

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

PARTICULARS	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	5.658
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>5.812</u>

GAS COST RECOVERY RATE EFFECTIVE DATES: January 2, 2019 THROUGH January 30, 2019

EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	5.658

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	<u>0.000</u>
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	(0.005)

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	<u>0.296</u>
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.145

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	<u>(0.008)</u>
BALANCE ADJUSTMENT (BA)	\$/MCF	0.014

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

DATE FILED: December 12, 2018

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

January 2, 2019
November 30, 2019

		\$
<u>DEMAND (FIXED) COSTS:</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		<u>91,800</u>
	TOTAL DEMAND COST:	<u>7,487,110</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
 <u>COMMODITY COSTS:</u>		
Gas Marketers		\$4.087 /MCF
Gas Storage		
Columbia Gas Transmission		\$0.470 /MCF
ANR		\$0.000 /MCF
Propane		<u>\$0.278 /MCF</u>
COMMODITY COMPONENT OF EGC RATE:		\$4.835
 <u>OTHER COSTS:</u>		
Net Charge Off ⁽¹⁾	\$17,952	/ 2,041,809 \$0.009 /MCF
TOTAL EXPECTED GAS COST:		<u><u>\$5.658 /MCF</u></u>

⁽¹⁾ 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 2, 2019



GAS COMMODITY RATE FOR JANUARY 2019:

GAS MARKETERS :

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$4.4062	\$/Dth
DUKE ENERGY KENTUCKY FUEL	2.500%	\$0.1102	\$4.5164	\$/Dth
DTH TO MCF CONVERSION	1.0808	\$0.3649	\$4.8813	\$/Mcf
ESTIMATED WEIGHTING FACTOR	83.721%		\$4.0867	\$/Mcf
GAS MARKETERS COMMODITY RATE			\$4.087	\$/Mcf

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	1.0808	\$0.2476	\$3.3114	\$/Mcf
ESTIMATED WEIGHTING FACTOR	14.180%		\$0.4696	\$/Mcf
GAS STORAGE COMMODITY RATE - COLUMBIA GAS			\$0.470	\$/Mcf

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
GAS STORAGE COMMODITY RATE - ANR			\$0.000	\$/Mcf

PROPANE :

ERLANGER PROPANE INVENTORY RATE			\$0.86120	\$/Gallon
GALLON TO MCF CONVERSION	15.38	\$12.3841	\$13.2453	\$/Mcf
ESTIMATED WEIGHTING FACTOR	2.099%		\$0.2780	\$/Mcf
PROPANE COMMODITY RATE			\$0.278	\$/Mcf

(1) Weighted average cost of gas based on NYMEX prices on 12/7/2018 and contracted hedging prices.