

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

PARTICULARS	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	3.949
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	(0.017)
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.232
BALANCE ADJUSTMENT (BA)	\$/MCF	0.025
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA +BA	\$/MCF	<u>4.189</u>

GAS COST RECOVERY RATE EFFECTIVE DATES: June 29, 2018 THROUGH July 30, 2018

EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	3.949

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

ACTUAL ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.104
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.296
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.097
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.265)
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>0.232</u>

BALANCE ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	(0.004)
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.008)
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.013)
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.050
BALANCE ADJUSTMENT (BA)	\$/MCF	<u>0.025</u>

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

DATE FILED: June 7, 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

June 29, 2018
May 31, 2019

DEMAND (FIXED) COSTS:

	\$
Columbia Gas Transmission Corp.	3,215,122
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:	7,131,323

PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES 9,097,227 MCF

DEMAND (FIXED) COMPONENT OF EGC RATE \$7,131,323 / 9,097,227 MCF **\$0.784 /MCF**

COMMODITY COSTS:

Gas Marketers	\$3.052 /MCF
Gas Storage	
Columbia Gas Transmission	\$0.000 /MCF
ANR	\$0.000 /MCF
Propane	\$0.000 /MCF
COMMODITY COMPONENT OF EGC RATE:	\$3.052

OTHER COSTS:

Net Charge Off ⁽¹⁾ \$17,952 / 158,281 **\$0.113 /MCF**

TOTAL EXPECTED GAS COST: \$3.949 /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 : June 28, 2018



GAS COMMODITY RATE FOR JULY 2018:

GAS MARKETERS :

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$2.7790	\$/Dth
DUKE ENERGY KENTUCKY FUEL	1.900%	\$0.0528	\$2.8318	\$/Dth
DTH TO MCF CONVERSION	1.0778	\$0.2203	\$3.0521	\$/Mcf
ESTIMATED WEIGHTING FACTOR	100.000%		\$3.0521	\$/Mcf
GAS MARKETERS COMMODITY RATE			\$3.052	\$/Mcf

GAS STORAGE :

COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE			\$3.0797	\$/Dth
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE		\$0.0153	\$3.0950	\$/Dth
COLUMBIA GAS TRANS. SST FUEL	1.454%	\$0.0450	\$3.1400	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0187	\$3.1587	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0013	\$3.1600	\$/Dth
DUKE ENERGY KENTUCKY FUEL	1.900%	\$0.0600	\$3.2200	\$/Dth
DTH TO MCF CONVERSION	1.0778	\$0.2505	\$3.4705	\$/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			\$0.86120	\$/Gallon
GALLON TO MCF CONVERSION	15.38	\$12.3841	\$13.2453	\$/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 6/5/2018 and contracted hedging prices.