

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

PARTICULARS	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	4.034
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	(0.005)
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.145
BALANCE ADJUSTMENT (BA)	\$/MCF	0.014
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA +BA	\$/MCF	<u>4.188</u>

GAS COST RECOVERY RATE EFFECTIVE DATES: January 31, 2019 THROUGH February 28, 2019

EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	4.034

SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	(0.003)
PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	(0.002)
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>(0.005)</u>

ACTUAL ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.090
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.345)
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.104
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.296
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>0.145</u>

BALANCE ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.023
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.003
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.004)
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.008)
BALANCE ADJUSTMENT (BA)	\$/MCF	<u>0.014</u>

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

DATE FILED: January 10, 2019

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 ENDEDJanuary 31, 2019  
November 30, 2019**DEMAND (FIXED) COSTS:**

	<u>\$</u>
Columbia Gas Transmission Corp.	3,215,122
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><u>7,487,110</u></u>

PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES 9,193,388 MCF

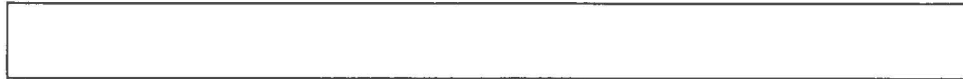
DEMAND (FIXED) COMPONENT OF EGC RATE \$7,487,110 / 9,193,388 MCF **\$0.814 /MCF****COMMODITY COSTS:**

Gas Marketers	\$2.685 /MCF
Gas Storage	
Columbia Gas Transmission	\$0.438 /MCF
ANR	\$0.000 /MCF
Propane	\$0.086 /MCF
<b>COMMODITY COMPONENT OF EGC RATE:</b>	<u><u>\$3.209</u></u>

**OTHER COSTS:**Net Charge Off <sup>(1)</sup> \$17,952 / 1,705,509 **\$0.011 /MCF****TOTAL EXPECTED GAS COST:****\$4.034 /MCF**<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: JANUARY 31, 2019**



**GAS COMMODITY RATE FOR FEBRUARY 2019:**

GAS MARKETERS :

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$2.8199	\$/Dth
DUKE ENERGY KENTUCKY FUEL	2.500%	\$0.0705	\$2.8904	\$/Dth
DTH TO MCF CONVERSION	1.0791	\$0.2286	\$3.1190	\$/Mcf
ESTIMATED WEIGHTING FACTOR	86.068%		\$2.6845	\$/Mcf
<b>GAS MARKETERS COMMODITY RATE</b>			<b>\$2.685</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	1.454%	\$0.0426	\$2.9691	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0187	\$2.9878	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0013	\$2.9891	\$/Dth
DUKE ENERGY KENTUCKY FUEL	2.500%	\$0.0747	\$3.0638	\$/Dth
DTH TO MCF CONVERSION	1.0791	\$0.2423	\$3.3061	\$/Mcf
ESTIMATED WEIGHTING FACTOR	13.247%		\$0.4380	\$/Mcf
<b>GAS STORAGE COMMODITY RATE - COLUMBIA GAS</b>			<b>\$0.438</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			\$0.81177	\$/Gallon
GALLON TO MCF CONVERSION	15.38	\$11.6733	\$12.4851	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.685%		\$0.0855	\$/Mcf
<b>PROPANE COMMODITY RATE</b>			<b>\$0.086</b>	<b>\$/Mcf</b>

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