

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

PARTICULARS	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	4.042
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	(0.008)
ACTUAL ADJUSTMENT (AA)	\$/MCF	(0.117)
BALANCE ADJUSTMENT (BA)	\$/MCF	0.022
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA +BA	\$/MCF	<u>3.939</u>

GAS COST RECOVERY RATE EFFECTIVE DATES: October 30, 2017 THROUGH November 29, 2017

EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	4.042

SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	(0.008)
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>(0.008)</u>

ACTUAL ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	(0.265)
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.082)
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.205
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.025
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>(0.117)</u>

BALANCE ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.050
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.051
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.019
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.098)
BALANCE ADJUSTMENT (BA)	\$/MCF	<u>0.022</u>

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

DATE FILED October 9, 2017

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

October 30, 2017
August 31, 2018

		<u>\$</u>	
<u>DEMAND (FIXED) COSTS:</u>			
Columbia Gas Transmission Corp.		3,251,527	
Columbia Gulf Transmission Corp.		1,023,975	
Tennessee Gas Pipeline Company, LLC		677,414	
KO Transmission Company		1,838,592	
Texas Gas Transmission		684,090	
Gas Marketers		119,506	
	TOTAL DEMAND COST:	<u>7,595,104</u>	
PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES	9,238,156 MCF		
DEMAND (FIXED) COMPONENT OF EGC RATE	\$7,595,104 / 9,238,156 MCF	\$0.822 /MCF	
<u>COMMODITY COSTS:</u>			
Gas Marketers		\$2.827 /MCF	
Gas Storage			
Columbia Gas Transmission		\$0.359 /MCF	
ANR		\$0.000 /MCF	
Propane		<u>\$0.014 /MCF</u>	
COMMODITY COMPONENT OF EGC RATE:		\$3.200	
<u>OTHER COSTS:</u>			
Net Charge Off ⁽¹⁾	\$17,952 / 895,490	\$0.020 /MCF	
TOTAL EXPECTED GAS COST:		<u>\$4.042 /MCF</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 : OCTOBER 30, 2017



GAS COMMODITY RATE FOR NOVEMBER 2017:

GAS MARKETERS :

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$2.8314	\$/Dth
DUKE ENERGY KENTUCKY FUEL	2.700%	\$0.0764	\$2.9078	\$/Dth
DTH TO MCF CONVERSION	1.0806	\$0.2344	\$3.1422	\$/Mcf
ESTIMATED WEIGHTING FACTOR	89.976%		\$2.8272	\$/Mcf
GAS MARKETERS COMMODITY RATE			\$2.827	\$/Mcf

GAS STORAGE :

COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE			\$3.1811	\$/Dth
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE		\$0.0153	\$3.1964	\$/Dth
COLUMBIA GAS TRANS. SST FUEL	1.432%	\$0.0458	\$3.2422	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0209	\$3.2631	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0013	\$3.2644	\$/Dth
DUKE ENERGY KENTUCKY FUEL	2.700%	\$0.0881	\$3.3525	\$/Dth
DTH TO MCF CONVERSION	1.0806	\$0.2702	\$3.6227	\$/Mcf
ESTIMATED WEIGHTING FACTOR	9.909%		\$0.3590	\$/Mcf
GAS STORAGE COMMODITY RATE - COLUMBIA GAS			\$0.359	\$/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			\$0.76498	\$/Gallon
GALLON TO MCF CONVERSION	15.38	\$11.0004	\$11.7654	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.1150%		\$0.0135	\$/Mcf
PROPANE COMMODITY RATE			\$0.014	\$/Mcf

(1) Weighted average cost of gas based on NYMEX prices on 10/05/2017 and contracted hedging prices.