

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

PARTICULARS	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	3.797
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	(0.017)
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.046
BALANCE ADJUSTMENT (BA)	\$/MCF	0.080
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA +BA	\$/MCF	<u>3.906</u>

GAS COST RECOVERY RATE EFFECTIVE DATES:

April 2, 2018 THROUGH April 30, 2018

EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	3.797

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	(0.009)
SECOND PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	(0.008)
THIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	0.000
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	<u>(0.017)</u>

ACTUAL ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.296
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.097
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.265)
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.082)
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>0.046</u>

BALANCE ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	(0.008)
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.013)
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.050
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.051
BALANCE ADJUSTMENT (BA)	\$/MCF	<u>0.080</u>

THIS MONTHLY REPORT FILED PURSUANT TO CASE NO
OF THE KENTUCKY PUBLIC SERVICE COMMISSION DATED

2003-00386
November 6, 2003

DATE FILED: March 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

April 2, 2018
November 30, 2018

DEMAND (FIXED) COSTS:

	\$
Columbia Gas Transmission Corp.	3,379,298
Columbia Gulf Transmission Corp.	1,200,125
Tennessee Gas Pipeline Company, LLC	677,580
KO Transmission Company	1,943,654
Texas Gas Transmission	0
Gas Marketers	94,842
TOTAL DEMAND COST:	<u>7,295,499</u>

PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES: 9,080,707 MCF

DEMAND (FIXED) COMPONENT OF EGC RATE \$7,295.499 / 9,080,707 MCF **\$0.803 /MCF**

COMMODITY COSTS:

Gas Marketers	\$2.957 /MCF
Gas Storage	
Columbia Gas Transmission	\$0.000 /MCF
ANR	\$0.000 /MCF
Propane	\$0.000 /MCF
COMMODITY COMPONENT OF EGC RATE:	<u>\$2.957</u>

OTHER COSTS:

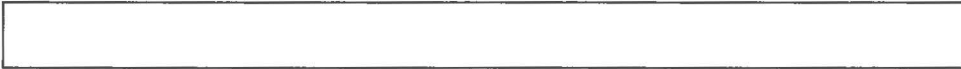
Net Charge Off ⁽¹⁾ \$17,952 / 479,614 **\$0.037 /MCF**

TOTAL EXPECTED GAS COST: \$3.797 /MCF

⁽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 : April 2, 2018



GAS COMMODITY RATE FOR APRIL 2018:

GAS MARKETERS :

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$2.6484	\$/Dth
DUKE ENERGY KENTUCKY FUEL	1.900%	\$0.0503	\$2.6987	\$/Dth
DTH TO MCF CONVERSION	1.0957	\$0.2583	\$2.9570	\$/Mcf
ESTIMATED WEIGHTING FACTOR	100.000%		\$2.9570	\$/Mcf
GAS MARKETERS COMMODITY RATE			\$2.957	\$/Mcf

GAS STORAGE :

COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE			\$3.1751	\$/Dth
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE		\$0.0153	\$3.1904	\$/Dth
COLUMBIA GAS TRANS. SST FUEL	1.454%	\$0.0464	\$3.2368	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0209	\$3.2577	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0013	\$3.2590	\$/Dth
DUKE ENERGY KENTUCKY FUEL	1.900%	\$0.0619	\$3.3209	\$/Dth
DTH TO MCF CONVERSION	1.0957	\$0.3178	\$3.6387	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.000%		\$0.0000	\$/Mcf
GAS STORAGE COMMODITY RATE - COLUMBIA GAS			\$0.000	\$/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			\$0.78011	\$/Gallon
GALLON TO MCF CONVERSION	15.38	\$11.2180	\$11.9981	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.000%		\$0.0000	\$/Mcf
PROPANE COMMODITY RATE			\$0.000	\$/Mcf

(1) Weighted average cost of gas based on NYMEX prices on 3/8/2018 and contracted hedging prices.