



MA

139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
ted.czupik@duke-energy.com

FA

Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

RECEIVED

January 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

JAN 19 2018
RECEIVED
PUBLIC SERVICE
COMMISSION
JAN 23 2018
FINANCIAL ANALYSIS

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 February 2018.

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: December 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 8,492,221.14	
2	Sales S_m (Schedule 3, Line C) +	353,509,454	2.4023
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>0.0186</u>

Effective Date for Billing: January 31, 2018

Submitted by: Theodore H. Cypik Jr.

Title: Rates & Regulatory Strategy Manager

Date Submitted: January 19, 2018

RECEIVED

JAN 19 2018

PUBLIC SERVICE
COMMISSION

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: December 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	<u>\$ 7,922,513.38</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 1,274,952.07</u>
C. Non-Native Sales Fuel Costs	<u>\$ 767,258.72</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of November 2017 and the estimated cost originally reported \$7,553,123.85 - \$7,524,040.56	(+)
(actual) (estimate)	\$29,083.29
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u>\$ 8,492,221.14</u>

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

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: December 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	328,581,000
<u>Purchases Including Interchange-In</u>	(+)	<u>80,226,230</u>
Sub-Total		<u>408,807,230</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	27,047,560
<u>System Losses (381,759,670 KWH times 7.4% ^(a))</u>	(+)	<u>28,250,216</u>
Sub-Total		<u>55,297,776</u>
 C. Total Sales (A - B)		<u><u>353,509,454</u></u>

.....

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: November 2017

		<u>Dollars (\$)</u>
A. Company Generation		
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 ^(a))	(+)	\$67,754.59
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		<u>\$7,546,887.84</u>
B. Purchases		
Economy Purchases	(+)	\$1,471,143.67
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$115,694.42
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$1,355,449.25</u>
C. Non-Native Sales Fuel Costs		\$1,349,213.24
D. Total Fuel Costs (A + B - C)		<u>\$7,553,123.85</u>

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

Schedule 5

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

Expense Month: October 2017

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.0847)
2	Retail kWh Billed at Above Rate	(x)	<u>333,411,562</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)	\$	<u>(282,399.59)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	289,878,102
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>289,878,102</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(245,526.75)
8	Over or (Under) (Line 3 - Line 7)	\$	(36,872.84)
9	Total Sales (Schedule 3, Line C)	(-)	353,509,454
10	Kentucky Jurisdictional Sales	(+)	<u>353,509,454</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)	(+) \$	(36,872.84)
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery	\$	<u><u>(36,872.84)</u></u>

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

Expense Month:		August 2017 Dollars (\$)
A. Company Generation		
Coal Burned	(+)	\$ 8,410,965.12
Oil Burned	(+)	53,003.10
Gas Burned	(+)	51,365.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	92,466.53
Fuel (assigned cost during Forced Outage ^(a))	(+)	55,059.62
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
<u>Sub-Total</u>		<u>\$ 8,477,926.31</u>
B. Purchases		
Economy Purchases	(+)	\$ 775,087.37
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	61,926.15
<u>Less purchases above highest cost units</u>	(-)	<u>-</u>
<u>Sub-Total</u>		<u>\$ 713,161.22</u>
C. Non-Native Sales Fuel Costs		\$ 424,175.76
D. Total Fuel Costs (A + B - C)		\$ 8,766,911.77
E. Total Fuel Costs Previously Reported		\$ 8,770,853.49
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ (3,941.72)

.....

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



[Handwritten signature]

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Rates & Regulatory Strategy Manager

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DEC 13 2017

PUBLIC SERVICE
COMMISSION

December 13, 2017

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 January 2018.

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:

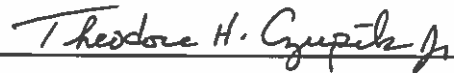
November 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 7,739,579.41	
2	Sales S_m (Schedule 3, Line C)	+ 298,880,302	2.5895
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>0.2058</u>

Effective Date for Billing:

January 2, 2018

Submitted by:



Title:

Rates & Regulatory Strategy Manager

Date Submitted:

December 13, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: November 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
<u>Sub-Total</u>	<u>\$ 7,568,322.29</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
<u>Sub-Total</u>	<u>\$ 1,370,496.17</u>
C. Non-Native Sales Fuel Costs	<u>\$ 1,414,777.90</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of October 2017 and the estimated cost originally reported \$7,201,445.61 - \$6,963,833.19	(+)
(actual) (estimate)	\$237,612.42
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u><u>\$ 7,739,579.41</u></u>

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

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: November 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	349,378,500
<u>Purchases Including Interchange-In</u>	(+)	<u>40,400,660</u>
Sub-Total		<u>389,779,160</u>
 B. Pumped Storage Energy	(+)	 -
Non-Native Sales Including Interchange Out	(+)	66,315,630
<u>System Losses (323,463,530 KWH times 7.6% ^(a))</u>	(+)	<u>24,583,228</u>
Sub-Total		<u>90,898,858</u>
 C. Total Sales (A - B)		 <u>298,880,302</u>

.....

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: October 2017

		<u>Dollars (\$)</u>
A. Company Generation		
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 ^(a))	(+)	\$90,515.50
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		<u>\$7,477,430.14</u>
B. Purchases		
Economy Purchases	(+)	\$1,617,500.97
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$137,799.07
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$1,479,701.90</u>
C. Non-Native Sales Fuel Costs		\$1,755,686.43
D. Total Fuel Costs (A + B - C)		<u>\$7,201,445.61</u>

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

Schedule 5

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

Expense Month: September 2017

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	0.0468
2	Retail kWh Billed at Above Rate	(x)	<u>345,186,474</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ 161,547.27</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	317,739,674
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>317,739,674</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ 148,702.17
8	Over or (Under) (Line 3 - Line 7)		\$ 12,845.10
9	Total Sales (Schedule 3, Line C)	(-)	298,880,302
10	Kentucky Jurisdictional Sales	(+)	<u>298,880,302</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)	(+)	\$ 12,845.10
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 12,845.10</u></u>

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

Expense Month:	July 2017 Dollars (\$)	
A. Company Generation		
Coal Burned	(+)	\$ 5,918,586.32
Oil Burned	(+)	194,431.00
Gas Burned	(+)	397,836.45
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	130,194.93
Fuel (assigned cost during Forced Outage ^(a))	(+)	2,095,691.07
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		\$ 8,476,349.91
B. Purchases		
Economy Purchases	(+)	\$ 5,260,241.68
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	2,879,649.75
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 2,380,591.93
C. Non-Native Sales Fuel Costs		\$ 297,108.41
D. Total Fuel Costs (A + B - C)		\$ 10,559,833.43
E. Total Fuel Costs Previously Reported		\$ 10,569,061.90
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ (9,228.47)

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



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NOV 14 2017
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Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

November 14, 2017

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

Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615
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NOV 14 2017

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 December 2017.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: October 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 6,664,385.08	
2	Sales S_m (Schedule 3, Line C)	+ 289,878,102	2.2990
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>(0.0847)</u>

Effective Date for Billing: November 30, 2017

Submitted by: *Theodore H. Gypch Jr.*

Title: Rates & Regulatory Strategy Manager

Date Submitted: November 17, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: October 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(+)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
<u>Sub-Total</u>	<u>\$ 7,477,430.77</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
<u>Sub-Total</u>	<u>\$ 1,476,117.44</u>
C. Non-Native Sales Fuel Costs	<u>\$ 1,989,715.02</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of September 2017 and the estimated cost originally reported \$7,785,401.97 - \$7,745,348.12	(+)
(actual) (estimate)	\$40,053.85
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u>\$ 6,664,385.08</u>

Note: ^(a) Forced Outage as defined in 807 KAR 5.056.

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: October 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	368,255,000
<u>Purchases Including Interchange-In</u>	(+)	<u>44,573,000</u>
Sub-Total		<u>412,828,000</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	99,107,110
<u>System Losses (313,720,890 KWH times 7.6% ^(a))</u>	(+)	<u>23,842,788</u>
Sub-Total		<u>122,949,898</u>
 C. Total Sales (A - B)		<u><u>289,878,102</u></u>

.....

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: September 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$7,067,052.10
Oil Burned	(+)	\$135,606.95
Gas Burned	(+)	\$80,840.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$50,448.63
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$799,030.69
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$15,484.99
Sub-Total		<u>\$8,016,596.12</u>
B. Purchases		
Economy Purchases	(+)	\$2,059,005.99
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$1,333,215.66
Less purchases above highest cost units	(-)	\$6,504.91
Sub-Total		<u>\$719,285.42</u>
C. Non-Native Sales Fuel Costs		\$950,479.57
D. Total Fuel Costs (A + B - C)		<u>\$7,785,401.97</u>

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

Schedule 5

DUKE ENERGY KENTUCKY
OVER OR (UNDER) RECOVERY SCHEDULE

Expense Month: August 2017

Line No.	Description		
1	FAC Rate Billed (ϕ /kWh)	(+)	(0.5216)
2	Retail kWh Billed at Above Rate	(x)	<u>313,595,657</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,635,714.95)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	373,168,291
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>373,168,291</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(1,946,445.81)
8	Over or (Under) (Line 3 - Line 7)	\$	310,730.86
9	Total Sales (Schedule 3, Line C)	(-)	289,878,102
10	Kentucky Jurisdictional Sales	(+)	<u>289,878,102</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)	(+) \$	310,730.86
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ 310,730.86</u></u>

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

Expense Month:		June 2017 <u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 8,076,435.48
Oil Burned	(+)	46,980.00
Gas Burned	(+)	268,491.42
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	-
Fuel (assigned cost during Forced Outage ^(a))	(+)	111,102.57
Fuel (substitute cost during Forced Outage ^(a))	(-)	61,651.62
Sub-Total		<u>\$ 8,441,357.85</u>
B. Purchases		
Economy Purchases	(+)	\$ 713,817.07
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	138,168.51
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 575,648.56</u>
C. Non-Native Sales Fuel Costs		\$ 639,991.37
D. Total Fuel Costs (A + B - C)		\$ 8,377,015.04
E. Total Fuel Costs Previously Reported		\$ 8,405,786.14
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ (28,771.10)

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



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OCT 16 2017

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Expense Month: September 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 7,722,544.37	
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Effective Date for Billing: October 30, 2017

Submitted by: Theodore H. Gypch Jr.

Title: Rates & Regulatory Strategy Manager

Date Submitted: October 20, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: September 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	\$ 8,025,408.08
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	\$ 681,906.08
C. Non-Native Sales Fuel Costs	\$ 961,966.04
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of August 2017 and the estimated cost originally reported \$8,770,853.49 - \$8,732,814.58	(+)
(actual) (estimate)	\$38,038.91
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	\$ 7,722,544.37

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

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: September 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	340,823,500
<u>Purchases Including Interchange-In</u>	(+)	<u>48,005,630</u>
Sub-Total		<u>388,829,130</u>
 B. Pumped Storage Energy	 (+)	 -
Non-Native Sales Including Interchange Out	(+)	45,326,780
<u>System Losses (343,502,350 KWH times 7.5% ^(a))</u>	(+)	<u>25,762,676</u>
Sub-Total		<u>71,089,456</u>
 C. Total Sales (A - B)		 <u><u>317,739,674</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: August 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$8,410,965.12
Oil Burned	(+)	\$53,003.10
Gas Burned	(+)	\$51,365.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$92,466.53
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$55,430.21
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		\$8,478,296.90
B. Purchases		
Economy Purchases	(+)	\$776,740.42
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$62,318.81
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$714,421.61
C. Non-Native Sales Fuel Costs		\$421,865.02
D. Total Fuel Costs (A + B - C)		\$8,770,853.49

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

Schedule 5

DUKE ENERGY KENTUCKY
OVER OR (UNDER) RECOVERY SCHEDULE

Expense Month: July 2017

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.1414)
2	Retail kWh Billed at Above Rate	(x)	<u>340,249,817</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)	\$	<u>(481,113.24)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	391,174,764
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>391,174,764</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(553,121.12)
8	Over or (Under) (Line 3 - Line 7)	\$	72,007.88
9	Total Sales (Schedule 3, Line C)	(-)	317,739,674
10	Kentucky Jurisdictional Sales	(+)	<u>317,739,674</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)	(+) \$	72,007.88
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery	\$	<u><u>72,007.88</u></u>

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

Expense Month:		May 2017 Dollars (\$)
A. Company Generation		
Coal Burned	(+)	\$ 6,127,844.00
Oil Burned	(+)	154,017.34
Gas Burned	(+)	355,506.10
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	54,342.73
Fuel (assigned cost during Forced Outage ^(a))	(+)	0.84
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
<u>Sub-Total</u>		<u>\$ 6,583,025.55</u>
B. Purchases		
Economy Purchases	(+)	\$ 3,680,644.80
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	0.84
<u>Less purchases above highest cost units</u>	(-)	<u>-</u>
<u>Sub-Total</u>		<u>\$ 3,680,643.96</u>
C. Non-Native Sales Fuel Costs		\$ 1,043,270.16
D. Total Fuel Costs (A + B - C)		\$ 9,220,399.35
E. Total Fuel Costs Previously Reported		\$ 9,209,234.13
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ 11,165.22

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



FA

139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
ted.czupik@duke-energy.com

SEP 18 2017

Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

September 19, 2017

Mr. John Lyons, Interim Executive Director
Attention: Matthew Baer

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

RECEIVED

SEP 15 2017

PUBLIC SERVICE
COMMISSION

Dear Mr. Lyons 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 2017.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

DUKE ENERGY KENTUCKY
 FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: August 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 8,918,945.99	
2	Sales S_m (Schedule 3, Line C) ÷	373,168,291	2.3901
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>(0.5216)</u></u>

Effective Date for Billing:

September 29, 2017

Submitted by:

Theodore H. Gypile Jr.

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

September 19, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: August 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	<u>\$ 8,486,511.75</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 694,487.79</u>
C. Non-Native Sales Fuel Costs	<u>\$ 448,184.96</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of July 2017 and the estimated cost originally reported \$10,569,061.90 - \$10,455,734.61	(+)
(actual) (estimate)	\$113,327.29
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u><u>\$ 8,918,945.99</u></u>

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

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: August 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	405,512,400
<u>Purchases Including Interchange-In</u>	(+)	<u>20,639,750</u>
Sub-Total		<u>426,152,150</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	21,852,810
<u>System Losses (404,299,340 KWH times 7.7% ^(a))</u>	(+)	<u>31,131,049</u>
Sub-Total		<u>52,983,859</u>
 C. Total Sales (A - B)		<u><u>373,168,291</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: July 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$5,918,585.84
Oil Burned	(+)	\$194,431.48
Gas Burned	(+)	\$397,836.44
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$130,466.20
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$2,096,859.50
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		\$8,477,247.06
B. Purchases		
Economy Purchases	(+)	\$5,269,467.08
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$2,881,767.04
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$2,387,700.04
C. Non-Native Sales Fuel Costs		
		\$295,885.20
D. Total Fuel Costs (A + B - C)		
		\$10,569,061.90

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

Schedule 5

DUKE ENERGY KENTUCKY
OVER OR (UNDER) RECOVERY SCHEDULE

Expense Month: June 2017

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.4203)
2	Retail kWh Billed at Above Rate	(x)	<u>369,773,695</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,554,158.84)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	353,538,927
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>353,538,927</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (1,485,924.11)
8	Over or (Under) (Line 3 - Line 7)		\$ (68,234.73)
9	Total Sales (Schedule 3, Line C)	(-)	373,168,291
10	Kentucky Jurisdictional Sales	(+)	<u>373,168,291</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)	(+)	\$ (68,234.73)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (68,234.73)</u></u>

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

Expense Month:		April 2017 Dollars (\$)
A. Company Generation		
Coal Burned	(+)	\$ 7,689,207.53
Oil Burned	(+)	(120,683.95)
Gas Burned	(+)	-
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	-
Fuel (assigned cost during Forced Outage ^(a))	(+)	8,736.74
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		<u>\$ 7,577,260.32</u>
B. Purchases		
Economy Purchases	(+)	\$ 660,585.96
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	10,095.46
Less purchases above highest cost units	(-)	-
Sub-Total		<u>\$ 650,490.50</u>
C. Non-Native Sales Fuel Costs		\$ 1,820,736.61
D. Total Fuel Costs (A + B - C)		\$ 6,407,014.21
E. Total Fuel Costs Previously Reported		\$ 6,402,444.82
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ 4,569.39

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



139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
ted.czupik@duke-energy.com

Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

August 18, 2017

Mr. John Lyons, Interim Executive Director
Attention: Matthew Baer

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

Dear Mr. Lyons 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 2017.

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: July 2017

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>	<u>Rate (¢/kWh)</u>
1	Fuel F_m (Schedule 2, Line K)	\$ 10,836,743.03	
2	Sales S_m (Schedule 3, Line C)	+ 391,174,764	2.7703
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>(0.1414)</u></u>

Effective Date for Billing:

August 30, 2017

Submitted by:

Theodore H. Gyepik Jr.

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

August 18, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: July 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	<u>\$ 8,529,879.03</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 2,249,455.47</u>
C. Non-Native Sales Fuel Costs	<u>\$ 323,599.89</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of June 2017 and the estimated cost originally reported \$8,405,786.14 - \$8,215,033.55	(+)
(actual) (estimate)	\$190,752.59
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u>\$ 10,836,743.03</u>

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

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: July 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	266,087,000
<u>Purchases Including Interchange-In</u>	(+)	<u>169,413,010</u>
Sub-Total		<u>435,500,010</u>
 B. Pumped Storage Energy	 (+)	 -
Non-Native Sales Including Interchange Out	(+)	11,232,370
<u>System Losses (424,267,640 KWH times 7.8% ^(a))</u>	(+)	<u>33,092,876</u>
Sub-Total		<u>44,325,246</u>
 C. Total Sales (A - B)		 <u><u>391,174,764</u></u>

.....

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: June 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$8,076,435.07
Oil Burned	(+)	\$46,980.42
Gas Burned	(+)	\$268,491.41
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$0.00
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$148,015.96
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		\$8,539,922.86
B. Purchases		
Economy Purchases	(+)	\$722,494.53
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$212,081.26
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$510,413.27
C. Non-Native Sales Fuel Costs		\$644,549.99
D. Total Fuel Costs (A + B - C)		\$8,405,786.14

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

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

Expense Month: May 2017

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.2904)
2	Retail kWh Billed at Above Rate	(x)	<u>376,923,149</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,094,584.82)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	312,784,517
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>312,784,517</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (908,326.24)
8	Over or (Under) (Line 3 - Line 7)		\$ (186,258.58)
9	Total Sales (Schedule 3, Line C)	(-)	391,174,764
10	Kentucky Jurisdictional Sales	(+)	<u>391,174,764</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)	(+)	\$ (186,258.58)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (186,258.58)</u></u>

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

Expense Month:	March 2017 Dollars (\$)
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	\$ 9,025,026.91
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	\$ 32,182.34
C. Non-Native Sales Fuel Costs	\$ 1,770,827.57
D. Total Fuel Costs (A + B - C)	\$ 7,286,381.69
E. Total Fuel Costs Previously Reported	\$ 7,282,384.44
F. Prior Period Adjustment	\$ -
G. Adjustment due to PJM Resettlements	\$ 3,997.25

.....

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



FA

139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
td.czupik@duke-energy.com

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JUL 24 2017
FINANCIAL ANA

Theodore H. Czupik Jr.
Rate & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

July 21, 2017

Mr. John Lyons, Interim Executive Director
Attention: Chris Whelan

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

Dear Mr. Lyons 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 2017.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

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JUL 21 2017

PUBLIC SERVICE
COMMISSION

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JUL 24 2017
FINANCIAL ANA

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: June 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 8,808,119.11	
2	Sales S_m (Schedule 3, Line C)	+ 353,538,927	2.4914
3	Base Fuel Rate (F_p/S_b) per PSC Order in Case No. 2014-00454	(-)	2.9117
4	Fuel Adjustment Clause Rate (Line 2 - Line 3)		<u>(0.4203)</u>

Effective Date for Billing:

August 1, 2017

Submitted by:

Theodore H. Gupich

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

July 21, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: June 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	<u>\$ 8,404,041.19</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 458,816.79</u>
C. Non-Native Sales Fuel Costs	<u>\$ 647,824.43</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of May 2017 and the estimated cost originally reported \$9,209,234.13 - \$9,068,545.87	(+)
(actual) (estimate)	
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u><u>\$ 8,808,119.11</u></u>

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

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

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: June 2017

			<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	399,041,990	
<u>Purchases Including Interchange-In</u>	(+)	<u>13,264,020</u>	
Sub-Total			<u>412,306,010</u>
 B. Pumped Storage Energy	(+)	-	
Non-Native Sales Including Interchange Out	(+)	28,858,150	
<u>System Losses (383,447,860 KWH times 7.8% ^(a))</u>	(+)	<u>29,908,933</u>	
Sub-Total			<u>58,767,083</u>
 C. Total Sales (A - B)			<u><u>353,538,927</u></u>

.....

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: May 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$6,127,844.01
Oil Burned	(+)	\$154,017.34
Gas Burned	(+)	\$355,506.09
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$52,190.73
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$0.84
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		<u>\$6,585,177.55</u>
B. Purchases		
Economy Purchases	(+)	\$3,661,882.92
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$0.84
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$3,661,882.08</u>
C. Non-Native Sales Fuel Costs		\$1,037,825.50
D. Total Fuel Costs (A + B - C)		<u>\$9,209,234.13</u>

.....

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

Schedule 5

DUKE ENERGY KENTUCKY
OVER OR (UNDER) RECOVERY SCHEDULE

Expense Month: April 2017

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.8877)
2	Retail kWh Billed at Above Rate	(x)	<u>335,026,874</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (2,974,033.56)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	283,666,941
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>283,666,941</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (2,518,111.44)
8	Over or (Under) (Line 3 - Line 7)		\$ (455,922.12)
9	Total Sales (Schedule 3, Line C)	(-)	353,538,927
10	Kentucky Jurisdictional Sales	(+)	<u>353,538,927</u>
11	Ratio of Total Sales to KY Jurisdictional Sales (Line 9 ÷ Line 10)		1.00000
12	Total Company Over or (Under) Recovery (Line 8 * Line 11)	(+)	\$ (455,922.12)
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ (455,922.12)</u></u>

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

Expense Month:	February 2017	
	<u>Dollars (\$)</u>	
A. Company Generation		
Coal Burned	(+)	\$ 7,209,238.26
Oil Burned	(+)	275,115.00
Gas Burned	(+)	108,310.18
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	20,837.34
Fuel (assigned cost during Forced Outage ^(a))	(+)	490,055.83
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		\$ 8,061,881.93
B. Purchases		
Economy Purchases	(+)	\$ 718,102.43
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	500,881.56
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 217,220.87
C. Non-Native Sales Fuel Costs		\$ 1,227,392.01
D. Total Fuel Costs (A + B - C)		\$ 7,051,710.79
E. Total Fuel Costs Previously Reported		\$ 7,055,235.61
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ (3,524.82)

.....

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



139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
ted.czupik@duke-energy.com

Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

June 20, 2017

Dr. Talina R. Mathews, Executive Director
Attention: Chris Whelan

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

RECEIVED

JUN 20 2017

PUBLIC SERVICE
COMMISSION

JUN 21 2017

Dear Dr. Mathews 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 2017.

Per the Commission's Order in Case No. 2016-00234, a credit of \$683,877.16 has been included on Schedule 2, Fuel Cost Schedule.

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

DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE

Expense Month: May 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 8,199,117.16	
2	Sales S_m (Schedule 3, Line C)	+ 312,784,517	2.6213
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>(0.2904)</u>

Effective Date for Billing:

June 30, 2017

Submitted by:

Theodora H. Gypch

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

June 20, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: May 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	<u>\$ 6,585,177.34</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 3,650,907.57</u>
C. Non-Native Sales Fuel Costs	<u>\$ 1,167,539.04</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of April 2017 and the estimated cost originally reported \$6,402,444.82 - \$6,394,669.65	(+)
(actual) (estimate)	\$7,775.17
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u><u>\$ 8,199,117.16</u></u>

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

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

^(c) Per the Commission's Order in Case No. 2016-00234, Duke Kentucky will refund to customers a total of \$4,103,263 by including a monthly credit of \$683,877.16, for the expense months of December 2016 through May 2017.

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: May 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	261,882,500
<u>Purchases Including Interchange-In</u>	(+)	<u>120,788,400</u>
Sub-Total		<u>382,670,900</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	43,425,220
<u>System Losses (339,245,680 KWH times 7.8% ^(a))</u>	(+)	<u>26,461,163</u>
Sub-Total		<u>69,886,383</u>
 C. Total Sales (A - B)		<u><u>312,784,517</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: April 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$7,689,207.53
Oil Burned	(+)	(\$120,683.95)
Gas Burned	(+)	\$0.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$0.00
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$8,507.07
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		\$7,577,030.65
B. Purchases		
Economy Purchases	(+)	\$662,133.53
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$9,867.25
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$652,266.28
C. Non-Native Sales Fuel Costs		\$1,826,852.11
D. Total Fuel Costs (A + B - C)		\$6,402,444.82

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

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

Expense Month: March 2017

Line No.	Description		
1	FAC Rate Billed (ϕ /kWh)	(+)	(0.9027)
2	Retail kWh Billed at Above Rate	(x)	<u>293,098,722</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (2,645,802.17)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	317,252,437
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>317,252,437</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (2,863,837.75)
8	Over or (Under) (Line 3 - Line 7)		\$ 218,035.58
9	Total Sales (Schedule 3, Line C)	(-)	312,784,517
10	Kentucky Jurisdictional Sales	(+)	<u>312,784,517</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)	(+)	\$ 218,035.58
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 218,035.58</u></u>

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

Expense Month:	January 2017 Dollars (\$)	
A. Company Generation		
Coal Burned	(+)	\$ 9,352,397.65
Oil Burned	(+)	275,115.00
Gas Burned	(+)	101,046.78
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	172,048.10
Fuel (assigned cost during Forced Outage ^(a))	(+)	-
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		\$ 9,556,511.33
B. Purchases		
Economy Purchases	(+)	\$ 110,094.95
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 110,094.95
C. Non-Native Sales Fuel Costs		\$ 1,410,886.79
D. Total Fuel Costs (A + B - C)		\$ 8,255,719.49
E. Total Fuel Costs Previously Reported		\$ 8,231,010.63
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ 24,708.86

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



139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
ted.czupik@duke-energy.com

Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

May 22, 2017

Dr. Talina R. Mathews, Executive Director
Attention: Chris Whelan

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

Dear Dr. Mathews 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 2017.

Per the Commission's Order in Case No. 2016-00234, a credit of \$683,877.16 has been included on Schedule 2, Fuel Cost Schedule.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

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MAY 21 2017

PUBLIC SERVICE
COMMISSION

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: April 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 5,741,376.21	
2	Sales S_m (Schedule 3, Line C)	÷ 283,666,941	2.0240
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>(0.8877)</u></u>

Effective Date for Billing:

June 1, 2017

Submitted by:

Theodore H. Cypeth Jr.

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

May 22, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: April 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+) \$ 7,688,930.87
Oil Burned	(+) (120,683.95)
Gas Burned	(+) 276.67
PJM Balancing & Day Ahead Operating Reserve Credit	(-) -
Fuel (assigned cost during Forced Outage ^(a))	(+) 8,507.07
Fuel (substitute cost during Forced Outage ^(a))	(-) -
<u>Sub-Total</u>	<u>\$ 7,577,030.66</u>
B. Purchases	
Economy Purchases	(+) \$ 668,465.85
Other Purchases	(+) -
Other Purchases (substitute for Forced Outage ^(a))	(-) 9,867.25
Less purchases above highest cost units	(-) -
<u>Sub-Total</u>	<u>\$ 658,598.60</u>
C. Non-Native Sales Fuel Costs	<u>\$ 1,840,959.61</u>
D. Total Fuel Costs (A + B - C)	(+) \$ 6,394,669.65 ^(b)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-) \$ (18,164.58)
F. Adjustment indicating the difference in actual fuel cost for the month of March 2017 and the estimated cost originally reported \$7,282,384.44 - \$7,262,125.33	(+) \$20,259.11
(actual) (estimate)	
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+) \$ (7,839.97)
H. Prior Period Correction	(+) \$ (683,877.16) ^(c)
I. Deferral of Current Purchased Power Costs	(-) \$ -
J. Amount of Deferred Purchased Power Costs included in the filing	(+) \$ -
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u><u>\$ 5,741,376.21</u></u>

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

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

^(c) Per the Commission's Order in Case No. 2016-00234, Duke Kentucky will refund to customers a total of \$4,103,263 by including a monthly credit of \$683,877.16, for the expense months of December 2016 through May 2017.

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: April 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	377,914,000
<u>Purchases Including Interchange-In</u>	(+)	<u>22,132,660</u>
Sub-Total		<u>400,046,660</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	92,047,810
<u>System Losses (307,998,850 KWH times 7.9% ^(a))</u>	(+)	<u>24,331,909</u>
Sub-Total		<u>116,379,719</u>
 C. Total Sales (A - B)		<u><u>283,666,941</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: March 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$9,054,528.45
Oil Burned	(+)	\$48,065.00
Gas Burned	(+)	\$145,303.75
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$222,870.30
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$0.00
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		\$9,025,026.90
B. Purchases		
Economy Purchases	(+)	\$32,326.04
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$0.00
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		\$32,326.04
C. Non-Native Sales Fuel Costs		\$1,774,968.50
D. Total Fuel Costs (A + B - C)		\$7,282,384.44

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

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

Expense Month: February 2017

Line No.	Description		
1	FAC Rate Billed (ϕ /kWh)	(+)	(0.7546)
2	Retail kWh Billed at Above Rate	(x)	<u>289,567,262</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (2,185,074.56)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	287,160,082
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>287,160,082</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(2,166,909.98)
8	Over or (Under) (Line 3 - Line 7)	\$	(18,164.58)
9	Total Sales (Schedule 3, Line C)	(-)	283,666,941
10	Kentucky Jurisdictional Sales	(+)	<u>283,666,941</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)	(+) \$	(18,164.58)
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ (18,164.58)</u></u>

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

Expense Month:	December 2016	
	<u>Dollars (\$)</u>	
A. Company Generation		
Coal Burned	(+)	\$ 6,189,747.98
Oil Burned	(+)	223,682.00
Gas Burned	(+)	(10,369.28)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	45,979.80
Fuel (assigned cost during Forced Outage ^(a))	(+)	2,729,901.87
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		\$ 9,086,982.77
B. Purchases		
Economy Purchases	(+)	\$ 4,777,729.33
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	4,181,020.15
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 596,709.18
C. Non-Native Sales Fuel Costs		\$ 857,531.12
D. Total Fuel Costs (A + B - C)		\$ 8,826,160.83
E. Total Fuel Costs Previously Reported		\$ 8,834,000.80
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ (7,839.97)

.....

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



FA

139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
ted.czupik@duke-energy.com

Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

RECEIVED
APR 18 2017
PUBLIC SERVICE
COMMISSION

VIA OVERNIGHT DELIVERY

April 18, 2017

Dr. Talina R. Mathews, Executive Director
Attention: Chris Whelan

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

Dear Dr. Mathews 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 2017.

Per the Commission's Order in Case No. 2016-00234, a credit of \$683,877.16 has been included on Schedule 2, Fuel Cost Schedule.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: **March 2017**

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>	<u>Rate (¢/kWh)</u>
1	Fuel F_m (Schedule 2, Line K)	\$ 6,373,648.86	
2	Sales S_m (Schedule 3, Line C) +	317,252,437	2.0090
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>(0.9027)</u></u>

Effective Date for Billing:

May 2, 2017

Submitted by:

Theodore H. Gypich Jr

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

April 18, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: March 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	\$ 9,025,026.82
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	\$ 29,926.01
C. Non-Native Sales Fuel Costs	<u>\$ 1,792,827.50</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of February 2017 and the estimated cost originally reported \$7,055,235.61 - \$6,994,676.52	(+)
(actual) (estimate)	\$60,559.09
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	\$ 6,373,648.86

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

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

^(c) Per the Commission's Order in Case No. 2016-00234, Duke Kentucky will refund to customers a total of \$4,103,263 by including a monthly credit of \$683,877.16, for the expense months of December 2016 through May 2017.

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: March 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	432,531,500
<u>Purchases Including Interchange-In</u>	(+)	<u>1,268,260</u>
Sub-Total		<u>433,799,760</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	89,708,180
<u>System Losses (344,091,580 KWH times 7.8% ^(a))</u>	(+)	<u>26,839,143</u>
Sub-Total		<u>116,547,323</u>
 C. Total Sales (A - B)		<u><u>317,252,437</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: February 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$7,368,096.76
Oil Burned	(+)	\$116,256.51
Gas Burned	(+)	\$108,310.18
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$20,837.34
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$490,556.16
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		<u>\$8,062,382.27</u>
B. Purchases		
Economy Purchases	(+)	\$720,151.52
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$501,511.91
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$218,639.61</u>
C. Non-Native Sales Fuel Costs		<u>\$1,225,786.27</u>
D. Total Fuel Costs (A + B - C)		<u><u>\$7,055,235.61</u></u>

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

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

Expense Month: January 2017

Line No.	Description		
1	FAC Rate Billed ($\$/kWh$)	(+)	(0.5784)
2	Retail kWh Billed at Above Rate	(x)	<u>301,369,427</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,743,120.77)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	340,461,039
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>340,461,039</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(1,969,226.65)
8	Over or (Under) (Line 3 - Line 7)	\$	226,105.88
9	Total Sales (Schedule 3, Line C)	(-)	317,252,437
10	Kentucky Jurisdictional Sales	(+)	<u>317,252,437</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)	(+) \$	226,105.88
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery		<u><u>\$ 226,105.88</u></u>

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

Expense Month:		November 2016 Dollars (\$)
A. Company Generation		
Coal Burned	(+)	\$ 7,054,855.34
Oil Burned	(+)	53,822.00
Gas Burned	(+)	71,007.00
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	162,728.27
Fuel (assigned cost during Forced Outage ^(a))	(+)	-
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		\$ 7,016,956.07
B. Purchases		
Economy Purchases	(+)	\$ 1,082,771.15
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 1,082,771.15
C. Non-Native Sales Fuel Costs		\$ 1,047,023.82
D. Total Fuel Costs (A + B - C)		\$ 7,052,703.40
E. Total Fuel Costs Previously Reported		\$ 7,091,755.93
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ (39,052.53)

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



FA

139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
ted.czupik@duke-energy.com

Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY



RECEIVED

MAR 17 2017

PUBLIC SERVICE
COMMISSION

March 17, 2017

Dr. Talina R. Mathews, Executive Director
Attention: Chris Whelan

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

Dear Dr. Mathews 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 2017.

Per the Commission's Order in Case No. 2016-00234, a credit of \$683,877.16 has been included on Schedule 2, Fuel Cost Schedule.

Please contact me if you have any questions.

Sincerely,

Theodore H. Czupik Jr.

Enclosure

**DUKE ENERGY KENTUCKY
FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month: February 2017

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>	<u>Rate (¢/kWh)</u>
1	Fuel F_m (Schedule 2, Line K)	\$ 6,194,298.10	
2	Sales S_m (Schedule 3, Line C)	÷ 287,160,082	2.1571
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>(0.7546)</u></u>

Effective Date for Billing:

March 31, 2017

Submitted by:

Theodore H. Gypshof

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

March 17, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: February 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	<u>\$ 8,062,384.32</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 216,265.37</u>
C. Non-Native Sales Fuel Costs	<u>\$ 1,283,973.17</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of January 2017 and the estimated cost originally reported \$8,231,010.63 - \$8,187,723.23	(+)
(actual) (estimate)	\$43,287.40
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u><u>\$ 6,194,298.10</u></u>

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

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

^(c) Per the Commission's Order in Case No. 2016-00234, Duke Kentucky will refund to customers a total of \$4,103,263 by including a monthly credit of \$683,877.16, for the expense months of December 2016 through May 2017.

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: February 2017

			<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	337,143,000	
<u>Purchases Including Interchange-In</u>	(+)	<u>30,458,540</u>	
Sub-Total			<u>367,601,540</u>
 B. Pumped Storage Energy	(+)	-	
Non-Native Sales Including Interchange Out	(+)	55,809,920	
<u>System Losses (311,791,620 KWH times 7.9% ^(a))</u>	(+)	<u>24,631,538</u>	
Sub-Total			<u>80,441,458</u>
 C. Total Sales (A - B)			<u><u>287,160,082</u></u>

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: January 2017

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$9,352,397.90
Oil Burned	(+)	\$275,114.75
Gas Burned	(+)	\$101,046.78
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$172,048.10
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$0.00
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		<u>\$9,556,511.33</u>
B. Purchases		
Economy Purchases	(+)	\$105,211.43
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$0.00
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$105,211.43</u>
C. Non-Native Sales Fuel Costs		\$1,430,712.13
D. Total Fuel Costs (A + B - C)		<u>\$8,231,010.63</u>

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

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

Expense Month: December 2016

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.5028)
2	Retail kWh Billed at Above Rate	(x)	<u>315,254,761</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)		<u>\$ (1,585,100.94)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	348,315,447
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>348,315,447</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)		\$ (1,751,330.07)
8	Over or (Under) (Line 3 - Line 7)		\$ 166,229.13
9	Total Sales (Schedule 3, Line C)	(-)	287,160,082
10	Kentucky Jurisdictional Sales	(+)	<u>287,160,082</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)	(+)	\$ 166,229.13
13	Amount Over or (Under) Recovered in prior filings	(-)	\$ -
14	Total Company Over or (Under) Recovery		<u><u>\$ 166,229.13</u></u>

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

Expense Month:		October 2016 <u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 9,070,471.29
Oil Burned	(+)	40,236.00
Gas Burned	(+)	302,508.87
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	322,300.70
Fuel (assigned cost during Forced Outage ^(a))	(+)	-
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		\$ 9,090,915.46
B. Purchases		
Economy Purchases	(+)	\$ 19,045.11
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	-
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 19,045.11
C. Non-Native Sales Fuel Costs		\$ 1,956,902.51
D. Total Fuel Costs (A + B - C)		\$ 7,153,058.06
E. Total Fuel Costs Previously Reported		\$ 7,146,617.59
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ 6,440.47

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



FA

139 East Fourth Street
P.O. Box 960
Cincinnati, Ohio 45201-0960
Tel: 513-287-2348
Fax: 513-287-2473
ted.czupik@duke-energy.com

Theodore H. Czupik Jr.
Rates & Regulatory Strategy Manager

VIA OVERNIGHT DELIVERY

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FEB 16 2017
PUBLIC SERVICE
COMMISSION

February 16, 2017

Dr. Talina R. Mathews, Executive Director
Attention: Chris Whelan

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

Dear Dr. Mathews 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 March 2017.

Per the Commission's Order in Case No. 2016-00234, a credit of \$683,877.16 has been included on Schedule 2, Fuel Cost Schedule.

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: January 2017

Line No.	Description	Amount	Rate (¢/kWh)
1	Fuel F_m (Schedule 2, Line K)	\$ 7,944,047.33	
2	Sales S_m (Schedule 3, Line C)	+ 340,461,039	2.3333
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>(0.5784)</u>

Effective Date for Billing:

March 2, 2017

Submitted by:

Theodore H. Gypik Jr.

Title:

Rates & Regulatory Strategy Manager

Date Submitted:

February 20, 2017

**DUKE ENERGY KENTUCKY
FUEL COST SCHEDULE**

Expense Month: January 2017

	<u>Dollars (\$)</u>
A. Company Generation	
Coal Burned	(+)
Oil Burned	(+)
Gas Burned	(+)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)
Fuel (assigned cost during Forced Outage ^(a))	(+)
Fuel (substitute cost during Forced Outage ^(a))	(-)
Sub-Total	<u>\$ 9,556,512.88</u>
B. Purchases	
Economy Purchases	(+)
Other Purchases	(+)
Other Purchases (substitute for Forced Outage ^(a))	(-)
Less purchases above highest cost units	(-)
Sub-Total	<u>\$ 101,854.63</u>
C. Non-Native Sales Fuel Costs	<u>\$ 1,470,644.28</u>
D. Total Fuel Costs (A + B - C)	(+)
E. Total Company Over or (Under) Recovery from Schedule 5, Line 14	(-)
F. Adjustment indicating the difference in actual fuel cost for the month of December 2016 and the estimated cost originally reported \$8,834,000.80 - \$8,812,411.82	(+)
(actual) (estimate)	\$21,588.98
G. RTO Resettlements for prior periods from Schedule 6, Line G	(+)
H. Prior Period Correction	(+)
I. Deferral of Current Purchased Power Costs	(-)
J. Amount of Deferred Purchased Power Costs included in the filing	(+)
K. Grand Total Fuel Cost (D - E + F + G + H - I + J)	<u>\$ 7,944,047.33</u>

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

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

^(c) Per the Commission's Order in Case No. 2016-00234, Duke Kentucky will refund to customers a total of \$4,103,263 by including a monthly credit of \$683,877.16, for the expense months of December 2016 through May 2017.

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: January 2017

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	436,926,000
<u>Purchases Including Interchange-In</u>	(+)	<u>2,478,320</u>
Sub-Total		<u>439,404,320</u>
 B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	68,935,290
<u>System Losses (370,469,030 KWH times 8.1% ^(a))</u>	(+)	<u>30,007,991</u>
Sub-Total		<u>98,943,281</u>
 C. Total Sales (A - B)		<u><u>340,461,039</u></u>

.....

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

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: December 2016

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$6,189,747.98
Oil Burned	(+)	\$223,682.00
Gas Burned	(+)	(\$10,369.28)
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	\$45,979.80
Fuel (assigned cost during Forced Outage ^(a))	(+)	\$2,731,718.47
Fuel (substitute cost during Forced Outage ^(a))	(-)	\$0.00
Sub-Total		<u>\$9,088,799.37</u>
B. Purchases		
Economy Purchases	(+)	\$4,793,026.97
Other Purchases	(+)	\$0.00
Other Purchases (substitute for Forced Outage ^(a))	(-)	\$4,183,163.86
Less purchases above highest cost units	(-)	\$0.00
Sub-Total		<u>\$609,863.11</u>
C. Non-Native Sales Fuel Costs		\$864,661.68
D. Total Fuel Costs (A + B - C)		<u>\$8,834,000.80</u>

.....

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

Schedule 5

DUKE ENERGY KENTUCKY
OVER OR (UNDER) RECOVERY SCHEDULE

Expense Month: November 2016

Line No.	Description		
1	FAC Rate Billed (¢/kWh)	(+)	(0.5797)
2	Retail kWh Billed at Above Rate	(x)	<u>366,401,103</u>
3	FAC Revenue/(Refund) (Line 1 * Line 2)	\$	<u>(2,124,027.20)</u>
4	kWh Used to Determine Last FAC Rate Billed	(+)	288,985,005
5	Non-Jurisdictional kWh included in Line 4	(-)	<u>-</u>
6	Kentucky Jurisdictional kWh Included in Line 4 (Line 4 - Line 5)		<u>288,985,005</u>
7	Recoverable FAC Revenue/(Refund) (Line 1 * Line 6)	\$	(1,675,246.07)
8	Over or (Under) (Line 3 - Line 7)	\$	(448,781.13)
9	Total Sales (Schedule 3, Line C)	(-)	340,461,039
10	Kentucky Jurisdictional Sales	(+)	<u>340,461,039</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)	(+) \$	(448,781.13)
13	Amount Over or (Under) Recovered in prior filings	(-) \$	-
14	Total Company Over or (Under) Recovery	\$	<u><u>(448,781.13)</u></u>

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

Expense Month:	September 2016	
	<u>Dollars (\$)</u>	
A. Company Generation		
Coal Burned	(+)	\$ 8,707,996.48
Oil Burned	(+)	48,233.00
Gas Burned	(+)	236,823.54
PJM Balancing & Day Ahead Operating Reserve Credit	(-)	88,484.02
Fuel (assigned cost during Forced Outage ^(a))	(+)	7,195.97
Fuel (substitute cost during Forced Outage ^(a))	(-)	825.09
Sub-Total		\$ 8,910,939.88
B. Purchases		
Economy Purchases	(+)	\$ 946,211.71
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	8,857.10
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 937,354.61
C. Non-Native Sales Fuel Costs		\$ 621,160.42
D. Total Fuel Costs (A + B - C)		\$ 9,227,134.07
E. Total Fuel Costs Previously Reported		\$ 9,257,302.92
F. Prior Period Adjustment		\$ -
G. Adjustment due to PJM Resettlements		\$ (30,168.85)

.....

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