









**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: August 2016**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$9,237,045.21
Oil Burned	(+)	\$93,929.31
Gas Burned	(+)	\$469,584.35
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$178,097.98
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$52,759.27
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$4,729.51
Sub-Total		<u>\$9,670,490.65</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$1,960,092.14
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$48,029.76
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$1,912,062.38</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$110,735.64</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b><u>\$11,471,817.39</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: July 2016

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.2730)
2	Retail kWh Billed at Above Rate	(x)	401,221,963
3	FAC Revenue/(Refund) (Line 1 * Line 2)	\$	(1,095,335.96)
4	kWh Used to Determine Last FAC Rate Billed	(+)	403,838,803
5	Non-Jurisdictional kWh included in Line 4	(-)	-
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		403,838,803
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(1,102,479.93)
8	Over or (Under) (Line 3 - Line 7)	\$	7,143.97
9	Total Sales (Schedule 3, Line C)	(-)	355,291,100
10	Kentucky Jurisdictional Sales	(+)	355,291,100
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)	(+) \$	7,143.97
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery	\$	7,143.97

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

<b>Expense Month:</b>	<b>May 2016 Dollars (\$)</b>	
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 4,818,148.58
Oil Burned	(+)	439,774.00
Gas Burned	(+)	58,402.81
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	18,817.21
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	31,881.85
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ 5,329,390.03</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 3,695,010.83
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	31,881.85
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 3,663,128.98</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 695,636.51</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 8,296,882.49</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 8,303,726.03</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ (6,843.54)</b>

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



*Handwritten initials*

FA

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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**

SEP 19 2016

September 19, 2016

Aaron Greenwell, Acting Executive Director  
**Attention: Chris Whelan**

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

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SEP 19 2016

PUBLIC SERVICE  
COMMISSION

Dear Mr. Greenwell and Ms. Whelan:

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 2016.

Please note on Schedule 7 of the filing, a prior period adjustment in the amount of \$332.50, which is related to the month of July 2015.

Please contact me if you have any questions.

Sincerely,

*Theodore H. Czupik Jr.*

Theodore H. Czupik Jr.

Enclosure



**DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: August 2016

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 11,661,768.47	
2	Sales $S_m$ (Schedule 3, Line C)	+ 425,271,855	2.7422
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2014-00454	(-)	2.9117
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>(0.1695)</u>

Effective Date for Billing:

September 29, 2016

Submitted by:

Theodore H. Cypitz Jr.

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

September 19, 2016

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: August 2016**

	<b>Dollars (\$)</b>
<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>\$ 9,707,202.45</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>\$ 1,852,205.31</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 118,306.33</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 July 2016 and the estimated cost originally reported \$10,478,743.85 - \$10,395,164.95</b>	(+)
(actual) (estimate)	\$83,578.90
<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>\$ 11,661,768.47</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 2016**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	416,111,000
<u>Purchases Including Interchange-In</u>	(+)	<u>49,640,090</u>
Sub-Total		<u>465,751,090</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	4,501,790
<u>System Losses (461,249,300 KWH times 7.8% <sup>(a)</sup>)</u>	(+)	<u>35,977,445</u>
Sub-Total		<u>40,479,235</u>
 C. Total Sales (A - B)		<u><u>425,271,855</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: July 2016**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$8,566,704.25
Oil Burned	(+)	\$80,240.76
Gas Burned	(+)	\$444,341.80
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$424,726.19
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$77,327.94
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$22,726.33
Sub-Total		<u>\$8,721,162.23</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$2,063,514.65
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$108,378.83
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$1,955,135.82</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$197,554.20</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b><u>\$10,478,743.85</u></b>

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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: June 2016

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.4171)
2	Retail kWh Billed at Above Rate	(x)	<u>404,538,700</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,687,330.92)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	373,497,496
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>373,497,496</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (1,557,858.06)
8	Over or (Under) (Line 3 - Line 7)		\$ (129,472.86)
9	Total Sales (Schedule 3, Line C)	(-)	425,271,855
10	Kentucky Jurisdictional Sales	(+)	<u>425,271,855</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)	(+)	\$ (129,472.86)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (129,472.86)</u></u>

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

<b>Expense Month:</b>		<b>April 2016 Dollars (\$)</b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ (3,473.00)
Oil Burned	(+)	3,473.00
Gas Burned	(+)	208,736.04
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	71,815.40
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	-
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ 136,920.64</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 8,787,254.52
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 8,787,254.52</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ (409.03)</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 8,924,584.19</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 8,917,301.42</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 7,282.77</b>

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

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

<b>Expense Month:</b>		<b>July 2015 Dollars (\$)</b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$9,627,329.20
Oil Burned	(+)	103,120.00
Gas Burned	(+)	\$595,176.42
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	155,805.12
Fuel (assigned cost during Forced Outage(a))	(+)	316,190.31
<u>Fuel (substitute cost during Forced Outage(a))</u>	(-)	<u>60,235.54</u>
Sub-Total		<u>\$ 10,425,775.27</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$1,139,889.40
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage(a))	(-)	335,116.97
<u>Less purchases above highest cost units</u>	(-)	<u>-</u>
Sub-Total		<u>\$ 804,772.43</u>
<b>C. Non-Native Sales Fuel Costs</b>		
		\$644,151.13
<b>D. Total Fuel Costs (A + B - C)</b>		
		<u>\$ 10,586,396.57</u>
<b>E. Total Fuel Costs Previously Reported</b>		
		\$10,586,064.07
<b>F. Prior Period Adjustment</b>		
		\$ -
<b>G. Adjustment due to PJM Resettlements</b>		
		<u>\$ 332.50</u>

.....

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



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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

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AUG 18 2016  
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**VIA OVERNIGHT DELIVERY**

August 19, 2016

Aaron Greenwell, Acting Executive Director  
**Attention: Chris Whelan**

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

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AUG 18 2016

PUBLIC SERVICE  
COMMISSION

Dear Mr. Greenwell and Ms. Whelan:

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 2016.

Please contact me if you have any questions.

Sincerely,

*Theodore H. Czupik Jr.*

Theodore H. Czupik Jr.

Enclosure



**DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: July 2016

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>	<u>Rate (¢/kWh)</u>
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 10,656,229.24	
2	Sales $S_m$ (Schedule 3, Line C)	+ 403,838,803	2.6387
3	Base Fuel Rate ( $F_v/S_b$ ) per PSC Order in Case No. 2014-00454	(-)	<u>2.9117</u>
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u><u>(0.2730)</u></u>

Effective Date for Billing: August 30, 2016

Submitted by: *Theodore H. Gypke Jr*

Title: Rates & Regulatory Strategy Manager

Date Submitted: August 19, 2016

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: July 2016**

	<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> )	(+)
<u>Sub-Total</u>	(-)
	<u>\$ 8,857,276.63</u>
<b>B. Purchases</b>	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)
<u>Less purchases above highest cost units</u>	(-)
<u>Sub-Total</u>	(-)
	<u>\$ 1,826,512.00</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 288,623.68</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 June 2016 and the estimated cost originally reported \$9,527,922.26 - \$9,501,853.19</b>	(+)
(actual) (estimate)	\$26,069.07
<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>\$ 10,656,229.24</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 2016**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	394,784,000
<u>Purchases Including Interchange-In</u>	(+)	<u>53,399,240</u>
Sub-Total		<u>448,183,240</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	11,600,750
<u>System Losses (436,582,490 KWH times 7.5% <sup>(a)</sup>)</u>	(+)	<u>32,743,687</u>
Sub-Total		<u>44,344,437</u>
 C. Total Sales (A - B)		<u><u>403,838,803</u></u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: June 2016**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$7,152,112.93
Oil Burned	(+)	\$105,781.76
Gas Burned	(+)	\$85,130.63
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$0.00
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$588,841.43
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$5,583.69
Sub-Total		<u>\$7,926,283.06</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$2,560,855.45
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$706,736.67
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$1,854,118.78</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$252,479.58</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b><u>\$9,527,922.26</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 2016**

Line No.	Description		
1	FAC Rate Billed ( $\phi$ /kWh)	(+)	(0.2845)
2	Retail kWh Billed at Above Rate	(x)	<u>381,342,953</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,084,920.70)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	312,655,609
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>312,655,609</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(889,505.21)
8	Over or (Under) (Line 3 - Line 7)	\$	(195,415.49)
9	Total Sales (Schedule 3, Line C)	(-)	403,838,803
10	Kentucky Jurisdictional Sales	(+)	<u>403,838,803</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)	(+) \$	(195,415.49)
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ (195,415.49)</u></u>

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

<b>Expense Month:</b>		<b>March 2016 Dollars (\$)</b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 4,980,578.02
Oil Burned	(+)	82,606.00
Gas Burned	(+)	327.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	37,202.09
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	1,823.80
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
<u>Sub-Total</u>		<u>\$ 5,028,132.73</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 2,781,930.84
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	1,823.80
<u>Less purchases above highest cost units</u>	(-)	-
<u>Sub-Total</u>		<u>\$ 2,780,107.04</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 226,873.49</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 7,581,366.28</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 7,541,786.55</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 39,579.73</b>

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



FA

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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

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JUL 22 2016  
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**VIA OVERNIGHT DELIVERY**

July 22, 2016

Aaron Greenwell, Acting Executive Director  
Attention: **Chris Whelan**

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

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JUL 22 2016

PUBLIC SERVICE  
COMMISSION

Dear Mr. Greenwell and Ms. Whelan:

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 2016.

Please note on Schedule 7 of the filing, a prior period adjustment in the amount of (\$102,532.64), which is related to PJM resettlements for the months of November 2014, December 2014 and January 2016.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

**DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: June 2016

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 9,317,432.51	
2	Sales $S_m$ (Schedule 3, Line C)	+ 373,497,496	2.4946
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2014-00454	(-)	2.9117
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>(0.4171)</u>

Effective Date for Billing:

August 1, 2016

Submitted by:

Theodore H. Guepik Jr.

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

July 22, 2016



**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: June 2016**

	<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	\$ 7,927,693.19
<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	\$ 1,852,339.41
<b>C. Non-Native Sales Fuel Costs</b>	\$ 278,179.41
<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 2016 and the estimated cost originally reported \$8,303,726.03 - \$8,315,372.16</b>	(+)
(actual)                      (estimate)	(\$11,646.13)
<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>	\$ 9,317,432.51

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 2016**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	323,622,500
<u>Purchases Including Interchange-In</u>	(+)	<u>88,474,810</u>
Sub-Total		<u>412,097,310</u>
 B. Pumped Storage Energy	(+)	 -
Non-Native Sales Including Interchange Out	(+)	11,778,450
<u>System Losses (400,318,860 KWH times 6.7% <sup>(a)</sup>)</u>	(+)	<u>26,821,364</u>
Sub-Total		<u>38,599,814</u>
 C. Total Sales (A - B)		 <u>373,497,496</u>

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: May 2016**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$4,818,148.58
Oil Burned	(+)	\$439,774.00
Gas Burned	(+)	\$58,402.83
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$18,817.21
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$31,960.61
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		<u>\$5,329,468.81</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$3,707,199.47
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$31,960.61
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$3,675,238.86</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$700,981.64</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b><u>\$8,303,726.03</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: April 2016**

Line No.	Description		
1	FAC Rate Billed ( $\phi$ /kWh)	(+)	0.1677
2	Retail kWh Billed at Above Rate	(x)	<u>342,157,728</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 573,798.51</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	297,732,611
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>297,732,611</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 499,297.59
8	Over or (Under) (Line 3 - Line 7)		\$ 74,500.92
9	Total Sales (Schedule 3, Line C)	(-)	373,497,496
10	Kentucky Jurisdictional Sales	(+)	<u>373,497,496</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)	(+)	\$ 74,500.92
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 74,500.92</u></u>

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

<b>Expense Month:</b>		<b>February 2016 Dollars (\$)</b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$ 7,462,044.28
Oil Burned	(+)	62,906.00
Gas Burned	(+)	81,625.16
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	76,531.38
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	9,862.59
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ 7,539,906.65</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 816,666.13
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	9,862.59
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 806,803.54</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$ 158,898.81</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 8,187,811.38</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 8,183,552.37</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 4,259.01</b>

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

DUKE ENERGY KENTUCKY  
PRIOR PERIOD CORRECTIONS  
FUEL COST SCHEDULE

Expense Month:	January 2016 Dollars (\$)	November 2014 Dollars (\$)	December 2014 Dollars (\$)	Total Dollars (\$)
<b>A. Company Generation</b>				
Coal Burned (+)	\$8,935,864.60	8,551,190.93	7,408,442.18	
Oil Burned (+)	81,233.00	74,829.00	155,165.81	
Gas Burned (+)	\$319,380.52	\$184,372.92	\$8,979.31	
PJM Balancing & Day Ahead Operating Reserve Credit (-)	101,863.82	27,581.05	-	
Fuel (assigned cost during Forced Outage <sup>(a)</sup> ) (+)	154,596.67	3.63	100,592.69	
Fuel (substitute cost during Forced Outage <sup>(a)</sup> ) (-)	-	-	12,155.65	
<b>Sub-Total</b>	<b>\$ 9,389,210.97</b>	<b>\$ 8,782,815.43</b>	<b>\$ 7,661,024.34</b>	
<b>B. Purchases</b>				
Economy Purchases (+)	\$ 933,594.04	\$ 242,471.56	\$ 1,564,435.71	
Other Purchases (+)	-	-	-	
Other Purchases (substitute for Forced Outage <sup>(a)</sup> ) (-)	196,902.29	6.09	135,681.25	
Less purchases above highest cost units (-)	-	-	-	
<b>Sub-Total</b>	<b>\$ 736,691.75</b>	<b>\$ 242,465.47</b>	<b>\$ 1,428,754.46</b>	
<b>C. Non-Native Sales Fuel Costs</b>	\$419,202.73	\$1,021,591.40	\$497,820.83	
<b>D. Total Fuel Costs (A + B - C)</b>	<b>\$ 9,706,699.99</b>	<b>\$ 8,003,689.50</b>	<b>\$ 8,591,957.97</b>	
<b>E. Total Fuel Costs Previously Reported</b>	\$9,346,143.60	\$8,215,813.01	\$8,842,923.49	
<b>F. Prior Period Adjustment</b>	\$ -	\$ -	\$ -	
<b>G. Adjustment due to PJM Resettlements</b>	<b>\$ 360,556.39</b>	<b>\$ (212,123.51)</b>	<b>\$ (250,965.52)</b>	<b>\$ (102,532.64)</b>

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



*THC*

FA

139 East Fourth Street  
P.O. Box 960  
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Tel: 513-287-2348  
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ted.czupik@duke-energy.com

Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

JUN 09 2016

**VIA OVERNIGHT DELIVERY**

**RECEIVED**

June 10, 2016

JUN 9 2016

Aaron Greenwell, Acting Executive Director  
**Attention: Chris Whelan**

PUBLIC SERVICE  
COMMISSION

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

Dear Mr. Greenwell and Ms. Whelan:

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 2016.

Due to an IT issue, information for Schedule 6, Regional Transmission Organization Resettlements, for the month of January 2016, was not available. It is anticipated that this information will be included in the FAC schedules filed in July, applicable to billings for retail sales in August 2016.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

**DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: May 2016

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 8,214,228.45	
2	Sales $S_m$ (Schedule 3, Line C)	+ 312,655,609	2.6272
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2014-00454	(-)	<u>2.9117</u>
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u><u>(0.2845)</u></u>

Effective Date for Billing:

June 30, 2016

Submitted by:

*Theodore H. Gypseth Jr.*

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

June 10, 2016



**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: May 2016**

	<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>\$ 5,348,504.18</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>\$ 3,683,101.57</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 716,233.59</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 April 2016 and the estimated cost originally reported \$8,917,301.42 - \$8,863,563.40</b>	(+)
(actual)                      (estimate)	
<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>\$ 8,214,228.45</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: May 2016**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	216,638,000
<u>Purchases Including Interchange-In</u>	(+)	<u>145,988,620</u>
Sub-Total		<u>362,626,620</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	28,592,850
<u>System Losses (334,033,770 KWH times 6.4% <sup>(a)</sup>)</u>	(+)	<u>21,378,161</u>
Sub-Total		<u>49,971,011</u>
 C. Total Sales (A - B)		<u><u>312,655,609</u></u>

.....

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: April 2016**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$0.00
Oil Burned	(+)	\$3,473.41
Gas Burned	(+)	\$205,262.63
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$71,815.40
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$0.00
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		\$136,920.64
<b>B. Purchases</b>		
Economy Purchases	(+)	\$8,779,971.75
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		\$8,779,971.75
<b>C. Non-Native Sales Fuel Costs</b>		(\$409.03)
<b>D. Total Fuel Costs (A + B - C)</b>		\$8,917,301.42

.....

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 2016

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.4975)
2	Retail kWh Billed at Above Rate	(x)	280,465,690
3	FAC Revenue/(Refund) (Line 1 * Line 2)	\$	(1,395,316.81)
4	kWh Used to Determine Last FAC Rate Billed	(+)	311,597,696
5	Non-Jurisdictional kWh included in Line 4	(-)	-
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		311,597,696
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(1,550,198.54)
8	Over or (Under) (Line 3 - Line 7)	\$	154,881.73
9	Total Sales (Schedule 3, Line C)	(-)	312,655,609
10	Kentucky Jurisdictional Sales	(+)	312,655,609
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)	(+) \$	154,881.73
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery	\$	154,881.73

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

<b>Expense Month:</b>	<b>January 2016 Dollars (\$)</b>	
<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		\$ -
<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		\$ -
<b>C. Non-Native Sales Fuel Costs</b>		\$ -
<b>D. Total Fuel Costs (A + B - C)</b>		\$ -
<b>E. Total Fuel Costs Previously Reported</b>		\$ -
<b>F. Prior Period Adjustment</b>		\$ -
<b>G. Adjustment due to PJM Resettlements</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**

May 20, 2016

Aaron Greenwell, Acting Executive Director  
Attention: **Chris Whelan**



MAY 20 2016  
PUBLIC SERVICE  
COMMISSION

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

Dear Mr. Greenwell and Ms. Whelan:

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 2016.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: April 2016

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 9,168,244.27	
2	Sales $S_m$ (Schedule 3, Line C)	÷ 297,732,611	3.0794
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2014-00454	(-)	2.9117
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		0.1677

Effective Date for Billing:

June 1, 2016

Submitted by:

*Theodore H. Gupich*

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

May 20, 2016

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: April 2016**

	<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	\$ 136,920.66
<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	\$ 8,726,233.71
<b>C. Non-Native Sales Fuel Costs</b>	\$ (409.03)
<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 2016 and the estimated cost originally reported \$7,541,786.55 - \$7,503,625.35</b>	(+)
(actual)                      (estimate)	\$38,161.20
<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>	\$ 9,168,244.27

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 2016**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	8,470,000
<u>Purchases Including Interchange-In</u>	(+)	<u>308,266,820</u>
Sub-Total		<u>316,736,820</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	-
<u>System Losses (316,736,820 KWH times 6.0% <sup>(a)</sup>)</u>	(+)	<u>19,004,209</u>
Sub-Total		<u>19,004,209</u>
 C. Total Sales (A - B)		<u><u>297,732,611</u></u>

.....

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

**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: March 2016**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$4,980,578.02
Oil Burned	(+)	\$82,606.00
Gas Burned	(+)	\$327.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$37,202.09
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$1,824.92
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		<u>\$5,028,133.85</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$2,753,538.42
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$1,824.92
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$2,751,713.50</u>
<b>C. Non-Native Sales Fuel Costs</b>		\$238,060.80
<b>D. Total Fuel Costs (A + B - C)</b>		<u>\$7,541,786.55</u>

.....

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 2016**

<b>Line No.</b>	<b>Description</b>		
1	FAC Rate Billed ( $\phi$ /kWh)	(+)	(0.3960)
2	Retail kWh Billed at Above Rate	(x)	<u>289,793,145</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,147,580.85)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	331,360,955
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>331,360,955</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (1,312,189.38)
8	Over or (Under) (Line 3 - Line 7)		\$ 164,608.53
9	Total Sales (Schedule 3, Line C)	(-)	297,732,611
10	Kentucky Jurisdictional Sales	(+)	<u>297,732,611</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)	(+)	\$ 164,608.53
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 164,608.53</u></u>

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

<b>Expense Month:</b>	<b>December 2015 Dollars (\$)</b>	
<b>A. Company Generation</b>		
Coal Burned	(+)	\$8,187,544.48
Oil Burned	(+)	181,294.98
Gas Burned	(+)	98,334.58
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	74,569.72
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	27,540.90
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	-
Sub-Total		<u>\$ 8,420,145.22</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 2,150,389.31
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	31,421.44
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 2,118,967.87</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$1,059,847.67</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b>\$ 9,479,265.42</b>
<b>E. Total Fuel Costs Previously Reported</b>		<b>\$ 9,048,137.23</b>
<b>F. Prior Period Adjustment</b>		<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>		<b>\$ 431,128.20</b>

.....

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



FA

139 East Fourth Street  
P.O. Box 960  
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ted.czupik@duke-energy.com

Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

April 22, 2016

Aaron Greenwell, Acting Executive Director  
**Attention: Chris Whelan**

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

Dear Chairman Gardner and Ms. Whelan:

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 2016.

Please contact me if you have any questions.

Sincerely,

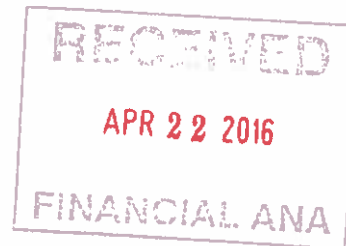
Theodore H. Czupik Jr.

Enclosure

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PUBLIC SERVICE  
COMMISSION



DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: March 2016

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 7,522,607.50	
2	Sales $S_m$ (Schedule 3, Line C)	+ 311,597,696	2.4142
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2014-00454	(-)	2.9117
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>(0.4975)</u>

Effective Date for Billing: May 2, 2016

Submitted by: *Theodore H. Crupik, Jr.*

Title: Rates & Regulatory Strategy Manager

Date Submitted: April 22, 2016

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: March 2016**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 4,980,579.23
Oil Burned	(+) 82,606.03
Gas Burned	(+) 2,164.10
PJM Balancing & Day Ahead Operating Reserve Credit	(-) 37,202.09
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 1,824.91
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) -
Sub-Total	<u>\$ 5,029,972.18</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 2,713,916.10
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 1,824.91
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 2,712,091.19</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 238,438.02</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+) \$ 7,503,625.35 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-) \$ 84,318.12
<b>F. Adjustment indicating the difference in actual fuel cost for the month of February 2016 and the estimated cost originally reported \$8,183,552.37 - \$8,106,677.34</b>	(+) \$76,875.03
(actual)                      (estimate)	
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+) \$ 26,425.24
<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>\$ 7,522,607.50</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 2016**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	231,439,000
<u>Purchases Including Interchange-In</u>	(+)	<u>111,922,430</u>
Sub-Total		<u>343,361,430</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	12,226,790
<u>System Losses (331,134,640 KWH times 5.9% <sup>(a)</sup>)</u>	(+)	<u>19,536,944</u>
Sub-Total		<u>31,763,734</u>
 C. Total Sales (A - B)		<u><u>311,597,696</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 2016**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$7,462,044.28
Oil Burned	(+)	\$62,906.00
Gas Burned	(+)	\$81,625.16
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$76,531.38
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$9,864.62
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		<u>\$7,539,908.68</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$812,666.22
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$9,864.62
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$802,801.60</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$159,157.91</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b><u>\$8,183,552.37</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: January 2016**

<b>Line No.</b>	<b>Description</b>		
1	FAC Rate Billed (¢/kWh)	(+)	(0.1701)
2	Retail kWh Billed at Above Rate	(x)	<u>310,158,419</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (527,579.47)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	359,728,153
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>359,728,153</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (611,897.59)
8	Over or (Under) (Line 3 - Line 7)		\$ 84,318.12
9	Total Sales (Schedule 3, Line C)	(-)	311,597,696
10	Kentucky Jurisdictional Sales	(+)	<u>311,597,696</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)	(+)	\$ 84,318.12
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 84,318.12</u></u>

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

<b>Expense Month:</b>	<b>November 2015</b>
	<b><u>Dollars (\$)</u></b>
<b>A. Company Generation</b>	
Coal Burned (+)	\$8,401,285.78
Oil Burned (+)	206,343.96
Gas Burned (+)	172,447.24
PJM Balancing & Day Ahead Operating Reserve Credit (-)	153,736.93
Fuel (assigned cost during Forced Outage <sup>(a)</sup> ) (+)	123,346.64
Fuel (substitute cost during Forced Outage <sup>(a)</sup> ) (-)	28,827.20
<u>Sub-Total</u>	<u>\$ 8,720,859.49</u>
<b>B. Purchases</b>	
Economy Purchases (+)	\$ 558,120.72
Other Purchases (+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> ) (-)	130,703.10
<u>Less purchases above highest cost units</u> (-)	<u>-</u>
<u>Sub-Total</u>	<u>\$ 427,417.62</u>
<b>C. Non-Native Sales Fuel Costs</b>	<b>\$1,659,068.60</b>
<b>D. Total Fuel Costs (A + B - C)</b>	<b><u>\$ 7,489,208.51</u></b>
<b>E. Total Fuel Costs Previously Reported</b>	<b>\$ 7,462,783.27</b>
<b>F. Prior Period Adjustment</b>	<b>\$ -</b>
<b>G. Adjustment due to PJM Resettlements</b>	<b><u><u>\$ 26,425.24</u></u></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**

April 22, 2016

Chairman James Gardner, Acting Executive Director  
**Attention: Chris Whelan**

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

Dear Chairman Gardner and Ms. Whelan:

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 2016.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure



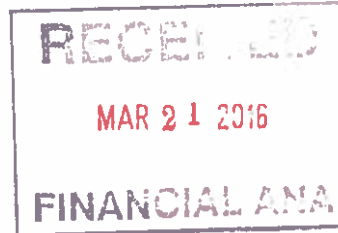
*Handwritten initials*

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Theodore H. Czupik Jr.  
Rates & Regulatory Strategy Manager

**VIA OVERNIGHT DELIVERY**



March 22, 2016

Chairman James Gardner, Acting Executive Director  
**Attention: Chris Whelan**

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

Dear Chairman Gardner and Ms. Whelan:

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 2016.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

Schedule 1

DUKE ENERGY KENTUCKY  
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: February 2016

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel $F_m$ (Schedule 2, Line K)	\$ 8,336,065.00	
2	Sales $S_m$ (Schedule 3, Line C)	+ 331,360,955	2.5157
3	Base Fuel Rate ( $F_b/S_b$ ) per PSC Order in Case No. 2014-00454	(-)	2.9117
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>(0.3960)</u>

Effective Date for Billing:

April 1, 2016

Submitted by:

*Theodore H. Gypke Jr*

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

March 22, 2016

**DUKE ENERGY KENTUCKY  
FUEL COST SCHEDULE**

**Expense Month: February 2016**

	<u>Dollars (\$)</u>
<b>A. Company Generation</b>	
Coal Burned	(+) \$ 7,462,042.59
Oil Burned	(+) 62,906.24
Gas Burned	(+) 79,786.02
PJM Balancing & Day Ahead Operating Reserve Credit	(-) 76,531.38
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+) 12,112.73
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-) -
Sub-Total	<u>\$ 7,540,316.20</u>
<b>B. Purchases</b>	
Economy Purchases	(+) \$ 763,186.19
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-) 12,112.73
Less purchases above highest cost units	(-) -
Sub-Total	<u>\$ 751,073.46</u>
<b>C. Non-Native Sales Fuel Costs</b>	<u>\$ 184,712.32</u>
<b>D. Total Fuel Costs (A + B - C)</b>	(+) \$ 8,106,677.34 <sup>(b)</sup>
<b>E. Total Company Over or (Under) Recovery from Schedule 5, Line 14</b>	(-) \$ 32,753.78
<b>F. Adjustment indicating the difference in actual fuel cost for the month of January 2016 and the estimated cost originally reported \$9,346,143.60 - \$9,254,665.94</b>	(+) \$91,477.66
(actual) (estimate)	
<b>G. RTO Resettlements for prior periods from Schedule 6, Line G</b>	(+) \$ 170,663.78
<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>\$ 8,336,065.00</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: February 2016**

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	329,549,000
<u>Purchases Including Interchange-In</u>	(+)	<u>32,422,370</u>
Sub-Total		<u>361,971,370</u>
 B. Pumped Storage Energy	(+)	 -
Non-Native Sales Including Interchange Out	(+)	9,834,330
<u>System Losses (352,137,040 KWH times 5.9% <sup>(a)</sup>)</u>	(+)	<u>20,776,085</u>
Sub-Total		<u>30,610,415</u>
 C. Total Sales (A - B)		 <u><u>331,360,955</u></u>

.....

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



**DUKE ENERGY KENTUCKY  
FINAL FUEL COST SCHEDULE**

**Expense Month: January 2016**

		<u>Dollars (\$)</u>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$8,935,864.60
Oil Burned	(+)	\$81,233.00
Gas Burned	(+)	\$319,378.49
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$101,864.06
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	\$143,672.41
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	\$0.00
Sub-Total		<u>\$9,378,284.44</u>
<b>B. Purchases</b>		
Economy Purchases	(+)	\$727,244.80
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	\$185,012.20
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$542,232.60</u>
<b>C. Non-Native Sales Fuel Costs</b>		<b>\$574,373.44</b>
<b>D. Total Fuel Costs (A + B - C)</b>		<b><u>\$9,346,143.60</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 2015

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	0.1005
2	Retail kWh Billed at Above Rate	(x)	<u>336,884,401</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)	\$	<u>338,568.82</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	304,293,570
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>304,293,570</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	305,815.04
8	Over or (Under) (Line 3 - Line 7)	\$	32,753.78
9	Total Sales (Schedule 3, Line C)	(-)	331,360,955
10	Kentucky Jurisdictional Sales	(+)	<u>331,360,955</u>
11	Ratio of Total Sales to KY Jurisdictional Sales (Line 9 ÷ Line 10)		1.00000
12	Total Company Over or (Under) Recovery (Line 8 * Line 11)	(+) \$	32,753.78
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery	\$	<u><u>32,753.78</u></u>

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

<b>Expense Month:</b>		<b>October 2015 Dollars (\$)</b>
<b>A. Company Generation</b>		
Coal Burned	(+)	\$6,819,190.69
Oil Burned	(+)	39,458.00
Gas Burned	(+)	31,144.54
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	43,576.20
Fuel (assigned cost during Forced Outage <sup>(a)</sup> )	(+)	18,673.62
Fuel (substitute cost during Forced Outage <sup>(a)</sup> )	(-)	529.75
Sub-Total		\$ 6,864,360.90
<b>B. Purchases</b>		
Economy Purchases	(+)	\$ 2,215,596.64
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage <sup>(a)</sup> )	(-)	20,558.23
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 2,195,038.41
<b>C. Non-Native Sales Fuel Costs</b>		\$1,569,534.66
<b>D. Total Fuel Costs (A + B - C)</b>		\$ 7,489,864.65
<b>E. Total Fuel Costs Previously Reported</b>		\$ 7,319,200.87
<b>F. Prior Period Adjustment</b>		\$ -
<b>G. Adjustment due to PJM Resettlements</b>		\$ 170,663.78

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