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

PARTICULARS EXPECTED GAS COST (EGC) SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA) ACTUAL ADJUSTMENT (AA) BALANCE ADJUSTMENT (BA) GAS COST RECOVERY RATE EFFECTIVE DATES: January 2, 2019 THROUGH January 30, 20 EXPECTED GAS COST CALCULATION DESCRIPTION TOTAL EXPECTED GAS COST COMPONENT (EGC)  SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUMMARY CALCULATION PARTICULARS CURRENT QUARTERLY SUPPLIER REFUND & RECONCILIATION ADJUSTMENT SECOND PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT THIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT THIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT THIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT THIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUPPLIER REFUND & RECONCILIATION ADJUSTMENT SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUPPLIER REFUND & RECONCI	UNIT \$/MCF \$/MCF \$/MCF \$/MCF \$/MCF UNIT \$/MCF	AMOUNT 5.658 (0.005 0.145 0.014 5.812 AMOUNT 5.658
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BALANCE ADJUSTMENT (BÁ) BAS COST RECOVERY RATE (GCR) = EGC + RA + AA +BA GAS COST RECOVERY RATE EFFECTIVE DATES: January 2, 2019 THROUGH January 30, 20 EXPECTED GAS COST CALCULATION DESCRIPTION TOTAL EXPECTED GAS COST COMPONENT (EGC) SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUMMARY CALCULATION PARTICULARS SURRENT QUARTERLY SUPPLIER REFUND & RECONCILIATION ADJUSTMENT PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT FIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT FIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT FIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT FURD PREVIONS PREVI	\$/MCF \$/MCF 019 UNIT	0.01- 5.813 AMOUNT
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SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	0.000
ACTUAL ADJUSTMENT SUMMARY CALCULATION	\$/MCF	0.00
	\$/MCF	(0.005
PARTICULARS		
	UNIT	AMOUNT
URRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.090
REVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.34
ECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.10
HIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.29
CTUAL ADJUSTMENT (AA)	\$/MCF	0.145
BALANCE ADJUSTMENT SUMMARY CALCULATION		
PARTICULARS	UNIT	AMOUNT
	¢/мог	0.023
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.02

CONTENT COATTENET ACTORE ADJOCTMENT		φ/100	0.020
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT		\$/MCF	0.003
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJU	ISTMENT	\$/MCF	(0.004)
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUS	MENT	\$/MCF	(0.008)
BALANCE ADJUSTMENT (BA)		\$/MCF	0.014
THIS MONTHLY REPORT FILED PURSUANT TO CASE NO.	2003-00386		
THIS MONTHLY REPORT FILED PURSUANT TO CASE NO.	2003-00366		
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

Attachment 7	1
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## PURCHASED GAS ADJUSTMENT COMPANY NAME: DUKE ENERGY KENTUCKY, INC.

### SUPPLEMENTAL MONTHLY REPORT

# EXPECTED GAS COST RATE CALCULATION

			January 2, 2019 November 30, 2019			
DEMAND (FIXED) COSTS: Columbia Gas Transmission Corp. Columbia Gulf Transmission Corp. Tennessee Gas Pipeline Company, LLC KO Transmission Company Texas Gas Transmission Gas Marketers	MAND COST:				\$ 3,215,122 1,023,975 676,255 1,943,654 536,304 91,800 7,487,110	-
PROJECTED GAS SALES LESS SPECIAL CONTRAC	CT 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					\$4.087	/MCF
Gas Storage Columbia Gas Transmission ANR Propane COMMODITY COMPONENT OF EGC RATE:					\$0.470 \$0.000 \$0.278 <b>\$4.835</b>	/MCF
OTHER COSTS: Net Charge Off <sup>(1)</sup>	\$17,952	/	2,041,809		\$0.009	/MCF
TOTAL EXPECTED GAS COST:					\$5.658	/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 2, 2019

GAS COMMODITY RATE FOR JANUARY 2019:				
GAS MARKETERS :				
WEIGHTED AVERAGE GAS COST @ CITY GATE (\$	5/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 RA	TE		\$4.087	\$/Mcf
GAS STORAGE :				
COLUMBIA GAS TRANS STORAGE INVENTORY I	RATE		\$2.9112	\$/Dth
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE	UTL	\$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 <b>\$0.470</b>	\$/Mcf
GAS STORAGE COMMODITY RATE - COLUMBIA GAS				\$/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%	<i><b>Q</b></i> <b>0000000000000</b>	\$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.