



Duke Energy
139 E. Fourth Street
Cincinnati, OH 45202

December 12, 2017

Public Utilities Commission of Ohio
ATTN: Docketing Division
11th Floor
180 East Broad Street
Columbus, Ohio 43215-3793

Docketing Division:

Enclosed for filing is the Duke Energy Ohio ("Duke") gas cost recovery (GCR) report, as required by Section 4901:1-14, O.A.C., for the month commencing January 2018. This filing is based on supplier tariff rates expected to be in effect on January 2, 2018 and the NYMEX close of December 8, 2017 for the month of January 2018.

Duke's GCR rate effective January 2018 is \$4.808 per MCF, which represents a decrease of \$0.067 per MCF from the current GCR rate in effect for December 2017.

Very truly yours,

A handwritten signature in black ink that reads "Douglas J. Heitkamp". The signature is written in a cursive style.

Douglas J. Heitkamp

Enclosure

cc: Mr. Robert Clark
J. Kern

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**COMPANY NAME: DUKE ENERGY OHIO
 GAS COST RECOVERY RATE CALCULATIONS
 SUPPLEMENTAL MONTHLY REPORT**

PARTICULARS	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	4.178000
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	(0.016000)
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>0.646000</u>
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA	\$/MCF	<u><u>4.808000</u></u>

GAS COST RECOVERY RATE EFFECTIVE DATES: January 2, 2018 THROUGH January 30, 2018

EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	4.178000

SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	(0.009000)
PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	(0.007000)
SECOND PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	0.000000
THIRD PREVIOUS QUARTERLY REPORTED SUPPLIER REFUND & RECONCILIATION ADJUSTMENT	\$/MCF	<u>0.000000</u>
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	<u>(0.016000)</u>

ACTUAL ADJUSTMENT SUMMARY CALCULATION

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	0.377000
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.060000)
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.109000)
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	<u>0.438000</u>
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>0.646000</u>

THIS MONTHLY REPORT FILED PURSUANT TO ORDER NO 76-515-GA-ORD
 OF THE PUBLIC UTILITIES COMMISSION OF OHIO, DATED OCTOBER 18, 1979.

DATE FILED: December 12, 2017

BY: DON WATHEN

TITLE: DIRECTOR,
Rates & Regulatory Strategy - OH/KY

PURCHASED GAS ADJUSTMENT
COMPANY NAME: DUKE ENERGY OHIO
SUPPLEMENTAL MONTHLY REPORT

EXPECTED GAS COST RATE CALCULATION

DETAILS FOR THE EGC RATE IN EFFECT AS OF January 2, 2018
 PROJECTED VOLUME FOR THE TWELVE MONTH PERIOD ENDED November 30, 2018

<u>DEMAND COSTS</u>	DEMAND EXPECTED GAS COST AMT (\$)	MISC EXPECTED GAS COST AMT (\$)	TOTAL DEMAND EXPECTED GAS COST AMT (\$)
INTERSTATE PIPELINE SUPPLIERS (SCH. I-A)			
Columbia Gas Transmission Corp.	18,371,303	0	18,371,303
Duke Energy Kentucky	522,072	0	522,072
Columbia Gulf Transmission Co.	2,389,275	0	2,389,275
Texas Gas Transmission Corp.	5,808,400	0	5,808,400
K O Transmission Company	4,698,624	0	4,698,624
Tennessee Gas	707,040	0	707,040
PRODUCER/MARKETER (SCH. I - A)	137,113	0	137,113
SYNTHETIC (SCH. I - A)			
OTHER GAS COMPANIES (SCH. I - B)			
OHIO PRODUCERS (SCH. I - B)			
SELF-HELP ARRANGEMENTS (SCH. I - B)		(17,523,781)	(17,523,781)
SPECIAL PURCHASES (SCH. I - B)			
TOTAL DEMAND COSTS:	32,633,827	(17,523,781)	15,110,046

PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES 18,246,894 /MCF
 DEMAND (FIXED) COMPONENT OF EGC RATE: **\$0.828**

COMMODITY COSTS:

GAS MARKETERS	\$2.118	/MCF
GAS STORAGE		/MCF
COLUMBIA GAS TRANSMISSION	\$0.814	/MCF
TEXAS GAS TRANSMISSION	\$0.157	/MCF
PROPANE	\$0.220	/MCF
STORAGE CARRYING COSTS	\$0.041	/MCF
COMMODITY COMPONENT OF EGC RATE:	\$3.350	

TOTAL EXPECTED GAS COST: **\$4.178** /MCF

**PURCHASED GAS ADJUSTMENT
 COMPANY NAME: DUKE ENERGY OHIO**

SUPPLEMENTAL MONTHLY REPORT

PRIMARY GAS SUPPLIER / TRANSPORTER

DETAILS FOR THE EGC IN EFFECT AS OF January 2, 2018 AND THE PROJECTED
 VOLUME FOR THE TWELVE MONTH PERIOD ENDED November 30, 2018

SUPPLIER OR TRANSPORTER NAME Commodity Costs
 TARIFF SHEET REFERENCE _____
 EFFECTIVE DATE OF TARIFF _____ RATE SCHEDULE NUMBER _____

TYPE GAS PURCHASED NATURAL LIQUIFIED SYNTHETIC
 UNIT OR VOLUME TYPE MCF CCF OTHER
 PURCHASE SOURCE INTERSTATE INTRASTATE

GAS COMMODITY RATE FOR DECEMBER 2017:

GAS MARKETERS :

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$2.7331	\$/Dth
DUKE ENERGY OHIO FUEL	0.900%	\$0.0246	\$2.7577	\$/Dth
DTH TO MCF CONVERSION	1.0744	\$0.2052	\$2.9629	\$/Mcf
ESTIMATED WEIGHTING FACTOR	71.471%		\$2.1176	\$/Mcf
GAS MARKETERS COMMODITY RATE			\$2.118	\$/Mcf

GAS STORAGE :

COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE (Not applicable during injection months)			\$3.3664	\$/Dth
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE		\$0.0153	\$3.3817	\$/Dth
COLUMBIA GAS TRANS. SST FUEL	1.432%	\$0.0484	\$3.4301	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0222	\$3.4523	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0013	\$3.4536	\$/Dth
DUKE ENERGY OHIO FUEL	0.900%	\$0.0311	\$3.4847	\$/Dth
DTH TO MCF CONVERSION	1.0744	\$0.2593	\$3.7440	\$/Mcf
ESTIMATED WEIGHTING FACTOR	21.736%		\$0.8138	\$/Mcf
GAS STORAGE COMMODITY RATE - COLUMBIA GAS			\$0.814	\$/Mcf
TEXAS GAS TRANSMISSION - STORAGE INVENTORY RATE (Not applicable during payback months)			\$2.8577	\$/Dth
TEXAS GAS COMMODITY RATE		\$0.0627	\$2.9204	\$/Dth
DUKE ENERGY OHIO FUEL	0.900%	\$0.0263	\$2.9467	\$/Dth
DTH TO MCF CONVERSION	1.0744	\$0.2192	\$3.1659	\$/Mcf
ESTIMATED WEIGHTING FACTOR	4.957%		\$0.1569	\$/Mcf
GAS STORAGE COMMODITY RATE - TEXAS GAS			\$0.157	\$/Mcf

PROPANE :

WEIGHTED AVERAGE PROPANE INVENTORY RATE			\$0.77774	\$/Gal
GALLON TO MCF CONVERSION	15.38	\$11.1839	\$11.9616	\$/Mcf
ESTIMATED WEIGHTING FACTOR	1.836%		\$0.2196	\$/Mcf
PROPANE COMMODITY RATE			\$0.220	\$/Mcf

FOOTNOTE NO. (1) Weighted average cost of gas based on NYMEX prices on 12/8/2017 and contracted hedging prices.

**PURCHASED GAS ADJUSTMENT
COMPANY NAME: DUKE ENERGY OHIO**

SUPPLEMENTAL MONTHLY REPORT

ESTIMATED COST OF GAS INJECTED AND WITHDRAWN FROM STORAGE

Details for the EGC Rate in Effect as of January 2, 2018

<u>Month</u>	<u>Beginning Storage Inventory</u>	<u>Monthly Storage Activity</u>			<u>Ending Storage Inventory</u>
		<u>Injected</u>	<u>Withdrawn</u>	<u>Financial Hedges</u>	
November 2017	\$29,064,642	\$0	\$1,302,132	\$0	\$27,762,510
December 2017	\$27,762,510	\$0	\$4,253,311	\$0	\$23,509,199
January 2018	\$23,509,199	\$0	\$7,581,000	\$0	\$15,928,199

**PURCHASED GAS ADJUSTMENT
 COMPANY NAME: DUKE ENERGY OHIO**

SUPPLEMENTAL MONTHLY REPORT

ESTIMATED CONTRACT STORAGE CARRYING COSTS

Details for the EGC Rate in Effect as of January 2, 2018

Line No.	Ending Storage Balance Month	Estimated		Avg. Storage		Estimated Monthly MCF	\$/MCF
		Ending Storage Inventory (Schedule I - C)	Average Monthly Storage Inventory Balance	Balance times Monthly Cost of Capital (1)			
1	November 2017	\$27,762,510		0.8333%			
2	December 2017	\$23,509,199	\$25,635,855				
3	January 2018	\$15,928,199	\$19,718,699	\$164,316	4,001,372	\$0.041	

Note (1): 10% divided by 12 months = 0.8333%

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

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in

Case No(s). 17-0218-GA-GCR, 89-8002-GA-TRF

Summary: Tariff Duke Energy Ohio GCR January 2018 electronically filed by Mrs. Julie A. Lee on behalf of Duke Energy Ohio and Heitkamp, Douglas J. and Lee, Julie Ann Mrs.