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Libbie S. Miller
Rates & Regulatory Manager

January 20, 2023

Ms. Linda Bridwell, Executive Director

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

RECEIVED

JAN 20 2023

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 2023.

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 S. Miller

Enclosure

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: **December 2022**

| Line No. | Description | Amount | Rate (\$/kWh) |
|----------|---|------------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 11,927,921.98 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 350,551,854 | 0.034026 |
| 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>0.008625</u></u> |

Effective Date for Billing: February 1, 2023

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: January 20, 2023

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: December 2022

| | | <u>Dollars (\$)</u> |
|---|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned ^(b) | (+) | \$ 10,367,412.89 |
| Oil Burned | (+) | 6,100,711.49 |
| Gas Burned | (+) | 745,805.00 |
| Net Fuel Related RTO Billing Line Items | (-) | 1,173,906.42 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 975,608.32 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 788,618.84 |
| Sub-Total | | <u>\$ 16,227,012.44</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 4,990,736.08 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 1,580,784.28 |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | <u>\$ 3,409,951.80</u> |
| C. Non-Native Sales Fuel Costs | (-) | <u>\$ 3,826,472.53</u> |
| D. Total Fuel Costs (A + B - C) | (+) | \$ 15,810,491.71 |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) | \$ 2,543,430.17 |
| F. Adjustment indicating the difference in actual fuel cost for the month of November 2022 and the estimated cost originally reported \$14,800,648.73 - \$14,954,984.05 | (+) | \$ (154,335.32) |
| (actual) (estimate) | | |
| G. RTO Resettlements for prior periods from Schedule 6, Line G | (+) | \$ (1,184,804.23) |
| 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>\$ 11,927,921.98</u></u> |

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: December 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|---------|--|
| A. Generation (Net) | (+) | 314,184,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>84,481,220</u> |
| Sub-Total | | <u>398,665,220</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 22,939,760 |
| <u>System Losses (375,725,460 KWH times 6.7% ^(a))</u> | (+) | <u>25,173,606</u> |
| Sub-Total | | <u>48,113,366</u> |
| C. Total Sales (A - B) | | <u><u>350,551,854</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: November 2022

| | | | <u>Dollars (\$)</u> |
|--|-----|----|-------------------------|
| A. Company Generation | | | |
| Coal Burned ^(b) | (+) | \$ | 9,859,319.08 |
| Oil Burned | (+) | | 588,757.18 |
| Gas Burned | (+) | | 1,737,590.15 |
| Net Fuel Related RTO Billing Line Items | (-) | | 1,064,453.16 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | | 97,032.51 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | | 0.00 |
| Sub-Total | | \$ | 11,218,245.76 |
| B. Purchases | | | |
| Economy Purchases | (+) | \$ | 4,388,963.41 |
| Other Purchases | (+) | | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | | 198,501.20 |
| Less purchases above highest cost units | (-) | | 0.00 |
| Sub-Total | | \$ | 4,190,462.21 |
| C. Non-Native Sales Fuel Costs ^(b) | (-) | | \$608,059.24 |
| D. Total Fuel Costs (A + B - C) | | | \$ 14,800,648.73 |

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

^(b) Accounting adjustment due to annual coal pile survey
Native \$661,982.56 and Non-Native \$37,249.68

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

Expense Month: October 2022

| Line No. | Description | | |
|----------|--|-----|-------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.061579 |
| 2 | Retail kWh Billed at Above Rate | (x) | <u>307,121,662</u> |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 18,912,244.80</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 265,818,130 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>265,818,130</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 16,368,814.63 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ 2,543,430.17 |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 350,551,854 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>350,551,854</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) | (+) | \$ 2,543,430.17 |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ 2,543,430.17</u></u> |



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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 January 2023.

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 S. Miller

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **November 2022**

| Line No. | Description | Amount | Rate (\$/kWh) |
|-----------------|---|------------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 17,970,313.90 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 296,154,378 | 0.060679 |
| 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>0.035278</u></u> |

Effective Date for Billing: January 3, 2023

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: December 16, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: November 2022

| | <u>Dollars (\$)</u> |
|---|--------------------------------|
| A. Company Generation | |
| Coal Burned ^(b) | (+ \$ 9,859,318.11 |
| Oil Burned | (+ 588,757.18 |
| Gas Burned | (+ 1,737,590.15 |
| Net Fuel Related RTO Billing Line Items | (- 684,433.96 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+ 97,032.51 |
| Fuel (substitute cost during Forced Outage ^(a)) | (- - |
| Sub-Total | <u>\$ 11,598,263.99</u> |
| B. Purchases | |
| Economy Purchases | (+ \$ 4,184,079.42 |
| Other Purchases | (+ - |
| Other Purchases (substitute for Forced Outage ^(a)) | (- 198,501.20 |
| Less purchases above highest cost units | (- - |
| Sub-Total | <u>\$ 3,985,578.22</u> |
| C. Non-Native Sales Fuel Costs ^(b) | (- \$ <u>628,858.16</u> |
| D. Total Fuel Costs (A + B - C) | (+ \$ 14,954,984.05 |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (- \$ (2,109,185.34) |
| F. Adjustment indicating the difference in actual fuel cost for the month of October 2022 and the estimated cost originally reported \$17,330,461.93 - \$16,949,138.58 | |
| (actual) (estimate) | (+ \$ 381,323.35 |
| G. RTO Resettlements for prior periods from Schedule 6, Line G | (+ \$ 524,821.16 |
| 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>\$ 17,970,313.90</u></u> |

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

^(b) Accounting adjustment due to annual coal pile survey
Native \$661,982.56 and Non-Native \$37,249.68

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: November 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|-----|--|
| A. Generation (Net) | (+) | 252,148,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>72,129,530</u> |
| Sub-Total | | <u>324,277,530</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 7,534,880 |
| <u>System Losses (316,742,650 KWH times 6.5% ^(a))</u> | (+) | <u>20,588,272</u> |
| Sub-Total | | <u>28,123,152</u> |
| C. Total Sales (A - B) | | <u><u>296,154,378</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: October 2022

| | | | <u>Dollars (\$)</u> |
|--|-----|----|---------------------|
| A. Company Generation | | | |
| Coal Burned | (+) | \$ | - |
| Oil Burned | (+) | | 105,516.93 |
| Gas Burned | (+) | | 427,850.00 |
| Net Fuel Related RTO Billing Line Items | (-) | | 1,281,639.94 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | | 0.00 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | | 0.00 |
| Sub-Total | | \$ | (748,273.01) |
| B. Purchases | | | |
| Economy Purchases | (+) | \$ | 18,078,734.94 |
| Other Purchases | (+) | | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | | 0.00 |
| Less purchases above highest cost units | (-) | | 0.00 |
| Sub-Total | | \$ | 18,078,734.94 |
| C. Non-Native Sales Fuel Costs | (-) | | \$0.00 |
| D. Total Fuel Costs (A + B - C) | | \$ | 17,330,461.93 |

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

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

Expense Month: September 2022

| Line No. | Description | | |
|---------------------|--|-----|---------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.036071 |
| 2 | Retail kWh Billed at Above Rate | (x) | <u>262,704,024</u> |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 9,475,996.86</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 321,177,184 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>321,177,184</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 11,585,182.20 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ (2,109,185.34) |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 296,154,378 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>296,154,378</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) | (+) | \$ (2,109,185.34) |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ (2,109,185.34)</u></u> |

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

Expense Month: July 2022

| | | | <u>Dollars (\$)</u> |
|--|-----|----|---------------------|
| A. Company Generation | | | |
| Coal Burned | (+) | \$ | 7,226,972.27 |
| Oil Burned | (+) | | 128,605.31 |
| Gas Burned | (+) | | 2,102,900.00 |
| Net Fuel Related RTO Billing Line Items | (-) | | 232,614.12 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | | 446,583.98 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | | 343,509.32 |
| Sub-Total | | \$ | 9,328,938.12 |
| B. Purchases | | | |
| Economy Purchases | (+) | \$ | 12,042,718.61 |
| Other Purchases | (+) | | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | | 1,424,109.13 |
| Less purchases above highest cost units | (-) | | |
| Sub-Total | | \$ | 10,618,609.48 |
| C. Non-Native Sales Fuel Costs | (-) | \$ | 542,362.92 |
| D. Total Fuel Costs (A + B - C) | | \$ | 19,405,184.68 |
| E. Total Fuel Costs Previously Reported | (-) | \$ | 18,880,363.52 |
| F. Prior Period Adjustment | (+) | \$ | - |
| G. Adjustment due to PJM Resettlements | | \$ | 524,821.16 |

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



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Please contact me if you have any questions.

Sincerely,

/s/ Libbie S. Miller

Enclosure

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: **October 2022**

| <u>Line No.</u> | <u>Description</u> | <u>Amount</u> | <u>Rate (\$/kWh)</u> |
|-----------------|---|------------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 23,120,833.97 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 265,818,130 | 0.086980 |
| 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>0.061579</u></u> |

Effective Date for Billing: December 1, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: November 18, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: October 2022

| | <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 ^(a)) | (+) |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) |
| Sub-Total | <u>\$ (251,269.06)</u> |
| B. Purchases | |
| Economy Purchases | (+) |
| Other Purchases | (+) |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) |
| Less purchases above highest cost units | (-) |
| Sub-Total | <u>\$ 17,284,488.91</u> |
| C. Non-Native Sales Fuel Costs | (-) <u>\$ 84,081.27</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 September 2022 and the estimated cost originally reported \$20,106,481.68 - \$20,119,611.06 | (+) |
| (actual) (estimate) | (13,129.38) |
| 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>\$ 23,120,833.97</u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: October 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|-----|--|
| A. Generation (Net) | (+) | 7,147,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>275,653,610</u> |
| Sub-Total | | <u>282,800,610</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 915,000 |
| <u>System Losses (281,885,610 KWH times 5.7% ^(a))</u> | (+) | <u>16,067,480</u> |
| Sub-Total | | <u>16,982,480</u> |
| C. Total Sales (A - B) | | <u><u>265,818,130</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: September 2022

| | | <u>Dollars (\$)</u> |
|--|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 5,261,728.92 |
| Oil Burned | (+) | 467,406.17 |
| Gas Burned | (+) | 214,650.00 |
| Net Fuel Related RTO Billing Line Items | (-) | (163,765.93) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 10,000.25 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 0.00 |
| Sub-Total | | <u>\$ 6,117,551.27</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 14,264,370.09 |
| Other Purchases | (+) | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 36,136.70 |
| Less purchases above highest cost units | (-) | 0.00 |
| Sub-Total | | <u>\$ 14,228,233.39</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$239,302.98 |
| D. Total Fuel Costs (A + B - C) | | <u><u>\$ 20,106,481.68</u></u> |

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

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

Expense Month: August 2022

| Line No. | Description | | |
|-------------|--|-----|---------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.054504 |
| 2 | Retail kWh Billed at Above Rate | (x) | <u>259,800,468</u> |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 14,160,164.71</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 383,918,237 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>383,918,237</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 20,925,079.59 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ (6,764,914.88) |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 265,818,130 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>265,818,130</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) | (+) | \$ (6,764,914.88) |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ (6,764,914.88)</u></u> |

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

Expense Month: June 2022

| | | <u>Dollars (\$)</u> |
|--|-----|-------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 8,522,736.85 |
| Oil Burned | (+) | 242,396.51 |
| Gas Burned | (+) | 893,000.00 |
| Net Fuel Related RTO Billing Line Items | (-) | 729,656.84 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 362,992.49 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 62,290.34 |
| Sub-Total | | <u>\$ 9,229,178.67</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 4,229,451.10 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 1,209,768.10 |
| Less purchases above highest cost units | (-) | 5,918.65 |
| Sub-Total | | <u>\$ 3,013,764.35</u> |
| C. Non-Native Sales Fuel Costs | | |
| | (-) | \$ 931,632.40 |
| D. Total Fuel Costs (A + B - C) | | |
| | | <u>\$ 11,311,310.62</u> |
| E. Total Fuel Costs Previously Reported | | |
| | (-) | \$ 11,891,400.73 |
| F. Prior Period Adjustment | | |
| | (+) | \$ - |
| G. Adjustment due to PJM Resettlements | | |
| | | <u>\$ (580,090.11)</u> |

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



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Rates & Regulatory Manager

October 21, 2022

Ms. Linda Bridwell, Executive Director

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

RECEIVED
OCT 21 2022
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 November 2022.

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 S. Miller

Enclosure

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: **September 2022**

| Line No. | Description | Amount | Rate (\$/kWh) |
|----------|---|------------------|------------------------|
| 1 | Fuel F _m (Schedule 2, Line K) | \$ 19,743,252.39 | |
| 2 | Sales S _m (Schedule 3, Line C) | ÷ 321,177,184 | 0.061472 |
| 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>0.036071</u></u> |

Effective Date for Billing: November 1, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: October 21, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: September 2022

| | <u>Dollars (\$)</u> |
|---|------------------------------------|
| A. Company Generation | |
| Coal Burned | (+ \$ 5,261,728.21 |
| Oil Burned | (+ 467,406.17 |
| Gas Burned | (+ 214,650.00 |
| Net Fuel Related RTO Billing Line Items | (-) (259,203.65) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+ 41,348.89 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) - |
| Sub-Total | <u>\$ 6,244,336.92</u> |
| B. Purchases | |
| Economy Purchases | (+ \$ 14,240,152.39 |
| Other Purchases | (+ - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) 127,489.35 |
| Less purchases above highest cost units | (-) - |
| Sub-Total | <u>\$ 14,112,663.04</u> |
| C. Non-Native Sales Fuel Costs | (-) <u>\$ 237,388.90</u> |
| D. Total Fuel Costs (A + B - C) | (+ \$ 20,119,611.06 ^(b) |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) \$ (99,343.45) |
| F. Adjustment indicating the difference in actual fuel cost for the month of August 2022 and the estimated cost originally reported \$31,770,826.66 - \$32,153,691.41 | (+ \$ (382,864.75) |
| (actual) (estimate) | |
| G. RTO Resettlements for prior periods from Schedule 6, Line G | (+ \$ (92,837.37) |
| 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>\$ 19,743,252.39</u></u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: September 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|-----|--|
| A. Generation (Net) | (+) | 171,048,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>178,967,520</u> |
| Sub-Total | | <u>350,015,520</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 6,510,510 |
| <u>System Losses (343,505,010 KWH times 6.5% ^(a))</u> | (+) | <u>22,327,826</u> |
| Sub-Total | | <u>28,838,336</u> |
| C. Total Sales (A - B) | | <u><u>321,177,184</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: August 2022

| | | <u>Dollars (\$)</u> |
|--|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 3,207,071.35 |
| Oil Burned | (+) | 363,894.41 |
| Gas Burned | (+) | 1,206,684.00 |
| Net Fuel Related RTO Billing Line Items | (-) | 366,083.23 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 324,894.14 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 42,787.80 |
| Sub-Total | | <u>\$ 4,693,672.87</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 28,564,509.77 |
| Other Purchases | (+) | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 1,190,624.11 |
| Less purchases above highest cost units | (-) | 0.00 |
| Sub-Total | | <u>\$ 27,373,885.66</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$296,731.87 |
| D. Total Fuel Costs (A + B - C) | | <u><u>\$ 31,770,826.66</u></u> |

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

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

Expense Month: July 2022

| Line No. | Description | | |
|-------------|--|-----|------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.016767 |
| 2 | Retail kWh Billed at Above Rate | (x) | <u>385,398,799</u> |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 6,461,981.67</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 391,323,738 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>391,323,738</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 6,561,325.12 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ (99,343.45) |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 321,177,184 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>321,177,184</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) | (+) | \$ (99,343.45) |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ (99,343.45)</u></u> |

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

Expense Month: May 2022

| | | <u>Dollars (\$)</u> |
|--|-----|---------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 6,032,691.47 |
| Oil Burned | (+) | 584,268.14 |
| Gas Burned | (+) | 218.50 |
| Net Fuel Related RTO Billing Line Items | (-) | (589,284.53) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 953,898.36 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 56.42 |
| Sub-Total | | \$ 8,160,304.58 |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 7,504,981.11 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 3,029,095.63 |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | \$ 4,475,885.48 |
| C. Non-Native Sales Fuel Costs | (-) | \$ 812,950.95 |
| D. Total Fuel Costs (A + B - C) | | \$ 11,823,239.11 |
| E. Total Fuel Costs Previously Reported | (-) | \$ 11,916,076.48 |
| F. Prior Period Adjustment | (+) | \$ - |
| G. Adjustment due to PJM Resettlements | | \$ (92,837.37) |

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



139 East Fourth Street
P.O. Box 960
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Tel: 513-287-2545
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Libbie S. Miller
Rates & Regulatory Manager

September 23, 2022

Ms. Linda Bridwell, Executive Director

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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 2022.

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 S. Miller

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **August 2022**

| <u>Line No.</u> | <u>Description</u> | <u>Amount</u> | <u>Rate (\$/kWh)</u> |
|-----------------|---|------------------|------------------------|
| 1 | Fuel F _m (Schedule 2, Line K) | \$ 30,677,163.31 | |
| 2 | Sales S _m (Schedule 3, Line C) | ÷ 383,918,237 | 0.079905 |
| 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>0.054504</u></u> |

Effective Date for Billing: October 3, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: September 23, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: August 2022

| | <u>Dollars (\$)</u> |
|--|------------------------------------|
| A. Company Generation | |
| Coal Burned | (+ \$ 3,207,070.88 |
| Oil Burned | (+ 363,894.41 |
| Gas Burned | (+ 1,206,684.00 |
| Net Fuel Related RTO Billing Line Items | (-) (51,230.70) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+ 324,894.14 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) 56,047.55 |
| <u>Sub-Total</u> | <u>\$ 5,097,726.58</u> |
| B. Purchases | |
| Economy Purchases | (+ \$ 28,551,397.54 |
| Other Purchases | (+ - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) 1,190,624.11 |
| <u>Less purchases above highest cost units</u> | (-) - |
| <u>Sub-Total</u> | <u>\$ 27,360,773.43</u> |
| C. Non-Native Sales Fuel Costs | (-) <u>\$ 304,808.60</u> |
| D. Total Fuel Costs (A + B - C) | (+ \$ 32,153,691.41 ^(b) |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) \$ 845,983.16 |
| F. Adjustment indicating the difference in actual fuel cost for the month of July 2022 and the estimated cost originally reported \$18,880,363.52 - \$19,423,641.18 (actual) (estimate) | (+ \$ (543,277.66) |
| G. RTO Resettlements for prior periods from Schedule 6, Line G | (+ \$ (87,267.29) |
| 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>\$ 30,677,163.31</u></u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: August 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|---------|--|
| A. Generation (Net) | (+) | 125,951,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>292,215,300</u> |
| Sub-Total | | <u>418,166,300</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 4,015,020 |
| <u>System Losses (414,151,280 KWH times 7.3% ^(a))</u> | (+) | <u>30,233,043</u> |
| Sub-Total | | <u>34,248,063</u> |
| C. Total Sales (A - B) | | <u><u>383,918,237</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: July 2022

| | | <u>Dollars (\$)</u> |
|--|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 7,226,972.27 |
| Oil Burned | (+) | 128,605.31 |
| Gas Burned | (+) | 2,102,900.00 |
| Net Fuel Related RTO Billing Line Items | (-) | 371,897.07 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 471,852.06 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 346,958.19 |
| Sub-Total | | <u>\$ 9,211,474.38</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 11,706,005.62 |
| Other Purchases | (+) | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 1,488,752.80 |
| Less purchases above highest cost units | (-) | 0.00 |
| Sub-Total | | <u>\$ 10,217,252.82</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$548,363.68 |
| D. Total Fuel Costs (A + B - C) | | <u><u>\$ 18,880,363.52</u></u> |

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

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

Expense Month: June 2022

| Line No. | Description | | |
|---------------------|--|-----|-----------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.013536 |
| 2 | Retail kWh Billed at Above Rate | (x) | <u>423,604,980</u> |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 5,733,917.01</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 361,106,224 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>361,106,224</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 4,887,933.85 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ 845,983.16 |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 383,918,237 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>383,918,237</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) | (+) | \$ 845,983.16 |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ 845,983.16</u></u> |

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

Expense Month: April 2022

| | | | <u>Dollars (\$)</u> |
|--|-----|----|---------------------|
| A. Company Generation | | | |
| Coal Burned | (+) | \$ | 4,444,351.24 |
| Oil Burned | (+) | | 184,625.12 |
| Gas Burned | (+) | | 290,094.55 |
| Net Fuel Related RTO Billing Line Items | (-) | | (328,746.53) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | | - |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | | - |
| Sub-Total | | \$ | 5,247,817.44 |
| B. Purchases | | | |
| Economy Purchases | (+) | \$ | 9,444,577.17 |
| Other Purchases | (+) | | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | | - |
| Less purchases above highest cost units | (-) | | - |
| Sub-Total | | \$ | 9,444,577.17 |
| C. Non-Native Sales Fuel Costs | (-) | \$ | 522,618.37 |
| D. Total Fuel Costs (A + B - C) | | \$ | 14,169,776.24 |
| E. Total Fuel Costs Previously Reported | (-) | \$ | 14,257,043.53 |
| F. Prior Period Adjustment | (+) | \$ | - |
| G. Adjustment due to PJM Resettlements | | \$ | (87,267.29) |

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



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August 22, 2022

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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 S. Miller

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **July 2022**

| Line No. | Description | Amount | Rate (\$/kWh) |
|-----------------|---|------------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 16,501,250.84 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 391,323,738 | 0.042168 |
| 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>0.016767</u></u> |

Effective Date for Billing: September 1, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: August 22, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: July 2022

| | <u>Dollars (\$)</u> |
|--|------------------------------------|
| A. Company Generation | |
| Coal Burned | (+ \$ 7,226,973.11 |
| Oil Burned | (+ 128,605.31 |
| Gas Burned | (+ 2,102,900.00 |
| Net Fuel Related RTO Billing Line Items | (-) 234,769.08 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+ 469,296.58 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) 396,717.32 |
| Sub-Total | <u>\$ 9,296,288.60</u> |
| B. Purchases | |
| Economy Purchases | (+ \$ 12,169,879.82 |
| Other Purchases | (+ - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) 1,484,515.40 |
| Less purchases above highest cost units | (-) - |
| Sub-Total | <u>\$ 10,685,364.42</u> |
| C. Non-Native Sales Fuel Costs | (-) \$ 558,011.84 |
| D. Total Fuel Costs (A + B - C) | (+ \$ 19,423,641.18 ^(b) |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) \$ 3,274,310.65 |
| F. Adjustment indicating the difference in actual fuel cost for the month of June 2022 and the estimated cost originally reported \$11,891,400.73 - \$11,990,388.64 | (+ \$ (98,987.91) |
| (actual) (estimate) | |
| G. RTO Resettlements for prior periods from Schedule 6, Line G | (+ \$ 450,908.22 |
| 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>\$ 16,501,250.84</u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: July 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|---------|--|
| A. Generation (Net) | (+) | 306,513,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>131,990,110</u> |
| Sub-Total | | <u>438,503,110</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 7,529,830 |
| <u>System Losses (430,973,280 KWH times 9.2% ^(a))</u> | (+) | <u>39,649,542</u> |
| Sub-Total | | <u>47,179,372</u> |
| C. Total Sales (A - B) | | <u><u>391,323,738</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: June 2022

| | | <u>Dollars (\$)</u> |
|--|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 8,522,736.84 |
| Oil Burned | (+) | 242,396.51 |
| Gas Burned | (+) | 893,000.00 |
| Net Fuel Related RTO Billing Line Items | (-) | 830,446.78 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 358,737.70 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 62,290.34 |
| Sub-Total | | <u>\$ 9,124,133.93</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 4,801,436.83 |
| Other Purchases | (+) | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 1,212,553.95 |
| Less purchases above highest cost units | (-) | 6,336.76 |
| Sub-Total | | <u>\$ 3,582,546.12</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$815,279.32 |
| D. Total Fuel Costs (A + B - C) | | <u><u>\$ 11,891,400.73</u></u> |

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

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

Expense Month: May 2022

| Line No. | Description | | |
|-------------|--|-----|-------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.011039 |
| 2 | Retail kWh Billed at Above Rate | (x) | <u>616,301,670</u> |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 6,803,354.13</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 319,688,693 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>319,688,693</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 3,529,043.48 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ 3,274,310.65 |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 391,323,738 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>391,323,738</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) | (+) | \$ 3,274,310.65 |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ 3,274,310.65</u></u> |

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

Expense Month: March 2022

| | | | <u>Dollars (\$)</u> |
|--|-----|----|---------------------|
| A. Company Generation | | | |
| Coal Burned | (+) | \$ | 6,885,984.78 |
| Oil Burned | (+) | | 154,732.62 |
| Gas Burned | (+) | | 312,250.00 |
| Net Fuel Related RTO Billing Line Items | (-) | | 63,094.80 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | | - |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | | - |
| Sub-Total | | \$ | 7,289,872.60 |
| B. Purchases | | | |
| Economy Purchases | (+) | \$ | 3,484,268.43 |
| Other Purchases | (+) | | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | | - |
| Less purchases above highest cost units | (-) | | - |
| Sub-Total | | \$ | 3,484,268.43 |
| C. Non-Native Sales Fuel Costs | (-) | \$ | 471,414.74 |
| D. Total Fuel Costs (A + B - C) | | \$ | 10,302,726.29 |
| E. Total Fuel Costs Previously Reported | (-) | \$ | 9,851,818.07 |
| F. Prior Period Adjustment | (+) | \$ | - |
| G. Adjustment due to PJM Resettlements | | \$ | 450,908.22 |

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



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Libbie S. Miller
Rates & Regulatory Manager

July 22, 2022

Ms. Linda Bridwell, Executive Director

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

RECEIVED
JUL 22 2022
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 August 2022.

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 S. Miller

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **June 2022**

| <u>Line No.</u> | <u>Description</u> | <u>Amount</u> | <u>Rate (\$/kWh)</u> |
|-----------------|---|------------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 14,060,555.97 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 361,106,224 | 0.038937 |
| 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>0.013536</u></u> |

Effective Date for Billing: August 2, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: July 22, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: June 2022

| | | <u>Dollars (\$)</u> |
|--|-----|---------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 8,522,735.43 |
| Oil Burned | (+) | 242,396.51 |
| Gas Burned | (+) | 893,000.00 |
| Net Fuel Related RTO Billing Line Items | (-) | 709,395.33 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 375,626.32 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | - |
| Sub-Total | | <u>\$ 9,324,362.93</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 4,706,418.95 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 1,212,552.28 |
| Less purchases above highest cost units | (-) | 6,336.76 |
| Sub-Total | | <u>\$ 3,487,529.91</u> |
| C. Non-Native Sales Fuel Costs | (-) | <u>\$ 821,504.20</u> |
| D. Total Fuel Costs (A + B - C) | (+) | \$ 11,990,388.64 ^(b) |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) | \$ (1,775,863.94) |
| F. Adjustment indicating the difference in actual fuel cost for the month of May 2022 and the estimated cost originally reported \$11,916,076.48 - \$11,569,567.17 | (+) | \$ 346,509.31 |
| (actual) (estimate) | | |
| G. RTO Resettlements for prior periods from Schedule 6, Line G | (+) | \$ (52,205.92) |
| 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>\$ 14,060,555.97</u></u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: June 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|---------|--|
| A. Generation (Net) | (+) | 369,741,500 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>42,561,250</u> |
| Sub-Total | | <u>412,302,750</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 24,849,720 |
| <u>System Losses (387,453,030 KWH times 6.8% ^(a))</u> | (+) | <u>26,346,806</u> |
| Sub-Total | | <u>51,196,526</u> |
| C. Total Sales (A - B) | | <u><u>361,106,224</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: May 2022

| | <u>Dollars (\$)</u> |
|--|-------------------------|
| A. Company Generation | |
| Coal Burned | (+ \$ 6,032,691.48) |
| Oil Burned | (+ 584,268.14) |
| Gas Burned | (+ 218.50) |
| Net Fuel Related RTO Billing Line Items | (-) (585,432.98) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+ 959,488.20) |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) 0.00 |
| Sub-Total | <u>\$ 8,162,099.30</u> |
| B. Purchases | |
| Economy Purchases | (+ \$ 7,587,761.09) |
| Other Purchases | (+ 0.00) |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) 3,044,032.32 |
| Less purchases above highest cost units | (-) 0.00 |
| Sub-Total | <u>\$ 4,543,728.77</u> |
| C. Non-Native Sales Fuel Costs | (-) \$789,751.59 |
| D. Total Fuel Costs (A + B - C) | <u>\$ 11,916,076.48</u> |

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

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

Expense Month: April 2022

| Line No. | Description | | |
|-------------|--|-----|---------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.026634 |
| 2 | Retail kWh Billed at Above Rate | (x) | <u>218,710,915</u> |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 5,825,146.52</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 285,387,492 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>285,387,492</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 7,601,010.46 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ (1,775,863.94) |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 361,106,224 |
| 10 | Kentucky Jurisdictional Sales | (÷) | <u>361,106,224</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) | (+) | \$ (1,775,863.94) |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ (1,775,863.94)</u></u> |

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

Expense Month: February 2022

| | | <u>Dollars (\$)</u> |
|--|-----|---------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 6,414,479.82 |
| Oil Burned | (+) | 371,895.47 |
| Gas Burned | (+) | 25,500.00 |
| Net Fuel Related RTO Billing Line Items | (-) | (488,166.83) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 271,590.96 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 4,970.62 |
| Sub-Total | | \$ 7,566,662.46 |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 4,128,979.51 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 649,303.60 |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | \$ 3,479,675.91 |
| C. Non-Native Sales Fuel Costs | (-) | 332,288.61 |
| D. Total Fuel Costs (A + B - C) | | \$ 10,714,049.76 |
| E. Total Fuel Costs Previously Reported | (-) | \$ 10,766,255.68 |
| F. Prior Period Adjustment | (+) | \$ - |
| G. Adjustment due to PJM Resettlements | | \$ (52,205.92) |

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



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Rates & Regulatory Manager

June 21, 2022

Ms. Linda Bridwell, Executive Director

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

RECEIVED

JUN 21 2022

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 2022.

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 S. Miller

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **May 2022**

| Line No. | Description | Amount | Rate (\$/kWh) |
|-----------------|---|------------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 11,649,605.90 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 319,688,693 | 0.036440 |
| 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>0.011039</u></u> |

Effective Date for Billing: July 1, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: June 21, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: May 2022

| | <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 ^(a)) | (+) |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) |
| <u>Sub-Total</u> | <u>\$ 7,981,529.74</u> |
| B. Purchases | |
| Economy Purchases | (+) |
| Other Purchases | (+) |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) |
| <u>Less purchases above highest cost units</u> | <u>(-)</u> |
| <u>Sub-Total</u> | <u>\$ 4,367,295.57</u> |
| C. Non-Native Sales Fuel Costs | (-) <u>\$ 779,258.14</u> |
| D. Total Fuel Costs (A + B - C) | (+) |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) \$ (222,697.58) |
| F. Adjustment indicating the difference in actual fuel cost for the month of April 2022 and the estimated cost originally reported \$14,257,043.53 - \$14,195,183.57 | (+) |
| (actual) (estimate) | \$ 61,859.96 |
| 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>\$ 11,649,605.90</u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: May 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|-----|--|
| A. Generation (Net) | (+) | 281,855,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>93,608,770</u> |
| Sub-Total | | <u>375,463,770</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 36,451,370 |
| <u>System Losses (339,012,400 KWH times 5.7% ^(a))</u> | (+) | <u>19,323,707</u> |
| Sub-Total | | <u>55,775,077</u> |
| C. Total Sales (A - B) | | <u><u>319,688,693</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: April 2022

| | | <u>Dollars (\$)</u> |
|--|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 4,444,351.24 |
| Oil Burned | (+) | 184,625.12 |
| Gas Burned | (+) | 290,094.55 |
| Net Fuel Related RTO Billing Line Items | (-) | (330,817.67) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 0.00 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 0.00 |
| Sub-Total | | <u>\$ 5,249,888.58</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 9,522,658.64 |
| Other Purchases | (+) | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 0.00 |
| Less purchases above highest cost units | (-) | 0.00 |
| Sub-Total | | <u>\$ 9,522,658.64</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$515,503.69 |
| D. Total Fuel Costs (A + B - C) | | <u><u>\$ 14,257,043.53</u></u> |

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

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

Expense Month: March 2022

| Line No. | Description | | |
|----------|--|-----|-------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.005832 |
| 2 | Retail kWh Billed at Above Rate | (x) | 273,652,471 |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 1,595,941.21</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 311,837,927 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>311,837,927</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 1,818,638.79 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ (222,697.58) |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 319,688,693 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>319,688,693</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) | (+) | \$ (222,697.58) |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ (222,697.58)</u></u> |

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

Expense Month: January 2022

| | | | <u>Dollars (\$)</u> |
|--|-----|----|---------------------|
| A. Company Generation | | | |
| Coal Burned | (+) | \$ | 7,476,852.69 |
| Oil Burned | (+) | | 569,348.65 |
| Gas Burned | (+) | | 1,066,985.31 |
| Net Fuel Related RTO Billing Line Items | (-) | | (591,448.66) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | | 11,241.72 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | | - |
| Sub-Total | | \$ | 9,715,877.03 |
| B. Purchases | | | |
| Economy Purchases | (+) | \$ | 2,806,649.29 |
| Other Purchases | (+) | | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | | 27,556.86 |
| Less purchases above highest cost units | (-) | | - |
| Sub-Total | | \$ | 2,779,092.43 |
| C. Non-Native Sales Fuel Costs | (-) | | 1,285,864.43 |
| D. Total Fuel Costs (A + B - C) | | \$ | 11,209,105.03 |
| E. Total Fuel Costs Previously Reported | (-) | \$ | 11,413,623.84 |
| F. Prior Period Adjustment | (+) | \$ | - |
| G. Adjustment due to PJM Resettlements | | \$ | (204,518.81) |

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



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May 20, 2022

Ms. Linda Bridwell, Executive Director

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

RECEIVED

MAY 20 2022

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 2022.

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 S. Miller

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **April 2022**

| <u>Line No.</u> | <u>Description</u> | <u>Amount</u> | <u>Rate (\$/kWh)</u> |
|-----------------|---|------------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 14,850,018.96 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 285,387,492 | 0.052035 |
| 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>0.026634</u></u> |

Effective Date for Billing: June 1, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: May 20, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: April 2022

| | | <u>Dollars (\$)</u> |
|--|-----|---------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 4,444,351.74 |
| Oil Burned | (+) | 184,625.12 |
| Gas Burned | (+) | 290,094.55 |
| Net Fuel Related RTO Billing Line Items | (-) | (303,464.28) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | - |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | - |
| Sub-Total | | <u>\$ 5,222,535.69</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 9,487,445.85 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | - |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | <u>\$ 9,487,445.85</u> |
| C. Non-Native Sales Fuel Costs | (-) | <u>\$ 514,797.97</u> |
| D. Total Fuel Costs (A + B - C) | (+) | \$ 14,195,183.57 ^(b) |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) | \$ (738,997.71) |
| F. Adjustment indicating the difference in actual fuel cost for the month of March 2022 and the estimated cost originally reported \$9,851,818.07 - \$9,873,682.48 | (+) | \$ (21,864.41) |
| (actual) (estimate) | | |
| G. RTO Resettlements for prior periods from Schedule 6, Line G | (+) | \$ (62,297.91) |
| 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>\$ 14,850,018.96</u></u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: April 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|---------|--|
| A. Generation (Net) | (+) | 177,365,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>136,902,100</u> |
| Sub-Total | | <u>314,267,100</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 12,588,990 |
| <u>System Losses (301,678,110 KWH times 5.4% ^(a))</u> | (+) | <u>16,290,618</u> |
| Sub-Total | | <u>28,879,608</u> |
| C. Total Sales (A - B) | | <u><u>285,387,492</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: March 2022

| | | | <u>Dollars (\$)</u> |
|--|-----|----|---------------------|
| A. Company Generation | | | |
| Coal Burned | (+) | \$ | 6,885,984.78 |
| Oil Burned | (+) | | 154,732.62 |
| Gas Burned | (+) | | 312,250.00 |
| Net Fuel Related RTO Billing Line Items | (-) | | 52,652.15 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | | 0.00 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | | 0.00 |
| Sub-Total | | \$ | 7,300,315.25 |
| B. Purchases | | | |
| Economy Purchases | (+) | \$ | 3,089,413.56 |
| Other Purchases | (+) | | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | | 0.00 |
| Less purchases above highest cost units | (-) | | 0.00 |
| Sub-Total | | \$ | 3,089,413.56 |
| C. Non-Native Sales Fuel Costs | (-) | | \$537,910.74 |
| D. Total Fuel Costs (A + B - C) | | \$ | 9,851,818.07 |

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

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

Expense Month: February 2022

| Line No. | Description | | |
|-------------|--|-----|-------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.005988 |
| 2 | Retail kWh Billed at Above Rate | (x) | 193,760,673 |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 1,160,238.91</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 317,173,784 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>317,173,784</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 1,899,236.62 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ (738,997.71) |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 285,387,492 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>285,387,492</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) | (+) | \$ (738,997.71) |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ (738,997.71)</u></u> |

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

Expense Month: December 2021

| | | <u>Dollars (\$)</u> |
|--|-----|-------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 1,055,995.12 |
| Oil Burned | (+) | 454,576.85 |
| Gas Burned | (+) | (12,741.40) |
| Net Fuel Related RTO Billing Line Items | (-) | (206,177.84) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 123,617.55 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | - |
| Sub-Total | | <u>\$ 1,827,625.96</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 16,480,073.26 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 190,400.08 |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | <u>\$ 16,289,673.18</u> |
| C. Non-Native Sales Fuel Costs | (-) | 35,172.90 |
| D. Total Fuel Costs (A + B - C) | | <u>\$ 18,082,126.24</u> |
| E. Total Fuel Costs Previously Reported | (-) | \$ 18,144,424.15 |
| F. Prior Period Adjustment | (+) | \$ - |
| G. Adjustment due to PJM Resettlements | | <u>\$ (62,297.91)</u> |

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



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Libbie S. Miller
Rates & Regulatory Manager

April 22, 2022

Ms. Linda Bridwell, Executive Director

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

RECEIVED
APR 22 2022

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 2022.

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 S. Miller

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **March 2022**

| <u>Line No.</u> | <u>Description</u> | <u>Amount</u> | <u>Rate (\$/kWh)</u> |
|-----------------|---|-----------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 9,739,517.89 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 311,837,927 | 0.031233 |
| 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>0.005832</u></u> |

Effective Date for Billing: May 1, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: April 22, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: March 2022

| | <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 ^(a)) | (+) |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) |
| Sub-Total | <u>\$ 7,379,494.75</u> |
| B. Purchases | |
| Economy Purchases | (+) |
| Other Purchases | (+) |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) |
| Less purchases above highest cost units | (-) |
| Sub-Total | <u>\$ 3,033,678.85</u> |
| C. Non-Native Sales Fuel Costs | (-) <u>\$ 539,491.12</u> |
| D. Total Fuel Costs (A + B - C) | (+) |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) \$ 141,865.08 |
| F. Adjustment indicating the difference in actual fuel cost for the month of February 2022 and the estimated cost originally reported \$10,766,255.68 - \$10,637,661.37 | (+) |
| (actual) (estimate) | \$ 128,594.31 |
| 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>\$ 9,739,517.89</u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: March 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|---------|--|
| A. Generation (Net) | (+) | 282,677,800 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>62,007,070</u> |
| Sub-Total | | <u>344,684,870</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 16,088,530 |
| <u>System Losses (328,596,340 KWH times 5.1% ^(a))</u> | (+) | <u>16,758,413</u> |
| Sub-Total | | <u>32,846,943</u> |
| C. Total Sales (A - B) | | <u><u>311,837,927</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: February 2022

| | | <u>Dollars (\$)</u> |
|--|-----|-------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 6,414,479.82 |
| Oil Burned | (+) | 371,895.47 |
| Gas Burned | (+) | 25,500.00 |
| Net Fuel Related RTO Billing Line Items | (-) | (487,306.05) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 274,592.15 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 4,970.62 |
| Sub-Total | | <u>\$ 7,568,802.87</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 4,172,339.13 |
| Other Purchases | (+) | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 656,553.22 |
| Less purchases above highest cost units | (-) | 0.00 |
| Sub-Total | | <u>\$ 3,515,785.91</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$318,333.10 |
| D. Total Fuel Costs (A + B - C) | | <u>\$ 10,766,255.68</u> |

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

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

Expense Month: January 2022

| Line No. | Description | | |
|----------|--|-----|-----------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | (0.001187) |
| 2 | Retail kWh Billed at Above Rate | (x) | <u>256,370,396</u> |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ (304,311.66)</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 375,886,048 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>375,886,048</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ (446,176.74) |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ 141,865.08 |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 311,837,927 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>311,837,927</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) | (+) | \$ 141,865.08 |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ 141,865.08</u></u> |

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

Expense Month: November 2021

| | | <u>Dollars (\$)</u> |
|--|-----|---------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ - |
| Oil Burned | (+) | 89,049.96 |
| Gas Burned | (+) | 530,302.80 |
| Net Fuel Related RTO Billing Line Items | (-) | 433,172.73 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | - |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | - |
| Sub-Total | | \$ 186,180.03 |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 18,385,750.28 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | - |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | \$ 18,385,750.28 |
| C. Non-Native Sales Fuel Costs | (-) | - |
| D. Total Fuel Costs (A + B - C) | | \$ 18,571,930.31 |
| E. Total Fuel Costs Previously Reported | (-) | \$ 18,692,824.13 |
| F. Prior Period Adjustment | (+) | \$ - |
| G. Adjustment due to PJM Resettlements | | \$ (120,893.82) |

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



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Rates & Regulatory Manager

March 22, 2022

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 22 2022

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 2022.

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 S. Miller

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **February 2022**

| <u>Line No.</u> | <u>Description</u> | <u>Amount</u> | <u>Rate (\$/kWh)</u> |
|-----------------|---|-----------------|------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 9,955,715.04 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 317,173,784 | 0.031389 |
| 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>0.005988</u></u> |

Effective Date for Billing: April 1, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Manager

Date Submitted: March 22, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: February 2022

| | | <u>Dollars (\$)</u> |
|--|-----|---------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 6,414,479.92 |
| Oil Burned | (+) | 371,895.47 |
| Gas Burned | (+) | 25,500.00 |
| Net Fuel Related RTO Billing Line Items | (-) | (518,361.48) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 269,854.13 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | - |
| Sub-Total | | <u>\$ 7,600,091.00</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 4,082,871.30 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 656,553.22 |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | <u>\$ 3,426,318.08</u> |
| C. Non-Native Sales Fuel Costs | (-) | <u>\$ 388,747.71</u> |
| D. Total Fuel Costs (A + B - C) | (+) | \$ 10,637,661.37 ^(b) |
| E. Total Company Over or (Under) Recovery from Schedule 5, Line 14 | (-) | \$ 825,421.36 |
| F. Adjustment indicating the difference in actual fuel cost for the month of January 2022 and the estimated cost originally reported \$11,413,623.84 - \$11,207,255.56 | (+) | \$ 206,368.28 |
| (actual) (estimate) | | |
| G. RTO Resettlements for prior periods from Schedule 6, Line G | (+) | \$ (119,883.29) |
| H. Prior Period Correction | (+) | \$ 56,990.04 |
| 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>\$ 9,955,715.04</u></u> |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: February 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|-----|--|
| A. Generation (Net) | (+) | 272,467,500 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>77,618,700</u> |
| Sub-Total | | <u>350,086,200</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 15,867,250 |
| <u>System Losses (334,218,950 KWH times 5.1% ^(a))</u> | (+) | <u>17,045,166</u> |
| Sub-Total | | <u>32,912,416</u> |
| C. Total Sales (A - B) | | <u><u>317,173,784</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: January 2022

| | | <u>Dollars (\$)</u> |
|--|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 7,476,852.67 |
| Oil Burned | (+) | 569,348.65 |
| Gas Burned | (+) | 1,066,985.31 |
| Net Fuel Related RTO Billing Line Items | (-) | (510,582.50) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 11,534.67 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 0.00 |
| Sub-Total | | <u>\$ 9,635,303.80</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 2,871,182.67 |
| Other Purchases | (+) | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 28,311.46 |
| Less purchases above highest cost units | (-) | 0.00 |
| Sub-Total | | <u>\$ 2,842,871.21</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$1,064,551.17 |
| D. Total Fuel Costs (A + B - C) | | <u><u>\$ 11,413,623.84</u></u> |

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

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

Expense Month: December 2021

| Line No. | Description | | |
|----------|--|-----|-----------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.028599 |
| 2 | Retail kWh Billed at Above Rate | (x) | 347,879,183 |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 9,948,996.75</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 319,017,287 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>319,017,287</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 9,123,575.39 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ 825,421.36 |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 317,173,784 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>317,173,784</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) | (+) | \$ 825,421.36 |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ 825,421.36</u></u> |

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

Expense Month: October 2021

| | | <u>Dollars (\$)</u> |
|--|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ (326,122.67) ^(b) |
| Oil Burned | (+) | - |
| Gas Burned | (+) | 291,600.00 |
| Net Fuel Related RTO Billing Line Items | (-) | 34,899.08 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | - |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | - |
| Sub-Total | | \$ (69,421.75) |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 15,200,280.60 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | - |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | \$ 15,200,280.60 |
| C. Non-Native Sales Fuel Costs | (-) | (30,407.30) ^(b) |
| D. Total Fuel Costs (A + B - C) | | \$ 15,161,266.15 |
| E. Total Fuel Costs Previously Reported | (-) | \$ 15,281,149.44 |
| F. Prior Period Adjustment | (+) | \$ - |
| G. Adjustment due to PJM Resettlements | | \$ (119,883.29) |

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

^(b) Accounting adjustment due to annual coal pile survey

**DUKE ENERGY KENTUCKY
PRIOR PERIOD CORRECTIONS
FUEL COST SCHEDULE**

| Expense Month: July 2021 | | Original July S105 | Revised July S155 | Adjustment |
|---|-----|-----------------------------|--|--|
| | | Exp Month: November 2021 | Updated in Exp Month: February 2022 | July 2021 Settlement Update Dollars (\$) |
| A. Company Generation | | | | |
| Coal Burned | (+) | \$ 6,938,910.49 | \$ 6,938,910.49 | \$ - |
| Oil Burned | (+) | 172,053.68 | 172,053.68 | - |
| Gas Burned | (+) | 386,994.80 | 386,994.80 | - |
| Net Fuel Related RTO Billing Line Items | (-) | 99,974.37 | 107,490.13 | 7,515.76 |
| Fuel (assigned cost during Forced Outage(a)) | (+) | 523,616.42 | 524,128.57 | 512.15 |
| Fuel (substitute cost during Forced Outage(a)) | (-) | 43,150.77 | 43,150.77 | - |
| Sub-Total | | <u>\$ 7,878,450.25</u> | <u>\$ 7,871,446.64</u> | <u>\$ (7,003.61)</u> |
| B. Purchases | | | | |
| Economy Purchases | (+) | \$ 3,140,078.34 | \$ 3,193,160.07 | \$ 53,081.73 |
| Other Purchases | (+) | - | | |
| Other Purchases (substitute for Forced Outage(a)) | (-) | \$ 979,882.60 | \$ 980,721.31 | \$ 838.71 |
| Less purchases above highest cost units | (-) | - | | |
| Sub-Total | | <u>\$ 2,160,195.74</u> | <u>\$ 2,212,438.76</u> | <u>\$ 52,243.02</u> |
| C. Non-Native Sales Fuel Costs | | | | |
| | | <u>\$ 308,671.15</u> | <u>\$ 296,920.52</u> | <u>\$ (11,750.63)</u> |
| D. Total Fuel Costs (A + B - C) | | | | |
| | | \$ 9,729,974.84 | \$ 9,786,964.88 | \$ 56,990.04 |
| E. Total Fuel Costs Previously Reported | | | | |
| | | \$ 9,848,865.42 | \$ 9,848,865.42 | \$ - |
| F. Prior Period Adjustment | | | | |
| | | \$ - | \$ - | \$ - |
| G. Adjustment due to PJM Resettlements | | | | |
| | | <u>\$ (118,890.58)</u> | <u>\$ (61,900.54)</u> | <u>\$ 56,990.04</u> |

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



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Libbie S. Miller
Rates & Regulatory Lead Analyst

February 21, 2022

Ms. Linda Bridwell, Executive Director

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

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FEB 21 2022

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 2022.

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 S. Miller

Enclosure

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: **January 2022**

| Line No. | Description | Amount | Rate (\$/kWh) |
|----------|---|-----------------|--------------------------|
| 1 | Fuel F_m (Schedule 2, Line K) | \$ 9,101,663.25 | |
| 2 | Sales S_m (Schedule 3, Line C) | ÷ 375,886,048 | 0.024214 |
| 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>(0.001187)</u></u> |

Effective Date for Billing: March 3, 2022

Submitted by: /s/ Libbie S. Miller

Title: Rates & Regulatory Lead Analyst

Date Submitted: February 21, 2022

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: January 2022

| | <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 ^(a)) | (+) |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) |
| Sub-Total | \$ 9,685,953.43 |
| B. Purchases | |
| Economy Purchases | (+) |
| Other Purchases | (+) |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) |
| Less purchases above highest cost units | (-) |
| Sub-Total | \$ 2,692,357.82 |
| C. Non-Native Sales Fuel Costs | (-) |
| 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 December 2021 and the estimated cost originally reported \$18,144,424.15 - \$18,130,060.84 | (+) |
| (actual) (estimate) | 14,363.31 |
| 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) | \$ 9,101,663.25 |

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

^(b) Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: January 2022

| | | <u>Kilowatt-Hours Current Month</u> |
|--|-----|--|
| A. Generation (Net) | (+) | 355,827,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>59,046,028</u> |
| Sub-Total | | <u>414,873,028</u> |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 19,619,560 |
| <u> System Losses (395,253,468 KWH times 4.9% ^(a))</u> | (+) | <u>19,367,420</u> |
| Sub-Total | | <u>38,986,980</u> |
| C. Total Sales (A - B) | | <u><u>375,886,048</u></u> |

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: December 2021

| | | <u>Dollars (\$)</u> |
|--|-----|--------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 1,055,995.12 |
| Oil Burned | (+) | 454,576.85 |
| Gas Burned | (+) | (12,741.40) |
| Net Fuel Related RTO Billing Line Items | (-) | (206,493.97) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 125,383.02 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 0.00 |
| Sub-Total | | <u>\$ 1,829,707.56</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 16,541,419.82 |
| Other Purchases | (+) | 0.00 |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 193,066.92 |
| Less purchases above highest cost units | (-) | 0.00 |
| Sub-Total | | <u>\$ 16,348,352.90</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$33,636.31 |
| D. Total Fuel Costs (A + B - C) | | <u><u>\$ 18,144,424.15</u></u> |

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

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

Expense Month: November 2021

| Line No. | Description | | |
|-------------|--|-----|-------------------------------|
| 1 | FAC Rate Billed (\$/kWh) | (+) | 0.039735 |
| 2 | Retail kWh Billed at Above Rate | (x) | 351,296,556 |
| 3 | FAC Revenue/(Refund) (Line 1 * Line 2) | | <u>\$ 13,958,768.64</u> |
| 4 | kWh Used to Determine Last FAC Rate Billed | (+) | 299,893,968 |
| 5 | Non-Jurisdictional kWh included in Line 4 | (-) | <u>-</u> |
| 6 | Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5) | | <u>299,893,968</u> |
| 7 | Recoverable FAC Revenue/(Refund) (Line 1 * Line 6) | | \$ 11,916,286.82 |
| 8 | Over or (Under) (Line 3 - Line 7) | | \$ 2,042,481.82 |
| 9 | Total Sales (Schedule 3, Line C) | (-) | 375,886,048 |
| 10 | Kentucky Jurisdictional Sales | (+) | <u>375,886,048</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) | (+) | \$ 2,042,481.82 |
| 13 | Amount Over or (Under) Recovered in prior filings | (-) | \$ - |
| 14 | Total Company Over or (Under) Recovery | | <u><u>\$ 2,042,481.82</u></u> |

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

Expense Month: September 2021

| | | <u>Dollars (\$)</u> |
|--|-----|-------------------------|
| A. Company Generation | | |
| Coal Burned | (+) | \$ 842,768.00 |
| Oil Burned | (+) | 176,644.74 |
| Gas Burned | (+) | 148,800.00 |
| Net Fuel Related RTO Billing Line Items | (-) | (76,866.82) |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | 1,060,259.05 |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | 3,681.48 |
| Sub-Total | | <u>\$ 2,301,657.13</u> |
| B. Purchases | | |
| Economy Purchases | (+) | \$ 13,871,945.59 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | 1,782,944.50 |
| Less purchases above highest cost units | (-) | - |
| Sub-Total | | <u>\$ 12,089,001.09</u> |
| C. Non-Native Sales Fuel Costs | (-) | \$94,083.47 |
| D. Total Fuel Costs (A + B - C) | | <u>\$ 14,296,574.75</u> |
| E. Total Fuel Costs Previously Reported | (-) | \$ 14,374,048.55 |
| F. Prior Period Adjustment | (+) | \$ - |
| G. Adjustment due to PJM Resettlements | | <u>\$ (77,473.80)</u> |

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