow Orders (OFO) that resulted in the necessity to utilize Woodsdale station’s dual fuel offer capability at the end of a gas day after the last as nomination cycle. This allowed the units to remain available to PJM and be offered on fuel oil pricing.

PERSON RESPONSIBLE: John D. Swez

STAFF-DR-01-008

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.

Duke Energy Kentucky did not engage in financial hedging transactions with respect to coal purchases. Duke Energy Kentucky contracts for physical deliveries of coal through fixed term coal transactions within a balanced portfolio of purchases. The Company also maintains a portfolio with multiple suppliers to mitigate potential supply interruption risk.

Duke Energy Kentucky did not engage in financial hedging activities for natural gas purchases used for generation.

PERSON RESPONSIBLE: Kimberly Hughes
Jim McClay

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-009

REQUEST:

State whether Duke Kentucky has audited any of its fuel or transportation contracts during the period under review. If so, for each audited contract:

- a. Identify the contract;
- b. Identify the auditor;
- c. State the results of the audit; and
- d. Describe the actions that Duke Kentucky took as a result of the audit.

RESPONSE:

Coal

Duke Energy Kentucky has not audited any of its coal or coal transportation contracts during the period of November 1, 2023, through April 30, 2024.

Natural Gas, Natural Gas Transportation, and Fuel Oil

Duke Energy Kentucky has not audited any of its fuel or transportation contracts during the period of November 1, 2023, through April 30, 2024.

PERSON RESPONSIBLE: Kimberly Hughes
 Jim McClay

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-010

REQUEST:

State whether Duke Kentucky is currently involved in any litigation with its current or former fuel suppliers or transportation vendors.

a. If so, for each litigation:

- (1) Identify the supplier or vendor;
- (2) Identify the contract involved;
- (3) State the potential liability or recovery to Duke Kentucky;
- (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.

b. Identify and provide the current status of all litigation with suppliers or vendors.

RESPONSE:

Duke Energy Kentucky is not currently involved in any litigation with its current or former fuel suppliers or transportation vendors.

a. Not applicable.

b. Not applicable.

PERSON RESPONSIBLE:

Kimberly Hughes
Jim McClay

STAFF-DR-01-011

REQUEST:

For the period under review, state whether there have been any changes to Duke Kentucky's written policies and procedures regarding its fuel procurement.

a. 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.

b. If no, provide the date Duke Kentucky's current fuel procurement policies and procedures were last changed, provide the date when they were last provided to the Commission, and identify the proceeding in which they were provided. If any current fuel procurement policies and procedures have not been provided to the Commission, provide those fuel procurement policies and procedures and explain why they were not previously provided.

RESPONSE:

Coal, Natural Gas, and Fuel Oil

a. There have been no changes to Duke Energy Kentucky's written policies and procedures regarding its fuel procurement.

b. The "**Regulated Risk Limits Manual**" was updated on June 1, 2023. The "Regulated Risk Limits Manual" document was submitted with the Company's responses

to Staff's First Request for Information in Case No. 2024-00148.

The **Regulated Utilities Risk Management Control Manual** was updated and approved on January 7, 2021. The "Regulated Utilities Risk Management Control Manual" document was submitted with the Company's responses to Staff's First Request for Information in Case No. 2021-00296.

Coal

a. The procedures in response to (b) below remained unchanged during the period under review.

b. There were no changes to the **Coal and Reagents Procedure**. The Coal and Reagents Procedure was updated on March 1, 2021. This document was submitted with the Company's responses to Commission Staff's First Request for Information in Case No. 2021-00296.

Natural Gas & Fuel Oil

a. The procedures in response to (b) below remained unchanged during the period under review.

b. The Fuels and System Optimization (FSO) DEK Emissions Trading Process & Procedure Check List," and the "Fuel Oil Emergency Procedure" were updated in May 2015, and June 2015, respectively. These two documents were submitted with the Company's responses to Commission Staff's First Request for Information in Case No. 2017-00005. The "DEI and DEK Gas Trading Procedure for Off-Premise Transactions" was updated in June 2019 and it was submitted with the Company's responses to Commission Staff's First Request for Information in Case No. 2020-00008.

PERSON RESPONSIBLE: Kimberly Hughes
Jim McClay

**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-012

REQUEST:

For the period under review, list all firm power commitments for (a) purchases and (b) sales. This list shall identify the electric utility, the amount of commitment in megawatts, and the purpose of the commitment (i.e., peaking, emergency).

RESPONSE:

Duke Energy Kentucky had no firm power commitments during this period.

PERSON RESPONSIBLE: John D. Swez

**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-013

REQUEST:

Provide a monthly billing summary of sales to all electric utilities for the period under review.

RESPONSE:

Please see STAFF-DR-01-013 Attachment.

PERSON RESPONSIBLE: Libbie Miller

DUKE ENERGY KENTUCKY
SUMMARY OF SALES

Supplier/Buyer		Transaction Type	kWh	Charges (\$)			
				Demand	Fuel	Other	Total
Month Ended November 30, 2023							
PJM Interconnection, LLC		Economy Sales	18,721,060	0	847,999	(120,807)	727,192
Total Sales			18,721,060	0	847,999	(120,807)	727,192
Month Ended December 31, 2023							
PJM Interconnection, LLC		Economy Sales	22,291,050	0	899,190	(68,091)	831,099
Total Sales			22,291,050	0	899,190	(68,091)	831,099
Month Ended January 31, 2024							
PJM Interconnection, LLC		Economy Sales	6,363,970	0	561,087	(204,482)	356,605
Total Sales			6,363,970	0	561,087	(204,482)	356,605
Month Ended February 29, 2024							
PJM Interconnection, LLC		Economy Sales	15,500,640	0	469,870	74,751	544,621
Total Sales			15,500,640	0	469,870	74,751	544,621
Month Ended March 31, 2024							
PJM Interconnection, LLC		Economy Sales	19,572,560	0	648,111	(101,954)	546,157
Total Sales			19,572,560	0	648,111	(101,954)	546,157
Month Ended April 30, 2024							
PJM Interconnection, LLC		Economy Sales	33,588,250	0	938,106	64,019	1,002,125
Total Sales			33,588,250	0	938,106	64,019	1,002,125

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-014

REQUEST:

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. Duke Energy Kentucky did not have any intersystem sales during the review period.
- b. Not applicable.

PERSON RESPONSIBLE: John D. Swez
Libbie Miller

**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-015

REQUEST:

Provide a list, in chronological order, showing by unit any scheduled, actual, and forced outages for the period under review.

RESPONSE:

Please see STAFF-DR-01-015 Attachment.

PERSON RESPONSIBLE: John D. Swez

DEK FAC 2025-00077
PSC DR 1.15
Review Period: 11/1/2023 - 4/30/2024

Unit	Event Type	Scheduled Hours	Forced Hours	Actual Hours	Event Duration Hours	Event Start	Event End	Event Description
East Bend Steam-2	PO	1199.00	0.00	1,199.00	1,199.00	9/18/23 4:00 AM	11/7/23 3:00 AM	Fall Planned Outage
East Bend Steam-2	PO	19.70	0.00	19.70	19.70	11/7/23 10:54 AM	11/8/23 6:36 AM	Boiler Feed Pump and Turbine Overspeed Protection Control Upgrade Testing
East Bend Steam-2	PO	9.30	0.00	9.30	9.30	11/12/23 3:56 AM	11/12/23 1:14 PM	Boiler Feed Pump and Turbine Overspeed Protection Control Upgrade Testing
East Bend Steam-2	PO	16.30	0.00	16.30	16.30	11/12/23 1:28 PM	11/13/23 5:46 AM	Boiler Feed Pump and Turbine Overspeed Protection Control Upgrade Testing
Woodsdale CT-1	PO	12.00	0.00	12.00	12.00	11/16/23 11:00 AM	11/16/23 11:00 PM	Repairs made on main plant UPS system, both primary and backups.
Woodsdale CT-2	PO	12.00	0.00	12.00	12.00	11/16/23 11:00 AM	11/16/23 11:00 PM	Repairs made on main plant UPS system, both primary and backups.
Woodsdale CT-3	PO	12.00	0.00	12.00	12.00	11/16/23 11:00 AM	11/16/23 11:00 PM	Repairs made on main plant UPS system, both primary and backups.
Woodsdale CT-4	PO	12.00	0.00	12.00	12.00	11/16/23 11:00 AM	11/16/23 11:00 PM	Repairs made on main plant UPS system, both primary and backups.
Woodsdale CT-5	PO	12.00	0.00	12.00	12.00	11/16/23 11:00 AM	11/16/23 11:00 PM	Repairs made on main plant UPS system, both primary and backups.
Woodsdale CT-6	PO	12.00	0.00	12.00	12.00	11/16/23 11:00 AM	11/16/23 11:00 PM	Repairs made on main plant UPS system, both primary and backups.
East Bend Steam-2	MO	65.53	0.00	65.53	65.53	11/26/23 7:32 AM	11/29/23 1:04 AM	Waste Stabilization Flyash Feeder Gearbox Repair
Woodsdale CT-5	U1	0.00	47.00	47.00	47.00	11/29/23 3:00 AM	12/1/23 2:00 AM	Unit automatically tripped due to CB1508 yard breaker opening. Still under investigat
Woodsdale CT-6	U1	0.00	47.00	47.00	47.00	11/29/23 3:00 AM	12/1/23 2:00 AM	Unit manually tripped due to CB1508 yard breaker opening. Still under investigation.
Woodsdale CT-6	SF	0.00	76.22	76.22	76.22	12/4/23 11:10 AM	12/7/23 3:23 PM	Unit Sync. Not giving Close command to BKR
Woodsdale CT-4	MO	3.87	0.00	3.87	3.87	12/8/23 8:10 PM	12/9/23 12:02 AM	Repaired electrical short on NOZ valve solenoid.
Woodsdale CT-2	U1	0.00	2.32	2.32	2.32	12/10/23 12:41 PM	12/10/23 3:00 PM	Tested SFC after Trouble shooting (crank test successful made unit available) 12/10/23
Woodsdale CT-3	U1	0.00	2.32	2.32	2.32	12/10/23 12:41 PM	12/10/23 3:00 PM	Unit back available after sync work, 12/10/23 10:00
Woodsdale CT-6	SF	0.00	2.83	2.83	2.83	12/12/23 10:58 AM	12/12/23 1:48 PM	Unit back Available After Sync work, 12/12/23 8:48
Woodsdale CT-5	MO	1.00	0.00	1.00	1.00	12/18/23 1:00 PM	12/18/23 2:00 PM	Unit unavailable to add SF6 gas to gen breaker
Woodsdale CT-4	MO	1.00	0.00	1.00	1.00	12/18/23 2:00 PM	12/18/23 3:00 PM	Unit unavailable to add SF6 gas to gen breaker
Woodsdale CT-3	MO	1.00	0.00	1.00	1.00	12/18/23 3:00 PM	12/18/23 4:00 PM	Unit unavailable to add SF6 gas to gen breaker
Woodsdale CT-4	MO	6.32	0.00	6.32	6.32	12/20/23 11:00 AM	12/20/23 5:19 PM	Had to calibrate gas fuel flow meter for compliance.
Woodsdale CT-4	SF	0.00	3.05	3.05	3.05	1/8/24 11:58 AM	1/8/24 3:01 PM	Unit back available after FO breaker calibration
Woodsdale CT-1	SF	0.00	3.00	3.00	3.00	1/8/24 12:01 PM	1/8/24 3:01 PM	Unit back available after FO breaker calibration
Woodsdale CT-3	SF	0.00	3.00	3.00	3.00	1/8/24 12:01 PM	1/8/24 3:01 PM	Unit back available after FO breaker calibration
Woodsdale CT-4	SF	0.00	8.53	8.53	8.53	1/15/24 11:45 AM	1/15/24 8:17 PM	Unit back available after ignition system trouble
Woodsdale CT-3	SF	0.00	1.23	1.23	1.23	1/15/24 11:50 AM	1/15/24 1:04 PM	Unit back available after ignition system trouble
East Bend Steam-2	MO	193.75	0.00	193.75	193.75	1/22/24 7:27 PM	1/30/24 9:12 PM	FGD Chemistry
Woodsdale CT-4	SF	0.00	8.78	8.78	8.78	1/30/24 11:58 AM	1/30/24 8:45 PM	Replaced bad card on FO control valve.
East Bend Steam-2	U1	0.00	3.73	3.73	3.73	1/31/24 5:32 AM	1/31/24 9:16 AM	2-1 mill, wet coal causing feeder plugging and drum level to trip
Woodsdale CT-5	U1	0.00	2.85	2.85	2.85	2/20/24 12:12 PM	2/20/24 3:03 PM	Replaced blowoff solenoid.
Woodsdale CT-1	PO	2006.67	0.00	2,006.67	2,006.67	3/1/24 5:01 AM	5/23/24 7:41 PM	Turbine blade replacement, rows 1-4
Woodsdale CT-5	U1	0.00	2.22	2.22	2.22	3/21/24 9:52 AM	3/21/24 12:05 PM	Unit would not sync due to low SF6 gas pressure, raised gas pressure and test ran unit
Woodsdale CT-6	PO	9.43	0.00	9.43	9.43	3/27/24 4:01 AM	3/27/24 1:27 PM	Unit unavailable to change out gas fuel flow meter.
Woodsdale CT-2	U1	0.00	1.00	1.00	1.00	3/29/24 9:00 AM	3/29/24 10:00 AM	Reset SFC, test cranked, remoted started successfully @ 17:12 on 3/29.
Woodsdale CT-2	U1	0.00	5.83	5.83	5.83	4/5/24 8:47 AM	4/5/24 2:37 PM	Unit would not sync, cranked a few times, test ran unit.
East Bend Steam-2	MO	359.97	0.00	359.97	359.97	4/13/24 4:01 AM	4/28/24 3:59 AM	Superheat spray valve repairs
Woodsdale CT-2	PO	328.83	0.00	328.83	328.83	4/20/24 4:01 AM	5/3/24 8:51 PM	Spring outage/Borescope
Woodsdale CT-4	U1	0.00	33.27	33.27	33.27	4/21/24 10:00 AM	4/22/24 7:16 PM	Stroked blow-off valves, check water injection, test ran, returned to service 4/22 @ 1

DEK FAC 2025-00077
PSC DR 1.15
Review Period: 11/1/2023 - 4/30/2024

Unit	Event Type	Scheduled Hours	Forced Hours	Actual Hours	Event Duration Hours	Event Start	Event End	Event Description
Woodsdale CT-5	SF	0.00	4.30	4.30	4.30	4/23/24 8:25 AM	4/23/24 12:43 PM	Unit would not sync due to low SF6 gas pressure, raised gas pressure, test ran, return
Woodsdale CT-4	U1	0.00	16.02	16.02	16.02	4/24/24 8:45 PM	4/25/24 12:46 PM	Swapped power oil pump filter, test ran 4/25 @ 0836 unit tested fine.
Woodsdale CT-4	PO	305.15	0.00	305.15	305.15	4/27/24 4:01 AM	5/9/24 9:10 PM	Spring outage/Borescope
Woodsdale CT-3	PO	323.28	0.00	323.28	323.28	4/27/24 4:01 AM	5/10/24 3:18 PM	Spring outage/Borescope

- Event Type Legend:
- POPlanned Outage
 - PEPlanned Outage Extension
 - MOMaintenance Outage
 - MEMaintenance Outage Extension
 - U1Unplanned (Forced) Outage – Immediate
 - U2Unplanned (Forced) Outage – Delayed
 - U3Unplanned (Forced) Outage – Postponed
 - SFStartup Failure (Forced Outage)

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-016

REQUEST:

For the period under review, provide the monthly supporting peaking unit equivalent calculations in electronic Excel spreadsheet format with all formulas, columns, and rows unprotected and fully accessible for the forced outage calculations. In addition, provide the corresponding amount, if any, of forced outage purchased power collected through the purchase power adjustment tariff.

RESPONSE:

Duke Energy Kentucky does not use peaking unit equivalent calculations in support of forced outage calculations. Also, Duke Energy Kentucky does not collect forced outage purchased power through an adjustment tariff. The Commission denied the continuation of the forced outage purchased power deferral in Case No. 2022-00372 dated October 12, 2023.

PERSON RESPONSIBLE: Scott Burnside
Libbie Miller

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-017

REQUEST:

For the period under review, provide the monthly capacity factor at which each generating unit operated.

RESPONSE:

East Bend

<u>Month</u>	<u>Net MWH</u>	<u>Period Hours*</u>	<u>MW Rating</u>	<u>MW Hours</u>	<u>Net Capacity Factor</u>
November-23	176,192	721	600	432,600	40.73%
December-23	296,272	744	600	446,400	66.37%
January-24	228,453	744	600	446,400	51.18%
February-24	263,912	696	600	417,600	63.20%
March-24	272,661	743	600	445,800	61.16%
April-24	<u>108,183</u>	<u>720</u>	<u>600</u>	<u>432,000</u>	<u>25.04%</u>
Total	1,345,673	4,368	600	2,620,800	51.35%

Total Period - Woodsdale

<u>Woodsdale Station</u>	<u>Net MWH</u>	<u>Period Hours</u>	<u>MW Rating</u>	<u>MW Hours</u>	<u>Net Capacity Factor</u>
Unit 1	4,080	4,368	91.33	399,064	1.02%
Unit 2	22,091	4,368	91.33	399,064	5.54%
Unit 3	22,874	4,368	91.33	399,064	5.73%
Unit 4	19,960	4,368	91.33	399,064	5.00%
Unit 5	26,819	4,368	91.33	399,064	6.72%
Unit 6	<u>25,287</u>	<u>4,368</u>	91.33	<u>399,064</u>	<u>6.34%</u>
Total	121,111	26,208	91.33	2,394,384	5.06%

Nov-23

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours *</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	1,599	721	86	62,006	2.58%
Unit 2	4,043	721	86	62,006	6.52%
Unit 3	3,785	721	86	62,006	6.10%
Unit 4	3,547	721	86	62,006	5.72%
Unit 5	3,761	721	86	62,006	6.07%
Unit 6	<u>3,326</u>	<u>721</u>	86	<u>62,006</u>	<u>5.36%</u>
Total	20,061	4,326	86	372,036	5.39%

Dec-23

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	1,086	744	94	69,936	1.55%
Unit 2	2,271	744	94	69,936	3.25%
Unit 3	1,957	744	94	69,936	2.80%
Unit 4	1,949	744	94	69,936	2.79%
Unit 5	2,641	744	94	69,936	3.78%
Unit 6	<u>2,241</u>	<u>744</u>	94	<u>69,936</u>	<u>3.20%</u>
Total	12,145	4,464	94	419,616	2.89%

Jan-24

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	352	744	94	69,936	0.50%
Unit 2	1,359	744	94	69,936	1.94%
Unit 3	1,298	744	94	69,936	1.86%
Unit 4	1,382	744	94	69,936	1.98%
Unit 5	1,282	744	94	69,936	1.83%
Unit 6	<u>1,485</u>	<u>744</u>	94	<u>69,936</u>	<u>2.12%</u>
Total	7,158	4,464	94	419,616	1.71%

Feb-24

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	1,259	696	94	65,424	1.92%
Unit 2	2,722	696	94	65,424	4.16%
Unit 3	2,395	696	94	65,424	3.66%
Unit 4	2,379	696	94	65,424	3.64%
Unit 5	2,640	696	94	65,424	4.04%
Unit 6	2,689	696	94	65,424	4.11%
Total	14,084	4,176	94	392,544	3.59%

Mar-24

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours *</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	(115)	743	94	69,842	-0.16%
Unit 2	4,153	743	94	69,842	5.95%
Unit 3	2,892	743	94	69,842	4.14%
Unit 4	2,846	743	94	69,842	4.07%
Unit 5	3,906	743	94	69,842	5.59%
Unit 6	3,250	743	94	69,842	4.65%
Total	16,932	4,458	94	419,052	4.04%

Apr-24

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	(101)	720	86	61,920	-0.16%
Unit 2	7,543	720	86	61,920	12.18%
Unit 3	10,547	720	86	61,920	17.03%
Unit 4	7,857	720	86	61,920	12.69%
Unit 5	12,589	720	86	61,920	20.33%
Unit 6	12,296	720	86	61,920	19.86%
Total	50,731	4,320	86	371,520	13.65%

*November and March period hours adjusted by 1 hour for daylight savings time

PERSON RESPONSIBLE:

John D. Swez
Libbie Miller

**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-018

REQUEST:

For the period under review, explain whether Duke Kentucky made any changes to its maintenance and operation practices or completed any specific generation efficiency improvements that affect fuel usage at Duke Kentucky's generation facilities. If so, describe the impact of these changes on Duke Kentucky's fuel usage.

RESPONSE:

During the period under review, there have been no changes to maintenance and operation practices or completions of any specific generation efficiency improvements that affect fuel usage at Duke Energy Kentucky's generation facilities.

PERSON RESPONSIBLE: John D. Swez

**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-019

REQUEST:

State whether Duke Kentucky is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period under review.

RESPONSE:

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

PERSON RESPONSIBLE: Kimberly Hughes
Jim McClay

**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-020

REQUEST:

State whether Duke Kentucky is aware of any violations of 807 KAR 5:056 that occurred prior to or during the period under review.

RESPONSE:

Duke Energy Kentucky is not aware of any instances where it may have violated 807 KAR 5:056 during the period under review.

PERSON RESPONSIBLE: Libbie Miller

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-021

REQUEST:

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:

Coal

All contracts for coal and coal transportation contracts have been filed with the Commission with the exception of Central Coal Company as agent for Knight Hawk Coal, LLC PO 35366 which was overlooked in error. The contract is attached as STAFF-DR-01-021 Attachment.

Natural Gas:

All contracts for natural gas and natural gas transportation contracts have been filed with the Commission.

Fuel Oil

All contracts for fuel oil and fuel oil transportation contracts have been filed with the Commission.

PERSON RESPONSIBLE:

Kimberly Hughes
Jim McClay



CONFIRMATION AGREEMENT

Date: December 14, 2022

Seller :

**Central Coal Company
as agent for Knight Hawk Coal, LLC
148 Bristol East Rd.
Bristol, VA 24202**

Attn: Clark Wisman

Tel. [REDACTED]

Email: [REDACTED]

Buyer :

Duke Energy Kentucky, Inc.

**526 South Church Street, EC02F
Charlotte NC 28202**

Attn: Ken Stover

Sr. Originator

Tel. [REDACTED]

Email: [REDACTED]

Ref. #: 35366

This confirms the agreement entered into by and between Duke Energy Kentucky, Inc. ("**Buyer**") and Central Coal Company as agent for Knight Hawk Coal, LLC ("**Seller**") regarding the sale and purchase of coal (the "**Transaction**") under the terms specified herein. Buyer and Seller may sometimes hereinafter be referred to individually as a "**Party**" and collectively as the "**Parties**".

This Confirmation Agreement constitutes an agreement for the sale and purchase of coal and constitutes a "Confirmation" under the Master Agreement (as defined below). This Confirmation supplements, forms a part of, and is subject to, the terms and conditions of that certain Master Agreement dated January 1, 2017 as it has been or may be amended and supplemented from time to time between (the "**Master Agreement**") between Seller and Duke Energy Business Services, LLC as agent for each individually of Duke Energy Carolinas, LLC; Duke Energy Kentucky, Inc.; Duke Energy Florida, LLC; Duke Energy Indiana, LLC; and Duke Energy Progress, LLC. For the avoidance of doubt, however, none of Duke Energy Business Services, LLC; Duke Energy Carolinas, LLC; Duke Energy Florida, LLC; Duke Energy Indiana, LLC; or Duke Energy Progress, LLC will have any rights, duties, or obligations, pursuant to or in connection with this Confirmation. All provisions contained in the Master Agreement govern this Confirmation to the extent not in conflict with the terms hereof. The terms of this Confirmation shall prevail in the event of an inconsistency between the terms of this Confirmation and the Master Agreement. The Confirmation shall be considered as a separate agreement between the parties effective on January 16, 2023 subject to the Conditions Precedent Section below herein. Terms used but not defined herein shall have the meanings ascribed to them in the Master Agreement.

Quote Date: N/A

Commodity: Crushed coal, containing no synthetic fuels, and free from any extraneous materials, with no intermediate sizes added or removed and otherwise meeting the Specifications of this Confirmation.

Term: January 16 2023 through December 31, 2025, inclusive (“**Term**”) subject to the provisions of the Conditions Precedent Section below.

Contract Quantity: During the period of time commencing on January 16, 2023 and ending on December 31, 2023, inclusive (“**CY2023**”) the Contract Quantity is approximately 718,239 Tons (“**2023 Base Tons**”) to be delivered and accepted in approximately equal monthly shipments subject to the provisions of each of the Conditions Precedent, Primary Purpose, and ROFR Sections below herein.

During the period of time commencing on January 1, 2024 and ending on December 31, 2024, inclusive (“**CY2024**”) the Contract Quantity is approximately 453,877 Tons (“**2024 Base Tons**”) to be delivered and accepted in approximately equal monthly shipments subject to the provisions of the Conditions Precedent, Primary Purpose, and ROFR Sections below herein.

During the period of time commencing on January 1, 2025 and ending on December 31, 2025, inclusive (“**CY2025**”) the Contract Quantity is approximately 262,500 Tons (“**2025 Base Tons**”) to be delivered and accepted in approximately equal monthly shipments subject to the provisions of the Conditions Precedent, Primary Purpose, and ROFR Sections below herein.

Conditions Precedent:

1. Buyer and Seller are parties to a Confirmation Agreement Ref: #34725 dated August 27, 2021 (as amended “**PO34725**”) pursuant to which Seller agreed to sell and deliver and Buyer agreed to purchase and accept certain volumes of Coal. Buyer and Seller acknowledge and agree that the Term of this Confirmation will not commence until all of the outstanding Coal purchase and sale obligations under PO34725 have been fully satisfied.
2. Buyer and Seller are also parties to each of the Existing Confirmations (as defined below) pursuant to which Seller agreed to sell and deliver and Buyer agreed to purchase and accept certain volumes of Coal thereunder. Buyer and Seller each acknowledges and agrees, however, that any volumes of Coal under each and every one of the Existing Confirmations that will remain outstanding as of January 16, 2023 have been incorporated into the Contract Quantity in this Confirmation. Contemporaneously with negotiating this Confirmation, Buyer and Seller have negotiated a Mutual Termination and Satisfaction Agreement also to be effective January 16, 2023 (“**Termination Agreement**”) pursuant to which *inter alia* each of the Existing Confirmations will be terminated.

Therefore, if the Termination Agreement has not been fully executed by each of Buyer and Seller by no later than 11:59 pm on January 16, 2022, this Confirmation and the rights, duties, and obligations of the Parties hereunder will be null and void *ab initio*. For the purposes hereof “**Existing Confirmations**” means each of the following including all modifications and amendments thereto:

- (a) Confirmation Agreement Ref: #34878 dated October 28, 2021; and
- (b) Confirmation Agreement Ref: #34995 dated May 13, 2021, as amended.

ROFR:

If and to the extent that Seller mines or reasonably anticipates mining a volume of Coal in any calendar year in excess of the 2023 Base Tons, 2024 Base Tons, or 2025 Base Tons, as applicable, (such volume the “**Additional Volume**”) Seller will give Buyer and Buyer’s affiliate company, Duke Energy Florida, LLC (“**DEF**”) the right of first refusal to purchase and accept such Additional Volume at the then current Contract Price applicable to the Contract Quantity for such calendar year pursuant to this Agreement or pursuant to Confirmation Agreement Ref. No. 35373 between Seller and DEF, as applicable. Any agreement by Buyer to purchase and accept such Additional Volume hereunder, if any, must be memorialized in writing. If and to the extent that Buyer and DEF each decline to purchase and accept such Additional Volume then Seller will have the free and unrestricted right to sell such Additional Volume to any one or more third party(ies) provided that such sale will not prohibit or limit, or could not be reasonably expected to prohibit or limit Seller from meeting its obligations pursuant to this Agreement.

Primary Purpose:

Seller acknowledges and agrees that (a) Buyer is purchasing the Coal hereunder with the intent to use such coal as fuel in certain of its coal-fired steam electric power energy units (each a “**Unit**”) at its coal-fired steam electric power generating station (“**Plant**”); (b) Buyer and its operations are subject to regulation, governance, and review by several federal and state regulatory and governmental agencies; (c) Buyer’s primary purpose and obligation is to generate and provide economic, reliable electrical energy power to its residential and commercial customers (“**Primary Purpose**”); and (d) therefore, notwithstanding any provisions of this Agreement that may appear to the contrary, including without limitation, those set forth in the Contract Quantity Section of this Confirmation or any provision of the Master Agreement, including without limitation Sections 3.1, 13.2, 14.1, 14.2, 14.3.2, 14.3.3, or 14.3.4 thereof, Buyer’s actual purchases and acceptance of the Coal at the Delivery Point under this Agreement, including all obligations and liabilities of any nature whatsoever that may otherwise have been imposed on Buyer with respect thereto (excluding solely the obligation to remit payment for Coal that was actually delivered to Buyer by Seller), may be reduced, suspended, or terminated by Buyer (without penalty, damages, or other obligation on the part of Buyer) due to reasons including but not

limited to (i) Plant or Unit outages, derates, or retirement (whether forced or planned); (ii) reductions in demand or need for the generation of electrical energy power from the Plant or any Unit thereof, including, without limitation changes in Buyer's overall generation commitment, dispatch protocol, or primary fuel designation; (iii) orders, rulings, or other actions or directives by any governmental authority or regulatory agency having jurisdiction over Buyer and/or the Plant that Buyer determines has or will have a direct impact on Buyer's operation of the Plant or any Unit thereof, and (iv) any other measures or actions reasonably necessary in order for Buyer to safely, effectively, and economically meet its Primary Purpose obligations and comply with all applicable laws, rules, and regulations in connection therewith, each as determined in Buyer's commercially reasonable judgement.

Contract Price: The Contract Price will be the Base Price as adjusted for fuel as provided in Exhibit 1 attached hereto and incorporated herein by reference.

The Base Price for all 2023 Base Tons as well as for all Additional Volumes, if any, that are purchased and sold hereunder during CY2023 is \$45.53 per Ton delivered at the Delivery Point.

The Base Price for all 2024 Base Tons as well as for all Additional Volumes, if any, that are purchased and sold hereunder during CY2024 is \$50.38 per Ton delivered at the Delivery Point.

The Base Price for all 2025 Base Tons as well as for all Additional Volumes, if any that are purchased and sold hereunder during CY2025 is \$49.00 per Ton delivered at the Delivery Point.

Source: Knight Hawk LLC's Prairie Eagle Mine, Perry County IL –Coal Seams No. 5 and No. 6.

Delivery Point: F.O.B. barge at Seller's Lone Eagle dock located at approximately MP105 on the upper Mississippi River ("**Delivery Point**")

Scheduling: Per the Master Agreement

Weighing/Sampling and Analysis: Per the Master Agreement

Billing and Payment: Per the Master Agreement

Coal Quality

Price Adjustments: BTU adjustments per the Master Agreement except that such adjustment will be calculated using the Base Price set forth above (exclusive of fuel adjustment). No other quality adjustments to apply

SO₂ Adjustment: Per the Master Agreement

Government

Impositions: The provisions of Section 4.3 of the Master Agreement do not apply to this Transaction

Coal Quality (“As-Received” basis):

Characteristic:	<u>Specifications</u> (Monthly Weighted Average)	<u>Rejection Limit</u> (Per Shipment)
Higher Heating Value (BTU/Lb)	11,200 minimum	<11,100
Ash Content (%)	9.0% maximum	> 10.0%
*SO ₂ (Lbs./MMBTU) Content	5.25 Lbs. maximum	>5.5 Lbs.
Moisture Content (%)	13.0% maximum	>15.0%
Volatile Matter (%)	34% minimum	<30%
Fusion Temp(Initial Deformation °F, Reducing Atmos.)	2700°F minimum	<2700°F
Grindability (HGI)	55 minimum	< 52
Chlorine (ppm)	800 maximum	>1000
Top Size	2” maximum	N/A
Hg (ppm)	0.06	>0.80
Fines (% By Weight Passing ¼” Screen)	35% maximum	>55%

*The pounds SO₂ per MMBtu shall be determined by the following formula:

(As Received Percent Sulfur x 20,000) / As Received Btu/Lb. = Pounds SO₂ per MMBtu

Other Terms and Conditions.

Seller represents and warrants that, as of the Quote Date and as of the date of this Confirmation, and, to the extent applicable, covenants for the Term of this Transaction that:

- (a) Seller presently owns or otherwise controls, and shall continue to own and control, whether directly or through an affiliate, Coal reserves in an amount sufficient to fulfill the terms of this Confirmation, the Coal contained in such reserves is mineable and of the quality called for by this Confirmation and Seller presently has approved governmental mining permits to fulfill the terms of this Confirmation,
- (b) There are no existing contractual commitments with respect to Coal reserves that would prevent delivery of the quantities of Coal specified in this Confirmation and Seller will not enter into contractual commitments during the Term of this Confirmation that will prevent such delivery,
- (c) Seller owns and has in operation, and shall continue to own and operate, whether directly or through an affiliate, mining facilities and equipment sufficient to produce the quantities of Coal to be delivered under this Confirmation and has obtained all necessary governmental and other third party permits (excluding unforeseen events as set forth in Section 12 of the Master Agreement), approvals and licenses, and shall continue to retain or take all prudent and timely steps necessary for submission and application for renewal of governmental or third party

permits, approvals and licenses, required in connection with the execution, delivery and performance of this Confirmation, and

- (d) Seller, directly or through an affiliate, will at all times conduct its mining operations in a prudent manner consistent with good and acceptable practice in the coal mining industry, and Buyer shall have the right, upon reasonable notice, at its own expense and risk, to have its representatives and/or qualified consultants observe and inspect Seller's facilities and operations, provided that such representatives and/or consultants shall comply with all applicable safety requirements and check-in procedures and shall not interfere with such operations.

Dodd Frank: Duke Energy Kentucky, Inc. represents and warrants that: (a) it is a regulated electric load serving utility with an obligation to provide electric service to its customers, and is entering into this Confirmation to secure a source of physical supply of coal to operate its electric generating units to meet such load service obligations; and (b) the embedded volumetric optionality is primarily intended to address physical factors or regulatory requirements that reasonably influence demand for the coal.


No Precedent: The terms and conditions set forth in this Confirmation are for the purpose of the Transaction contemplated herein only and will not set or be construed or deemed to set a precedent for any future Transaction, if any, that may be entered into between Buyer and Seller.

Electronic Signatures: Each Party agrees that the Electronic Signatures, whether digital or encrypted, of the Parties to this Confirmation are intended to authenticate this writing and have the same force and effect as manual signatures. "Electronic Signature" means any electronic sound, symbol, or process attached to or logically associated with a record and executed and adopted by a Party with the intent to sign such record.

Please confirm that the foregoing correctly sets forth the terms of the agreement between Buyer and Seller as to this Transaction by timely returning an executed copy of this letter by email at the email address specified on the Confirmation.

Seller :
Central Coal Company
as agent for Knight Hawk Coal, LLC

Buyer :
Duke Energy Kentucky, Inc.

By: 
Name: Andrew W. Carter
Title: V.P. Marketing
Date: 1/13/23


By: 
Name: John A. Verderame
Title: VP Fuels & Systems Optimization
Date: Jan 24, 2023

EXHIBIT 1

Fuel Adjustment

Beginning on January 16, 2023 and on the first day of each calendar quarter thereafter the Base Price will be adjusted for fuel for the truck transportation of the Coal from the Source to Seller's loading facilities at the Lone Eagle Dock.

Fuel Adjustment Clause

The fuel adjustment will be relative to \$2.50/ton of the price of the Coal delivered at the Delivery Point and will be calculated by the increase/decrease in the U.S. Energy Information Administration (EIA) for "Weekly Retail On-Highway Diesel Prices" Midwest price. The base value used in calculating the adjustment will be calculated by averaging the prices from Q1 and Q2 2021, \$3.01/gallon ("**Base Value**"). The first adjustment will be effective January 1, 2023. This adjustment will be calculated by comparing the prior three (3) months average price (i.e. October 2022 through December 2022) to the Base Value. The next adjustment will be effective April 1, 2023 comparing the previous three (3) months average price to the Base Value with an adjustment every three (3) months thereafter.

Example

$$APP = PP + (C \times ((A/B) - 1))$$

Where:

PP = The Base Price

APP = The Contract Price (as adjusted) effective for a given 3-month period

A = Arithmetic average of the price/gallon values for the 3-month period prior to each adjustment date

B = Base Value (\$3.01)

C = Initial Diesel Fuel Component (\$2.50/Ton)

Sample Calculation

Assume the following for this example:

Adjustment for January 16, 2023 (A = average for October , November and December 2022, say \$2.65/gallon)

Base Price = \$47.50/Ton FOB Lone Eagle Dock

Formula: $PP + (C \times ((A/B) - 1)) = APP$

$$\$47.50 + (2.50 \times ((2.65/3.01) - 1)) = \$46.38/\text{Ton}$$









DEK - CentralKH - PO 35366 - Blend as of 23_1_12 - Partially Executed[100]

Final Audit Report

2023-01-24

Created:	2023-01-13
By:	Pam Cassels [REDACTED]
Status:	Signed
Transaction ID:	CBJCHBCAABAAjuSzRUUZN17IGjFI7BYtfnhNN0GGfVwj

"DEK - CentralKH - PO 35366 - Blend as of 23_1_12 - Partially Executed[100]" History

-  Document created by Pam Cassels [REDACTED]
2023-01-13 - 9:08:54 PM GMT- IP address: 71.65.234.148
-  Document emailed to john.verderame [REDACTED] for signature
2023-01-13 - 9:10:04 PM GMT
-  Email viewed by john.verderame [REDACTED]
2023-01-13 - 10:51:59 PM GMT- IP address: 104.28.110.80
-  Email viewed by john.verderame [REDACTED]
2023-01-17 - 11:36:33 PM GMT- IP address: 104.28.110.86
-  Email viewed by john.verderame [REDACTED]
2023-01-19 - 10:57:41 PM GMT- IP address: 172.226.68.9
-  Signer john.verderame [REDACTED] entered name at signing as John A. Verderame
2023-01-24 - 3:56:28 PM GMT- IP address: 159.110.16.194
-  Document e-signed by John A. Verderame [REDACTED]
Signature Date: 2023-01-24 - 3:56:30 PM GMT - Time Source: server- IP address: 159.110.16.194
-  Agreement completed.
2023-01-24 - 3:56:30 PM GMT

Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025

STAFF-DR-01-022

REQUEST:

Identify any customers, either by class of customer or pursuant to special contract, that are not billed a FAC charge. a. For each customer that are not billed the FAC charge explain how the fuel and power costs of serving that customer are recovered. b. Explain in detail whether those fuel procurement and purchase power costs of serving those customers are excluded from the expense month FAC calculation.

RESPONSE:

All Duke Energy Kentucky customers are billed the FAC charge as described in the Commission approved tariffs and Commission approved special contracts.

PERSON RESPONSIBLE: Libbie Miller

**Duke Energy Kentucky
Case No. 2025-00077
STAFF's First Request for Information
Date Received: May 28, 2025**

STAFF-DR-01-023

REQUEST:

If any customer class or special contract has or is not being charged a FAC, state the date when the FAC ceased being charged.

RESPONSE:

Not Applicable. Please see the response to STAFF-DR-01-022.

PERSON RESPONSIBLE: Libbie Miller