March 30, 2016

# RECEIVED 

Acting Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615

Frankfort, KY 40602
Re: Case No. 2016-00129
Dear Acting Director:
Enclosed is the revised filing which includes the original and ten (10) copies of a notice under the provisions of our Gas Cost Adjustment Clause, Case No. 2013-00148. This filing contains a Petition of Confidentiality and confidential documents.

Please indicate receipt of this revised filing by stamping and dating this letter and returning a scanned copy by E-mail to Stellie.Jackson@atmosenergy.com.

If you have any questions, feel free to call me at 972-855-3077.
Sincerely,


Stellie S. Jackson
Rate Administration Analyst
Enclosures

# COMMONWEALTH OF KENTUCKY BEFORE THE <br> KENTUCKY PUBLIC SERVICE COMMISSION 

In the Matter of:

GAS COST ADJUSTMENT ) Case No. 2016-00129

## FILING OF )

ATMOS ENERGY CORPORATION )

## NOTICE

## QUARTERLY FILING

For The Period
May1, 2016 - July 31, 2016

Attorney for Applicant
Mark R. Hutchinson
611 Frederica Street
Owensboro, Kentucky 42301

Atmos Energy Corporation, ("the Company"), is duly qualified under the laws of the Commonwealth of Kentucky to do its business. The Company is an operating public utility engaged in the business of purchasing, transporting and distributing natural gas to residential, commercial and industrial users in western and central Kentucky. The Company's principal operating office and place of business is 3275 Highland Pointe Drive, Owensboro, Kentucky 42303. Correspondence and communications with respect to this notice should be directed to:

Mark A. Martin<br>Vice President of Rates \& Regulatory Affairs<br>Kentucky/Mid-States Division<br>Atmos Energy Corporation<br>3275 Highland Pointe Drive<br>Owensboro, Kentucky 42303<br>Mark R. Hutchinson<br>Attorney for Applicant<br>611 Frederica Street<br>Owensboro, Kentucky 42301<br>Laura Brevard<br>Manager, Rate Administration<br>Atmos Energy Corporation<br>5430 LBJ Freeway, Suite 700<br>Dallas, Texas 75240<br>Stellie S. Jackson<br>Rate Administration Analyst<br>Atmos Energy Corporation<br>5430 LBJ Freeway, Suite 700<br>Dallas, Texas 75240

The Company gives notice to the Kentucky Public Service Commission, hereinafter "the Commission", pursuant to the Gas Cost Adjustment Clause contained in the Company's settlement gas rate schedules in Case No. 2013-00148.

The original filing was revised to correct Exhibit D, Page 1 of 6 and Page 6 of 6 . Uncollectible gas cost was included in Correction Factor - Part 1, line 13 in error.

The Company hereby files Tenth Revised Sheet No. 4, Tenth Revised Sheet No. 5, and Tenth Revised Sheet No. 6 to its PSC No. 2, Rates, Rules and Regulations for Furnishing Natural Gas to become effective May 1, 2016.

The Gas Cost Adjustment (GCA) for firm sales service is $\$ 3.6866$ per Mcf and $\$ 2.4755$ per Mcf for interruptible sales service. The supporting calculations for the Tenth Revised Sheet No. 5 are provided in the following Exhibits:

Exhibit A - Comparison of Current and Previous Gas Cost Adjustment (GCA) Cases<br>Exhibit B - Expected Gas Cost (EGC) Calculation<br>Exhibit C - Rates used in the Expected Gas Cost (EGC)<br>Exhibit D-Correction Factor (CF) Calculation<br>Exhibit E-Refund Factor (RF) Calculation<br>Exhibit E - Performance Based Rate Recovery Factor (PBRRF) Calculation

Since the Company's last GCA filing, Case No. 2015-00424, the following changes have occurred in its pipeline and gas supply commodity rates for the GCA period.

1. The commodity rates per Mcf used are based on historical estimates and/or current data for the quarter of May 1, 2016 through July 31, 2016, as shown in Exhibit C,
page 1 of 2 .
2. The G-1 Expected Gas Cost will be approximately $\$ 3.6723$ per Mcf for the quarter of May 1, 2016 through July 31, 2016, as compared to $\$ 4.1188$ per Mcf used for the period of February 1, 2016 through April 30, 2016. The G-2 Expected Commodity Gas Cost will be approximately $\$ 2.4612$ for the quarter of May 1,2016 through July 31, 2016 as compared to $\$ 2.9077$ for the period of February 1, 2016 through April 30, 2016.
3. The Company's notice sets out a new Correction Factor of $\$(0.1013)$ per Mcf which will remain in effect until at least July 31, 2016. The new Correction factor includes the balance from Pipeline Refunds of $\$ 0.00$. This balance is due to adjustments to customers billed prior to the pipeline refund cutoff date (November 1, 2013).
4. The Refund Factor of ( $\$ 0.0035$ ) per Mcf will remain in effect until the refund has been completed.

The GCA tariff as approved in Case No. 92-558 provides for a Correction Factor (CF) which compensates for the difference between the expected gas cost and the actual gas cost for prior periods. A revision to the GCA tariff effective December 1, 2001, Filing No. T62-1253, provides that the Correction Factor be filed on a quarterly basis. In Case No. 2013-00148, effective January 24, 2014, the Company's GCA tariff allows recovery of any gas cost which is uncollectible, to be included in each February GCA filing.

The Company is filing its updated Correction Factor that is based upon the balance in the Company's 1910 Account as of January 31, 2016 (February, 2016 general ledger). The calculation for the Correction Factor is shown on Exhibit D, Page 1 of 6 . Also beginning with the January, 2014 GCA filing in compliance with tariff page 16 from the Rate Case filing (Case No. 2013-00148) the Company is allowed to recover the net uncollectible gas cost (net uncollectible gas cost less subsequently collected gas cost).

WHEREFORE, Atmos Energy Corporation requests this Commission, pursuant to the Commission's order in Case No. 99-070, to approve the Gas Cost Adjustment (GCA) as filed in Tenth Revised Sheet No. 5; and Tenth Revised Sheet No. 6 setting out the General Transportation Tariff Rate T-3 and T-4 for each respective sales rate for meter readings made on and after May 1, 2016.

DATED at Dallas, Texas this 30th Day of March, 2016.

## ATMOS ENERGY CORPORATION

By:


Stellie S. Jackson
Rate Administration Analyst
Atmos Energy Corporation
P.S.C. KY NO. 2

TENTH REVISED SHEET NO. 4

| Current Rate Summary Case No. 2016-00129 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Firm Service |  |  |  |  |  |  |  |
| Base Charge: |  |  |  |  |  |  |  |
| Residential (G-1) |  |  |  | - \$1 | per | ter per month |  |
| Non-Residential (G-1) |  |  |  | - | per | ter per month |  |
|  | sportation |  |  | - 35 | per | ivery point per month |  |
| Transportation Administration Fee |  |  |  |  | per | tomer per meter |  |
| Rate per Mcf ${ }^{2}$ |  |  | Sales (G-1) |  | Transportation (T-4) |  |  |
| First | $300{ }^{1}$ | Mcf | @ | 5.0046 per Mcf | @ | 1.3180 per Mcf | (R, -) |
| Next | 14,700 ${ }^{1}$ |  | @ | 4.5666 per Mcf | @ | 0.8800 per Mcf | (R, -) |
| Over | 15,000 | Mcf | @ | 4.3066 per Mcf | @ | 0.6200 per Mcf | (R, -) |
| Interruptible Service |  |  |  |  |  |  |  |
| Base Charge <br> Transportation Administration Fee |  |  |  | - \$350. | per delivery point per monthper customer per meter |  |  |
|  |  |  |  |  |  |  |  |
| Rate per Mcf ${ }^{2}$ |  |  | Sales (G-2) |  | Transportation (T-3) |  |  |
| First | 15,000 ${ }^{1}$ |  | @ | 3.2655 per Mcf | @ | 0.7900 per Mcf | (R, - |
| Over | 15,000 | Mcf | @ | 3.0055 per Mcf | @ | 0.5300 per Mcf | (R, -) |

DATE OF ISSUE $\quad$ March 30,2016
DATE EFFECTIVE $\quad$ May 1,2016

TITLE Vice President - Rates \& Regulatory Affairs
BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO $\qquad$ DATED $\qquad$

ATMOS ENERGY CORPORATION
NAME OF UTILITY

## CANCELLING

NINTH REVISED SHEET NO. 5

## Current Gas Cost Adjustments

Case No. 2016-00129

## Applicable

For all Mcf billed under General Sales Service (G-1) and Interruptible Sales Service (G-2).

$$
\begin{aligned}
\text { Gas Charge } & =\mathrm{GCA} \\
\text { GCA } & =\mathrm{EGC}+\mathrm{CF}+\mathrm{RF}+\mathrm{PBRRF}
\end{aligned}
$$

| Gas Cost Adjustment Components | G-1 | G-2 |  |
| :---: | :---: | :---: | :---: |
| EGC (Expected Gas Cost Component) | 3.6723 | 2.4612 | ( $\mathrm{R}, \mathrm{R}$ ) |
| CF (Correction Factor) | (0.1013) | (0.1013) | (1, 1) |
| RF (Refund Adjustment) | (0.0035) | (0.0035) | (-, -) |
| PBRRF (Performance Based Rate Recovery Factor) | 0.1191 | 0.1191 | ( $\mathrm{R}, \mathrm{R}$ ) |
| GCA (Gas Cost Adjustment) | \$3.6866 | \$2.4755 | ( $\mathrm{R}, \mathrm{R}$ ) |

DATE OF ISSUE March 30, 2016
DATE EFFECTIVE $\quad$ May 1, 2016

ISSUED BY $\qquad$
TITLE Vice President - Rates \& Regulatory Affairs
BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION IN CASE NO 2016-00129 DATED N/A

FOR ENTIRE SERVICE AREA
P.S.C. KY NO. 2

TENTH REVISED SHEET NO. 6

## ATMOS ENERGY CORPORATION

NAME OF UTILITY
CANCELLING
NINTH REVISED SHEET NO. 6

## Current Transportation

Case No. 2016-00129

The Transportation Rates (T-3 and T-4) for each respective service net monthly rate is as follows:

System Lost and Unaccounted gas percentage: $2.15 \%$

Transportation Service ${ }^{1}$
Firm Service (T-4)

| First | 300 | Mcf | $@$ | $\$ 1.3180+$ | $\$ 0.0000$ | $=$ |
| :--- | ---: | :--- | :--- | ---: | ---: | ---: |
| Next | 14,700 | Mcf | $@$ | $0.8800+$ | 0.0000 | $=$ |
| All over | 15,000 | Mcf | $@$ | $0.6200+$ | 0.3180 per Mcf |  |
|  |  |  |  |  | 0.8800 per Mcf |  |
|  |  |  |  | 0.6200 per Mcf |  |  |

Interruptible Service (T-3)

| First | 15,000 | Mcf | $@$ | $\$ 0.7900+$ | $\$ 0.0000$ | $=$ | $\$ 0.7900$ per Mcf |
| :--- | :--- | :--- | :--- | ---: | ---: | ---: | ---: |
| All over | 15,000 | Mcf | $@$ | $0.5300+$ | 0.0000 | $=$ | 0.5300 per Mcf |

${ }^{1}$ Excludes standby sales service.

DATE OF ISSUE March 30, 2016 MONTH/DATE/YEAR

DATE EFFECTIVE $\qquad$
ISSUED BY $\qquad$ /s/ Mark A. Martin
SIGNATURE OF OFFICER

TITLE Vice President - Rates \& Regulatory Affairs
BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO $\qquad$ DATED N/A


| $\begin{aligned} & \text { Line } \\ & \text { No. } \end{aligned}$ | Description |  | (a) | (b) | (c) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Case No. |  |  |
|  |  |  | 2015-00424 | 2016-00129 | Difference |
|  |  |  | \$/Mcf | \$/Mcf | \$/Mcf |
| T -4 Transportation Service / Firm Service (High Priority) |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 Simple Margin / Distribution Charge (per Case No. 2013-00148) |  |  |  |  |  |
| 4 | First | 300 Mcf | 1.3180 | 1.3180 | 0.0000 |
| 5 | Next | 14,700 Mcf | 0.8800 | 0.8800 | 0.0000 |
| 6 | Over | 15,000 Mcf | 0.6200 | 0.6200 | 0.0000 |
| 7 |  |  |  |  |  |
| 8 |  |  |  |  |  |
| 9 T-3/ Interruptible Service (Low Priority) |  |  |  |  |  |
| 10 |  |  |  |  |  |
| 11 Simple Margin / Distribution Charge (per Case No. 2013-00148) |  |  |  |  |  |
| 12 | First | 15,000 Mcf | 0.7900 | 0.7900 | 0.0000 |
| 13 | Over | 15,000 Mcf | 0.5300 | 0.5300 | 0.0000 |
| 14 |  |  |  |  |  |

Atmos Energy Corporation
Expected Gas Cost (EGC) Calculation
Texas Gas Transmission - Non-Commodity

Exhibit B
Page 1 of 8
$\left.\begin{array}{lccccccc} & \text { (a) } & \text { (b) } & \text { (c) } & & \text { (d) } \\ \text { Non-Commodity }\end{array}\right)$

| Atmos Energy Corporation | Exhibit B |
| :--- | :--- |
| Expected Gas Cost (EGC) Calculation | Page 2 of 8 |
| Tennessee Gas Pipeline - Non-Commodity |  |

Tennessee Gas Pipeline - Non-Commodity

| Line <br> No. Description |  | (a) | (b) | (c) | (d) | (e) <br> modity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Tariff Sheet No. | Annual Units | Rate | Total | Demand |
|  |  |  | MMbtu | \$/MMbtu | \$ | \$ |
| 10 to Zone 2 |  |  |  |  |  |  |
| 2 FT-G Contract \# | 2546 |  | 145,000 |  |  |  |
| 3 Base Rate |  | 23 |  | 15.5759 | 2,258,506 | 2,258,506 |
| 4 ( 2,258,506 |  |  |  |  |  |  |
| 5 FT-A Contract \# | 95033 |  | 144,000 |  |  |  |
| 6 Base Rate |  | 14 |  | 15.5759 | 2,242,930 | 2,242,930 |
| 7 |  |  |  |  |  |  |
| 8 FT-A Contract \# | 308768 |  | 2,500 |  |  |  |
| 9 Base Rate |  | 14 |  | 15.5759 | 38,940 | 38,940 |
| 10 |  |  |  |  |  |  |
| 12 Total Zone 0 to 2 |  |  | 291,500 |  | 4,540,376 | 4,540,376 |
| 13 |  |  |  |  |  |  |
| 141 to Zone 2 |  |  |  |  |  |  |
| 15 FT-A Contract \# | 300264 |  | 30,000 |  |  |  |
| 16 Base Rate |  | 14 |  | 10.5774 | 317,322 | 317,322 |
| 17 - |  |  |  |  |  |  |
| 18 Total Zone 1 to 2 |  |  | 30,000 |  | 317,322 | 317,322 |
| 19 - - |  |  |  |  |  |  |
| 20 Gas Storage |  |  |  |  |  |  |
| 21 Production Area: |  |  |  |  |  |  |
| 22 Demand |  | 61 | 34,968 | 2.0344 | 71,139 | 71,139 |
| 23 Space Charge |  | 61 | 4,916,148 | 0.0207 | 101,764 | 101,764 |
| 24 Market Area: |  |  |  |  |  |  |
| 25 Demand |  | 61 | 237,408 | 1.4938 | 354,640 | 354,640 |
| 26 Space Charge |  | 61 | 10,846,308 | 0.0205 | 222,349 | 222,349 |
| 27 Total Storage |  |  | 16,034,832 |  | 749,892 | 749,892 |
| 28 |  |  |  |  |  |  |
| 29 Total Tennessee | as Area F |  |  |  | 5,607,590 | 5,607,590 |

```
Atmos Energy Corporation
Exhibit B
```

Expected Gas Cost (EGC) Calculation
Texas Gas Transmission - Commodity Purchases

| Line <br> No. | Description | (a) <br> Tariff Sheet No. | (b) | Purchases |  | (e) Rate |  | (f) Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Mcf | MMbtu | \$/MMbtu |  | \$ |
| 1 | No Notice Service |  |  |  | 2,423,334 |  |  |  |
| 2 | Indexed Gas Cost |  |  |  |  | 2.0280 |  | 4,914,521 |
| 3 | Commodity (Zone 3) | Section 4.4 - NNS |  |  |  | 0.0490 |  | 118,743 |
| 4 | Fuel and Loss Retention @ | Section 4.18.1 | 2.30\% |  |  | 0.0477 |  | 115,593 |
| 5 |  |  |  |  |  | 2.1247 |  | 5,148,857 |
| 6 |  |  |  |  |  |  |  |  |
| 7 | Firm Transportation |  |  |  | 1,982,728 |  |  |  |
| 8 | Indexed Gas Cost |  |  |  |  | 2.0280 |  | 4,020,972 |
| 9 | Base (Weighted on MDQs) |  |  |  |  | 0.0442 |  | 87,637 |
| 10 | ACA | Section 4.1 - FT |  |  |  | 0.0014 |  | 2,776 |
| 11 | Fuel and Loss Retention @ | Section 4.18.1 | 2.30\% |  |  | 0.0477 |  | 94,576 |
| 12 |  |  |  |  |  | 2.1213 |  | 4,205,961 |
| 13 | No Notice Storage |  |  |  |  |  |  |  |
| 14 | Net (Injections)/Withdrawals |  |  |  |  |  |  |  |
| 15 | Withdrawals |  |  |  | 0 | 2.5350 |  | 0 |
| 16 | Injections |  |  |  | $(1,112,516)$ | 2.0280 |  | $(2,256,182)$ |
| 17 | Commodity (Zone 3) | Section 4.4 - NNS |  |  |  | 0.0490 |  | $(54,513)$ |
| 18 | Fuel and Loss Retention @ | Section 4.18.1 | 2.30\% |  |  | 0.0477 |  | $(53,067)$ |
| 19 |  |  |  |  | $(1,112,516)$ | 2.1247 |  | $(2,363,762)$ |
| 20 边 |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |
| 22 | Total Purchases in Texas Area |  |  |  | 3,293,546 | 2.1227 |  | 6,991,056 |
| 23 |  |  |  |  |  |  |  |  |
| 24 |  |  |  |  |  |  |  |  |
| 25 | Used to allocate transportation n | n-commodity |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |  |  |
| 27 |  |  |  | Annualized |  | Commodity |  |  |
| 28 |  |  |  | MDQs in |  | Charge |  | Weighted |
| 29 | Texas Gas |  |  | MMbtu | Allocation | \$/MMbtu |  | Average |
| 30 | SL to Zone 2 | Section 4.1 - FT |  | 12,340,360 | 21.56\% | \$0.0399 | \$ | 0.0086 |
| 31 | SL to Zone 3 | Section 4.1 - FT |  | 37,430,188 | 65.41\% | 0.0445 | \$ | 0.0291 |
| 32 | 1 to Zone 3 | Section 4.1 - FT |  | 0 | 0.00\% | 0.0422 | \$ | - |
| 33 | SL to Zone 4 | Section 4.1 - FT |  | 5,145,769 | 8.99\% | 0.0528 | \$ | 0.0047 |
| 34 | 2 to Zone 4 | Section 4.1 - FT |  | 2,309,720 | 4.04\% | 0.0446 | \$ | 0.0018 |
| 35 | Total |  |  | 57,226,037 | 100.0\% |  | \$ | 0.0442 |
| 36 |  |  |  |  |  |  |  |  |
| 37 | Tennessee Gas |  |  |  |  |  |  |  |
| 38 | 0 to Zone 2 | 24 |  | 291,500 | 90.67\% | \$0.0167 | \$ | 0.0151 |
| 39 | 1 to Zone 2 | 24 |  | 30,000 | 9.33\% | 0.0087 |  | 0.0008 |
| 40 | Total |  |  | 321,500 | 100.00\% |  | \$ | 0.0160 |

## Atmos Energy Corporation

Expected Gas Cost (EGC) Calculation
Tennessee Gas Pipeline - Commodity Purchases
(a)
(b)
(c)
(d)
(e)
(f)

| Line No. Description | Tariff <br> Sheet No |  | Purchases |  | Rate | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Mcf | MMbtu | \$/MMbtu | \$ |
| 1 FT-A and FT-G |  |  |  | 679,987 |  |  |
| 2 Indexed Gas Cost |  |  |  |  | 2.0280 | 1,379,013 |
| 3 Base Commodity (Weighted on MDQs) |  |  |  |  | 0.0160 | 10,848 |
| 4 ACA | 24 |  |  |  | 0.0014 | 952 |
| Fuel and Loss Retention | 32 | 1.26\% |  |  | 0.0259 | 17,612 |
| 6 |  |  |  |  | 2.0713 | 1,408,425 |
| 7 |  |  |  |  |  |  |
| 8 FT-GS |  |  |  | 0 |  |  |
| 9 Indexed Gas Cost |  |  |  |  | 2.0280 | 0 |
| 10 Base Rate | 26 |  |  |  | 0.8697 | 0 |
| 11 ACA | 24 |  |  |  | 0.0014 | 0 |
| 12 Fuel and Loss Retention | 32 | 1.26\% |  |  | 0.0259 | 0 |
| 13 |  |  |  |  | 2.9250 | 0 |
| 14 |  |  |  |  |  |  |
| 15 Gas Storage |  |  |  |  |  |  |
| 16 FT-A \& FT-G Market Area Withdrawals |  |  |  | 0 | 2.5350 | - |
| 17 FT-A \& FT-G Market Area Injections |  |  |  | $(502,752)$ | 2.0280 | $(1,019,581)$ |
| 18 Withdrawal Rate | 61 |  |  |  | 0.0087 | 0 |
| 19 Injection Rate | 61 |  |  |  | 0.0087 | $(4,374)$ |
| 20 Fuel and Loss Retention | 61 | 0.80\% |  |  | 0.0001 | (50) |
| 21 Total |  |  |  | $(502,752)$ | 2.0368 | $(1,024,005)$ |
| 22 |  |  |  |  |  |  |
| 23 |  |  |  |  |  |  |
| 24 |  |  |  |  |  |  |
| 25 Total Tennessee Gas Zones |  |  |  | 177,235 | 2.1690 | 384,420 |

Atmos Energy Corporation
Expected Gas Cost (EGC) Calculation
Exhibit B
Trunkline Gas Company
Commodity
(a)
(b)
(c)
(d)
(e)
(f)

| Line <br> No. | Description | Tariff Sheet No. |  | Purchases |  | Rate | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Mcf | MMbtu | \$/MMbtu | \$ |  |
| 1 Firm Transportation |  |  |  |  |  |  |  |  |
|  | 2 Expected Volumes |  |  |  | 0 |  |  |  |
|  | 3 Indexed Gas Cost |  |  |  |  | 2.0280 |  | 0 |
|  | 4 Base Commodity | 13 |  |  |  | 0.0051 |  | 0 |
|  | 5 ACA | 13 |  |  |  | 0.0014 |  | 0 |
|  | 6 Fuel and Loss Retention | 13 | 1.54\% |  |  | 0.0296 |  | 0 |
|  | 7 |  |  |  |  | 2.0641 |  | 0 |

8
9
Non-Commodity


| Atmos Energy Corporation <br> Expected Gas Cost (EGC) Calculation <br> Demand Charge Calculation |  |  |  | Exhibit B <br> Page 6 of 8 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Line |  |  |  |  |

Atmos Energy Corporation
Expected Gas Cost (EGC) Calculation
Commodity - Total System
(a)
(b)
(c)
(d)

Line

| No. Description |  | Purchases |  | Rate | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Mcf | MMbtu | \$/Mcf | \$ |
| 1 Texas Gas Area |  |  |  |  |  |
| 2 No Notice Service |  | 2,402,671 | 2,423,334 | 2.1430 | 5,148,857 |
| 3 Firm Transportation |  | 1,965,822 | 1,982,728 | 2.1395 | 4,205,961 |
| 4 No Notice Storage |  | $(1,103,030)$ | $(1,112,516)$ | 2.1430 | (2,363,762) |
| 5 Total Texas Gas Area |  | 3,265,463 | 3,293,546 | 2.1409 | 6,991,056 |
| 6 |  |  |  |  |  |
| 7 Tennessee Gas Area |  |  |  |  |  |
| 8 FT-A and FT-G |  | 634,257 | 679,987 | 2.2206 | 1,408,425 |
| 9 FT-GS |  | 0 | 0 | 0.0000 | 0 |
| 10 Gas Storage |  |  |  |  |  |
| 11 Injections |  | $(468,941)$ | $(502,752)$ | 2.1835 | $(1,023,955)$ |
| 12 Withdrawals |  | 0 | 0 | 0.0000 | (50) |
| 13 |  | 165,316 | 177,235 | 2.3254 | 384,420 |
| 14 Trunkline Gas Area |  |  |  |  |  |
| 15 Firm Transportation |  | 0 | 0 | 0.0000 | 0 |
| 16 |  |  |  |  |  |
| 17 Company Owned Storage |  |  |  |  |  |
| 18 Injections |  | $(2,005,959)$ | $(2,023,210)$ | 2.0280 | $(4,262,061)$ |
| 19 Withdrawals |  | , | 0 |  | 0 |
| 20 Net WKG Storage |  | $(2,005,959)$ | (2,023,210) | 2.1247 | $(4,262,061)$ |
| 21 |  |  |  |  |  |
| 22 |  |  |  |  |  |
| 23 Local Production |  | 6,970 | 7,019 | 2.0280 | 14,135 |
| 24 |  |  |  |  |  |
| 25 |  |  |  |  |  |
| 26 |  |  |  |  |  |
| 27 Total Commodity Purchases |  | 1,431,790 | 1,454,590 | 2.1844 | 3,127,550 |
| 28 (e) |  |  |  |  |  |
| 29 Lost \& Unaccounted for @ | 2.15\% | 30,784 | 31,274 |  |  |
| 30 |  |  |  |  |  |
| 31 Total Deliveries |  | 1,401,006 | 1,423,316 | 2.2324 | 3,127,550 |
| 32 |  |  |  |  |  |
| 33 |  |  |  |  |  |
| 34 |  |  |  |  |  |
| 35 Total Expected Commodity Cost |  | 1,401,006 | 1,423,316 | 2.2324 | 3,127,550 |

37
38 Note: Column (c) is calculated by dividing column (d) by column (a)
39


# Atmos Energy Corporation 

Basis for Indexed Gas Cost
For the Quarter ending July 31, 2016

The projected commodity price was provided by the Gas Supply Department and was based upon the following:
A. The Gas Supply Department reviewed the NYMEX futures close prices for the quarter of May 2016 through July 2016 during the period March 09 through March 22, 2016.

|  |  | $\begin{gathered} \text { May-16 } \\ \text { (\$/MMBTU) } \end{gathered}$ | $\begin{gathered} \text { Jun-16 } \\ \text { (\$/MMBTU) } \end{gathered}$ | $\begin{gathered} \text { Jul-16 } \\ (\$ / \mathrm{MMBTU}) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| Wednesday | 03/09/16 | 1.846 | 1.946 | 2.041 |
| Thursday | 03/10/16 | 1.883 | 1.989 | 2.086 |
| Friday | 03/11/16 | 1.915 | 2.023 | 2.121 |
| Monday | 03/14/16 | 1.914 | 2.024 | 2.122 |
| Tuesday | 03/15/16 | 1.945 | 2.057 | 2.155 |
| Wednesday | 03/16/16 | 1.955 | 2.065 | 2.165 |
| Thursday | 03/17/16 | 2.011 | 2.110 | 2.206 |
| Friday | 03/18/16 | 1.989 | 2.085 | 2.183 |
| Monday | 03/21/16 | 1.904 | 1.999 | 2.100 |
| Tuesday | 03/22/16 | 1.937 | 2.035 | 2.137 |
| Average |  | \$1.930 | \$2.033 | \$2.132 |

B. The Company believes prices are increasing and prices for the quarter ending July 31, 2016 will settle at $\$ 2.028$ per MMBTU (based on the average of the past ten days) for the period that the GCA is to become effective.

In support of Item B, a worksheet entitled "Estimated Weighted Average Cost of Gas" has been filed under a Petition for Confidentiality in this Case.

Atmos Energy Corporation
Estimated Weighted Average Cost of Gas
For the Quarter ending July 31, 2016

Texas Gas
Trunkline
Tennessee Gas
TX Gas Storage
TN Gas Storage WKG Storage
Midwestern

| May-16 |  |  | June-16 |  |  | July-16 |  |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Volumes | Rate | Value | Volumes | Rate | Value | Volumes | Rate | Value | Volumes | Rate | Value |

## (This information has been filed under a Petition for Confidentiality)

WACOGs
Atmos Energy Corporation Exhibit D

Correction Factor (CF)
For the Three Months Ended January 2016
2016-00129
(a)

## Line

 No.

Atmos Energy Corporation
Exhibit D
Recoverable Gas Cost Calculation
For the Three Months Ended January 2016 2016-00129

GL December-15 January-16 February-16
(a)
(b)
(c)
${ }^{1}$ Includes settlement of historical imbalances and prepaid items.
${ }^{2}$ Includes Texas Gas No-Notice Service volumes and monthly imbalances related to transportation customer activities.

Atmos Energy Corporation Exhibit D
Recoverable Gas Cost Calculation
Page 3 of 6
For the Three Months Ended January 2016 2016-00129

GL December-15 January-16 February-16

| Line | Description | Unit | Month |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No. |  |  | November-15 | December-15 | January-16 |
| 1 | Supply Cost |  |  |  |  |
| 2 | Pipelines: |  |  |  |  |
| 3 | Texas Gas Transmission ${ }^{1}$ | \$ | 1,718,669 | 1,774,628 | 1,811,634 |
| 4 | Tennessee Gas Pipeline ${ }^{1}$ | \$ | 412,676 | 410,977 | 422,473 |
| 5 | Trunkline Gas Company ${ }^{1}$ | \$ | 26,623 | 27,483 | 29,148 |
| 6 | Twin Eagle Resource Management | \$ | 12,556 | 15,621 | 18,253 |
| 7 | Midwestern Pipeline ${ }^{1}$ | \$ | 0 | 0 | 0 |
| 8 | Total Pipeline Supply | \$ | 2,170,524 | 2,228,708 | 2,281,509 |
| 9 | Total Other Suppliers | \$ | 1,184,802 | 1,362,152 | 1,773,549 |
| 10 | Hedging Settlements | \$ | 242,215 | 336,730 | 381,570 |
| 11 | Off System Storage |  |  |  |  |
| 12 | Texas Gas Transmission | \$ |  |  |  |
| 13 | Tennessee Gas Pipeline | \$ |  |  |  |
| 14 | WKG Storage | \$ | 122,500 | 122,500 | 122,500 |
| 15 | System Storage |  |  |  |  |
| 16 | Withdrawals | \$ | 1,412,160 | 2,208,171 | 5,723,644 |
| 17 | Injections | \$ | $(8,168)$ | $(57,456)$ | $(7,486)$ |
| 18 | Producers | \$ | $(6,489)$ | 4,850 | 3,586 |
| 19 | Third Party Reimbursements | \$ | $(1,816)$ | (747) | $(3,937)$ |
| 20 | Pipeline Imbalances cashed out | \$ |  |  |  |
| 21 | System Imbalances ${ }^{2}$ | \$ | 636,921 | 1,153,050 | 2,077,237 |
| 22 | Sub-Total | \$ | 5,752,648 | 7,357,959 | 12,352,172 |
| 23 | Pipeline Refund + Interest |  |  |  |  |
| 24 | Change in Unbilled | \$ |  |  |  |
| 25 | Company Use | \$ | 0 |  |  |
| 26 | Recovered thru Transportation | \$ | 0 |  |  |
| 27 | Total Recoverable Gas Cost | \$ | 5,752,648.25 | 7,357,959.28 | 12,352,172.18 |

${ }^{1}$ Includes demand charges, cost of settlement of historical imbalances and prepaid items.
${ }^{2}$ Includes Texas Gas No-Notice Service volumes and monthly imbalances related to transportation customer activities.

Atmos Energy Corporation
Recovery from Correction Factors (CF)
For the Three Months Ended January 2016 2016-00129

Line
Month Type of Sale

| November-15 | G-1 Sales |
| :--- | :--- |
|  | G-2 Sales |
|  | Sub Total |
|  | Timing: Cycle Billing and PPA's |

December-15
G-1 Sales
G-2 Sales
Sub Total
Timing: Cycle Billing and PPA's

| $1,673,466.657$ |
| ---: |
| $9,617.835$ |
| $1,683,084.492$ |
| 0.000 |
| $1,683,084.492$ |
|  |
| $2,717,065.607$ |
| $15,503.732$ |
| $2,732,569.339$ |
| 0.000 |
| $2,732.569 .339$ |

Sub Total
Timing: Cycle Billing and PPA's


| $(\$ 0.3572)$ | $\begin{array}{r}(\$ 597.762 .29) \\ (\$ 0.3572) \\ (3,435.49)\end{array}$ |
| ---: | ---: |
|  | $(\$ 601,197.78)$ |
| $(485,544.00)$ |  |
|  | $(\$ 1,086,741.78)$ |
| $(\$ 0.3572)$ | $(\$ 970,535.83)$ |
| $(\$ 0.3572)$ | $(5,537.93)$ | \(\begin{array}{r}(\$ 976,073.76) <br>

<br>
\hline\end{array}\)
(\$3,401,256.37)

## Total Recovery from Correction Factor (CF)



Exhibit D
Page 4 of 6

$\$ 809,982.47$
$\$ 24,188,650.16$
$\$ 21,578,813.80$

[^0]The prior period adjustments (PPA's) consist of billing revisions/adjustments.

Detail Sheet for Supply Volumes \& Costs
Traditional and Other Pipelines

|  | November, 2015 |  | December, 2015 |  | January, 2016 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Description | MCF | Cost | MCF | Cost | MCF | Cost |
| Texas Gas Pipeline Area |  |  |  |  |  |  |
| LG\&E Natural |  |  |  |  |  |  |
| Texaco Gas Marketing |  |  |  |  |  |  |
| CMS |  |  |  |  |  |  |
| WESCO |  |  |  |  |  |  |
| Southern Energy Company |  |  |  |  |  |  |
| Union Pacific Fuels |  |  |  |  |  |  |
| Atmos Energy Marketing, LLC |  |  |  |  |  |  |
| Engage |  |  |  |  |  |  |
| ERI |  |  |  |  |  |  |
| Prepaid |  |  |  |  |  |  |
| Reservation |  |  |  |  |  |  |
| Hedging Costs - All Zones |  |  |  |  |  |  |
| Total | 546,152 | \$1,031,042.82 | 588,028 | \$1,205,358.85 | 573,381 | \$1,270,124.89 |
| Tennessee Gas Pipeline Area |  |  |  |  |  |  |
| Chevron Natural Gas, Inc. |  |  |  |  |  |  |
| Atmos Energy Marketing, LLC |  |  |  |  |  |  |
| WESCO |  |  |  |  |  |  |
| Prepaid |  |  |  |  |  |  |
| Reservation |  |  |  |  |  |  |
| Fuel Adjustment |  |  |  |  |  |  |
| Total | 79,749 | \$146,633.07 | 77,536 | \$157,555.30 | 103,735 | \$245,242.94 |
| Trunkline Gas Company |  |  |  |  |  |  |
| Atmos Energy Marketing, LLC |  |  |  |  |  |  |
| Engage |  |  |  |  |  |  |
| Prepaid |  |  |  |  |  |  |
| Reservation |  |  |  |  |  |  |
| Fuel Adjustment |  |  |  |  |  |  |
| Total | 0 | \$199.19 | 0 | (\$64.64) | 114,938 | \$258,146.49 |
| Midwestern Pipeline |  |  |  |  |  |  |
| Atmos Energy Marketing, LLC |  |  |  |  |  |  |
| Midwestern Gas Transmission |  |  |  |  |  |  |
| Anadarko |  |  |  |  |  |  |
| Prepaid |  |  |  |  |  |  |
| Reservation |  |  |  |  |  |  |
| Fuel Adjustment |  |  |  |  |  |  |
| Total | (147) | (\$324.16) | (279) | (\$556.98) | 75 | \$179.48 |
| ANR Pipeline |  |  |  |  |  |  |
| Atmos Energy Marketing, LLC |  |  |  |  |  |  |
| LG\&E Natural |  |  |  |  |  |  |
| Anadarko |  |  |  |  |  |  |
| Prepaid |  |  |  |  |  |  |
| Reservation |  |  |  |  |  |  |
| Fuel Adjustment |  |  |  |  |  |  |
| Total | 1,681 | \$7,250.62 | 0 | (\$140.94) | 0 | (\$144.83) |
| All Zones |  |  |  |  |  |  |
| Total | 627,435 | \$1,184,801.54 | 665,285 | \$1,362,151.59 | 792,129 | \$1,773,548.97 |

## Atmos Energy Corporation

Net Uncollectible Gas Cost
Twelve Months Ended November, 2015

Exhibit D
Page 6 of 6

| Line <br> No. | Month <br> (a) | Gas Cost Written Off (b) | Margin Written Off (c) | Taxes \& Other Written Off (d) | Total Written Off <br> (e) | Gas Cost Collected (f) | Margin Collected <br> (g) | Net Uncollectible Gas Cost (h) | Cumulative Net Uncollectible Gas Cost (i) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Dec-14 | $(\$ 47,581.97)$ | (\$63,019.35) | $(\$ 4,627.52)$ | (\$115,228.84) | \$21,272.01 | \$21,505.29 | \$26,309.96 | \$26,309.96 |
| 2 | Jan-15 | (\$29,383.53) | (\$56,715.38) | (\$3,198.79) | (\$89,297.70) | \$19,696.25 | \$19,007.44 | \$9,687.28 | \$35,997.24 |
| 3 | Feb-15 | (\$24,378.00) | (\$37,871.46) | (\$2,622.55) | (\$64,872.01) | \$27,496.04 | \$25,010.05 | (\$3,118.04) | \$32,879.20 |
| 4 | Mar-15 | (\$454,805.65) | (\$443,598.70) | (\$43,980.48) | (\$942,384.83) | \$16,688.45 | \$15,359.83 | \$438,117.20 | \$470,996.40 |
| 5 | Apr-15 | (\$17,415.51) | (\$32,624.42) | (\$1,767.55) | (\$51,807.48) | \$10,776.09 | \$10,653.78 | \$6,639.42 | \$477,635.82 |
| 6 | May-15 | (\$95,707.90) | (\$116,421.67) | (\$10,754.59) | (\$222,884.16) | \$9,601.25 | \$9,840.42 | \$86,106.65 | \$563,742.47 |
| 7 | Jun-15 | (\$57,730.47) | $(\$ 57,589.58)$ | (\$5,711.27) | (\$121,031.32) | \$9,035.07 | \$9,222.12 | \$48,695.40 | \$612,437.87 |
| 8 | Jul-15 | (\$118,189.92) | (\$119,154.83) | $(\$ 8,423.51)$ | (\$245,768.26) | \$9,090.18 | \$12,618.17 | \$109,099.74 | \$721,537.61 |
| 9 | Aug-15 | (\$214,745.05) | (\$139,755.61) | (\$15,675.92) | (\$370,176.58) | \$8,021.42 | \$12,554.72 | \$206,723.63 | \$928,261.24 |
| 10 | Sep-15 | (\$241,818.08) | (\$153,161.89) | (\$18,158.66) | (\$413,138.63) | \$12,166.38 | \$14,055.66 | \$229,651.70 | \$1,157,912.94 |
| 11 | Oct-15 | (\$273,297.84) | (\$209,311.20) | (\$21,896.82) | (\$510,707.16) | \$47,808.08 | \$33,820.42 | \$225,489.76 | \$1,383,402.70 |
| 12 | Nov-15 | (\$62,361.70) | (\$83,149.77) | (\$6,765.82) | (\$152,277.29) | \$65,471.18 | \$48,008.47 | (\$3,109.48) | \$1,380,293.22 |


Atmos Energy Corporation
Performance Based Rate Recovery Factor
2016-00129
(PBRRF)


Atmos Energy Corporation
Performance Based Rate Recovery - Residual Balance Calculation
Carry-over Amount in Case No.

Company Share of 11/13-10/14 PBR Activity
Carry-over Amount in Case No. 2013-00484
Balance Filed in Case No.
EXHIBIT E Workpaper 1

2,666,021.47
382,557.62
$3,048,579.09$

## PBR

Line
No.

## (a)

$\frac{\text { Sales }}{\text { (b) }}$

Balance Forward (from above)

| Feb-14 | $4,197,758$ |
| ---: | ---: |
| Mar-14 | $2,968,648$ |
| Apr-14 | $1,649,904$ |
| May-14 | 723,294 |
| Jun-14 | 357,382 |
| Jul-14 | 463,345 |
| Aug-14 | 378,904 |
| Sep-14 | 429,637 |
| Oct-14 | 781,762 |
| Nov-14 | $1,396,009$ |
| Dec-14 | $2,585,488$ |
| Jan-15 | $3,523,315$ |

PBRRF
(c)

## Adjustments

(e)
(d)

Total PBR Recoveries

$$
(\mathrm{d})+(\mathrm{e})=(\mathrm{f})
$$

Balance

$$
\text { Prior }(\mathrm{g})-(\mathrm{f})=(\mathrm{g})
$$

\$ 3,048,579.09 2,233,126.72 1,656,974.09 1,338,066.59 1,198,313.06 1,127,621.17 1,039,754.61 966,620.25 883,810.41 771,637.76 497,410.11 $(6,897.25)$ $(695,131.92)$
(\$695,131.92)


[^0]:    NOTE: The cycle billing is a result of customers being billed by the meter read date.

