



139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2545
Libbie.Miller@duke-energy.com

Libbie S. Miller
Rates & Regulatory Manager

March 22, 2024

Ms. Linda Bridwell, Executive Director

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

RECEIVED

MAR 22 2024

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 2024.

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 2024**

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 8,542,364.61	
2	Sales S_m (Schedule 3, Line C) \div	295,669,540	0.028892
3	Base Fuel Rate (F_b/S_b) per PSC Order in Case No. 2021-00057	(-)	<u>0.025401</u>
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u><u>0.003491</u></u>

Effective Date for Billing: April 1, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: March 22, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: February 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 8,350,512.42
Oil Burned	(+) 250,374.43
Gas Burned	(+) 238,080.00
Net Fuel Related RTO Billing Line Items	(-) 346,343.82
Fuel (assigned cost during Forced Outage ^(a))	(+) 208,255.01
Fuel (substitute cost during Forced Outage ^(a))	(-) 11,786.52
Sub-Total	<u>\$ 8,689,091.52</u>
B. Purchases	
Economy Purchases	(+) \$ 1,144,937.78
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) 196,468.49
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 948,469.29</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 445,806.18</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 9,191,754.63
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 392,000.81
F. Adjustment indicating the difference in actual fuel cost for the month of January 2024 and the estimated cost originally reported \$13,494,911.79 - \$13,701,374.46	
(actual) (estimate)	(+) \$ (206,462.67)
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (50,926.54)
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>\$ 8,542,364.61</u></u>

Note: ^(a) Forced Outage as defined in 807 KAR 5:056.

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: February 2024

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	278,451,500
<u>Purchases Including Interchange-In</u>	(+)	<u>49,100,040</u>
Sub-Total		<u>327,551,540</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	14,673,720
<u>System Losses (312,877,820 KWH times 5.5% ^(a))</u>	(+)	<u>17,208,280</u>
Sub-Total		<u>31,882,000</u>
 C. Total Sales (A - B)		<u><u>295,669,540</u></u>

Note: ^(a) Average of prior 12 months.

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: January 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 7,253,891.18
Oil Burned	(+)	1,300,650.85
Gas Burned	(+)	688,200.00
Net Fuel Related RTO Billing Line Items	(-)	832,970.05
Fuel (assigned cost during Forced Outage ^(a))	(+)	82,960.79
Fuel (substitute cost during Forced Outage ^(a))	(-)	0.00
Sub-Total		<u>\$ 8,492,732.77</u>
B. Purchases		
Economy Purchases	(+)	\$ 5,966,162.46
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	419,656.20
Less purchases above highest cost units	(-)	0.00
Sub-Total		<u>\$ 5,546,506.26</u>
C. Non-Native Sales Fuel Costs	(-)	\$544,327.24
D. Total Fuel Costs (A + B - C)		<u><u>\$ 13,494,911.79</u></u>

Note: ^(a) Forced Outage as defined in 807 KAR 5:056.

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

Expense Month: December 2023

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.005495
2	Retail kWh Billed at Above Rate	(x)	386,780,195
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 2,125,357.17</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	315,442,468
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>315,442,468</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 1,733,356.36
8	Over or (Under) (Line 3 - Line 7)		\$ 392,000.81
9	Total Sales (Schedule 3, Line C)	(-)	295,669,540
10	Kentucky Jurisdictional Sales	(+)	<u>295,669,540</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)	(+)	\$ 392,000.81
13	Amount Over or (Under) Recovered in prior filings	(+)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 392,000.81</u></u>

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

Expense Month: October 2023

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ (507,497.69) ^(b)
Oil Burned	(+)	158,380.08
Gas Burned	(+)	897,608.40
Net Fuel Related RTO Billing Line Items	(-)	1,031,269.67
Fuel (assigned cost during Forced Outage ^(a))	(+)	-
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		<u>\$ (482,778.88)</u>
B. Purchases		
Economy Purchases	(+)	\$ 9,655,971.61
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 9,655,971.61</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 892.01
D. Total Fuel Costs (A + B - C)		<u>\$ 9,172,300.72</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 9,223,227.26
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (50,926.54)</u></u>

Note: ^(a) Forced Outage as defined in 807 KAR 5:056.

^(b) Coal inventory adjustment made at the end of September was not recorded on the general ledger until October due to timing.



139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2545
Libbie.Miller@duke-energy.com

Libbie S. Miller
Rates & Regulatory Manager

February 20, 2024

Ms. Linda Bridwell, Executive Director

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

RECEIVED

FEB 20 2024

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 March 2024.

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: January 2024

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 12,741,660.88	
2	Sales S_m (Schedule 3, Line C)	÷ 366,427,523	0.034773
3	Base Fuel Rate (F_b/S_b) per PSC Order in Case No. 2021-00057	(-)	<u>0.025401</u>
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u><u>0.009372</u></u>

Effective Date for Billing: March 1, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: February 20, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: January 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 7,253,891.95
Oil Burned	(+) 1,300,650.85
Gas Burned	(+) 688,200.00
Net Fuel Related RTO Billing Line Items	(-) 670,643.11
Fuel (assigned cost during Forced Outage ^(a))	(+) 82,960.79
Fuel (substitute cost during Forced Outage ^(a))	(-) -
Sub-Total	<u>\$ 8,655,060.48</u>
B. Purchases	
Economy Purchases	(+) \$ 6,011,465.93
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) 419,656.20
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 5,591,809.73</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 545,495.75</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 13,701,374.46
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 879,001.63
F. Adjustment indicating the difference in actual fuel cost for the month of December 2023 and the estimated cost originally reported \$10,189,687.30 - \$10,253,303.81	
(actual) (estimate)	(+) \$ (63,616.51)
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (17,095.44)
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>\$ 12,741,660.88</u></u>

Note: ^(a) Forced Outage as defined in 807 KAR 5:056.

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: January 2024

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	235,549,000
<u>Purchases Including Interchange-In</u>	(+)	<u>155,459,800</u>
Sub-Total		<u>391,008,800</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	6,105,940
<u>System Losses (384,902,860 KWH times 4.8% ^(a))</u>	(+)	<u>18,475,337</u>
Sub-Total		<u>24,581,277</u>
 C. Total Sales (A - B)		<u><u>366,427,523</u></u>

Note: ^(a) Average of prior 12 months.

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: December 2023

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 9,187,087.09
Oil Burned	(+)	152,084.27
Gas Burned	(+)	804,429.50
Net Fuel Related RTO Billing Line Items	(-)	290,193.70
Fuel (assigned cost during Forced Outage ^(a))	(+)	95,620.31
Fuel (substitute cost during Forced Outage ^(a))	(-)	9,642.51
Sub-Total		<u>\$ 9,939,384.96</u>
B. Purchases		
Economy Purchases	(+)	\$ 1,217,610.77
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	85,977.80
Less purchases above highest cost units	(-)	0.00
Sub-Total		<u>\$ 1,131,632.97</u>
C. Non-Native Sales Fuel Costs	(-)	\$881,330.63
D. Total Fuel Costs (A + B - C)		<u><u>\$ 10,189,687.30</u></u>

Note: ^(a) Forced Outage as defined in 807 KAR 5:056.

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

Expense Month: November 2023

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.014570
2	Retail kWh Billed at Above Rate	(x)	344,297,293
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 5,016,411.56</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	283,967,737
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>283,967,737</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 4,137,409.93
8	Over or (Under) (Line 3 - Line 7)		\$ 879,001.63
9	Total Sales (Schedule 3, Line C)	(-)	366,427,523
10	Kentucky Jurisdictional Sales	(+)	<u>366,427,523</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)	(+) \$	879,001.63
13	Amount Over or (Under) Recovered in prior filings	(+) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ 879,001.63</u></u>

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

Expense Month: September 2023

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 5,446,618.68
Oil Burned	(+)	78,833.84
Gas Burned	(+)	169,100.00
Net Fuel Related RTO Billing Line Items	(-)	97,385.07
Fuel (assigned cost during Forced Outage ^(a))	(+)	8,249.75
Fuel (substitute cost during Forced Outage ^(a))	(-)	1,534.07
Sub-Total		<u>\$ 5,603,883.13</u>
B. Purchases		
Economy Purchases	(+)	\$ 5,691,599.96
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	6,715.68
Less purchases above highest cost units	(-)	
Sub-Total		<u>\$ 5,684,884.28</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 123,421.15
D. Total Fuel Costs (A + B - C)		<u>\$ 11,165,346.26</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 11,182,441.70
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (17,095.44)</u></u>

Note: ^(a) Forced Outage as defined in 807 KAR 5:056.