

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

PARTICULARS	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	3.728
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	(0.005)
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.307
BALANCE ADJUSTMENT (BA)	\$/MCF	0.013
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA +BA	\$/MCF	<u>4.043</u>

GAS COST RECOVERY RATE EFFECTIVE DATES: May 1, 2019 THROUGH May 30, 2019

EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	3.728

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	(0.003)
SECOND PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	(0.002)
THIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	0.000
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	<u>(0.005)</u>

ACTUAL ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.458
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.090
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.345)
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.104
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>0.307</u>

BALANCE ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	(0.009)
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.023
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.003
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.004)
BALANCE ADJUSTMENT (BA)	\$/MCF	<u>0.013</u>

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

DATE FILED April 10, 2019

BY DON WATHEN

TITLE DIRECTOR,  
Rates & Regulatory Strategy - OH/K

**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 1, 2019  
February 29, 2020

		<u>\$</u>	
<b><u>DEMAND (FIXED) COSTS:</u></b>			
Columbia Gas Transmission Corp.		3,203,701	
Columbia Gulf Transmission Corp.		1,023,975	
Tennessee Gas Pipeline Company, LLC		676,255	
KO Transmission Company		1,943,654	
Texas Gas Transmission		536,304	
Gas Marketers		91,800	
	<b>TOTAL DEMAND COST:</b>	<u>7,475,689</u>	
PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES		9,298,713	MCF
<b>DEMAND (FIXED) COMPONENT OF EGC RATE</b>	<b>\$7,475,689 /</b>	<b>9,298,713</b>	<b>MCF</b>
		<b>\$0.804 /MCF</b>	
 <b><u>COMMODITY COSTS:</u></b>			
Gas Marketers		\$2.838	/MCF
Gas Storage			
Columbia Gas Transmission		\$0.000	/MCF
ANR		\$0.000	/MCF
Propane		\$0.000	/MCF
<b>COMMODITY COMPONENT OF EGC RATE:</b>		<u>\$2.838</u>	
 <b><u>OTHER COSTS:</u></b>			
Net Charge Off <sup>(1)</sup>	\$17,952 /	209,941	\$0.086 /MCF
<b>TOTAL EXPECTED GAS COST:</b>		<u><u>\$3.728</u></u>	<b>/MCF</b>

<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 1, 2019**



**GAS COMMODITY RATE FOR MAY 2019:**

GAS MARKETERS :

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$2.5776	\$/Dth
DUKE ENERGY KENTUCKY FUEL	2.500%	\$0.0644	\$2.6420	\$/Dth
DTH TO MCF CONVERSION	1.0742	\$0.1960	\$2.8380	\$/Mcf
ESTIMATED WEIGHTING FACTOR	100.000%		\$2.8380	\$/Mcf
<b>GAS MARKETERS COMMODITY RATE</b>			<b>\$2.838</b>	<b>\$/Mcf</b>

GAS STORAGE :

COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE			\$2.9112	\$/Dth
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE		\$0.0153	\$2.9265	\$/Dth
COLUMBIA GAS TRANS. SST FUEL	1.492%	\$0.0437	\$2.9702	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0160	\$2.9862	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0013	\$2.9875	\$/Dth
DUKE ENERGY KENTUCKY FUEL	2.500%	\$0.0747	\$3.0622	\$/Dth
DTH TO MCF CONVERSION	1.0742	\$0.2272	\$3.2894	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.000%		\$0.0000	\$/Mcf
<b>GAS STORAGE COMMODITY RATE - COLUMBIA GAS</b>			<b>\$0.000</b>	<b>\$/Mcf</b>

GAS STORAGE

ANR - STORAGE INVENTORY RATE			\$0.0000	\$/Dth
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 :

ERLANGER PROPANE INVENTORY RATE			\$0.87056	\$/Gallon
GALLON TO MCF CONVERSION	15.38	\$12.5187	\$13.3893	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.000%		\$0.0000	\$/Mcf
<b>PROPANE COMMODITY RATE</b>			<b>\$0.000</b>	<b>\$/Mcf</b>

(1) Weighted average cost of gas based on NYMEX prices on 4/8/2019 and contracted hedging prices.