



139 East Fourth Street
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Libbie.Miller@duke-energy.com

Libbie S. Miller
Rates & Regulatory Manager

January 24, 2025

Ms. Linda Bridwell, Executive Director

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

RECEIVED

JAN 24 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 February 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: December 2024

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 12,508,540.08	
2	Sales S_m (Schedule 3, Line C)	÷ 342,746,333	0.036495
3	Base Fuel Rate (F_b/S_b) per PSC Order in Case No. 2023-00012	(-) 0.033780	
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		0.002715

Effective Date for Billing: February 3, 2025

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: January 24, 2025

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: December 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 7,579,192.55
Oil Burned	(+) 221,108.71
Gas Burned	(+) 1,392,515.91
Net Fuel Related RTO Billing Line Items	(-) 87,639.93
Fuel (assigned cost during Forced Outage ^(a))	(+) 694,381.54
Fuel (substitute cost during Forced Outage ^(a))	(-) 16,522.35
Sub-Total	<u>\$ 9,783,036.43</u>
B. Purchases	
Economy Purchases	(+) \$ 3,975,188.80
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) 677,859.19
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 3,297,329.61</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 508,948.72</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 12,571,417.32
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ (39,768.79)
F. Adjustment indicating the difference in actual fuel cost for the month of November 2024 and the estimated cost originally reported \$12,316,002.85 - \$12,414,339.96	
(actual) (estimate)	(+) \$ (98,337.11)
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (4,308.92)
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>\$ 12,508,540.08</u></u>

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: December 2024

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	245,113,000
<u>Purchases Including Interchange-In</u>	(+)	<u>121,316,050</u>
Sub-Total		<u>366,429,050</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	2,579,440
<u>System Losses (363,849,610 KWH times 5.8% ^(a))</u>	(+)	<u>21,103,277</u>
Sub-Total		<u>23,682,717</u>
 C. Total Sales (A - B)		<u><u>342,746,333</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: November 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 6,492,825.53
Oil Burned	(+)	1,165,247.13
Gas Burned	(+)	1,271,451.90
Net Fuel Related RTO Billing Line Items	(-)	786,351.38
Fuel (assigned cost during Forced Outage ^(a))	(+)	468,850.73
Fuel (substitute cost during Forced Outage ^(a))	(-)	96,060.07
Sub-Total		<u>\$ 8,515,963.84</u>
B. Purchases		
Economy Purchases	(+)	\$ 4,823,637.81
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	372,790.66
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 4,450,847.15</u>
C. Non-Native Sales Fuel Costs	(-)	\$650,808.14
D. Total Fuel Costs (A + B - C)		<u><u>\$ 12,316,002.85</u></u>

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

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

Expense Month: October 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.003172
2	Retail kWh Billed at Above Rate	(x)	289,354,561
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 917,832.67</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	301,892,012
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>301,892,012</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 957,601.46
8	Over or (Under) (Line 3 - Line 7)		\$ (39,768.79)
9	Total Sales (Schedule 3, Line C)	(-)	342,746,333
10	Kentucky Jurisdictional Sales	(+)	<u>342,746,333</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)	(+)	\$ (39,768.79)
13	Amount Over or (Under) Recovered in prior filings	(+)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (39,768.79)</u></u>

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

Expense Month: August 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 10,206,449.35
Oil Burned	(+)	134,306.90
Gas Burned	(+)	1,034,269.20
Net Fuel Related RTO Billing Line Items	(-)	235,814.23
Fuel (assigned cost during Forced Outage ^(a))	(+)	125,918.29
Fuel (substitute cost during Forced Outage ^(a))	(-)	26,859.01
Sub-Total		<u>\$ 11,238,270.50</u>
B. Purchases		
Economy Purchases	(+)	\$ 3,430,443.87
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	99,059.28
Less purchases above highest cost units	(-)	<u>7,533.90</u>
Sub-Total		<u>\$ 3,323,850.69</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 465,707.03
D. Total Fuel Costs (A + B - C)		<u>\$ 14,096,414.16</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 14,100,723.08
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (4,308.92)</u></u>

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



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December 19, 2024

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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.

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Sincerely,

/s/ Libbie Miller

Enclosure

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: November 2024

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 12,217,554.58	
2	Sales S_m (Schedule 3, Line C)	÷ 293,583,646	0.041615
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>0.007835</u></u>

Effective Date for Billing: January 2, 2025

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: December 19, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: November 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 6,492,825.59
Oil Burned	(+) 1,165,247.13
Gas Burned	(+) 1,271,451.90
Net Fuel Related RTO Billing Line Items	(-) 628,579.36
Fuel (assigned cost during Forced Outage ^(a))	(+) 530,311.66
Fuel (substitute cost during Forced Outage ^(a))	(-) 157,980.02
Sub-Total	<u>\$ 8,673,276.90</u>
B. Purchases	
Economy Purchases	(+) \$ 4,777,971.52
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) 372,331.64
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 4,405,639.88</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 664,576.82</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 12,414,339.96
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 147,492.89
F. Adjustment indicating the difference in actual fuel cost for the month of October 2024 and the estimated cost originally reported \$10,466,276.61 - \$10,588,584.99	
(actual) (estimate)	(+) \$ (122,308.38)
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ 73,015.89
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>\$ 12,217,554.58</u></u>

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: November 2024

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	178,220,000
<u>Purchases Including Interchange-In</u>	(+)	<u>143,497,250</u>
Sub-Total		<u>321,717,250</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	12,029,860
<u>System Losses (309,687,390 KWH times 5.2% ^(a))</u>	(+)	<u>16,103,744</u>
Sub-Total		<u>28,133,604</u>
 C. Total Sales (A - B)		<u><u>293,583,646</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: October 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 1,529,620.71 ^(b)
Oil Burned	(+)	39,127.43
Gas Burned	(+)	1,577,519.55
Net Fuel Related RTO Billing Line Items	(-)	1,132,356.30
Fuel (assigned cost during Forced Outage ^(a))	(+)	0.00
Fuel (substitute cost during Forced Outage ^(a))	(-)	0.00
Sub-Total		<u>\$ 2,013,911.39</u>
B. Purchases		
Economy Purchases	(+)	\$ 8,565,430.66
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	0.00
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 8,565,430.66</u>
C. Non-Native Sales Fuel Costs	(-)	\$113,065.44 ^(b)
D. Total Fuel Costs (A + B - C)		<u><u>\$ 10,466,276.61</u></u>

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

^(b) Accounting adjustment due to annual coal pile survey and a consumption adjustment from prior month

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

Expense Month: September 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	(0.001637)
2	Retail kWh Billed at Above Rate	(x)	263,523,100
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (431,387.31)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	353,622,600
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>353,622,600</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (578,880.20)
8	Over or (Under) (Line 3 - Line 7)		\$ 147,492.89
9	Total Sales (Schedule 3, Line C)	(-)	293,583,646
10	Kentucky Jurisdictional Sales	(+)	<u>293,583,646</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)	(+)	\$ 147,492.89
13	Amount Over or (Under) Recovered in prior filings	(+)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 147,492.89</u></u>

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

Expense Month: July 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 10,508,298.86
Oil Burned	(+)	90,938.29
Gas Burned	(+)	1,184,790.32
Net Fuel Related RTO Billing Line Items	(-)	543,825.50
Fuel (assigned cost during Forced Outage ^(a))	(+)	-
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		<u>\$ 11,240,201.97</u>
B. Purchases		
Economy Purchases	(+)	\$ 2,858,289.81
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	-
Less purchases above highest cost units	(-)	<u>1,037.92</u>
Sub-Total		<u>\$ 2,857,251.89</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 934,121.76
D. Total Fuel Costs (A + B - C)		<u>\$ 13,163,332.10</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 13,090,316.21
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ 73,015.89</u></u>

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



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November 22, 2024

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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: **October 2024**

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 11,155,551.36	
2	Sales S_m (Schedule 3, Line C)	÷ 301,892,012	0.036952
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>0.003172</u></u>

Effective Date for Billing: December 2, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: November 22, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: October 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 1,529,621.54 ^(b)
Oil Burned	(+) 39,127.43
Gas Burned	(+) 1,577,519.55
Net Fuel Related RTO Billing Line Items	(-) 888,896.97
Fuel (assigned cost during Forced Outage ^(a))	(+) -
Fuel (substitute cost during Forced Outage ^(a))	(-) -
Sub-Total	<u>\$ 2,257,371.55</u>
B. Purchases	
Economy Purchases	(+) \$ 8,444,278.88
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) -
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 8,444,278.88</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 113,065.44</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 10,588,584.99
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 32,217.13
F. Adjustment indicating the difference in actual fuel cost for the month of September 2024 and the estimated cost originally reported \$12,079,018.22 - \$11,420,168.41	
(actual) (estimate)	(+) \$ 658,849.81
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (59,666.32)
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>\$ 11,155,551.36</u></u>

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

^(b) Accounting adjustment due to annual coal pile survey and a consumption adjustment from prior month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: October 2024

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	60,986,000
<u>Purchases Including Interchange-In</u>	(+)	<u>255,462,650</u>
Sub-Total		<u>316,448,650</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	-
<u>System Losses (316,448,650 KWH times 4.6% ^(a))</u>	(+)	<u>14,556,638</u>
Sub-Total		<u>14,556,638</u>
 C. Total Sales (A - B)		<u><u>301,892,012</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: September 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 1,765,856.77
Oil Burned	(+)	344,986.82
Gas Burned	(+)	920,536.55
Net Fuel Related RTO Billing Line Items	(-)	637,201.23
Fuel (assigned cost during Forced Outage ^(a))	(+)	0.00
Fuel (substitute cost during Forced Outage ^(a))	(-)	0.00
Sub-Total		<u>\$ 2,394,178.91</u>
B. Purchases		
Economy Purchases	(+)	\$ 9,737,757.21
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	0.00
Less purchases above highest cost units	(-)	<u>3,618.39</u>
Sub-Total		<u>\$ 9,734,138.82</u>
C. Non-Native Sales Fuel Costs	(-)	\$49,299.51
D. Total Fuel Costs (A + B - C)		<u><u>\$ 12,079,018.22</u></u>

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

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

Expense Month: August 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	(0.000409)
2	Retail kWh Billed at Above Rate	(x)	333,855,521
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (136,546.91)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	412,626,004
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>412,626,004</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (168,764.04)
8	Over or (Under) (Line 3 - Line 7)		\$ 32,217.13
9	Total Sales (Schedule 3, Line C)	(-)	301,892,012
10	Kentucky Jurisdictional Sales	(+)	<u>301,892,012</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)	(+)	\$ 32,217.13
13	Amount Over or (Under) Recovered in prior filings	(+)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 32,217.13</u></u>

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

Expense Month: June 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 9,265,348.35
Oil Burned	(+)	121,021.78
Gas Burned	(+)	1,195,918.62
Net Fuel Related RTO Billing Line Items	(-)	936,775.28
Fuel (assigned cost during Forced Outage ^(a))	(+)	11,040.46
Fuel (substitute cost during Forced Outage ^(a))	(-)	8,897.00
Sub-Total		<u>\$ 9,647,656.93</u>
B. Purchases		
Economy Purchases	(+)	\$ 2,860,299.64
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	2,143.46
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 2,858,156.18</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 364,034.89
D. Total Fuel Costs (A + B - C)		<u>\$ 12,141,778.22</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 12,201,444.54
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (59,666.32)</u></u>

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FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: September 2024

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 11,366,332.20	
2	Sales S_m (Schedule 3, Line C)	÷ 353,622,600	0.032143
3	Base Fuel Rate (F_b/S_b) per PSC Order in Case No. 2023-00012	(-) 0.033780	
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		(0.001637)

Effective Date for Billing: November 1, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: October 22, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: September 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 1,765,856.75
Oil Burned	(+)	344,986.82
Gas Burned	(+)	920,536.55
Net Fuel Related RTO Billing Line Items	(-)	604,141.06
Fuel (assigned cost during Forced Outage ^(a))	(+)	-
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		<u>\$ 2,427,239.06</u>
B. Purchases		
Economy Purchases	(+)	\$ 9,042,298.41
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 9,042,298.41</u>
C. Non-Native Sales Fuel Costs	(-)	<u>\$ 49,369.06</u>
D. Total Fuel Costs (A + B - C)	(+)	\$ 11,420,168.41
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)	\$ 43,421.78
F. Adjustment indicating the difference in actual fuel cost for the month of August 2024 and the estimated cost originally reported \$14,100,723.08 - \$14,042,993.38 (actual) (estimate)	(+)	\$ 57,729.70
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)	\$ (68,144.14)
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>\$ 11,366,332.20</u></u>

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: September 2024

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	82,710,600
<u>Purchases Including Interchange-In</u>	(+)	<u>287,395,610</u>
Sub-Total		<u>370,106,210</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	1,365,230
<u>System Losses (368,740,980 KWH times 4.1% ^(a))</u>	(+)	<u>15,118,380</u>
Sub-Total		<u>16,483,610</u>
 C. Total Sales (A - B)		<u><u>353,622,600</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: August 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 10,206,449.34
Oil Burned	(+)	134,306.90
Gas Burned	(+)	1,034,269.20
Net Fuel Related RTO Billing Line Items	(-)	234,916.34
Fuel (assigned cost during Forced Outage ^(a))	(+)	126,377.36
Fuel (substitute cost during Forced Outage ^(a))	(-)	26,859.01
Sub-Total		<u>\$ 11,239,627.45</u>
B. Purchases		
Economy Purchases	(+)	\$ 3,436,871.69
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	99,518.35
Less purchases above highest cost units	(-)	7,565.99
Sub-Total		<u>\$ 3,329,787.35</u>
C. Non-Native Sales Fuel Costs	(-)	\$468,691.72
D. Total Fuel Costs (A + B - C)		<u><u>\$ 14,100,723.08</u></u>

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

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

Expense Month: July 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	(0.001853)
2	Retail kWh Billed at Above Rate	(x)	<u>370,954,080</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (687,377.91)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	394,387,315
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>394,387,315</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		<u>\$ (730,799.69)</u>
8	Over or (Under) (Line 3 - Line 7)		<u>\$ 43,421.78</u>
9	Total Sales (Schedule 3, Line C)	(-)	353,622,600
10	Kentucky Jurisdictional Sales	(+)	<u>353,622,600</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)	(+)	<u>\$ 43,421.78</u>
13	Amount Over or (Under) Recovered in prior filings	(+)	<u>\$ -</u>
14	Total Company Over or (Under) Recovery		<u><u>\$ 43,421.78</u></u>

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

Expense Month: May 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 3,985,324.32
Oil Burned	(+)	679,027.75
Gas Burned	(+)	936,764.22
Net Fuel Related RTO Billing Line Items	(-)	1,497,155.19
Fuel (assigned cost during Forced Outage ^(a))	(+)	-
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		<u>\$ 4,103,961.10</u>
B. Purchases		
Economy Purchases	(+)	\$ 7,477,938.22
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	-
Less purchases above highest cost units	(-)	53,414.64
Sub-Total		<u>\$ 7,424,523.58</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 79,693.43
D. Total Fuel Costs (A + B - C)		<u>\$ 11,448,791.25</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 11,516,935.39
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (68,144.14)</u></u>

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



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Libbie S. Miller
Rates & Regulatory Manager

September 19, 2024

Ms. Linda Bridwell, Executive Director

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

RECEIVED

SEP 19 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 October 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: August 2024

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 13,769,601.44	
2	Sales S_m (Schedule 3, Line C)	÷ 412,626,004	0.033371
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>(0.000409)</u></u>

Effective Date for Billing: October 1, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: September 19, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: August 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 10,206,449.33
Oil Burned	(+) 134,306.90
Gas Burned	(+) 1,034,269.20
Net Fuel Related RTO Billing Line Items	(-) 159,279.30
Fuel (assigned cost during Forced Outage ^(a))	(+) 150,674.32
Fuel (substitute cost during Forced Outage ^(a))	(-) 44,458.32
Sub-Total	<u>\$ 11,321,962.13</u>
B. Purchases	
Economy Purchases	(+) \$ 3,305,540.45
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) 106,216.00
Less purchases above highest cost units	(-) 7,302.31
Sub-Total	<u>\$ 3,192,022.14</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 470,990.89</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 14,042,993.38
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 255,907.18
F. Adjustment indicating the difference in actual fuel cost for the month of July 2024 and the estimated cost originally reported \$13,090,316.21 - \$13,036,750.51 (actual) (estimate)	(+) \$ 53,565.70
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (71,050.46)
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>\$ 13,769,601.44</u></u>

.....

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: August 2024

		Kilowatt-Hours Current Month
A. Generation (Net)	(+)	333,720,000
<u>Purchases Including Interchange-In</u>	(+)	<u>109,080,590</u>
Sub-Total		<u>442,800,590</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	13,875,430
<u>System Losses (428,925,160 KWH times 3.8% ^(a))</u>	(+)	<u>16,299,156</u>
Sub-Total		<u>30,174,586</u>
 C. Total Sales (A - B)		<u><u>412,626,004</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: July 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 10,508,298.85
Oil Burned	(+)	90,938.29
Gas Burned	(+)	1,184,790.32
Net Fuel Related RTO Billing Line Items	(-)	532,828.24
Fuel (assigned cost during Forced Outage ^(a))	(+)	0.00
Fuel (substitute cost during Forced Outage ^(a))	(-)	0.00
Sub-Total		<u>\$ 11,251,199.22</u>
B. Purchases		
Economy Purchases	(+)	\$ 2,795,915.42
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	0.00
Less purchases above highest cost units	(-)	856.26
Sub-Total		<u>\$ 2,795,059.16</u>
C. Non-Native Sales Fuel Costs	(-)	\$955,942.17
D. Total Fuel Costs (A + B - C)		<u><u>\$ 13,090,316.21</u></u>

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

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

Expense Month: June 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	(0.003659)
2	Retail kWh Billed at Above Rate	(x)	300,905,491
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,101,013.19)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	370,844,595
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>370,844,595</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (1,356,920.37)
8	Over or (Under) (Line 3 - Line 7)		\$ 255,907.18
9	Total Sales (Schedule 3, Line C)	(-)	412,626,004
10	Kentucky Jurisdictional Sales	(+)	<u>412,626,004</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)	(+) \$	255,907.18
13	Amount Over or (Under) Recovered in prior filings	(+) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ 255,907.18</u></u>

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

Expense Month: April 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 3,008,986.54
Oil Burned	(+)	248,799.80
Gas Burned	(+)	967,120.00
Net Fuel Related RTO Billing Line Items	(-)	1,201,608.16
Fuel (assigned cost during Forced Outage ^(a))	(+)	-
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		<u>\$ 3,023,298.18</u>
B. Purchases		
Economy Purchases	(+)	\$ 4,338,379.81
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 4,338,379.81</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 938,106.04
D. Total Fuel Costs (A + B - C)		<u>\$ 6,423,571.95</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 6,494,622.41
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (71,050.46)</u></u>

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



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Libbie S. Miller
Rates & Regulatory Manager

August 23, 2024

Ms. Linda Bridwell, Executive Director

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

RECEIVED

AUG 23 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 September 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: July 2024

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 12,591,590.98	
2	Sales S_m (Schedule 3, Line C)	÷ 394,387,315	0.031927
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>(0.001853)</u></u>

Effective Date for Billing: September 3, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: August 23, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: July 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 10,508,299.63
Oil Burned	(+) 90,938.29
Gas Burned	(+) 1,184,790.32
Net Fuel Related RTO Billing Line Items	(-) 317,666.36
Fuel (assigned cost during Forced Outage ^(a))	(+) -
Fuel (substitute cost during Forced Outage ^(a))	(-) -
Sub-Total	<u>\$ 11,466,361.88</u>
B. Purchases	
Economy Purchases	(+) \$ 2,735,835.03
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) -
Less purchases above highest cost units	(-) 153,876.35
Sub-Total	<u>\$ 2,581,958.68</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 1,011,570.05</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 13,036,750.51
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 402,792.58
F. Adjustment indicating the difference in actual fuel cost for the month of June 2024 and the estimated cost originally reported \$12,201,444.54 - \$12,194,817.69 (actual) (estimate)	(+) \$ 6,626.85
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (48,993.80)
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>\$ 12,591,590.98</u></u>

.....

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: July 2024

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	360,621,000
<u>Purchases Including Interchange-In</u>	(+)	<u>82,861,640</u>
Sub-Total		<u>443,482,640</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	30,511,630
<u>System Losses (412,971,010 KWH times 4.5% ^(a))</u>	(+)	<u>18,583,695</u>
Sub-Total		<u>49,095,325</u>
 C. Total Sales (A - B)		 <u><u>394,387,315</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: June 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 9,265,348.34
Oil Burned	(+)	121,021.78
Gas Burned	(+)	1,195,918.62
Net Fuel Related RTO Billing Line Items	(-)	936,083.91
Fuel (assigned cost during Forced Outage ^(a))	(+)	6,379.46
Fuel (substitute cost during Forced Outage ^(a))	(-)	4,235.60
Sub-Total		<u>\$ 9,648,348.69</u>
B. Purchases		
Economy Purchases	(+)	\$ 2,911,088.17
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	2,143.86
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 2,908,944.31</u>
C. Non-Native Sales Fuel Costs	(-)	\$355,848.46
D. Total Fuel Costs (A + B - C)		<u><u>\$ 12,201,444.54</u></u>

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

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

Expense Month: May 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.010994
2	Retail kWh Billed at Above Rate	(x)	365,013,035
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 4,012,953.31</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	328,375,544
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>328,375,544</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 3,610,160.73
8	Over or (Under) (Line 3 - Line 7)		\$ 402,792.58
9	Total Sales (Schedule 3, Line C)	(-)	394,387,315
10	Kentucky Jurisdictional Sales	(+)	<u>394,387,315</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)	(+) \$	402,792.58
13	Amount Over or (Under) Recovered in prior filings	(+) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ 402,792.58</u></u>

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

Expense Month: March 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 9,070,524.10
Oil Burned	(+)	200,210.07
Gas Burned	(+)	418,650.00
Net Fuel Related RTO Billing Line Items	(-)	694,705.13
Fuel (assigned cost during Forced Outage ^(a))	(+)	7,568.97
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		<u>\$ 9,002,248.01</u>
B. Purchases		
Economy Purchases	(+)	\$ 854,146.64
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	7,568.97
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 846,577.67</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 648,110.95
D. Total Fuel Costs (A + B - C)		<u>\$ 9,200,714.73</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 9,249,708.53
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (48,993.80)</u></u>

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



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Libbie S. Miller
Rates & Regulatory Manager

July 22, 2024

Ms. Linda Bridwell, Executive Director

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

RECEIVED

JUL 22 2024

PUBLIC SERVICE
COMMISSION

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Please contact me if you have any questions.

Sincerely,

/s/ Libbie Miller

Enclosure

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: June 2024

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 11,170,220.37	
2	Sales S_m (Schedule 3, Line C) ÷	370,844,595	0.030121
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>(0.003659)</u></u>

Effective Date for Billing: August 1, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: July 22, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: June 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 9,265,347.29
Oil Burned	(+) 121,021.78
Gas Burned	(+) 1,195,918.62
Net Fuel Related RTO Billing Line Items	(-) 857,528.54
Fuel (assigned cost during Forced Outage ^(a))	(+) 6,399.96
Fuel (substitute cost during Forced Outage ^(a))	(-) 4,256.10
Sub-Total	<u>\$ 9,726,903.01</u>
B. Purchases	
Economy Purchases	(+) \$ 2,813,847.03
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) 2,143.86
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 2,811,703.17</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 343,788.49</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 12,194,817.69
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 144,131.00
F. Adjustment indicating the difference in actual fuel cost for the month of May 2024 and the estimated cost originally reported \$11,516,935.39 - \$12,339,838.07	
(actual) (estimate)	(+) \$ (822,902.68)
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (57,563.63)
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>\$ 11,170,220.37</u></u>

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: June 2024

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	307,196,000
<u>Purchases Including Interchange-In</u>	(+)	<u>88,571,140</u>
Sub-Total		<u>395,767,140</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	9,872,660
<u>System Losses (385,894,480 KWH times 3.9% ^(a))</u>	(+)	<u>15,049,885</u>
Sub-Total		<u>24,922,545</u>
 C. Total Sales (A - B)		<u><u>370,844,595</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: May 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 3,985,324.33
Oil Burned	(+)	679,027.75
Gas Burned	(+)	936,764.22
Net Fuel Related RTO Billing Line Items	(-)	1,492,491.72
Fuel (assigned cost during Forced Outage ^(a))	(+)	0.00
Fuel (substitute cost during Forced Outage ^(a))	(-)	0.00
Sub-Total		<u>\$ 4,108,624.58</u>
B. Purchases		
Economy Purchases	(+)	\$ 7,539,281.60
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	0.00
Less purchases above highest cost units	(-)	<u>54,517.70</u>
Sub-Total		<u>\$ 7,484,763.90</u>
C. Non-Native Sales Fuel Costs	(-)	\$76,453.09
D. Total Fuel Costs (A + B - C)		<u><u>\$ 11,516,935.39</u></u>

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

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

Expense Month: April 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	(0.002602)
2	Retail kWh Billed at Above Rate	(x)	221,034,703
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (575,132.30)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	276,427,096
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>276,427,096</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (719,263.30)
8	Over or (Under) (Line 3 - Line 7)		\$ 144,131.00
9	Total Sales (Schedule 3, Line C)	(-)	370,844,595
10	Kentucky Jurisdictional Sales	(+)	<u>370,844,595</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)	(+) \$	144,131.00
13	Amount Over or (Under) Recovered in prior filings	(+) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ 144,131.00</u></u>

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

Expense Month: February 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 8,350,512.74
Oil Burned	(+)	250,374.43
Gas Burned	(+)	238,080.00
Net Fuel Related RTO Billing Line Items	(-)	499,734.51
Fuel (assigned cost during Forced Outage ^(a))	(+)	198,806.50
Fuel (substitute cost during Forced Outage ^(a))	(-)	10,355.19
Sub-Total		<u>\$ 8,527,683.97</u>
B. Purchases		
Economy Purchases	(+)	\$ 1,124,126.65
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	188,451.31
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 935,675.34</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 469,870.22
D. Total Fuel Costs (A + B - C)		<u>\$ 8,993,489.09</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 9,051,052.72
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (57,563.63)</u></u>

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



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Libbie S. Miller
Rates & Regulatory Manager

June 20, 2024

Ms. Linda Bridwell, Executive Director

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

RECEIVED

JUN 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 July 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: **May 2024**

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 11,951,211.60	
2	Sales S_m (Schedule 3, Line C) ÷	328,375,544	0.036395
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>0.010994</u></u>

Effective Date for Billing: July 1, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: June 20, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: May 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+) \$	3,985,324.31
Oil Burned	(+) \$	679,027.75
Gas Burned	(+) \$	936,764.22
Net Fuel Related RTO Billing Line Items	(-) \$	633,850.16
Fuel (assigned cost during Forced Outage ^(a))	(+) \$	-
Fuel (substitute cost during Forced Outage ^(a))	(-) \$	-
Sub-Total		<u>\$ 4,967,266.12</u>
B. Purchases		
Economy Purchases	(+) \$	7,511,209.96
Other Purchases	(+) \$	-
Other Purchases (substitute for Forced Outage ^(a))	(-) \$	-
Less purchases above highest cost units	(-) \$	54,517.70
Sub-Total		<u>\$ 7,456,692.26</u>
C. Non-Native Sales Fuel Costs	(-) \$	<u>84,120.31</u>
D. Total Fuel Costs (A + B - C)	(+) \$	12,339,838.07
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$	13,185.72
F. Adjustment indicating the difference in actual fuel cost for the month of April 2024 and the estimated cost originally reported \$6,494,622.41 - \$6,761,628.54	(+) \$	(267,006.13)
(actual) (estimate)		
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$	(108,434.62)
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>\$ 11,951,211.60</u></u>

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: May 2024

		Kilowatt-Hours Current Month
A. Generation (Net)	(+)	128,552,700
<u>Purchases Including Interchange-In</u>	(+)	<u>216,374,350</u>
Sub-Total		<u>344,927,050</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	1,796,910
<u>System Losses (343,130,140 KWH times 4.3% ^(a))</u>	(+)	<u>14,754,596</u>
Sub-Total		<u>16,551,506</u>
 C. Total Sales (A - B)		<u><u>328,375,544</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: April 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 3,008,986.55
Oil Burned	(+)	248,799.80
Gas Burned	(+)	967,120.00
Net Fuel Related RTO Billing Line Items	(-)	1,180,885.81
Fuel (assigned cost during Forced Outage ^(a))	(+)	0.00
Fuel (substitute cost during Forced Outage ^(a))	(-)	0.00
Sub-Total		<u>\$ 3,044,020.54</u>
B. Purchases		
Economy Purchases	(+)	\$ 4,375,444.85
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	0.00
Less purchases above highest cost units	(-)	0.00
Sub-Total		<u>\$ 4,375,444.85</u>
C. Non-Native Sales Fuel Costs	(-)	\$924,842.98
D. Total Fuel Costs (A + B - C)		<u><u>\$ 6,494,622.41</u></u>

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

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

Expense Month: March 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.008721
2	Retail kWh Billed at Above Rate	(x)	297,478,614
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 2,594,310.99</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	295,966,663
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>295,966,663</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 2,581,125.27
8	Over or (Under) (Line 3 - Line 7)		\$ 13,185.72
9	Total Sales (Schedule 3, Line C)	(-)	328,375,544
10	Kentucky Jurisdictional Sales	(+)	<u>328,375,544</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)	(+)	\$ 13,185.72
13	Amount Over or (Under) Recovered in prior filings	(+)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 13,185.72</u></u>

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

Expense Month: January 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 7,253,891.19
Oil Burned	(+)	1,300,650.85
Gas Burned	(+)	688,200.00
Net Fuel Related RTO Billing Line Items	(-)	859,877.82
Fuel (assigned cost during Forced Outage ^(a))	(+)	82,712.17
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		<u>\$ 8,465,576.39</u>
B. Purchases		
Economy Purchases	(+)	\$ 5,901,101.92
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	419,113.73
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 5,481,988.19</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 561,087.41
D. Total Fuel Costs (A + B - C)		<u>\$ 13,386,477.17</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 13,494,911.79
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (108,434.62)</u></u>

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



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Libbie S. Miller
Rates & Regulatory Manager

May 24, 2024

Ms. Linda Bridwell, Executive Director

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

RECEIVED

MAY 28 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 June 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: April 2024

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 6,302,143.87	
2	Sales S_m (Schedule 3, Line C) ÷	276,427,096	0.022799
3	Base Fuel Rate (F_b/S_b) per PSC Order in Case No. 2021-00057	(-)	0.025401
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		(0.002602)

Effective Date for Billing: June 3, 2024

Submitted by: /s/ Libbie Miller

Title: Rates & Regulatory Manager

Date Submitted: May 24, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: April 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 3,008,986.75
Oil Burned	(+) 248,799.80
Gas Burned	(+) 967,120.00
Net Fuel Related RTO Billing Line Items	(-) 833,528.96
Fuel (assigned cost during Forced Outage ^(a))	(+) -
Fuel (substitute cost during Forced Outage ^(a))	(-) -
Sub-Total	<u>\$ 3,391,377.59</u>
B. Purchases	
Economy Purchases	(+) \$ 4,295,841.01
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) -
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 4,295,841.01</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 925,590.06</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 6,761,628.54
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ 21,894.06
F. Adjustment indicating the difference in actual fuel cost for the month of March 2024 and the estimated cost originally reported \$9,249,708.53 - \$9,612,407.93	(+) \$ (362,699.40)
(actual) (estimate)	
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (74,891.21)
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>\$ 6,302,143.87</u></u>

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: April 2024

		Kilowatt-Hours Current Month
A. Generation (Net)	(+)	162,625,000
<u>Purchases Including Interchange-In</u>	(+)	<u>159,345,190</u>
Sub-Total		<u>321,970,190</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	33,122,650
<u>System Losses (288,847,540 KWH times 4.3% ^(a))</u>	(+)	<u>12,420,444</u>
Sub-Total		<u>45,543,094</u>
 C. Total Sales (A - B)		<u><u>276,427,096</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: March 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 9,070,524.10
Oil Burned	(+)	200,210.07
Gas Burned	(+)	418,650.00
Net Fuel Related RTO Billing Line Items	(-)	691,753.41
Fuel (assigned cost during Forced Outage ^(a))	(+)	7,746.40
Fuel (substitute cost during Forced Outage ^(a))	(-)	0.00
Sub-Total		<u>\$ 9,005,377.16</u>
B. Purchases		
Economy Purchases	(+)	\$ 884,860.40
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	7,746.40
Less purchases above highest cost units	(-)	0.00
Sub-Total		<u>\$ 877,114.00</u>
C. Non-Native Sales Fuel Costs	(-)	\$632,782.63
D. Total Fuel Costs (A + B - C)		<u><u>\$ 9,249,708.53</u></u>

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

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

Expense Month: February 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.003491
2	Retail kWh Billed at Above Rate	(x)	301,941,111
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 1,054,076.42</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	295,669,540
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>295,669,540</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 1,032,182.36
8	Over or (Under) (Line 3 - Line 7)		\$ 21,894.06
9	Total Sales (Schedule 3, Line C)	(-)	276,427,096
10	Kentucky Jurisdictional Sales	(+)	<u>276,427,096</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)	(+) \$	21,894.06
13	Amount Over or (Under) Recovered in prior filings	(+) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ 21,894.06</u></u>

**DUKE ENERGY KENTUCKY
REGIONAL TRANSMISSION ORGANIZATION RESETTLEMENTS
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	(-)	319,180.73
Fuel (assigned cost during Forced Outage ^(a))	(+)	95,158.66
Fuel (substitute cost during Forced Outage ^(a))	(-)	9,642.51
Sub-Total		<u>\$ 9,909,936.28</u>
B. Purchases		
Economy Purchases	(+)	\$ 1,189,565.66
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	85,516.15
Less purchases above highest cost units	(-)	
Sub-Total		<u>\$ 1,104,049.51</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 899,189.70
D. Total Fuel Costs (A + B - C)		<u>\$ 10,114,796.09</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 10,189,687.30
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (74,891.21)</u></u>

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



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Libbie S. Miller
Rates & Regulatory Manager

April 19, 2024

Ms. Linda Bridwell, Executive Director

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

RECEIVED

APR 19 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 May 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 SCHEDULEExpense Month: **March 2024**

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 10,099,102.93	
2	Sales S_m (Schedule 3, Line C) \div	295,966,663	0.034122
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>0.008721</u></u>

Effective Date for Billing: May 1, 2024Submitted by: /s/ Libbie MillerTitle: Rates & Regulatory ManagerDate Submitted: April 19, 2024

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: March 2024

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 9,070,524.25
Oil Burned	(+) 200,210.07
Gas Burned	(+) 418,650.00
Net Fuel Related RTO Billing Line Items	(-) 289,798.69
Fuel (assigned cost during Forced Outage ^(a))	(+) 7,746.40
Fuel (substitute cost during Forced Outage ^(a))	(-) -
Sub-Total	<u>\$ 9,407,332.03</u>
B. Purchases	
Economy Purchases	(+) \$ 870,900.47
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) 7,746.40
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 863,154.07</u>
C. Non-Native Sales Fuel Costs	(-) <u>\$ 658,078.17</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 9,612,407.93
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ (678,568.87)
F. Adjustment indicating the difference in actual fuel cost for the month of February 2024 and the estimated cost originally reported \$9,051,052.72 - \$9,191,754.63	(+) \$ (140,701.91)
(actual) (estimate)	
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (51,171.96)
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>\$ 10,099,102.93</u></u>

.....

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: March 2024

		Kilowatt-Hours Current Month
A. Generation (Net)	(+)	289,582,000
<u>Purchases Including Interchange-In</u>	(+)	<u>39,891,050</u>
Sub-Total		<u>329,473,050</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	19,884,490
<u>System Losses (309,588,560 KWH times 4.4% ^(a))</u>	(+)	<u>13,621,897</u>
Sub-Total		<u>33,506,387</u>
 C. Total Sales (A - B)		<u><u>295,966,663</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: February 2024

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 8,350,512.73
Oil Burned	(+)	250,374.43
Gas Burned	(+)	238,080.00
Net Fuel Related RTO Billing Line Items	(-)	492,393.62
Fuel (assigned cost during Forced Outage ^(a))	(+)	206,823.68
Fuel (substitute cost during Forced Outage ^(a))	(-)	10,355.19
Sub-Total		<u>\$ 8,543,042.03</u>
B. Purchases		
Economy Purchases	(+)	\$ 1,164,849.38
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	196,468.49
Less purchases above highest cost units	(-)	0.00
Sub-Total		<u>\$ 968,380.89</u>
C. Non-Native Sales Fuel Costs	(-)	\$460,370.20
D. Total Fuel Costs (A + B - C)		<u><u>\$ 9,051,052.72</u></u>

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

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

Expense Month: January 2024

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.009372
2	Retail kWh Billed at Above Rate	(x)	294,023,675
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 2,755,589.88</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	366,427,523
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>366,427,523</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 3,434,158.75
8	Over or (Under) (Line 3 - Line 7)		\$ (678,568.87)
9	Total Sales (Schedule 3, Line C)	(-)	295,966,663
10	Kentucky Jurisdictional Sales	(+)	<u>295,966,663</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)	(+)	\$ (678,568.87)
13	Amount Over or (Under) Recovered in prior filings	(+)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (678,568.87)</u></u>

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

Expense Month: November 2023

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 6,251,483.33
Oil Burned	(+)	1,148,540.34
Gas Burned	(+)	1,024,274.20
Net Fuel Related RTO Billing Line Items	(-)	557,611.61
Fuel (assigned cost during Forced Outage ^(a))	(+)	677,535.78
Fuel (substitute cost during Forced Outage ^(a))	(-)	191,376.34
Sub-Total		<u>\$ 8,352,845.70</u>
B. Purchases		
Economy Purchases	(+)	\$ 3,850,199.68
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	486,159.44
Less purchases above highest cost units	(-)	
Sub-Total		<u>\$ 3,364,040.24</u>
C. Non-Native Sales Fuel Costs	(-)	\$ 847,999.15
D. Total Fuel Costs (A + B - C)		<u>\$ 10,868,886.79</u>
E. Total Fuel Costs Previously Reported	(-)	\$ 10,920,058.75
F. Prior Period Adjustment	(+)	\$ -
G. Adjustment due to PJM Resettlements		<u><u>\$ (51,171.96)</u></u>

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



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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.



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Libbie S. Miller
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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>\$ (17,095.44)</u>

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