



139 East Fourth Street  
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ted.czupik@duke-energy.com

Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

January 21, 2019

Ms. Gwen R. Pinson, Executive Director

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

Dear Ms. Pinson:

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 2019.

Please note on Schedule 7 of the filing, a prior period adjustment in the amount of \$5,257.65, which is related to PJM resettlements for the months of June 2018 and July 2018.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Theodore H. Czupik Jr." in a cursive script.

Theodore H. Czupik Jr.

Enclosure

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DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: December 2018

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 8,428,004.06	
2	Sales $S_m$ (Schedule 3, Line C)	÷ 320,128,370	0.026327
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005		(-) 0.023837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>0.002490</u>

Effective Date for Billing: January 31, 2019

Submitted by: Theodore H. Czupik Jr.

Title: Rates & Regulatory Strategy Manager

Date Submitted: January 21, 2019

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COMMISSION

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: December 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 8,119,386.22
Oil Burned	(+) 145,061.75
Gas Burned	(+) -
Net Fuel Related RTO Billing Line Items	(-) (184,119.36)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 18,846.44
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) -
<u>Sub-Total</u>	<u>\$ 8,467,413.77</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 1,397,520.22
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 29,667.17
Less purchases above highest cost units	(-) -
<u>Sub-Total</u>	<u>\$ 1,367,853.05</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 1,187,115.45</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+) \$ 8,648,151.37 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-) \$ 27,570.34
<b>F. Adjustment indicating the difference in actual fuel cost for the month of November 2018 and the estimated cost originally reported \$8,473,896.82 - \$8,448,506.12</b>	
(actual)                      (estimate)	(+) \$ 25,390.70
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+) \$ (223,225.32)
<b>H. Prior Period Correction</b>	(+) \$ 5,257.65
<b>I. Deferral of Current Purchased Power Costs</b>	(-) \$ -
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+) \$ -
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u>\$ 8,428,004.06</u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: December 2018**

		<b>Kilowatt-Hours Current Month</b>
A. Generation (Net)	(+)	373,722,000
<u>Purchases Including Interchange-In</u>	(+)	<u>30,175,260</u>
Sub-Total		<u>403,897,260</u>
 B. Pumped Storage Energy	 (+)	 -
Non-Native Sales Including Interchange Out	(+)	55,931,640
<u>System Losses (347,965,620 KWH times 8.0%<sup>(a)</sup>)</u>	(+)	<u>27,837,250</u>
Sub-Total		<u>83,768,890</u>
 C. Total Sales (A - B)		 <u><u>320,128,370</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: November 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 5,859,728.76
Oil Burned	(+)	298,376.93
Gas Burned	(+)	137,000.00
Net Fuel Related RTO Billing Line Items	(-)	(299,832.44)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	15,599.76
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	0.00
Sub-Total		<u>\$ 6,610,537.89</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 2,886,591.66
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	26,602.32
Less purchases above highest cost units	(-)	0.00
Sub-Total		<u>\$ 2,859,989.34</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 996,630.41</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 8,473,896.82</b>

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

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

**Expense Month: October 2018**

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.000851
2	Retail kWh Billed at Above Rate	(x)	<u>350,891,257</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 298,608.46</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	318,493,683
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>318,493,683</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 271,038.12
8	Over or (Under) (Line 3 - Line 7)		\$ 27,570.34
9	Total Sales (Schedule 3, Line C)	(-)	320,128,370
10	Kentucky Jurisdictional Sales	(+)	<u>320,128,370</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)	(+)	\$ 27,570.34
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 27,570.34</u></u>

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

**Expense Month: August 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 7,012,866.96
Oil Burned	(+)	179,851.12
Gas Burned	(+)	619,965.37
Net Fuel Related RTO Billing Line Items	(-)	(452,683.90)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	275,505.10
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	107,389.64
Sub-Total		<u>\$ 8,433,482.81</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 2,443,144.73
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	415,065.13
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 2,028,079.60</u>
<b>C. Non-Native Sales Fuel Costs</b>		\$ 270,389.87
<b>D. Total Fuel Costs (A + B - C)</b>		<u>\$ 10,191,172.54</u>
<b>E. Total Fuel Costs Previously Reported</b>		\$ 10,414,397.86
<b>F. Prior Period Adjustment</b>		\$ -
<b>G. Adjustment due to PJM Resettlements</b>		<u>\$ (223,225.32)</u>

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

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

<b>Expense Month:</b>		<b>June 2018 Dollars (\$)</b>	<b>July 2018 Dollars (\$)</b>	<b>Total Dollars (\$)</b>
<b>A. Company Generation</b>				
Coal Burned	(+)	2,517,860.78	7,264,513.08	
Oil Burned	(+)	409,004.42	134,362.64	
Gas Burned	(+)	\$1,180,059.98	\$1,542,630.13	
Net Fuel Related RTO Billing Line Items	(-)	1,985,670.16	(391,326.18)	
Fuel (assigned cost during Forced Outage(a))	(+)	493,488.28	102,904.34	
Fuel (substitute cost during Forced Outage(a))	(-)	22,127.68	20,416.83	
Sub-Total		<u>\$ 2,592,615.62</u>	<u>\$ 9,415,319.54</u>	
<b>B. Purchases</b>				
Economy Purchases	(+)	\$ 9,048,846.89	\$ 1,709,523.32	
Other Purchases	(+)	-	-	
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	644,582.57	188,666.84	
Less purchases above highest cost units	(-)	5,862.68	2,456.03	
Sub-Total		<u>\$ 8,398,401.64</u>	<u>\$ 1,518,400.45</u>	
<b>C. Non-Native Sales Fuel Costs</b>				
		\$254,854.61	\$927,566.66	
<b>D. Total Fuel Costs (A + B - C)</b>				
		<u>\$ 10,736,162.65</u>	<u>\$ 10,006,153.33</u>	
<b>E. Total Fuel Costs Previously Reported</b>				
		\$10,729,955.43	\$10,007,102.90	
<b>F. Prior Period Adjustment</b>				
		\$ -	\$ -	
<b>G. Adjustment due to PJM Resettlements</b>				
		<u>\$ 6,207.22</u>	<u>\$ (949.57)</u>	<u>\$ 5,257.65</u>

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



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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

December 21, 2018

Ms. Gwen R. Pinson, Executive Director

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

Dear Ms. Pinson:

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 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

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DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: November 2018

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 8,523,357.68	
2	Sales $S_m$ (Schedule 3, Line C)	÷ 302,546,150	0.028172
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005	(-)	0.023837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		0.004335

Effective Date for Billing: January 2, 2019

Submitted by: Theodore H. Gypik Jr

Title: Rates & Regulatory Strategy Manager

Date Submitted: December 21, 2018

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**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: November 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 5,859,729.72
Oil Burned	(+) 298,376.93
Gas Burned	(+) 137,000.00
Net Fuel Related RTO Billing Line Items	(-) (297,761.37)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 15,599.76
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) -
<u>Sub-Total</u>	<u>\$ 6,608,467.78</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 2,886,970.59
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 26,602.32
Less purchases above highest cost units	(-) -
<u>Sub-Total</u>	<u>\$ 2,860,368.27</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 1,020,329.93</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+) \$ 8,448,506.12 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-) \$ (158,307.45)
<b>F. Adjustment indicating the difference in actual fuel cost for the month of October 2018 and the estimated cost originally reported \$7,402,226.07 - \$7,470,985.58</b>	
(actual)                      (estimate)	(+) \$ (68,759.51)
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+) \$ (14,696.38)
<b>H. Prior Period Correction</b>	(+) \$ -
<b>I. Deferral of Current Purchased Power Costs</b>	(-) \$ -
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+) \$ -
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u><u>\$ 8,523,357.68</u></u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: November 2018**

		<b><u>Kilowatt-Hours Current Month</u></b>
A. Generation (Net)	(+)	296,828,000
<u>Purchases Including Interchange-In</u>	(+)	<u>75,347,290</u>
Sub-Total		<u>372,175,290</u>
 B. Pumped Storage Energy	 (+)	 -
Non-Native Sales Including Interchange Out	(+)	42,962,940
<u>System Losses (329,212,350 KWH times 8.1%<sup>(a)</sup>)</u>	(+)	<u>26,666,200</u>
Sub-Total		<u>69,629,140</u>
 C. Total Sales (A - B)		 <u><u>302,546,150</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: October 2018**

	<b><u>Dollars (\$)</u></b>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 6,170,880.97
Oil Burned	(+) 61,796.55
Gas Burned	(+) 336,950.00
Net Fuel Related RTO Billing Line Items	(-) (15,667.87)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 936,187.19
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) 169,363.57
Sub-Total	<b>\$ 7,352,119.01</b>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 2,483,080.66
Other Purchases	(+) 0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 1,606,960.62
Less purchases above highest cost units	(-) 0.00
Sub-Total	<b>\$ 876,120.04</b>
<b>C. Non-Native Sales Fuel Costs</b>	<b>\$ 826,012.98</b>
<b>D. Total Fuel Costs (A + B - C)</b>	<b>\$ 7,402,226.07</b>

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

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

**Expense Month: September 2018**

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.004050
2	Retail kWh Billed at Above Rate	(x)	299,838,035
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 1,214,344.04</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	338,926,293
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>338,926,293</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 1,372,651.49
8	Over or (Under) (Line 3 - Line 7)		\$ (158,307.45)
9	Total Sales (Schedule 3, Line C)	(-)	302,546,150
10	Kentucky Jurisdictional Sales	(+)	<u>302,546,150</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)	(+)	\$ (158,307.45)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (158,307.45)</u></u>

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

**Expense Month: July 2018**

		<b><u>Dollars (\$)</u></b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 7,264,513.08
Oil Burned	(+)	134,362.64
Gas Burned	(+)	1,542,630.13
Net Fuel Related RTO Billing Line Items	(-)	(392,275.75)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	102,904.34
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	20,416.83
Sub-Total		<b>\$ 9,416,269.11</b>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 1,709,523.32
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	188,666.84
Less purchases above highest cost units	(-)	2,456.03
Sub-Total		<b>\$ 1,518,400.45</b>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 927,566.66</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 10,007,102.90</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 10,021,799.28</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ (14,696.38)</b>

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



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Please contact me if you have any questions.

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A handwritten signature in black ink that reads 'Theodore H. Czupik Jr.' in a cursive script.

Theodore H. Czupik Jr.

Enclosure

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DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: October 2018

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 7,863,031.62	
2	Sales $S_m$ (Schedule 3, Line C)	÷ 318,493,683	0.024688
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005	(-)	0.023837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		0.000851

Effective Date for Billing: November 29, 2018

Submitted by: *Theodore H. Cypriote Jr.*

Title: Rates & Regulatory Strategy Manager

Date Submitted: November 19, 2018

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: October 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 6,170,882.46
Oil Burned	(+) 61,796.55
Gas Burned	(+) 336,950.00
Net Fuel Related RTO Billing Line Items	(-) (31,177.16)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 936,187.19
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) 140,017.89
<u>Sub-Total</u>	<u>\$ 7,396,975.47</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 2,480,118.40
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 1,606,960.62
Less purchases above highest cost units	(-) -
<u>Sub-Total</u>	<u>\$ 873,157.78</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 799,147.67</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+) \$ 7,470,985.58 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-) \$ (330,103.57)
<b>F. Adjustment indicating the difference in actual fuel cost for the month of September 2018 and the estimated cost originally reported \$9,438,766.66 - \$9,320,122.59</b>	
(actual)                      (estimate)	(+) \$ 118,644.07
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+) \$ (56,701.60)
<b>H. Prior Period Correction</b>	(+) \$ -
<b>I. Deferral of Current Purchased Power Costs</b>	(-) \$ -
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+) \$ -
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u>\$ 7,863,031.62</u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: October 2018**

			<b><u>Kilowatt-Hours Current Month</u></b>
A. Generation (Net)	(+)	320,607,000	
<u>Purchases Including Interchange-In</u>	(+)	<u>60,573,756</u>	
Sub-Total			<u>381,180,756</u>
 B. Pumped Storage Energy	(+)	-	
Non-Native Sales Including Interchange Out	(+)	34,991,970	
<u>System Losses (346,188,786 KWH times 8.0%</u>	(+)	<u>27,695,103</u>	
Sub-Total			<u>62,687,073</u>
 C. Total Sales (A - B)			<u><u>318,493,683</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: September 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 5,081,026.74
Oil Burned	(+)	496,138.17
Gas Burned	(+)	471,026.37
Net Fuel Related RTO Billing Line Items	(-)	(123,544.22)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	128,720.79
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	53,454.47
Sub-Total		<u>\$ 6,247,001.82</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 3,841,929.30
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	195,029.75
Less purchases above highest cost units	(-)	0.00
Sub-Total		<u>\$ 3,646,899.55</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 455,134.71</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 9,438,766.66</b>

.....

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

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

**Expense Month: August 2018**

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.005040
2	Retail kWh Billed at Above Rate	(x)	<u>323,609,966</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 1,630,994.23</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	389,106,706
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>389,106,706</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	1,961,097.80
8	Over or (Under) (Line 3 - Line 7)	\$	(330,103.57)
9	Total Sales (Schedule 3, Line C)	(-)	318,493,683
10	Kentucky Jurisdictional Sales	(÷)	<u>318,493,683</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)	(+)	\$ (330,103.57)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (330,103.57)</u></u>

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

**Expense Month: June 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 2,517,860.78
Oil Burned	(+)	409,004.42
Gas Burned	(+)	1,180,059.98
Net Fuel Related RTO Billing Line Items	(-)	1,991,877.38
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	493,488.28
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	22,127.68
Sub-Total		<u>\$ 2,586,408.40</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 9,048,846.89
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	644,582.57
Less purchases above highest cost units	(-)	5,862.68
Sub-Total		<u>\$ 8,398,401.64</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 254,854.61</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 10,729,955.43</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 10,786,657.03</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ (56,701.60)</b>

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



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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

October 19, 2018

Ms. Gwen R. Pinson, Executive Director

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

Dear Ms. Pinson:

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 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

RECEIVED

OCT 19 2018

PUBLIC SERVICE  
COMMISSION

**DUKE ENERGY KENTUCKY**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

OCT 19 2018

PUBLIC SERVICE  
COMMISSION

Expense Month:

September 2018

Line No.	Description	Amount	Rate (\$/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 9,451,618.16	
2	Sales $S_m$ (Schedule 3, Line C)	338,926,293	0.027887
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005	(-)	0.023837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>0.004050</u>

Effective Date for Billing:

October 29, 2018

Submitted by:

*Theodore H. Gypich*

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

October 19, 2018

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: September 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
Net Fuel Related RTO Billing Line Items	(-)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)
Sub-Total	<u>\$ 6,215,603.41</u>
<b>B. Purchases</b>	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 3,628,728.99</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 524,209.81</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+)
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-)
<b>F. Adjustment indicating the difference in actual fuel cost for the month of August 2018 and the estimated cost originally reported \$10,414,397.86 - \$10,430,386.57</b>	(+)
(actual) (estimate)	(15,988.71)
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+)
<b>H. Prior Period Correction</b>	(+)
<b>I. Deferral of Current Purchased Power Costs</b>	(-)
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+)
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u>\$ 9,451,618.16</u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: September 2018**

		<b><u>Kilowatt-Hours Current Month</u></b>
A. Generation (Net)	(+)	279,613,000
<u>Purchases Including Interchange-In</u>	(+)	<u>109,200,245</u>
Sub-Total		<u>388,813,245</u>
 B. Pumped Storage Energy	 (+)	 -
Non-Native Sales Including Interchange Out	(+)	20,415,100
<u>System Losses (368,398,145 KWH times 8.0%<sup>(a)</sup>)</u>	(+)	<u>29,471,852</u>
Sub-Total		<u>49,886,952</u>
 C. Total Sales (A - B)		 <u><u>338,926,293</u></u>

---

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: August 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 7,012,866.96
Oil Burned	(+) 179,851.12
Gas Burned	(+) 619,965.37
Net Fuel Related RTO Billing Line Items	(-) (440,011.39)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 37,063.63
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) 6,365.31
Sub-Total	<u>\$ 8,283,393.16</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 2,467,384.41
Other Purchases	(+) 0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 69,622.77
Less purchases above highest cost units	(-) 0.00
Sub-Total	<u>\$ 2,397,761.64</u>
<b>C. Non-Native Sales Fuel Costs</b>	<b>\$ 266,756.94</b>
<b>D. Total Fuel Costs (A + B - C)</b>	<b>\$ 10,414,397.86</b>

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

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

**Expense Month: July 2018**

Line No.	Description		
1	FAC Rate Billed (\$/kWh)	(+)	0.000321
2	Retail kWh Billed at Above Rate	(x)	<u>383,532,991</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 123,114.09</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	389,400,238
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>389,400,238</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 124,997.48
8	Over or (Under) (Line 3 - Line 7)		\$ (1,883.39)
9	Total Sales (Schedule 3, Line C)	(-)	338,926,293
10	Kentucky Jurisdictional Sales	(+)	<u>338,926,293</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)	(+)	\$ (1,883.39)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (1,883.39)</u></u>

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

**Expense Month: May 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ -
Oil Burned	(+)	-
Gas Burned	(+)	621,965.43
Net Fuel Related RTO Billing Line Items	(-)	791,951.84
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	-
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ (169,986.41)</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 12,374,290.34
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 12,374,290.34</u>
<b>C. Non-Native Sales Fuel Costs</b>		\$ -
<b>D. Total Fuel Costs (A + B - C)</b>		<u>\$ 12,204,303.94</u>
<b>E. Total Fuel Costs Previously Reported</b>		\$ 12,058,703.05
<b>F. Prior Period Adjustment</b>		\$ -
<b>G. Adjustment due to PJM Resettlements</b>		<u>\$ 145,600.89</u>

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



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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

RECEIVED

SEP 18 2018

PUBLIC SERVICE  
COMMISSION

September 18, 2018

Ms. Gwen R. Pinson, Executive Director  
**Attention: Matthew Baer**

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

Dear Ms. Pinson and Mr. Baer:

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 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

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DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

SEP 18 2018

Expense Month:

August 2018

PUBLIC SERVICE  
COMMISSION

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 11,236,416.37	
2	Sales $S_m$ (Schedule 3, Line C)	389,106,706	2.8877
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005		(-) 2.3837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		0.5040

Effective Date for Billing:

September 28, 2018

Submitted by:

*Theodore H. Crisp*

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

September 18, 2018

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: August 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 7,012,868.26
Oil Burned	(+) 179,851.12
Gas Burned	(+) 619,965.36
Net Fuel Related RTO Billing Line Items	(-) (373,800.55)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 9,326.84
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) -
<u>Sub-Total</u>	<u>\$ 8,195,812.13</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 2,507,288.78
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 9,591.79
Less purchases above highest cost units	(-) -
<u>Sub-Total</u>	<u>\$ 2,497,696.99</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 263,122.55</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+) \$ 10,430,386.57 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-) \$ 556.53
<b>F. Adjustment indicating the difference in actual fuel cost for the month of July 2018 and the estimated cost originally reported \$10,021,799.28 - \$9,992,178.66</b>	
(actual) (estimate)	(+) \$ 29,620.62
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+) \$ 776,965.71
<b>H. Prior Period Correction</b>	(+) \$ -
<b>I. Deferral of Current Purchased Power Costs</b>	(-) \$ -
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+) \$ -
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u><u>\$ 11,236,416.37</u></u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: August 2018**

			<b><u>Kilowatt-Hours Current Month</u></b>
A. Generation (Net)	(+)	366,220,980	
<u>Purchases Including Interchange-In</u>	(+)	<u>65,722,752</u>	
Sub-Total			<u>431,943,732</u>
 B. Pumped Storage Energy	 (+)	 -	
Non-Native Sales Including Interchange Out	(+)	8,541,440	
<u>System Losses (423,402,292 KWH times 8.1%<sup>(a)</sup>)</u>	(+)	<u>34,295,586</u>	
Sub-Total			<u>42,837,026</u>
 C. Total Sales (A - B)			 <u><u>389,106,706</u></u>

.....

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: July 2018**

		<b><u>Dollars (\$)</u></b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 7,264,513.08
Oil Burned	(+)	134,362.64
Gas Burned	(+)	1,542,630.15
Net Fuel Related RTO Billing Line Items	(-)	(385,797.27)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	111,142.05
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	20,416.83
Sub-Total		<b>\$ 9,418,028.36</b>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 1,726,905.02
Other Purchases	(+)	0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	197,431.49
Less purchases above highest cost units	(-)	2,456.03
Sub-Total		<b>\$ 1,527,017.50</b>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 923,246.58</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 10,021,799.28</b>

.....

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

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

**Expense Month: June 2018**

Line No.	Description		
1	FAC Rate Billed ( $\phi$ /kWh)	(+)	0.2723
2	Retail kWh Billed at Above Rate	(x)	<u>370,241,935</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 1,008,168.79</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	370,037,555
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>370,037,555</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 1,007,612.26
8	Over or (Under) (Line 3 - Line 7)		\$ 556.53
9	Total Sales (Schedule 3, Line C)	(-)	389,106,706
10	Kentucky Jurisdictional Sales	(÷)	<u>389,106,706</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)	(+)	\$ 556.53
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 556.53</u></u>

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

**Expense Month: April 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ -
Oil Burned	(+)	-
Gas Burned	(+)	298,000.01
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	468,412.10
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	-
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ (170,412.09)</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 10,137,607.26
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 10,137,607.26</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 0.03</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 9,967,195.14</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 9,190,229.43</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 776,965.71</b>

.....

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



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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

August 17, 2018

Ms. Gwen R. Pinson, Executive Director  
**Attention: Matthew Baer**

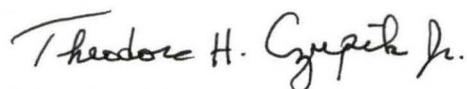
Kentucky Public Service Commission  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, Kentucky 40602-0615

Dear Ms. Pinson and Mr. Baer:

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 2018.

Please contact me if you have any questions.

Sincerely,

  
Theodore H. Czupik Jr.

Enclosure

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AUG 17 2018

PUBLIC SERVICE  
COMMISSION

**DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: July 2018

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 9,407,247.35	
2	Sales $S_m$ (Schedule 3, Line C)	+ 389,400,238	2.4158
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005	(-)	2.3837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>0.0321</u>

Effective Date for Billing:

August 29, 2018

Submitted by:

*Theodore H. Gupta Jr.*

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

August 17, 2018

**RECEIVED**

**AUG 17 2018**

PUBLIC SERVICE  
COMMISSION

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: July 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 7,264,512.18
Oil Burned	(+) 134,362.64
Gas Burned	(+) 1,542,630.00
Net Fuel Related RTO Billing Line Items	(-) (476,880.10)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 26,481.24
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) 19,894.91
<u>Sub-Total</u>	<u>\$ 9,424,971.25</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 1,547,872.41
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 49,226.20
Less purchases above highest cost units	(-) 2,465.64
<u>Sub-Total</u>	<u>\$ 1,496,180.57</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 928,973.16</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+) \$ 9,992,178.66 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-) \$ 613,353.93
<b>F. Adjustment indicating the difference in actual fuel cost for the month of June 2018 and the estimated cost originally reported \$10,786,657.03 - \$11,289,704.32</b>	
(actual)                      (estimate)	(+) \$ (503,047.29)
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+) \$ 531,469.91
<b>H. Prior Period Correction</b>	(+) \$ -
<b>I. Deferral of Current Purchased Power Costs</b>	(-) \$ -
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+) \$ -
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u><u>\$ 9,407,247.35</u></u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

DUKE ENERGY KENTUCKY  
SALES SCHEDULE

Expense Month: July 2018

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	396,565,790
<u>Purchases Including Interchange-In</u>	(+)	<u>45,972,965</u>
Sub-Total		<u>442,538,755</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	20,653,340
<u>System Losses (421,885,415 KWH times 7.7%<sup>(a)</sup>)</u>	(+)	<u>32,485,177</u>
Sub-Total		<u>53,138,517</u>
 C. Total Sales (A - B)		<u><u>389,400,238</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: June 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 2,517,860.78
Oil Burned	(+) 409,004.42
Gas Burned	(+) 1,180,060.00
Net Fuel Related RTO Billing Line Items	(-) 1,938,824.10
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 495,123.90
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) 22,127.68
Sub-Total	<u>\$ 2,641,097.32</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 9,049,398.95
Other Purchases	(+) 0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 646,334.87
Less purchases above highest cost units	(-) 5,862.68
Sub-Total	<u>\$ 8,397,201.40</u>
<b>C. Non-Native Sales Fuel Costs</b>	<b>\$ 251,641.69</b>
<b>D. Total Fuel Costs (A + B - C)</b>	<b><u>\$ 10,786,657.03</u></b>

.....

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

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

**Expense Month: May 2018**

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	1.2718
2	Retail kWh Billed at Above Rate	(x)	<u>396,117,644</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 5,037,824.20</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	347,890,413
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>347,890,413</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 4,424,470.27
8	Over or (Under) (Line 3 - Line 7)		\$ 613,353.93
9	Total Sales (Schedule 3, Line C)	(-)	389,400,238
10	Kentucky Jurisdictional Sales	(+)	<u>389,400,238</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)	(+)	\$ 613,353.93
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 613,353.93</u></u>

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

**Expense Month: March 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 272,811.66
Oil Burned	(+)	118,366.25
Gas Burned	(+)	418,297.61
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	117,105.62
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	-
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ 692,369.90</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 10,660,413.18
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 10,660,413.18</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 39,516.79</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 11,313,266.29</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 10,781,796.38</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 531,469.91</b>

-----

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



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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

July 20, 2018

Ms. Gwen R. Pinson, Executive Director  
**Attention: Matthew Baer**

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

Dear Ms. Pinson and Mr. Baer:

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 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

**RECEIVED**  
JUL 23 2018  
FINANCIAL ANALYSIS

**RECEIVED**  
JUL 20 2018  
PUBLIC SERVICE  
COMMISSION

RECEIVED

DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

JUL 20 2018

Expense Month:

June 2018

PUBLIC SERVICE  
COMMISSION

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 9,828,287.76	
2	Sales $S_m$ (Schedule 3, Line C)	+ 370,037,555	2.6560
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005		(-) 2.3837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>0.2723</u>

Effective Date for Billing:

July 31, 2018

Submitted by:

*Theodore H. Czapik Jr*

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

July 20, 2018

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: June 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
Net Fuel Related RTO Billing Line Items	(-)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)
Sub-Total	<u>\$ 2,347,968.24</u>
<b>B. Purchases</b>	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 9,121,431.54</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 179,695.46</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+)
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-)
<b>F. Adjustment indicating the difference in actual fuel cost for the month of May 2018 and the estimated cost originally reported \$12,058,703.05 - \$12,681,273.88</b>	(+)
(actual)                      (estimate)	(\$622,570.83)
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+)
<b>H. Prior Period Correction</b>	(+)
<b>I. Deferral of Current Purchased Power Costs</b>	(-)
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+)
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u><u>\$ 9,828,287.76</u></u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: June 2018**

		<u><b>Kilowatt-Hours Current Month</b></u>
A. Generation (Net)	(+)	175,189,300
<u>Purchases Including Interchange-In</u>	(+)	<u>231,253,798</u>
Sub-Total		<u>406,443,098</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	4,665,080
<u>System Losses (401,778,018 KWH times 7.9%<sup>(a)</sup>)</u>	(+)	<u>31,740,463</u>
Sub-Total		<u>36,405,543</u>
 C. Total Sales (A - B)		<u><u>370,037,555</u></u>

.....

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: May 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$0.00
Oil Burned	(+)	\$0.00
Gas Burned	(+)	\$621,965.43
Net Fuel Related RTO Billing Line Items	(-) \$	827,731.28
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$0.00
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		(\$205,765.85)
<b>B. Purchases</b>		
Economy Purchases	(+)	\$12,264,468.90
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$12,264,468.90
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$0.00</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$12,058,703.05</b>

.....

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

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

**Expense Month: April 2018**

Line No.	Description		
1	FAC Rate Billed ( $\phi$ /kWh)	(+)	1.0263
2	Retail kWh Billed at Above Rate	(x)	369,190,850
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 3,789,005.69</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	283,357,974
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>283,357,974</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 2,908,102.89
8	Over or (Under) (Line 3 - Line 7)		\$ 880,902.80
9	Total Sales (Schedule 3, Line C)	(-)	370,037,555
10	Kentucky Jurisdictional Sales	(+)	<u>370,037,555</u>
11	Ratio of Total Sales to KY Jurisdictional Sales (Line 9 $\div$ Line 10)		1.00000
12	Total Company Over or (Under) Recovery (Line 8 * Line 11)	(+)	\$ 880,902.80
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 880,902.80</u></u>

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

<b>Expense Month:</b>	<b>February 2018 Dollars (\$)</b>	
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 6,006,358.90
Oil Burned	(+)	153,313.44
Gas Burned	(+)	(6,931.05)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	-
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	536,068.49
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	(2,900.81)
Sub-Total		\$ 6,691,710.59
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 1,727,709.92
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	741,341.63
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 986,368.29
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 191,380.96</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 7,486,697.92</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 7,444,640.85</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 42,057.07</b>

.....

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



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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

**RECEIVED**  
JUN 19 2018  
FINANCIAL ANALYSIS

**RECEIVED**

**JUN 19 2018**

**PUBLIC SERVICE  
COMMISSION**

June 19, 2018

Ms. Gwen R. Pinson, Executive Director  
**Attention: Matthew Baer**

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

Dear Ms. Pinson and Mr. Baer:

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 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure



**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: May 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
Net Fuel Related RTO Billing Line Items	(-)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)
Sub-Total	\$ 520,183.40
<b>B. Purchases</b>	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)
Less purchases above highest cost units	(-)
Sub-Total	\$ 12,161,090.48
<b>C. Non-Native Sales Fuel Costs</b>	\$ -
<b>D. Total Fuel Costs (A + B - C)</b>	(+)
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-)
<b>F. Adjustment indicating the difference in actual fuel cost for the month of April 2018 and the estimated cost originally reported \$9,190,229.43 - \$9,520,528.25</b>	(+)
(actual)                      (estimate)	(\$330,298.82)
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+)
<b>H. Prior Period Correction</b>	(+)
<b>I. Deferral of Current Purchased Power Costs</b>	(-)
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+)
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	\$ 12,717,169.00

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: May 2018**

			<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	19,193,000	
<u>Purchases Including Interchange-In</u>	(+)	<u>357,311,776</u>	
Sub-Total			<u>376,504,776</u>
 B. Pumped Storage Energy	(+)	-	
Non-Native Sales Including Interchange Out	(+)	-	
<u>System Losses (376,504,776 KWH times 7.6%<sup>(a)</sup>)</u>	(+)	<u>28,614,363</u>	
Sub-Total			<u>28,614,363</u>
 C. Total Sales (A - B)			<u><u>347,890,413</u></u>

.....

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: April 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$0.00
Oil Burned	(+)	\$0.00
Gas Burned	(+)	\$298,000.01
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$478,752.75
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$0.00
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		(\$180,752.74)
<b>B. Purchases</b>		
Economy Purchases	(+)	\$9,370,950.02
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$9,370,950.02
<b>C. Non-Native Sales Fuel Costs</b>		<b>(\$32.15)</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$9,190,229.43</b>

.....

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

**Schedule 5**

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

**Expense Month: March 2018**

<b>Line No.</b>	<b>Description</b>		
1	FAC Rate Billed ( $\phi$ /kWh)	(+)	1.1033
2	Retail kWh Billed at Above Rate	(x)	297,021,419
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 3,277,037.32</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	318,397,259
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>318,397,259</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 3,512,876.96
8	Over or (Under) (Line 3 - Line 7)		\$ (235,839.64)
9	Total Sales (Schedule 3, Line C)	(-)	347,890,413
10	Kentucky Jurisdictional Sales	(+)	<u>347,890,413</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)	(+)	\$ (235,839.64)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (235,839.64)</u></u>

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

<b>Expense Month:</b>		<b>January 2018 Dollars (\$)</b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 7,496,211.17
Oil Burned	(+)	92,153.99
Gas Burned	(+)	2,911,200.01
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	218,472.30
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	26,991.12
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		\$ 10,308,083.99
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 2,481,745.79
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	35,857.86
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 2,445,887.93
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 1,552,170.76</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 11,201,801.16</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 11,071,446.86</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 130,354.30</b>

.....

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



58

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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

**RECEIVED**  
MAY 21 2018  
FINANCIAL ANALYSIS

May 21, 2018

Ms. Gwen R. Pinson, Executive Director  
**Attention: Matthew Baer**

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

RECEIVED

MAY 21 2018

PUBLIC SERVICE  
COMMISSION

Dear Ms. Pinson and Mr. Baer:

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 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

**DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: April 2018

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>	<u>Rate (¢/kWh)</u>
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 9,662,435.04	
2	Sales $S_m$ (Schedule 3, Line C)	÷ 283,357,974	3.4100
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005		(-) <u>2.3837</u>
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u><u>1.0263</u></u>

Effective Date for Billing: May 31, 2018

Submitted by: *Theodora H. Gypch Jr.*

Title: Rates & Regulatory Strategy Manager

Date Submitted: May 21, 2018

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: April 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)
Sub-Total	<u>\$ 172,274.09</u>
<b>B. Purchases</b>	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 9,348,472.44</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 218.28</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+)
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-)
<b>F. Adjustment indicating the difference in actual fuel cost for the month of March 2018 and the estimated cost originally reported \$10,781,796.38 - \$10,704,918.91</b>	(+)
(actual)                      (estimate)	\$76,877.47
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+)
<b>H. Prior Period Correction</b>	(+)
<b>I. Deferral of Current Purchased Power Costs</b>	(-)
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+)
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u><u>\$ 9,662,435.04</u></u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: April 2018**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	8,315,400
<u>Purchases Including Interchange-In</u>	(+)	<u>299,022,580</u>
Sub-Total		<u>307,337,980</u>
 B. Pumped Storage Energy	 (+)	 -
Non-Native Sales Including Interchange Out	(+)	8,290
<u>System Losses (307,329,690 KWH times 7.8%<sup>(a)</sup>)</u>	(+)	<u>23,971,716</u>
Sub-Total		<u>23,980,006</u>
 C. Total Sales (A - B)		 <u><u>283,357,974</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: March 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$272,811.66
Oil Burned	(+)	\$118,366.25
Gas Burned	(+)	\$418,297.61
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$117,105.62
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$0.00
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		\$692,369.90
<b>B. Purchases</b>		
Economy Purchases	(+)	\$10,129,654.32
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$10,129,654.32
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$40,227.84</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$10,781,796.38</b>

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

**Schedule 5**

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

**Expense Month: February 2018**

<b>Line No.</b>	<b>Description</b>		
1	FAC Rate Billed ( $\phi$ /kWh)	(+)	0.1000
2	Retail kWh Billed at Above Rate	(x)	<u>314,716,470</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 314,716.47</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	296,114,070
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>296,114,070</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 296,114.07
8	Over or (Under) (Line 3 - Line 7)		\$ 18,602.40
9	Total Sales (Schedule 3, Line C)	(-)	283,357,974
10	Kentucky Jurisdictional Sales	(+)	<u>283,357,974</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)	(+)	\$ 18,602.40
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 18,602.40</u></u>

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

<b>Expense Month:</b>	<b>December 2017</b>	
	<b><u>Dollars (\$)</u></b>	
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 6,652,531.08
Oil Burned	(+)	219,998.46
Gas Burned	(+)	303,000.01
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	91,601.99
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	756,305.22
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		\$ 7,840,232.78
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 2,558,576.87
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	1,183,745.98
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 1,374,830.89
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 634,376.77</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 8,580,686.90</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 8,497,055.18</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 83,631.72</b>

.....

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



FA

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APR 23 2018  
FINANCIAL ANALYSIS

Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

April 20, 2018

Ms. Gwen R. Pinson, Executive Director  
**Attention: Matthew Baer**

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

Dear Ms. Pinson and Mr. Baer:

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 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

RECEIVED

APR 20 2018

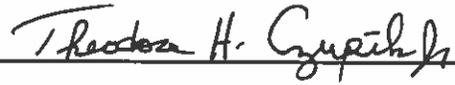
PUBLIC SERVICE  
COMMISSION

DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: March 2018

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 11,102,523.13	
2	Sales $S_m$ (Schedule 3, Line C)	+ 318,397,259	3.4870
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005	(-)	2.3837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>1.1033</u>

Effective Date for Billing: May 1, 2018

Submitted by: 

Title: Rates & Regulatory Strategy Manager

Date Submitted: April 20, 2018

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: March 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 272,812.20
Oil Burned	(+)	118,366.25
Gas Burned	(+)	418,297.62
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	117,105.62
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	-
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
<u>Sub-Total</u>		<u>\$ 692,370.45</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 10,052,776.36
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	-
Less purchases above highest cost units	(-)	-
<u>Sub-Total</u>		<u>\$ 10,052,776.36</u>
<b>C. Non-Native Sales Fuel Costs</b>		<u>\$ 40,227.90</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+)	\$ 10,704,918.91 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-)	\$ (267,838.85)
<b>F. Adjustment indicating the difference in actual fuel cost for the month of February 2018 and the estimated cost originally reported \$7,444,640.85 - \$7,394,633.36</b>		
(actual)                      (estimate)	(+)	\$50,007.49
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+)	\$ 79,757.88
<b>H. Prior Period Correction</b>	(+)	\$ -
<b>I. Deferral of Current Purchased Power Costs</b>	(-)	\$ -
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+)	\$ -
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>		<u><u>\$ 11,102,523.13</u></u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: March 2018**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	24,510,000
<u>Purchases Including Interchange-In</u>	(+)	<u>322,578,010</u>
Sub-Total		<u>347,088,010</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	2,128,900
<u>System Losses (344,959,110 KWH times 7.7% <sup>(a)</sup>)</u>	(+)	<u>26,561,851</u>
Sub-Total		<u>28,690,751</u>
 C. Total Sales (A - B)		<u><u>318,397,259</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: February 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$6,006,358.90
Oil Burned	(+)	\$153,313.44
Gas Burned	(+)	(\$6,931.05)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$0.00
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$531,762.17
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	(\$2,900.81)
Sub-Total		\$6,687,404.27
<b>B. Purchases</b>		
Economy Purchases	(+)	\$1,693,893.29
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$735,817.44
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$958,075.85
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$200,839.27</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$7,444,640.85</b>

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

Schedule 5

DUKE ENERGY KENTUCKY  
OVER OR (UNDER) RECOVERY SCHEDULE

Expense Month: January 2018

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	0.3751
2	Retail kWh Billed at Above Rate	(x)	<u>310,299,127</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 1,163,932.03</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	381,703,779
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>381,703,779</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	1,431,770.88
8	Over or (Under) (Line 3 - Line 7)	\$	(267,838.85)
9	Total Sales (Schedule 3, Line C)	(-)	318,397,259
10	Kentucky Jurisdictional Sales	(+)	<u>318,397,259</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)	(+) \$	(267,838.85)
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ (267,838.85)</u></u>

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

<b>Expense Month:</b>	<b>November 2017</b>	
	<b><u>Dollars (\$)</u></b>	
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 7,334,312.54
Oil Burned	(+)	167,287.97
Gas Burned	(+)	(1,033.50)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	21,433.76
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	69,104.37
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<b>\$ 7,548,237.62</b>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 1,501,544.23
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	117,858.18
Less purchases above highest cost units	(-)	-
Sub-Total		<b>\$ 1,383,686.05</b>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 1,299,041.94</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 7,632,881.73</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 7,553,123.85</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 79,757.88</b>

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



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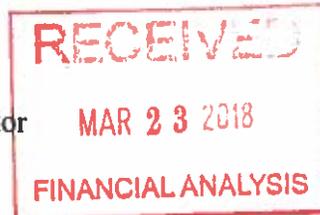
Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

March 23, 2018

Ms. Gwen R. Pinson, Executive Director  
Attention: **Matthew Baer**

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



RECEIVED

MAR 21 2018

PUBLIC SERVICE  
COMMISSION

Dear Ms. Pinson and Mr. Baer:

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 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: February 2018

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 7,354,447.18	
2	Sales $S_m$ (Schedule 3, Line C)	+ 296,114,070	2.4837
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005	(-)	2.3837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>0.1000</u>

Effective Date for Billing: April 2, 2018

Submitted by: Theodore H. Gyepik Jr.

Title: Rates & Regulatory Strategy Manager

Date Submitted: March 22, 2018

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MAR 21 2018  
PUBLIC SERVICE  
COMMISSION

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: February 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)
Sub-Total	<u>\$ 6,675,998.46</u>
<b>B. Purchases</b>	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 925,920.71</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 207,285.81</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+)
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-)
<b>F. Adjustment indicating the difference in actual fuel cost for the month of January 2018 and the estimated cost originally reported \$11,071,446.86 - \$11,034,276.46</b>	(+)
(actual) (estimate)	\$37,170.40
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+)
<b>H. Prior Period Correction</b>	(+)
<b>I. Deferral of Current Purchased Power Costs</b>	(-)
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+)
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u>\$ 7,354,447.18</u>

Note: <sup>(a)</sup> Forced Outage as defined in 807 KAR 5.056.

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: February 2018**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	269,232,000
<u>Purchases Including Interchange-In</u>	(+)	<u>61,892,660</u>
Sub-Total		<u>331,124,660</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	9,261,540
<u>System Losses (321,863,120 KWH times 8.0% <sup>(a)</sup>)</u>	(+)	<u>25,749,050</u>
Sub-Total		<u>35,010,590</u>
 C. Total Sales (A - B)		<u><u>296,114,070</u></u>

.....

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: January 2018**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$7,496,211.16
Oil Burned	(+)	\$92,153.99
Gas Burned	(+)	\$2,911,200.01
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$218,472.30
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$26,970.36
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		<u>\$10,308,063.22</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$2,393,515.89
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$35,823.44
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$2,357,692.45</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$1,594,308.81</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b><u>\$11,071,446.86</u></b>

.....

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

**Schedule 5**

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

**Expense Month: December 2017**

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	0.0186
2	Retail kWh Billed at Above Rate	(x)	<u>330,112,572</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 61,400.94</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	353,509,454
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>353,509,454</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 65,752.76
8	Over or (Under) (Line 3 - Line 7)		\$ (4,351.82)
9	Total Sales (Schedule 3, Line C)	(-)	296,114,070
10	Kentucky Jurisdictional Sales	(+)	<u>296,114,070</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)	(+)	\$ (4,351.82)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (4,351.82)</u></u>

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

<b>Expense Month:</b>		<b>October 2017 Dollars (\$)</b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 7,229,507.28
Oil Burned	(+)	167,018.69
Gas Burned	(+)	98,550.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	108,161.33
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	88,925.73
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ 7,475,840.37</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 1,590,373.08
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	135,833.78
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 1,454,539.30</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 1,810,642.46</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 7,119,737.21</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 7,201,445.61</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ (81,708.40)</b>

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



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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

FA

**VIA OVERNIGHT DELIVERY**

February 19, 2018

Ms. Gwen R. Pinson, Executive Director  
**Attention: Matthew Baer**

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

Dear Ms. Pinson and Mr. Baer:

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 2018.

Please note on Schedule 7 of the filing, a prior period adjustment in the amount of (\$180,128.84), which is necessary because an incorrect FAC rate was used in billing for the month of January 2018.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

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FEB 16 2018

PUBLIC SERVICE  
COMMISSION

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FEB 16 2018  
FINANCIAL ANALYSIS

**DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: January 2018

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 10,530,505.88	
2	Sales $S_m$ (Schedule 3, Line C) +	381,703,779	2.7588
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2017-00005	(-)	2.3837
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>0.3751</u>

Effective Date for Billing:

March 1, 2018

Submitted by:

*Theodore H. Gypch Jr*

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

February 19, 2018

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: January 2018**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 7,496,211.49
Oil Burned	(+) 92,153.99
Gas Burned	(+) 2,911,200.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-) 206,758.73
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 27,613.42
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) -
Sub-Total	<u>\$ 10,320,420.17</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 2,384,092.19
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 35,823.55
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 2,348,268.64</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 1,634,412.35</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+) \$ 11,034,276.46 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-) \$ 388,950.20
<b>F. Adjustment indicating the difference in actual fuel cost for the month of December 2017 and the estimated cost originally reported \$8,497,055.18 - \$8,430,206.73</b>	
(actual) (estimate)	(+) \$ 66,848.45
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+) \$ (1,539.99)
<b>H. Prior Period Correction</b>	(+) \$ (180,128.84)
<b>I. Deferral of Current Purchased Power Costs</b>	(-) \$ -
<b>J. Amount of Deferred Purchased Power Costs included in the filing</b>	(+) \$ -
<b>K. Grand Total Fuel Cost (D - E + F + G + H - I + J)</b>	<u>\$ 10,530,505.88</u>

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

<sup>(b)</sup> Estimated - to be trued up in the filing next month

**DUKE ENERGY KENTUCKY  
SALES SCHEDULE**

**Expense Month: January 2018**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	411,882,000
<u>Purchases Including Interchange-In</u>	(+)	<u>29,640,370</u>
Sub-Total		<u>441,522,370</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	27,975,480
<u>System Losses (413,546,890 KWH times 7.7% <sup>(a)</sup>)</u>	(+)	<u>31,843,111</u>
Sub-Total		<u>59,818,591</u>
 C. Total Sales (A - B)		<u><u>381,703,779</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: December 2017**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$6,652,531.08
Oil Burned	(+)	\$219,998.46
Gas Burned	(+)	\$303,000.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$91,601.99
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$746,983.62
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		<u>\$7,830,911.17</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$2,506,513.26
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$1,170,768.49
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$1,335,744.77</u>
<b>C. Non-Native Sales Fuel Costs</b>		\$669,600.76
<b>D. Total Fuel Costs (A + B - C)</b>		<u>\$8,497,055.18</u>

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

**Schedule 5**

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

**Expense Month: November 2017**

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	0.2058
2	Retail kWh Billed at Above Rate	(x)	<u>487,874,567</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 1,004,045.86</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	298,880,302
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>298,880,302</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	615,095.66
8	Over or (Under) (Line 3 - Line 7)	\$	388,950.20
9	Total Sales (Schedule 3, Line C)	(-)	381,703,779
10	Kentucky Jurisdictional Sales	(+)	<u>381,703,779</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)	(+) \$	388,950.20
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ 388,950.20</u></u>

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

<b>Expense Month:</b>	<b>September 2017</b>	
	<b><u>Dollars (\$)</u></b>	
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 7,067,052.11
Oil Burned	(+)	135,606.95
Gas Burned	(+)	80,840.01
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	50,448.63
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	798,431.16
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	15,863.58
Sub-Total		\$ 8,015,618.02
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 2,056,928.92
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	1,332,555.63
Less purchases above highest cost units	(-)	6,628.96
Sub-Total		\$ 717,744.33
<b>C. Non-Native Sales Fuel Costs</b>		\$ 949,500.37
<b>D. Total Fuel Costs (A + B - C)</b>		\$ 7,783,861.98
<b>E. Total Fuel Costs Previously Reported</b>		\$ 7,785,401.97
<b>F. Prior Period Adjustment</b>		\$ -
<b>G. Adjustment due to PJM Resettlements</b>		\$ (1,539.99)

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

**DUKE ENERGY KENTUCKY  
PRIOR PERIOD CORRECTIONS**

**Expense Month: November 2017**

Line No.	Description		
1	FAC Rate Filed (¢/kWh)	(+)	0.2058
2	FAC Rate Billed (¢/kWh)	(-)	<u>0.2508</u>
3	FAC Rate Variance Owed to Customers (¢/kWh)		(0.0450)
4	Retail kWh Billed in January 2018	(x)	<u>400,286,305</u>
5	FAC Revenue/(Refund) (Line 3 * Line 4)		<u>\$ (180,128.84)</u>