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Libbie S. Miller  
Rates & Regulatory Manager

March 21, 2025

Ms. Linda Bridwell, Executive Director

Kentucky Public Service Commission  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, Kentucky 40602-0615

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MAR 21 2025

PUBLIC SERVICE  
COMMISSION

Dear Ms. Bridwell:

In compliance with KAR 807 5:056, enclosed for filing are the fuel adjustment clause (FAC) schedules with supporting sales and fuel cost schedules supporting Duke Energy Kentucky's fuel adjustment factor applicable to billings for retail sales in April 2025.

On March 16, 2020, the Commission issued an order in Case No. 2020-00085, Electronic Emergency Docket Related to the Novel Coronavirus COVID-19. The order indicated that "The Commission finds that, to the degree possible, the filing of physical documents with the Commission should be temporarily suspended." Accordingly, Duke Energy Kentucky is making this filing electronically and will file an original of the report with the Commission once the state of emergency has ceased.

Please contact me if you have any questions.

Sincerely,

/s/ Libbie Miller

Enclosure

DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: February 2025

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 11,223,207.35	
2	Sales $S_m$ (Schedule 3, Line C)	÷ 333,853,372	0.033617
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2023-00012		(-) <u>0.033780</u>
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u><u>(0.000163)</u></u>

Effective Date for Billing: April 1, 2025

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: March 21, 2025

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: February 2025**

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
Net Fuel Related RTO Billing Line Items	(-)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)
Sub-Total	<u>\$ 10,967,467.73</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 2,312,665.87</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 1,136,948.69</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of January 2025 and the estimated cost originally reported \$18,030,004.02 - \$18,730,243.66	(+)
(actual)                      (estimate)	(700,239.64)
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u><u>\$ 11,223,207.35</u></u>

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 Note: <sup>(a)</sup> Forced Outage as defined in 807 KAR 5:056.

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: February 2025**

		<b><u>Kilowatt-Hours Current Month</u></b>
A. Generation (Net)	(+)	258,246,000
<u>Purchases Including Interchange-In</u>	(+)	<u>107,798,260</u>
Sub-Total		<u>366,044,260</u>
 B. Pumped Storage Energy	 (+)	 -
Non-Native Sales Including Interchange Out	(+)	11,635,160
<u>System Losses (354,409,100 KWH times 5.8% <sup>(a)</sup>)</u>	(+)	<u>20,555,728</u>
Sub-Total		<u>32,190,888</u>
 C. Total Sales (A - B)		 <u><u>333,853,372</u></u>

Note: <sup>(a)</sup> Average of prior 12 months.

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: January 2025**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 10,837,827.94
Oil Burned	(+)	261,856.93
Gas Burned	(+)	2,231,510.00
Net Fuel Related RTO Billing Line Items	(-)	(689,447.18)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	0.00
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	0.00
Sub-Total		<u>\$ 14,020,642.05</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 4,780,365.91
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	0.00
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 4,780,365.91</u>
<b>C. Non-Native Sales Fuel Costs</b>	(-)	\$771,003.94
<b>D. Total Fuel Costs (A + B - C)</b>		<u><u>\$ 18,030,004.02</u></u>

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Note: <sup>(a)</sup> Forced Outage as defined in 807 KAR 5:056.

**DUKE ENERGY KENTUCKY  
OVER OR (UNDER) RECOVERY SCHEDULE**

**Expense Month: December 2024**

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.002715
2	Retail kWh Billed at Above Rate	(x)	401,501,682
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 1,090,077.07</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	342,746,333
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>342,746,333</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 930,556.29
8	Over or (Under) (Line 3 - Line 7)		\$ 159,520.78
9	Total Sales (Schedule 3, Line C)	(-)	333,853,372
10	Kentucky Jurisdictional Sales	(+)	<u>333,853,372</u>
11	Ratio of Total Sales to KY Jurisdictional Sales (Line 9 ÷ Line 10)		1.00000
12	Total Company Over or (Under) Recovery (Line 8 * Line 11)	(+)	\$ 159,520.78
13	Amount Over or (Under) Recovered in prior filings	(+)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 159,520.78</u></u>

**DUKE ENERGY KENTUCKY  
REGIONAL TRANSMISSION ORGANIZATION RESETTLEMENTS  
FUEL COST SCHEDULE**

**Expense Month: October 2024**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 1,529,620.71 <sup>(b)</sup>
Oil Burned	(+)	39,127.43
Gas Burned	(+)	1,577,519.55
Net Fuel Related RTO Billing Line Items	(-)	1,133,861.69
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	-
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
<u>Sub-Total</u>		<u>\$ 2,012,406.00</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 8,506,718.92
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	-
Less purchases above highest cost units	(-)	-
<u>Sub-Total</u>		<u>\$ 8,506,718.92</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 113,065.44
D. Total Fuel Costs (A + B - C)		<u>\$ 10,406,059.48</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 10,466,276.61
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u>\$ (60,217.13)</u>

Note: <sup>(a)</sup> Forced Outage as defined in 807 KAR 5:056.

<sup>(b)</sup> Accounting adjustment due to annual coal pile survey and a consumption adjustment from prior month



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Sincerely,

/s/ Libbie Miller

Enclosure



**DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **January 2025**

<b>Line No.</b>	<b>Description</b>	<b>Amount</b>	<b>Rate (\$/kWh)</b>
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 17,973,265.74	
2	Sales $S_m$ (Schedule 3, Line C)	÷ 399,186,330	0.045025
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2023-00012		(-) <u>0.033780</u>
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u><u>0.011245</u></u>

Effective Date for Billing: March 3, 2025

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: February 21, 2025

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: January 2025**

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+ \$ 10,837,827.96
Oil Burned	(+ 261,856.93
Gas Burned	(+ 2,231,510.00
Net Fuel Related RTO Billing Line Items	(-) (855,962.06)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)
<u>Sub-Total</u>	<u>\$ 14,187,156.95</u>
B. Purchases	
Economy Purchases	(+ \$ 4,653,761.18
Other Purchases	(+)
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)
Less purchases above highest cost units	(-)
<u>Sub-Total</u>	<u>\$ 4,653,761.18</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 110,674.47</u>
D. Total Fuel Costs (A + B - C)	(+ \$ 18,730,243.66
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 519,216.88
F. Adjustment indicating the difference in actual fuel cost for the month of December 2024 and the estimated cost originally reported <span style="color: blue;">\$12,379,522.60</span> - <span style="color: blue;">\$12,571,417.32</span>	(+ \$ (191,894.72)
(actual) (estimate)	
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+ \$ (45,866.32)
H. Prior Period Correction	(+ \$ -
I. Deferral of Current Purchased Power Costs	(-) \$ -
J. Amount of Deferred Purchased Power Costs included in the filing	(+ \$ -
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u><u>\$ 17,973,265.74</u></u>

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 Note: <sup>(a)</sup> Forced Outage as defined in 807 KAR 5:056.

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: January 2025**

		<u><b>Kilowatt-Hours Current Month</b></u>
A. Generation (Net)	(+)	346,699,500
<u>Purchases Including Interchange-In</u>	(+)	<u>81,693,390</u>
Sub-Total		<u>428,392,890</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	2,821,110
<u>System Losses (425,571,780 KWH times 6.2% <sup>(a)</sup>)</u>	(+)	<u>26,385,450</u>
Sub-Total		<u>29,206,560</u>
 C. Total Sales (A - B)		<u><u>399,186,330</u></u>

Note: <sup>(a)</sup> Average of prior 12 months.

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: December 2024**

			<u>Dollars (\$)</u>
<b>A. Company Generation</b>			
Coal Burned	(+)	\$	7,579,191.45
Oil Burned	(+)		221,108.71
Gas Burned	(+)		1,392,515.91
Net Fuel Related RTO Billing Line Items	(-)		271,128.96
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)		694,211.29
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)		16,811.51
Sub-Total		\$	9,599,086.89
<b>B. Purchases</b>			
Economy Purchases	(+)	\$	3,965,549.29
Other Purchases	(+)		-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)		677,399.78
Less purchases above highest cost units	(-)		-
Sub-Total		\$	3,288,149.51
<b>C. Non-Native Sales Fuel Costs</b>	(-)		\$507,713.80
<b>D. Total Fuel Costs (A + B - C)</b>			<b>\$ 12,379,522.60</b>

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Note: <sup>(a)</sup> Forced Outage as defined in 807 KAR 5:056.

**DUKE ENERGY KENTUCKY  
OVER OR (UNDER) RECOVERY SCHEDULE**

**Expense Month: November 2024**

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.007835
2	Retail kWh Billed at Above Rate	(x)	359,852,553
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 2,819,444.75</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	293,583,646
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>293,583,646</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 2,300,227.87
8	Over or (Under) (Line 3 - Line 7)		\$ 519,216.88
9	Total Sales (Schedule 3, Line C)	(-)	399,186,330
10	Kentucky Jurisdictional Sales	(+)	<u>399,186,330</u>
11	Ratio of Total Sales to KY Jurisdictional Sales (Line 9 ÷ Line 10)		1.00000
12	Total Company Over or (Under) Recovery (Line 8 * Line 11)	(+)	\$ 519,216.88
13	Amount Over or (Under) Recovered in prior filings	(+)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 519,216.88</u></u>

**DUKE ENERGY KENTUCKY  
REGIONAL TRANSMISSION ORGANIZATION RESETTLEMENTS  
FUEL COST SCHEDULE**

**Expense Month: September 2024**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 1,765,856.76
Oil Burned	(+)	344,986.82
Gas Burned	(+)	920,536.55
Net Fuel Related RTO Billing Line Items	(-)	632,036.91
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	-
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ 2,399,343.22</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 9,684,726.82
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 9,684,726.82</u>
<b>C. Non-Native Sales Fuel Costs</b>	(-)	\$ 50,918.14
<b>D. Total Fuel Costs (A + B - C)</b>		<u>\$ 12,033,151.90</u>
<b>E. Total Fuel Costs Previously Reported</b>	(-)	\$ 12,079,018.22
<b>F. Prior Period Adjustment</b>	(+)	\$ -
<b>G. Adjustment due to PJM Resettlements</b>		<u>\$ (45,866.32)</u>

Note: <sup>(a)</sup> Forced Outage as defined in 807 KAR 5:056.