



Duke Energy
139 E. Fourth Street
Cincinnati, OH 45202

January 9, 2020

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 February 2020. This filing is based on supplier tariff rates expected to be in effect on January 31, 2020 and the NYMEX close of January 7, 2020 for the month of February 2020.

Duke's GCR rate effective February 2020 is \$3.381 per MCF, which represents a decrease of \$0.206 per MCF from the current GCR rate in effect for January 2020.

Very truly yours,

A handwritten signature in black ink that reads "Dana R. Patten".

Dana R. Patten

Enclosure

cc: Mr. Robert Clark

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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 | 3.443000 |
| SUPPLIER REFUND AND RECONCILIATION ADJUSTMENT (RA) | \$/MCF | 0.000000 |
| ACTUAL ADJUSTMENT (AA) | \$/MCF | (0.062000) |
| GAS COST RECOVERY RATE (GCR) = EGC + RA + AA | \$/MCF | <u>3.381000</u> |

GAS COST RECOVERY RATE EFFECTIVE DATES: January 31, 2020 THROUGH March 1, 2020

EXPECTED GAS COST CALCULATION

| DESCRIPTION | UNIT | AMOUNT |
|---|--------|----------|
| TOTAL EXPECTED GAS COST COMPONENT (EGC) | \$/MCF | 3.443000 |

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 | 0.026000 |
| PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT | \$/MCF | (0.250000) |
| SECOND PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT | \$/MCF | (0.199000) |
| THIRD PREVIOUS QUARTERLY REPORTED ACTUAL ADJUSTMENT | \$/MCF | 0.361000 |
| ACTUAL ADJUSTMENT (AA) | \$/MCF | <u>(0.062000)</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: January 9, 2020

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 31, 2020
 PROJECTED VOLUME FOR THE TWELVE MONTH PERIOD ENDED November 30, 2020

| <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. | 18,704,300 | 0 | 18,704,300 |
| Duke Energy Kentucky | 603,504 | 0 | 603,504 |
| Columbia Gulf Transmission Co. | 2,389,275 | 0 | 2,389,275 |
| Texas Gas Transmission Corp. | 6,941,209 | 0 | 6,941,209 |
| K O Transmission Company | 4,862,476 | 0 | 4,862,476 |
| Tennessee Gas | 706,003 | 0 | 706,003 |
| PRODUCER/MARKETER (SCH. I - A) | 103,058 | 0 | 103,058 |
| SYNTHETIC (SCH. I - A) | | | |
| OTHER GAS COMPANIES (SCH. I - B) | | | |
| OHIO PRODUCERS (SCH. I - B) | | | |
| SELF-HELP ARRANGEMENTS (SCH. I - B) | | (16,637,076) | (16,637,076) |
| SPECIAL PURCHASES (SCH. I - B) | | | |
| TOTAL DEMAND COSTS: | 34,309,825 | (16,637,076) | 17,672,749 |

PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES

20,662,897 MCF

DEMAND (FIXED) COMPONENT OF EGC RATE:

\$0.855 /MCF

COMMODITY COSTS:

| | |
|----------------------------------|---------------------|
| GAS MARKETERS | \$1.043 /MCF |
| GAS STORAGE | |
| COLUMBIA GAS TRANSMISSION | \$1.239 /MCF |
| TEXAS GAS TRANSMISSION | \$0.239 /MCF |
| PROPANE | \$0.058 /MCF |
| STORAGE CARRYING COSTS | \$0.009 /MCF |
| COMMODITY COMPONENT OF EGC RATE: | \$2.588 /MCF |

TOTAL EXPECTED GAS COST:

\$3.443 /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 31, 2020 AND THE PROJECTED
 VOLUME FOR THE TWELVE MONTH PERIOD ENDED November 30, 2020

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 FEBRUARY 2020:

GAS MARKETERS :

| | | | | |
|---|---------|----------|----------------|---------------|
| WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1): | | | \$2.1569 | \$/Dth |
| DUKE ENERGY OHIO FUEL | 1.400% | \$0.0302 | \$2.1871 | \$/Dth |
| DTH TO MCF CONVERSION | 1.0677 | \$0.1481 | \$2.3352 | \$/Mcf |
| ESTIMATED WEIGHTING FACTOR | 44.645% | | \$1.0426 | \$/Mcf |
| GAS MARKETERS COMMODITY RATE | | | \$1.043 | \$/Mcf |

GAS STORAGE :

| | | | | |
|--|---------|----------|----------------|---------------|
| COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE (Not applicable during injection months) | | | \$2.5070 | \$/Dth |
| COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE | | \$0.0153 | \$2.5223 | \$/Dth |
| COLUMBIA GAS TRANS. SST FUEL | 1.492% | \$0.0376 | \$2.5599 | \$/Dth |
| COLUMBIA GAS TRANS SST COMMODITY RATE | | \$0.0162 | \$2.5761 | \$/Dth |
| KO TRANS, COMMODITY RATE | | \$0.0013 | \$2.5774 | \$/Dth |
| DUKE ENERGY OHIO FUEL | 1.400% | \$0.0361 | \$2.6135 | \$/Dth |
| DTH TO MCF CONVERSION | 1.0677 | \$0.1769 | \$2.7904 | \$/Mcf |
| ESTIMATED WEIGHTING FACTOR | 44.396% | | \$1.2388 | \$/Mcf |
| GAS STORAGE COMMODITY RATE - COLUMBIA GAS | | | \$1.239 | \$/Mcf |
| TEXAS GAS TRANSMISSION - STORAGE INVENTORY RATE (Not applicable during payback months) | | | \$2.0417 | \$/Dth |
| TEXAS GAS COMMODITY RATE | | \$0.0627 | \$2.1044 | \$/Dth |
| DUKE ENERGY OHIO FUEL | 1.400% | \$0.0295 | \$2.1339 | \$/Dth |
| DTH TO MCF CONVERSION | 1.0677 | \$0.1445 | \$2.2784 | \$/Mcf |
| ESTIMATED WEIGHTING FACTOR | 10.494% | | \$0.2391 | \$/Mcf |
| GAS STORAGE COMMODITY RATE - TEXAS GAS | | | \$0.239 | \$/Mcf |

PROPANE :

| | | | | |
|---|--------|-----------|----------------|---------------|
| WEIGHTED AVERAGE PROPANE INVENTORY RATE | | | \$0.81072 | \$/Gal |
| GALLON TO MCF CONVERSION | 15.38 | \$11.6582 | \$12.4689 | \$/Mcf |
| ESTIMATED WEIGHTING FACTOR | 0.465% | | \$0.0580 | \$/Mcf |
| PROPANE COMMODITY RATE | | | \$0.058 | \$/Mcf |

FOOTNOTE NO. (1) Weighted average cost of gas based on NYMEX prices on 1/7/2020 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 31, 2020

| <u>Month</u> | <u>Beginning Storage Inventory</u> | <u>Monthly Storage Activity</u> | | | <u>EFBS Balance</u> | <u>Ending Storage Inventory less EFBS</u> |
|----------------|--|---------------------------------|------------------|-------------------------------------|---------------------|---|
| | | <u>Injected</u> | <u>Withdrawn</u> | <u>Ending Storage Inventory</u> | | |
| December, 2019 | \$20,363,069 | \$0 | \$2,051,977 | \$18,311,092 | \$11,976,938 | \$6,334,154 |
| January, 2020 | \$18,311,092 | \$0 | \$6,171,000 | \$12,140,092 | \$9,223,081 | \$2,917,011 |
| February, 2020 | \$12,140,092 | \$0 | \$4,457,750 | \$7,682,342 | \$4,622,998 | \$3,059,344 |

**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 31, 2020

| 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 | December, 2019 | \$6,334,154 | | 0.8333% | | | |
| 2 | January, 2020 | \$2,917,011 | \$4,625,583 | | | | |
| 3 | February, 2020 | \$3,059,344 | \$2,988,178 | \$24,900 | 2,879,446 | \$0.009 | |

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

1/9/2020 1:59:17 PM

in

Case No(s). 89-8002-GA-TRF, 19-0218-GA-GCR

Summary: Tariff Duke Energy Ohio GCR February 2020 (2) electronically filed by Mrs. Julie A. Lee on behalf of Duke Energy Ohio and Patten, Dana and Lee, Julie Ann Mrs.