

COMPANY NAME: DUKE ENERGY KENTUCKY, INC.  
GAS COST ADJUSTMENT CLAUSE RATE CALCULATIONS  
SUPPLEMENTAL MONTHLY REPORT

PARTICULARS	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	4.576
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	0.000
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.376
BALANCE ADJUSTMENT (BA)	\$/MCF	(0.029)
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA +BA	\$/MCF	<u>4.923</u>

GAS COST RECOVERY RATE EFFECTIVE DATES: May 2, 2017 THROUGH May 31, 2017

EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	4.576

SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	0.000
PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	0.000
SECOND PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	0.000
THIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	0.000
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	<u>0.000</u>

ACTUAL ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.205
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.025
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.055)
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.201
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>0.376</u>

BALANCE ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.019
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.098)
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.006)
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.056
BALANCE ADJUSTMENT (BA)	\$/MCF	<u>(0.029)</u>

THIS MONTHLY REPORT FILED PURSUANT TO CASE NO. 2003-00386  
OF THE KENTUCKY PUBLIC SERVICE COMMISSION DATED November 6, 2003

DATE FILED: April 11, 2016

BY: DON WATHEN

TITLE: DIRECTOR,  
Rates & Regulatory Strategy - OH/KY

**PURCHASED GAS ADJUSTMENT**  
**COMPANY NAME: DUKE ENERGY KENTUCKY, INC.**

**SUPPLEMENTAL MONTHLY REPORT**

**EXPECTED GAS COST RATE CALCULATION**

DETAILS FOR THE EGC RATE IN EFFECT AS OF  
PROJECTED VOLUME FOR THE TWELVE MONTH PERIOD ENDED

May 2, 2017  
February 28, 2018

			<u>\$</u>
<b><u>DEMAND (FIXED) COSTS:</u></b>			
Columbia Gas Transmission Corp.			3,251,527
Columbia Gulf Transmission Corp.			1,023,975
Tennessee Gas Pipeline Company, LLC			677,414
KO Transmission Company			2,260,915
Texas Gas Transmission			684,090
Gas Marketers			<u>119,506</u>
	<b>TOTAL DEMAND COST:</b>		<u><u>8,017,427</u></u>
PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES:	9,208,024	MCF	
<b>DEMAND (FIXED) COMPONENT OF EGC RATE</b>	<b>\$8,017,427</b>	/	<b>9,208,024 MCF</b>
			<b>\$0.871 /MCF</b>
 <b><u>COMMODITY COSTS:</u></b>			
Gas Marketers			\$3.617 /MCF
Gas Storage			/MCF
Columbia Gas Transmission			\$0.000 /MCF
ANR			\$0.000
Propane			<u>\$0.000 /MCF</u>
<b>COMMODITY COMPONENT OF EGC RATE:</b>			<b>\$3.617</b>
 <b><u>OTHER COSTS:</u></b>			
Net Charge Off <sup>(1)</sup>	\$17,952	/	204,098
			<b>\$0.088 /MCF</b>
<b>TOTAL EXPECTED GAS COST:</b>			<u><u><b>\$4.576 /MCF</b></u></u>

<sup>(1)</sup> Net Charge Off amount from Case No. 2009-00202 WPD-2.15a.

**GAS COST ADJUSTMENT  
DUKE ENERGY KENTUCKY, INC.**

**DETAILS FOR THE EGC RATE IN EFFECT AS OF : MAY 2, 2017**



**GAS COMMODITY RATE FOR MAY 2017:**

**GAS MARKETERS :**

<b>WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):</b>				
DUKE ENERGY KENTUCKY FUEL	2.700%	\$0.0880	\$3.2585	\$/Dth
DTH TO MCF CONVERSION	1.0809	\$0.2707	\$3.3465	\$/Dth
ESTIMATED WEIGHTING FACTOR	100.000%		\$3.6172	\$/Mcf
<b>GAS MARKETERS COMMODITY RATE</b>			<b>\$3.617</b>	<b>\$/Mcf</b>

**GAS STORAGE :**

<b>COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE</b>				
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE		\$0.0153	\$3.1971	\$/Dth
COLUMBIA GAS TRANS. SST FUEL	1.432%	\$0.0460	\$3.2124	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0209	\$3.2584	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0013	\$3.2793	\$/Dth
DUKE ENERGY KENTUCKY FUEL	2.700%	\$0.0886	\$3.2806	\$/Dth
DTH TO MCF CONVERSION	1.0809	\$0.2726	\$3.3692	\$/Dth
ESTIMATED WEIGHTING FACTOR	0.000%		\$3.6418	\$/Mcf
<b>GAS STORAGE COMMODITY RATE - COLUMBIA GAS</b>			<b>\$0.000</b>	<b>\$/Mcf</b>

**GAS STORAGE**

<b>ANR - STORAGE INVENTORY RATE</b>				
ANR FSS WITHDRAWAL FEE		\$0.0000	\$0.0000	\$/Dth
ANR FTS FUEL	0.000%	\$0.0000	\$0.0000	\$/Dth
DTH TO MCF CONVERSION	0.0000	\$0.0000	\$0.0000	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.000%		\$0.0000	\$/Mcf
<b>GAS STORAGE COMMODITY RATE - ANR</b>			<b>\$0.000</b>	<b>\$/Mcf</b>

**PROPANE :**

<b>ERLANGER PROPANE INVENTORY RATE</b>				
GALLON TO MCF CONVERSION	15.38	\$11.0027	\$0.76514	\$/Gallon
ESTIMATED WEIGHTING FACTOR	0.0000%		\$11.7678	\$/Mcf
<b>PROPANE COMMODITY RATE</b>			<b>\$0.000</b>	<b>\$/Mcf</b>

(1) Weighted average cost of gas based on NYMEX prices on 04/07/2017 and contracted hedging prices.