



Duke Energy  
139 E. Fourth Street  
Cincinnati, OH 45202

October 6, 2016

Public Utilities Commission of Ohio  
ATTN: Docketing Division  
11<sup>th</sup> 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 November 2016. This filing is based on supplier tariff rates expected to be in effect on October 28, 2016 and the NYMEX close of October 4, 2016 for the month of November 2016.

Duke's GCR rate effective November 2016 is \$4.552 per MCF, which represents a decrease of \$0.267 per MCF from the current GCR rate in effect for October 2016.

Very truly yours,

A handwritten signature in cursive script that reads 'Dana Patten'.

Dana Patten

Enclosure

cc: Mr. Robert Clark  
L. Schmidt

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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	4.279000
SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA)	\$/MCF	0.000000
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.273000
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA	\$/MCF	<u>4.552000</u>

GAS COST RECOVERY RATE EFFECTIVE DATES: October 28, 2016 THROUGH November 29, 2016

**EXPECTED GAS COST CALCULATION**

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	4.279000

**SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT SUMMARY CALCULATION**

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

**ACTUAL ADJUSTMENT SUMMARY CALCULATION**

PARTICULARS	UNIT	AMOUNT
CURRENT QUARTERLY ACTUAL ADJUSTMENT	\$/MCF	(0.191000)
PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.011000
SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.329000
THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.124000
ACTUAL ADJUSTMENT (AA)	\$/MCF	<u>0.273000</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: October 6, 2016

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 October 28, 2016  
PROJECTED VOLUME FOR THE TWELVE MONTH PERIOD ENDED August 30, 2017

<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.	17,802,304	0	17,802,304
Duke Energy Kentucky	522,072	0	522,072
Columbia Gulf Transmission Co.	2,389,275	0	2,389,275
Texas Gas Transmission Corp.	5,039,029	0	5,039,029
K O Transmission Company	786,048	0	786,048
PRODUCER/MARKETER (SCH. I - A)	169,450	0	169,450
SYNTHETIC (SCH. I - A)			
OTHER GAS COMPANIES (SCH. I - B)			
OHIO PRODUCERS (SCH. I - B)			
SELF-HELP ARRANGEMENTS (SCH. I - B)		(11,643,972)	(11,643,972)
SPECIAL PURCHASES (SCH. I - B)			
<b>TOTAL DEMAND COSTS:</b>	<b>26,708,178</b>	<b>(11,643,972)</b>	<b>15,064,206</b>

PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES

23,420,847 MCF

DEMAND (FIXED) COMPONENT OF EGC RATE:

**\$0.643 /MCF**

**COMMODITY COSTS:**

GAS MARKETERS	\$2.201 /MCF
GAS STORAGE	
COLUMBIA GAS TRANSMISSION	\$0.941 /MCF
TEXAS GAS TRANSMISSION	\$0.339 /MCF
PROPANE	\$0.000 /MCF
STORAGE CARRYING COSTS	\$0.155 /MCF
COMMODITY COMPONENT OF EGC RATE:	<b>\$3.636 /MCF</b>

TOTAL EXPECTED GAS COST:

**\$4.279 /MCF**

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

**SUPPLEMENTAL MONTHLY REPORT**

**PRIMARY GAS SUPPLIER / TRANSPORTER**

DETAILS FOR THE EGC IN EFFECT AS OF October 28, 2016 AND THE PROJECTED  
VOLUME FOR THE TWELVE MONTH PERIOD ENDED August 30, 2017

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 NOVEMBER 2016:**

**GAS MARKETERS :**

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$3.0741	\$/Dth
DUKE ENERGY OHIO FUEL	1.300%	\$0.0400	\$3.1141	\$/Dth
DTH TO MCF CONVERSION	1.0806	\$0.2510	\$3.3651	\$/Mcf
ESTIMATED WEIGHTING FACTOR	65.400%		\$2.2008	\$/Mcf
<b>GAS MARKETERS COMMODITY RATE</b>			<b>\$2.201</b>	<b>\$/Mcf</b>

**GAS STORAGE :**

COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE (Not applicable during injection months)			\$3.4194	\$/Dth
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE		\$0.0153	\$3.4347	\$/Dth
COLUMBIA GAS TRANS. SST FUEL	2.042%	\$0.0701	\$3.5048	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0179	\$3.5227	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0014	\$3.5241	\$/Dth
DUKE ENERGY OHIO FUEL	1.300%	\$0.0458	\$3.5699	\$/Dth
DTH TO MCF CONVERSION	1.0806	\$0.2877	\$3.8576	\$/Mcf
ESTIMATED WEIGHTING FACTOR	24.400%		\$0.9413	\$/Mcf
<b>GAS STORAGE COMMODITY RATE - COLUMBIA GAS</b>			<b>\$0.941</b>	<b>\$/Mcf</b>
TEXAS GAS TRANSMISSION - STORAGE INVENTORY RATE (Not applicable during payback months)			\$2.9719	\$/Dth
TEXAS GAS COMMODITY RATE		\$0.0628	\$3.0347	\$/Dth
DUKE ENERGY OHIO FUEL	1.300%	\$0.0395	\$3.0742	\$/Dth
DTH TO MCF CONVERSION	1.0806	\$0.2478	\$3.3220	\$/Mcf
ESTIMATED WEIGHTING FACTOR	10.200%		\$0.3388	\$/Mcf
<b>GAS STORAGE COMMODITY RATE - TEXAS GAS</b>			<b>\$0.339</b>	<b>\$/Mcf</b>

**PROPANE :**

WEIGHTED AVERAGE PROPANE INVENTORY RATE			\$0.69470	\$/Gal
GALLON TO MCF CONVERSION	15.38	\$9.9898	\$10.6845	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.000%		\$0.0000	\$/Mcf
<b>PROPANE COMMODITY RATE</b>			<b>\$0.000</b>	<b>\$/Mcf</b>

FOOTNOTE NO. (1) Weighted average cost of gas based on NYMEX prices on 10/4/2016 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 October 28, 2016

<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>	
September 2016	\$25,040,600	\$3,976,186		\$0	\$29,016,786
October 2016	\$29,016,786	\$862,970		\$0	\$29,879,756
November 2016	\$29,879,756	\$0	\$1,461,132	\$0	\$28,418,624

**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 October 28, 2016

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)			
				0.8333%			
1	September 2016	\$29,016,786					
2	October 2016	\$29,879,756	\$29,448,271				
3	November 2016	\$28,418,624	\$29,149,190	\$242,900	1,562,485	\$0.155	

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**

**10/6/2016 3:44:49 PM**

**in**

**Case No(s). 89-8002-GA-TRF, 16-0218-GA-GCR**

Summary: Tariff Duke Energy GCR November 2016 (2) electronically filed by Mrs. Julie A. Lee on behalf of Duke Energy Ohio and Patten, Dana and Lee, Julie Ann Mrs.