

RECEIVED

JUN 3 0 2017
PUBLIC SERVICE
COMMISSION

June 29, 2017

Ms. Talina Mathews, Executive Director Kentucky Public Service Commission 211 Sower Boulevard P.O. Box 615 Frankfort, KY 40602

Re: Case No. 2017-00000

Dear Ms. Mathews:

We are filing the enclosed 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 filing by stamping and dating this letter and returning a scanned copy by E-mail to Anthony. Croissant@atmosenergy.com.

If you have any questions, feel free to call me at 972-855-3115.

Sincerely,

Anthony Croissant

Sr. Rate Administration Analyst

**Enclosures** 



# RECEIVED

JUN 3 0 2017
PUBLIC SERVICE
COMMISSION

# COMMONWEALTH OF KENTUCKY BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION

In the Matter of:

GAS COST ADJUSTMENT )
FILING OF )
ATMOS ENERGY CORPORATION )

Case No. 2017-00000

#### **NOTICE**

#### **QUARTERLY FILING**

For The Period

August 1, 2017 - October 31, 2017

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
Vice President of Rates & Regulatory Affairs
Kentucky/Mid-States Division
Atmos Energy Corporation
3275 Highland Pointe Drive
Owensboro, Kentucky 42303

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

Liza Philip Manager, Rate Administration Atmos Energy Corporation 5430 LBJ Freeway, Suite 700 Dallas, Texas 75240

Anthony Croissant Sr. Rate Administration Analyst Atmos Energy Corporation 5430 LBJ Freeway, Suite 700 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 Company hereby files Seventeenth Revised Sheet No. 4, Seventeenth Revised Sheet No. 5, and Seventeenth Revised Sheet No. 6 to its PSC No. 2, Rates, Rules and Regulations for Furnishing Natural Gas to become effective August 1, 2017.

The Gas Cost Adjustment (GCA) for firm sales service is \$5.0564 per Mcf and \$3.8407 per Mcf for interruptible sales service. The supporting calculations for the Seventeenth Revised Sheet No. 5 are provided in the following Exhibits:

Exhibit A – Comparison of Current and Previous Gas Cost Adjustment (GCA) Cases

Exhibit B – Expected Gas Cost (EGC) Calculation

Exhibit C - Rates used in the Expected Gas Cost (EGC)

Exhibit D – Correction Factor (CF) Calculation

Exhibit E – Refund Factor (RF) Calculation

Exhibit E – Performance Based Rate Recovery Factor (PBRRF) Calculation

Since the Company's last GCA filing, Case No. 2017-00180, the following changes have occurred in its pipeline and gas supply commodity rates for the GCA period.

- The commodity rates per Mcf used are based on historical estimates and/or current data for the quarter of August 1, 2017 through October 31, 2017, as shown in Exhibit C, page 1 of 2.
- 2. The G-1 Expected Gas Cost will be approximately \$4.7963 per Mcf for the quarter of August 1, 2017 through October 31, 2017, as compared to \$4.7652 per Mcf used for

the period of June 1, 2017 through July 31, 2017. The G-2 Expected Commodity Gas Cost will be approximately \$3.5806 for the quarter of August 1, 2017 through October 31, 2017 as compared to \$3.5495 for the period of June 1, 2017 through July 31, 2017.

- The Company's notice sets out a new Correction Factor of \$0.0882 per Mcf which will remain in effect until at least October 31, 2017.
- 4. The Refund Factor of (\$0.0000) 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 April 30, 2017 (May, 2017 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 Seventeenth Revised Sheet No. 5; and Seventeenth 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 August 1, 2017.

DATED at Dallas, Texas this 29th Day of June, 2017.

ATMOS ENERGY CORPORATION

By:

Anthony Croissant

Sr. Rate Administration Analyst

Atmos Energy Corporation

#### FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

#### SEVENTEENTH REVISED SHEET NO. 4

CANCELLING

#### SIXTEENTH REVISED SHEET NO. 4

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#### ATMOS ENERGY CORPORATION

NAME OF UTILITY

#### Current Rate Summary Case No. 2017-00000

#### Firm Service

Base Charge:

Residential (G-1) - \$17.50 per meter per month
Non-Residential (G-1) - 44.50 per meter per month
Transportation (T-4) - 375.00 per delivery point per month
Transportation Administration Fee - 50.00 per customer per meter

Rate per Mcf<sup>2</sup> Sales (G-1) Transportation (T-4) 300 1 First Mcf @ 6.5904 per Mcf @ 1.5340 per Mcf 6.0064 per Mcf Next 14,700 1 Mcf @ @ 0.9500 per Mcf Over 15.000 Mcf @ 5.7964 per Mcf @ 0.7400 per Mcf

#### Interruptible Service

Base Charge Transportation Administration Fee \$375.00 per delivery point per month

ortation Administration Fee - 50.00 per customer per meter

 Rate per Mcf²
 Sales (G-2)
 Transportation (T-3)

 First
 15,000
 Mcf
 @ 4.6907 per Mcf
 @ 0.8500 per Mcf

 Over
 15,000
 Mcf
 @ 4.4812 per Mcf
 @ 0.6405 per Mcf

All gas consumed by the customer (sales, transportation; firm and interruptible) will be considered for the purpose of determining whether the volume requirement of 15,000 Mcf has been achieved.

DATE OF IS:	SUE	J	une 30, 2017	
		MON	NTH / DATE / YEAR	
DATE EFFE	CTIVE	A	ugust 1, 2017	
		MON	NTH / DATE / YEAR	
ISSUED BY		/s/ 1	Mark A. Martin	
		SIGN	ATURE OF OFFICER	
TITLE	Vice President -	- Rates & Regulate	ory Affairs	
BY AUTHOR	RITY OF ORDER	R OF THE PUBLE	IC SERVICE COM	MISSION
				VIISSIOIN
IN CASE NO	2017-00000	DATED	N/A	

<sup>&</sup>lt;sup>2</sup> DSM, PRP and R&D Riders may also apply, where applicable.

#### FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

#### SEVENTEENTH REVISED SHEET NO. 5

SIXTEENTH REVISED SHEET NO. 5

#### ATMOS ENERGY CORPORATION

NAME OF UTILITY

#### CANCELLING

## Current Gas Cost Adjustments

### Case No. 2017-00000

#### **Applicable**

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

Gas Charge = GCA

GCA = EGC + CF + RF + PBRRF

Gas Cost Adjustment Components	<u>G - 1</u>	G-2	
EGC (Expected Gas Cost Component)	4.7963	3.5806	(1, 1)
CF (Correction Factor)	0.0882	0.0882	(R, R)
RF (Refund Adjustment)	0.0000	0.0000	(-, -)
PBRRF (Performance Based Rate Recovery Factor)	0.1719	0.1719	(-, -)
GCA (Gas Cost Adjustment)	\$5.0564	\$3.8407	(R, R)

DATE OF ISSUE	June 30, 2017	
	MONTH / DATE / YEAR	
DATE EFFECTIVE	August 1, 2017	
	MONTH / DATE / YEAR	
ISSUED BY	/s/ Mark A. Martin	
,	SIGNATURE OF OFFICER	
TITLE Vice President	- Rates & Regulatory Affairs	
DV AUTHODITY OF C	ADDED OF THE BUILT IC CEDVICE COMMISSION	\
BY AUTHORITY OF C	ORDER OF THE PUBLIC SERVICE COMMISSIO	)IN
IN CASE NO 2017-00	0000 DATED N/A	

#### FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

#### SEVENTEENTH REVISED SHEET NO. 6

#### **CANCELLING**

## ATMOS ENERGY CORPORATION

NAME OF UTILITY

#### SIXTEENTH REVISED SHEET NO. 6

#### Current Transportation Case No. 2017-00000

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

System Lost and Unaccounted gas percentage:

1.28%

					Simple Margin		Non- Commodity		Gross Margin		
Tran	sportation S					•					
	Firm Servi	ce (1-4)									1
	First	300	Mcf	@	\$1.5340	+	\$0.0000	=	\$1.5340	per Mcf	(-)
	Next	14,700	Mcf	@	0.9500	+	0.0000	=	0.9500	per Mcf	(-)
	All over	15,000	Mcf	@	0.7400	+	0.0000	=	0.7400	per Mcf	(-)
	Interruptib	le Service (	<u>T-3)</u>								
	First	15,000	Mcf	@	\$0.8500	+	\$0.0000	=	\$0.8500	per Mcf	(-)
	All over	15,000	Mcf	@	0.6405	+	0.0000	=	0.6405	per Mcf	(-)

DATE OF ISSUE	June 30, 2017
	MONTH / DATE / YEAR
DATE EFFECTIVE	August 1, 2017
	MONTH / DATE / YEAR
ISSUED BY	/s/ Mark A. Martin
	SIGNATURE OF OFFICER
TITLE Vice Presid	ent – Rates & Regulatory Affairs
BY AUTHORITY OF	FORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO 201	7-00000 DATED N/A

<sup>&</sup>lt;sup>1</sup> Excludes standby sales service.

Atmos Energy Corporation Comparison of Current and Previous Cases Sales Service

Line						(a) Case	(b) <b>e No.</b>	(c)
No.	Description					2017-00180	2017-00000	Difference
,						\$/Mcf	\$/Mcf	\$/Mcf
1	<u>G - 1</u>							
2	Distribution Char	ae /ner	Case No. 2015 003	13)				
4	First		Case No. 2015-003 Mcf	43)		1.5340	1.5340	0.0000
5	Next	14,700				0.9500	0.9500	0.0000
6	Over	15,000				0.7400	0.7400	0.0000
7								
8	Gas Cost Adjusti							
9	EGC (Expect		Cost):					
10	Commodity					3.3333	3.3644	0.0311
11	Demand					1.4319	1.4319	0.0000
12	Total EGC					4.7652	4.7963	0.0311
13	CF (Correction	n Factor	r)			0.2109	0.0882	(0.1227)
14	RF (Refund A	Adjustme	ent)			0.0000	0.0000	0.0000
15	PBRRF (Perf	ormance	Based Rate Recov	very Factor)		0.1719	0.1719	0.0000
16	GCA (Gas Cos				-	5.1480	5.0564	(0.0916)
17	<b>X</b>	,						,
18	Rate per Mcf (G0	CA inclu	ded)					
19	First		Mcf			6.6820	6.5904	(0.0916)
20	Next	14,700				6.0980	6.0064	(0.0916)
21	Over	15,000	Mcf			5.8880	5.7964	(0.0916)
22 23								
23	G - 2							
25	<u>G-2</u>							
26	Distribution Char	ge (per	Case No. 2015-003	43)				
27	First	15,000				0.8500	0.8500	0.0000
28	Over	15,000				0.6405	0.6405	0.0000
29								
30	Gas Cost Adjusti							
31	EGC (Expect		Cost):				0.0044	0.0044
32	Commodity					3.3333	3.3644	0.0311
33 34	Demand Total EGC				-	0.2162 3.5495	0.2162 3.5806	0.0000
35	CF (Correction	n Factor	٠١			0.2109	0.0882	(0.1227)
36	RF (Refund A		*			0.0000	0.0000	0.0000
37			Based Rate Recov	verv Factor)		0.1719	0.1719	0.0000
38	GCA (Gas Cos			,	-	3.9323	3.8407	(0.0916)
39		•						
40	Rate per Mcf (G0	CA inclu	ded)					
41	First		Mcf			4.7823	4.6907	(0.0916)
42	Over	14,700	Mcf			4.5728	4.4812	(0.0916)
43								
44 45	Refund Factor (	RE)						
47	returne i actor (	1		Effecti	ve			
48			Case No.	Date		RF		
49			never use that means are published the first					
50	1 -	-	2017-00029	2/1/2	.017	0.0000		
51	2 -		2017-00156	5/1/2		0.0000		
52	3 -		2017-00180	6/1/2		0.0000		
53	4 -	-	2017-00000	8/1/2	.017	0.0000		
54	Total Datum Tax	otor (DE)				0000		
55	Total Refund Fac	Stor (RF)				\$0.0000		

Comparison of Current and Previous Cases Transportation Service Exhibit A Page 2 of 2

(a) (b) (c) Line Case No. 2017-00180 No. Description 2017-00000 Difference \$/Mcf \$/Mcf \$/Mcf 1 <u>T -4 Transportation Service / Firm Service (High Priority)</u> 2 3 Simple Margin / Distribution Charge (per Case No. 2015-00343) 4 First 300 Mcf 1.5340 1.5340 0.0000 5 Next 14,700 Mcf 0.9500 0.9500 0.0000 6 Over 15,000 Mcf 0.7400 0.7400 0.0000 7 8 9 T - 3 / Interruptible Service (Low Priority) 10 11 Simple Margin / Distribution Charge (per Case No. 2015-00343) 15,000 Mcf 12 First 0.8500 0.8500 0.0000 13 Over 15,000 Mcf 0.6405 0.0000 0.6405 14

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

Exhibit B Page 1 of 8

(a)	(b)	(c)	(d) <b>Non-Com</b>	(e) nmodity
Tariff Sheet No.	Annual Units	Rate	Total	Demand
	MMbtu	\$/MMbtu	\$	\$
	12.340.360			
Section 4.4 - NNS	,0 .0,000	0.3088	3,810,703	3,810,703
	12,340,360		3,810,703	3,810,703
Section 4.4 - NNS	27,757,688	0.3543	9,834,549	9,834,549
	6.022.500			
Section 4.1 - FT		0.2939	1,770,013	1,770,013
	3,650,000			
Section 4.1 - FT		0.2939	1,072,735	1,072,735
	37,430,188		12,677,297	12,677,297
	3,320,769			
Section 4.4 - NNS		0.4190	1,391,402	1,391,402
Castian AA FT	1,825,000	0.0070	000 775	000 775
Section 4.1 - FT		0.3670	669,775	669,775
	5,145,769	-	2,061,177	2,061,177
	2 309 720			
Section 4.1 - FT	2,000,720	0.2780	642,102	642,102
	2,309,720	-	642,102	642,102
		_		
				3,810,703
				12,677,297 0
				2,061,177
	2,309,720		642,102	642,102
	F7 226 027	-	10 101 270	10 101 270
	57,220,037	-	19,191,2/9	19,191,279
nmodity		-	19,191,279	19,191,279
	Tariff Sheet No.  Section 4.4 - NNS  Section 4.4 - NNS  Section 4.1 - FT  Section 4.1 - FT  Section 4.4 - NNS  Section 4.1 - FT	Tariff Sheet No.       Annual Units         MMbtu       12,340,360         12,340,360       27,757,688         Section 4.4 - NNS       6,022,500         Section 4.1 - FT       3,650,000         Section 4.1 - FT       37,430,188         Section 4.1 - FT       5,145,769         Section 4.1 - FT       2,309,720         Section 4.1 - FT       2,309,720         12,340,360       37,430,188         0       5,145,769         2,309,720       57,226,037	Tariff Sheet No.         Annual Units MMbtu Mm	Tariff Sheet No.         Annual Units Water Water Sheet No.         Rate With Ship Ship Sheet No.         Total Total Ship Ship Ship Ship Ship Sheet No.         Total Ship Ship Ship Ship Ship Ship Ship Ship

Expected Gas Cost (EGC) Calculation
Tennessee Gas Pipeline - Non-Commodity

Exhibit B Page 2 of 8

		(a)	(b)	(c)	(d) <b>Non-C</b>	(e) commodity
Line		Tariff	Annual			
No. Description		Sheet No.	Units	Rate	Total	Demand
			MMbtu	\$/MMbtu	\$	\$
1 <u>0 to Zone 2</u> 2 FT-G Contract # 3 Base Rate	2546	23	145,000	15.5759	2,258,506	2,258,506
4 5 FT-A Contract #	95033		144,000			
6 Base Rate 7		14		15.5759	2,242,930	2,242,930
8 Total Zone 0 to 2 9		-	289,000		4,501,436	4,501,436
10 <u>1 to Zone 2</u> 11 FT-A Contract # 12 Base Rate	300264	14	7,500	10.5774	79,331	79,331
13 14 Total Zone 1 to 2 15		-	7,500		79,331	79,331
<ul><li>16 <u>Gas Storage</u></li><li>17 Production Area:</li></ul>						
18 Demand		61	34,968	2.0334	71,104	71,104
<ul><li>19 Space Charge</li><li>20 Market Area:</li></ul>		61	4,916,148	0.0207	101,764	101,764
21 Demand		61	237,408	1.4938	354,640	354,640
22 Space Charge		61	10,846,308	0.0205	222,349	222,349
23 Total Storage 24		=	16,034,832	,	749,857	749,857
	as Area FT-G Non-Comm	odity		9	5,330,624	5,330,624

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

Exhibit B Page 3 of 8

Line		(a) <b>Tariff</b>	(b)	(c)	(d)	(e)	(f)
No.	Description	Sheet No.		Pur	chases	Rate	Total
				Mcf	MMbtu	\$/MMbtu	\$
1	No Notice Service				2,614,494		
2	Indexed Gas Cost				2,014,404	2.9940	7,827,796
3	Commodity (Zone 3)	Section 4.4 - NNS				0.0490	128,110
4	Fuel and Loss Retention @	Section 4.18.1	0.39%			0.0117	30,590
5	, acrana zece recontion @				-	3.0547	7,986,496
6							
7	Firm Transportation				2,139,132		
8	Indexed Gas Cost					2.9940	6,404,560
9	Base (Weighted on MDQs)					0.0442	94,550
10	ACA	Section 4.1 - FT				0.0013	2,781
11	Fuel and Loss Retention @	Section 4.18.1	0.39%		_	0.0117	25,028
12						3.0512	6,526,919
13	No Notice Storage						
14	Net (Injections)/Withdrawals						
15	Withdrawals				0	2.6620	0
16	Injections	Confirm 4.4 NINIC			(1,481,582)	2.9940	(4,435,857)
17	Commodity (Zone 3)	Section 4.4 - NNS	0.200/			0.0490	(72,598)
18 19	Fuel and Loss Retention @	Section 4.18.1	0.39%	-	(1,481,582)	0.0117 3.0547	(4,525,790)
20					(1,401,502)	3.0347	(4,525,790)
21							
22	Total Purchases in Texas Area			·-	3,272,044	3.0524	9,987,625
23				=	5,2,2,5,1	0.0021	0,001,020
24							
25	Used to allocate transportation n	on-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	<b>2</b> P					·
38	0 to Zone 2	24		289,000	97.47%	\$0.0167	\$ 0.0163
39	1 to Zone 2	24	_	7,500	2.53%	0.0087	0.0002
40	Total			296,500	100.00%		\$ 0.0165

Expected Gas Cost (EGC) Calculation
Tennessee Gas Pipeline - Commodity Purchases

Exhibit B Page 4 of 8

(a)

(b) (c)

(d)

(e)

(f)

No. Description		No. 10 to 10					
		Sheet No.		Pui	rchases	Rate	Total
				Mcf	MMbtu	\$/MMbtu	\$
1 FT-A and FT-G					742,730		
2 Indexed Gas Cos	t					2.9940	2,223,734
3 Base Commodity	(Weighted on MDQs)					0.0165	12,253
4 ACA		24				0.0013	966
5 Fuel and Loss Re	etention	32	1.80%			0.0549	40,776
6						3.0667	2,277,729
7							
8 FT-GS					0		
9 Indexed Gas Cos	t					2.9940	0
10 Base Rate		26				0.8697	0
11 ACA		24				0.0013	0
12 Fuel and Loss Re	etention	32	1.80%			0.0549	0
13						3.9199	0
14							
15 Gas Storage							
16 FT-A & FT-G Mar	ket Area Withdrawals				0	2.6620	_
17 FT-A & FT-G Mar	ket Area Injections				(515,292)	2.9940	(1,542,784)
18 Withdrawal Rate	•	61				0.0087	0
19 Injection Rate		61				0.0087	(4,483)
20 Fuel and Loss Re	tention	61	1.37%			0.0001	(52)
21 Total				_	(515,292)	3.0028	(1,547,319)
22					,		( , , , , , , , , , , , , , , , , , , ,
23							
24							
25 Total Tennessee G	as Zones			<del></del>	227,438	3.2115	730,410

Atmos Energy Corporation				
Expected Gas Cost (EGC) Calculation				
Trunkline Gas Company				
Commodity	(a)	(b)	(c)	

Exhibit B Page 5 of 8

(f)

(e)

(d)

	=	,,-	3(**)2	, ,	X		3. 7
Line No.	Description	Tariff Sheet No.		Puro	chases	Rate	Total
				Mcf	MMbtu	\$/MMbtu	\$
1	Firm Transportation						
2	2 Expected Volumes				92,000		
3	Indexed Gas Cost					2.9940	275,448
4	Base Commodity	13				0.0051	469
5	5 ACA	13				0.0013	120
6	Fuel and Loss Retention	13	1.13%			0.0312	2,870
7	7					3.0316	278,907
8	3						
g	)						

Non-Commodity

		(a)	(b)	(c)	(d)	(e)
				No	n-Commo	dity
Line		Tariff	Annual			
No.	Description	Sheet No.	Units	Rate	Total	Demand
			MMbtu	\$/MMbtu	\$	\$
	Injections					
10	FT-G Contract # 014573		33,750			
11	Discount Rate on MDQs			5.3776	181,494	181,494
12	2			_		
13	Total Trunkline Area Non-Comi	modity			181,494	181,494

Expected Gas Cost (EGC) Calculation Demand Charge Calculation

Exhibit B Page 6 of 8

Line No.		(a)	(b)	(c)	(d)	(e)
1 2 3 4 5 6 7	Total Demand Cost: Texas Gas Transmission Midwestern Tennessee Gas Pipeline Trunkline Gas Company Total	\$19,191,279 0 5,330,624 181,494 \$24,703,397				
8			Allocated	Related	Monthly De	emand Charge
9	Demand Cost Allocation:	Factors	Demand	Volumes	Firm	Interruptible
10	All	0.1531	\$3,782,090	17,494,254	0.2162	0.2162
11	Firm	0.8469	20,921,307	17,208,968	1.2157	
12	Total	1.0000	\$24,703,397		1.4319	0.2162
13 14 15 16		Annualized _ Mcf @14.65	Volumetric Monthly Dem			
17	Firm Service					
18	Sales:					
19 20	G-1	17,208,968	17,208,968	17,208,968	1.4319	
21	Interruptible Service					
22	Sales:					
23 24	G-2	285,286	285,286		1.4319	0.2162
25	Transportation Service					
26	T-3 & T-4	29,492,463				
27						
28		46,986,717	17,494,254	17,208,968		
29						
30						

Expected Gas Cost (EGC) Calculation Commodity - Total System

Exhibit B Page 7 of 8

(a)

(b)

(c)

(d)

Line

No. Description		Purchas	es	Rate	Total
No. Bescription		Mcf	MMbtu	\$/Mcf	\$
1 Taylor Con Area					
1 Texas Gas Area		2 402 269	2 614 404	2 2044	7 096 406
2 No Notice Service		2,492,368	2,614,494	3.2044	7,986,496
3 Firm Transportation		2,039,210	2,139,132	3.2007	6,526,919
4 No Notice Storage	-	(1,424,598)	(1,481,582)	3.1769	(4,525,790)
5 Total Texas Gas Area	-	3,106,980	3,272,044	3.2146	9,987,625
6 7 <b>T</b>					
7 <u>Tennessee Gas Area</u>		700.050	740 700	0.0500	0 077 700
8 FT-A and FT-G		700,358	742,730	3.2522	2,277,729
9 FT-GS		0	0	0.0000	0
10 Gas Storage		(405.005)	(5.4.5.000)	0.4044	// 5/3 003
11 Injections		(485,895)	(515,292)	3.1844	(1,547,267)
12 Withdrawals		0	0	0.0000	(52)
13		214,463	227,438	3.4058	730,410
14 Trunkline Gas Area					
15 Firm Transportation		91,633	92,000	3.0437	278,907
16					
17 Company Owned Storage					
18 Injections		(1,278,055)	(1,340,680)	3.0547	(3,904,075)
19 Withdrawals		0	0		0
20 Net WKG Storage	-	(1,278,055)	(1,340,680)	3.0547	(3,904,075)
21					
22					
23 Local Production		5,543	5,815	2.9940	16,596
24					
25					
26					
27 Total Commodity Purchases		2,140,564	2,256,617	3.3213	7,109,463
28					
29 Lost & Unaccounted for @	1.28%	27,400	28,885		
30		Security of the Security			
31 Total Deliveries		2,113,164	2,227,732	3.3644	7,109,463
32		-,,	_,,		.,,
33					
34					
35 Total Expected Commodity Cost		2,113,164	2,227,732	3.3644	7,109,463
36	-	-1	,		- 1 1 1

37

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

39

Expected Gas Cost (EGC) Calculation
Load Factor Calculation for Demand Allocation

Exhibit B Page 8 of 8

Line			
No.	Description	MCF	
	Annualized Volumes Subject to Demand Charges		
1	Sales Volume	17,494,254	
2	Transportation	0	
3	Total Mcf Billed Demand Charges	17,494,254	
4	Divided by: Days/Year	365	
5	Average Daily Sales and Transport Volumes	47,929	
6			
7	Peak Day Sales and Transportation Volume		
8	Estimated total company firm requirements for 5 degree average		
9	temperature days from Peak Day Book - with adjustments per rate filing	313,060	Mcf/Peak Day
10			
11			
12	New Load Factor (line 5 / line 9)	0.1531	
13			

#### Basis for Indexed Gas Cost

For the Quarter ending October 31, 2017

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 August 2017 through October 2017 during the period June 12 through June 23, 2017.

		Aug-17 (\$/MMBTU)	Sep-17 (\$/MMBTU)	Oct-17 (\$/MMBTU)
Monday	06/12/17	3.054	3.038	3.065
Tuesday	06/13/17	2.989	2.972	3.000
Wednesday	06/14/17	2.953	2.937	2.962
Thursday	06/15/17	3.078	3.064	3.086
Friday	06/16/17	3.060	3.047	3.070
Monday	06/19/17	3.060	3.047	3.070
Tuesday	06/20/17	2.930	2.928	2.955
Wednesday	06/21/17	2.915	2.914	2.945
Thursday	06/22/17	2.915	2.913	2.945
Friday	06/23/17	2.951	2.949	2.980
Average		\$2.991	\$2.981	\$3.008

B. The Company believes prices are decreasing and prices for the quarter ending October 31, 2017 will settle at \$2.994 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 October 31, 2017

	August-17			September-17		October-17		Total		Total		
	Volumes	Rate	<u>Value</u>	Volumes	Rate	<u>Value</u>	Volumes	Rate	<u>Value</u>	Volumes	Rate	<u>Value</u>
Texas Gas												
Trunkline												
Tennessee Gas												
TX Gas Storage												
TN Gas Storage												
WKG Storage												
Midwestern												
WildWooton												
			(This informat	tion has beer	n filed und	der a Petition	for Confidenti	ality)				

WACOGs

Atmos Energy Corporation Correction Factor (CF) For the Three Months Ended April 2017 2017-00000

Exhibit D Page 1 of 6

	(a)	(b)	(C)	(d) Actual GCA	(e) Under (Over)	(f)		(g)
Line		Actual Purchased	Recoverable	Recovered	Recovery			
No.	Month	Volume (Mcf)	Gas Cost	Gas Cost	Amount	Adjustments		Total
1 2	February-17	2,117,251	\$8,878,999.30	\$10,115,466.17	(\$1,236,466.87)	\$0.00		(\$1,236,466.87)
3	March-17	1,959,055	\$7,684,524.04	\$7,735,180.62	(\$50,656.58)	\$0.00		(\$50,656.58)
5	April-17	766,915	\$4,221,491.87	\$5,584,357.81	(\$1,362,865.94)	\$0.00		(\$1,362,865.94)
7	Total Gas Cost				-		_	
8	Under/(Over) Reco	overy	\$20,785,015.21	\$23,435,004.60	(\$2,649,989,39)	\$0.00		(\$2,649,989.39)
9	,			A COUNTY OF THE PARTY OF THE PA				Action and an artist of the ar
10	PBR Savings refle	ected in Gas Costs	\$381,571.54					
11		-						
12	Correction Factor							
13	(Over)/Under Reco	overed Gas Cost thro	ugh January 2017 (I	February 2017 GL)		3,633,723.27		
14		nder/(Over) Recovery		s ended April 2017		(2,649,989.39)		
15		tstanding Correction F				503,514.80		
16		mount of Pipeline Ref			_	0.00		
17		overed Gas Cost thro		2017 GL) (a)	_	\$1,487,248.68		
18	Divided By: Total	Expected Customer S	Sales (b)			17,494,254	Mcf	
19								
20	Correction Factor	- Part 1				\$0.0850	/ Mcf	
21								
22	Correction Factor							
23		Gas Cost through Nov	, ,		_	56,405.83		
24	Divided By: Total	Expected Customer S	Sales (b)			17,494,254		
25								
26	Correction Factor	- Part 2	\$0.0032	/ Mcf				
27	0 "	T (OF)						
28	Correction Factor					***********		
29		•		ncl. Net Uncol Gas Cos		\$1,543,654.51		
30	Divided By: Total	Expected Customer S	sales (b)			17,494,254		
31 32	Correction Factor	r - Total (CF)				\$0.0882	/ Mcf	
33	- CATCOLION I dolo	· · · · · · · · · · · · · · · · · · ·			=	<del>\$0.0302</del>	. 14101	

Recoverable Gas Cost Calculation For the Three Months Ended April 2017 2017-00000 Exhibit D Page 2 of 6

Ca			GL	March-17	April-17	May-17
Supply Volume   Pipelines:	Line		_	(a)		(c)
Pipelines:	No.	Description	Unit	February-17	March-17	April-17
3         Texas Gas Transmission 1         Mcf         0         0         0           4         Tennessee Gas Pipeline 1         Mcf         0         0         0           5         Trunkline Gas Company 1         Mcf         0         0         0           6         Midwestern Pipeline 1         Mcf         0         0         0           7         Total Pipeline Supply         Mcf         0         0         0           8         Total Other Suppliers         Mcf         122,288         287,370         1,925,822           9         Off System Storage         Wcf         0         0         0           10         Texas Gas Transmission         Mcf         0         0         0           11         Tennessee Gas Pipeline         Mcf         0         0         0           12         System Storage         Mcf         1,086,422         1,003,159         3,529           13         Withdrawals         Mcf         1,086,422         1,003,159         3,529           14         Injections         Mcf         0         0         3,529           14         Injections         Mcf         1,031         1,318	1	Supply Volume				
4         Tennessee Gas Pipeline 1         Mcf         0         0         0           5         Trunkline Gas Company 1         Mcf         0         0         0           6         Midwestern Pipeline 1         Mcf         0         0         0           7         Total Pipeline Supply         Mcf         0         0         0           8         Total Other Suppliers         Mcf         122,288         287,370         1,925,822           9         Off System Storage         Wcf         0         0         0         0           10         Texas Gas Transmission         Mcf         0         0         0         0           11         Tennessee Gas Pipeline         Mcf         0         0         0         0           12         System Storage         Mcf         1,086,422         1,003,159         3,529           13         Withdrawals         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbala	2	Pipelines:				
5         Trunkline Gas Company 1         Mcf         0         0         0           6         Midwestern Pipeline 1         Mcf         0         0         0           7         Total Pipeline Supply         Mcf         0         0         0           8         Total Other Suppliers         Mcf         122,288         287,370         1,925,822           9         Off System Storage         0         0         0         0           10         Texas Gas Transmission         Mcf         0         0         0           11         Tennessee Gas Pipeline         Mcf         0         0         0           12         System Storage         0         0         0         0           12         System Storage         0         0         0         0           13         Withdrawals         Mcf         1,086,422         1,003,159         3,529           14         Injections         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         2         700,770         (541,	3	Texas Gas Transmission 1	Mcf	0	0	0
6         Midwestern Pipeline <sup>1</sup> Mcf         0         0         0           7         Total Pipeline Supply         Mcf         0         0         0           8         Total Other Suppliers         Mcf         122,288         287,370         1,925,822           9         Off System Storage         Texas Gas Transmission         Mcf         0         0         0           11         Tennessee Gas Pipeline         Mcf         0         0         0         0           12         System Storage         Withdrawals         Mcf         1,086,422         1,003,159         3,529           13         Withdrawals         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         Company Use         Mcf         0         0         0     <	4	Tennessee Gas Pipeline 1	Mcf	0	0	0
7         Total Pipeline Supply         Mcf         0         0         0           8         Total Other Suppliers         Mcf         122,288         287,370         1,925,822           9         Off System Storage         Texas Gas Transmission         Mcf         0         0         0           11         Tennessee Gas Pipeline         Mcf         0         0         0         0           12         System Storage         3         Withdrawals         Mcf         1,086,422         1,003,159         3,529           14         Injections         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         Company Use         Mcf         0         0         0           21         Change in Unbilled         Mcf         0	5	Trunkline Gas Company <sup>1</sup>	Mcf	0	0	0
8         Total Other Suppliers         Mcf         122,288         287,370         1,925,822           9         Off System Storage         10         Texas Gas Transmission         Mcf         0         0         0           11         Tennessee Gas Pipeline         Mcf         0         0         0         0           12         System Storage         3         Withdrawals         Mcf         1,086,422         1,003,159         3,529           14         Injections         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         (2)         (11)         (541,675)           18         System Imbalances 2         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         Change in Unbilled         Mcf         0         0         0           21         Change in Unbilled	6	Midwestern Pipeline 1	Mcf	0	0	0
9 Off System Storage 10 Texas Gas Transmission Mcf 0 0 0 11 Tennessee Gas Pipeline Mcf 0 0 0 12 System Storage 13 Withdrawals Mcf 1,086,422 1,003,159 3,529 14 Injections Mcf (3,230) (33,551) (600,746) 15 Producers Mcf 1,031 1,318 (19,846) 16 Third Party Reimbursements Mcf (2) (11) (169) 17 Pipeline Imbalances cashed out Mcf 18 System Imbalances 2 Mcf 910,742 700,770 (541,675) 19 Total Supply Mcf 2,117,251 1,959,055 766,915 20 21 Change in Unbilled Mcf 22 Company Use Mcf 0 0 0 0 23 Unaccounted For Mcf 0 0 0	7	Total Pipeline Supply	Mcf	0	0	0
10         Texas Gas Transmission         Mcf         0         0         0           11         Tennessee Gas Pipeline         Mcf         0         0         0           12         System Storage         3         Withdrawals         Mcf         1,086,422         1,003,159         3,529           14         Injections         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         Change in Unbilled         Mcf         0         0         0           21         Change in Unbilled         Mcf         0         0         0           22         Company Use         Mcf         0         0         0           23         Unaccounted For         Mcf         0         0         0	8	Total Other Suppliers	Mcf	122,288	287,370	1,925,822
11         Tennessee Gas Pipeline         Mcf         0         0         0           12         System Storage         3         Withdrawals         Mcf         1,086,422         1,003,159         3,529           14         Injections         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         Change in Unbilled         Mcf         0         0         0           21         Change in Unbilled         Mcf         0         0         0           22         Company Use         Mcf         0         0         0           23         Unaccounted For         Mcf         0         0         0	9	Off System Storage				
12       System Storage         13       Withdrawals       Mcf       1,086,422       1,003,159       3,529         14       Injections       Mcf       (3,230)       (33,551)       (600,746)         15       Producers       Mcf       1,031       1,318       (19,846)         16       Third Party Reimbursements       Mcf       (2)       (11)       (169)         17       Pipeline Imbalances cashed out       Mcf       910,742       700,770       (541,675)         19       Total Supply       Mcf       2,117,251       1,959,055       766,915         20       Change in Unbilled       Mcf       0       0       0         21       Change in Unbilled       Mcf       0       0       0         22       Company Use       Mcf       0       0       0         23       Unaccounted For       Mcf       0       0       0	10	Texas Gas Transmission	Mcf	0	0	0
13         Withdrawals         Mcf         1,086,422         1,003,159         3,529           14         Injections         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         Change in Unbilled         Mcf         0         0         0           21         Change in Unbilled         Mcf         0         0         0           22         Company Use         Mcf         0         0         0           23         Unaccounted For         Mcf         0         0         0	11	Tennessee Gas Pipeline	Mcf	0	0	0
14         Injections         Mcf         (3,230)         (33,551)         (600,746)           15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         Change in Unbilled         Mcf         0         0         0           21         Change in Unbilled         Mcf         0         0         0           22         Company Use         Mcf         0         0         0           23         Unaccounted For         Mcf         0         0         0	12	System Storage				
15         Producers         Mcf         1,031         1,318         (19,846)           16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         910,742         700,770         (541,675)           18         System Imbalances 2         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         Change in Unbilled         Mcf         0         0         0           21         Change in Unbilled         Mcf         0         0         0           22         Company Use         Mcf         0         0         0           23         Unaccounted For         Mcf         0         0         0	13	Withdrawals	Mcf	1,086,422	1,003,159	3,529
16         Third Party Reimbursements         Mcf         (2)         (11)         (169)           17         Pipeline Imbalances cashed out         Mcf         910,742         700,770         (541,675)           18         System Imbalances 2         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         21         Change in Unbilled         Mcf         0         0         0           22         Company Use         Mcf         0         0         0         0           23         Unaccounted For         Mcf         0         0         0         0	14	Injections	Mcf	(3,230)	(33,551)	(600,746)
17         Pipeline Imbalances cashed out         Mcf           18         System Imbalances 2         Mcf         910,742         700,770         (541,675)           19         Total Supply         Mcf         2,117,251         1,959,055         766,915           20         21         Change in Unbilled         Mcf         0         0         0           22         Company Use         Mcf         0         0         0         0           23         Unaccounted For         Mcf         0         0         0         0			Mcf		1,318	(19,846)
18     System Imbalances 2     Mcf     910,742     700,770     (541,675)       19     Total Supply     Mcf     2,117,251     1,959,055     766,915       20       21     Change in Unbilled     Mcf       22     Company Use     Mcf     0     0     0       23     Unaccounted For     Mcf     0     0     0		•		(2)	(11)	(169)
19 Total Supply     Mcf     2,117,251     1,959,055     766,915       20       21 Change in Unbilled     Mcf       22 Company Use     Mcf     0     0     0       23 Unaccounted For     Mcf     0     0     0	17		Mcf			
20         21 Change in Unbilled       Mcf         22 Company Use       Mcf       0       0       0         23 Unaccounted For       Mcf       0       0       0		System Imbalances <sup>2</sup>	Mcf _		700,770	(541,675)
21 Change in Unbilled       Mcf         22 Company Use       Mcf       0       0       0         23 Unaccounted For       Mcf       0       0       0		Total Supply	Mcf	2,117,251	1,959,055	766,915
22 Company Use       Mcf       0       0       0         23 Unaccounted For       Mcf       0       0       0						
23 Unaccounted For Mcf 0 0 0						
				0	0	0
24 <b>Total Purchases</b> Mcf 2,117,251 1,959,055 766,915			_		0	0
	24	Total Purchases	Mcf _	2,117,251	1,959,055	766,915

<sup>&</sup>lt;sup>1</sup> Includes settlement of historical imbalances and prepaid items.

<sup>&</sup>lt;sup>2</sup> Includes Texas Gas No-Notice Service volumes and monthly imbalances related to transportation customer activities.

Recoverable Gas Cost Calculation For the Three Months Ended April 2017 2017-00000 Exhibit D Page 3 of 6

		GL	March-17	April-17	May-17
Line			(a)	(b) Month	(c)
No.	Description	Unit	February-17	March-17	April-17
1	Supply Cost	_			
2	Pipelines:				
3	Texas Gas Transmission 1	\$	1,652,192	1,816,414	1,573,483
4	Tennessee Gas Pipeline 1	\$	417,170	406,523	308,863
5	Trunkline Gas Company 1	\$	29,782	32,993	6,635
6	Twin Eagle Resource Management	\$	19,820	20,662	0
7	Midwestern Pipeline 1	\$	0	0	0
8	Total Pipeline Supply	\$	2,118,964	2,276,592	1,888,981
9	Total Other Suppliers	\$	392,721	809,712	5,862,115
10	Hedging Settlements	\$	0	0	0
11	Off System Storage				
12	Texas Gas Transmission	\$			
13	Tennessee Gas Pipeline	\$			
14	WKG Storage	\$	161,659	161,659	161,659
15	System Storage				
16	Withdrawals	\$	2,699,948	2,442,279	9,858
17	Injections	\$	(10,705)	(98,792)	(1,863,095)
18	Producers	\$	3,199	3,575	6,495
19	Third Party Reimbursements	\$	(228)	(69)	(1,818)
20	Pipeline Imbalances cashed out	\$			
21	System Imbalances <sup>2</sup>	\$ \$	3,513,443	2,089,568	(1,842,703)
22	Sub-Total	\$	8,878,999	7,684,524	4,221,492
23	Pipeline Refund + Interest				
24	Change in Unbilled	\$			
25	Company Use	\$ \$			
26	Recovered thru Transportation	\$ \$	0 070 000 20	7 604 504 04	4 224 404 07
27	Total Recoverable Gas Cost	\$	8,878,999.30	7,684,524.04	4,221,491.87

<sup>&</sup>lt;sup>1</sup> Includes demand charges, cost of settlement of historical imbalances and prepaid items.

<sup>&</sup>lt;sup>2</sup> Includes Texas Gas No-Notice Service volumes and monthly imbalances related to transportation customer activities.

Recovery from Correction Factors (CF) For the Three Months Ended April 2017 2017-00000 Exhibit D Page 4 of 6

Line			(a)	(b) CF	(c) CF	(a) RF	(e) RF	(f) PBR	(g) PBRRF	(h) EGC	(I) FCC Passysery	(j) Total	
No.	Month	Type of Sales	Mcf Sold	Rate	Amounts	Rate	Amounts	Rate	Amounts	Rate	EGC Recovery Amounts	Recoveries	
NO.	MOTH	Type of Sales	MICI Solu	Nate	Amounts	Nate	Amounts	Rate	Amounts	Rate	Amounts	Recoveries	
1	February-17	G-1 Sales	2,267,185.087	(\$0.0964)	(\$218,556.64)	\$0.0000	\$0.00	\$0.1719	\$389,729.12	\$4.3087	\$9,768,620.38	\$9,939,792.86	
2		G-2 Sales	16,250.469	(\$0.0964)	(1,566.55)	\$0.0000	0.00	\$0.1719	2,793.46	\$3.0930	50,262.70	\$51,489.61	
6		Sub Total	2,283,435.556		(\$220,123.19)		\$0.00		\$392,522.58		\$9,818,883.08	\$9,991,282.47	
7		Timing: Cycle Billing and PPA's _	0.000		(1,445.01)	-	(0.73)	<u> </u>	11,432.60	·-	296,583.09	\$306,569.95	
8		Total	2,283,435.556		(\$221,568.20)		(\$0.73)		\$403,955.18	_	\$10,115,466.17	\$10,297,852.42	\$9,893,897.97
9													
10													
11	March-17	G-1 Sales	1,682,251.160	(\$0.0964)	(\$162,169.01)	\$0.0000	\$0.00	\$0.1719	\$289,178.97	\$4.3087	\$7,248,315.57	\$7,375,325.53	
12		G-2 Sales	8,554.947	(\$0.0964)	(824.70)	\$0.0000	0.00	\$0.1719	1,470.60	\$3.0930	26,460.45	\$27,106.35	
16		Sub Total	1,690,806.107		(\$162,993.71)		\$0.00		\$290,649.57		\$7,274,776.02	\$7,402,431.88	
17		Timing: Cycle Billing and PPA's	0.000		(29.65)	-	(1.36)		25,561.81		460,404.60	\$485,935.40	
18		Total	1,690,806.107		(\$163,023.36)	-	(\$1.36)		\$316,211.38	-	\$7,735,180.62	\$7,888,367.28	\$7,572,157.26
19													
20													
21	April-17	G-1 Sales	1,228,649.676	(\$0.0964)	(\$118,441.83)	\$0.0000	\$0.00	\$0.1719	\$211,204.88	\$4.3087	\$5,293,882.86	\$5,386,645.91	
22		G-2 Sales	6,414.862	(\$0.0964)	(618.39)	\$0.0000	0.00	\$0.1719	1,102.71	\$3.0930	19,841.17	\$20,325.49	
26		Sub Total	1,235,064.538		(\$119,060.22)		\$0.00		\$212,307.59		\$5,313,724.03	\$5,406,971.40	
27		Timing: Cycle Billing and PPA's _	0.000	_	136.98		(0.43)		14,735.66		270,633.78	\$285,505.99	
28		Total	1,235,064.538		(\$118,923.24)		(\$0.43)		\$227,043.25		\$5,584,357.81	\$5,692,477.39	\$5,465,434.57
29													
30				<u></u>									
31	Total Recovery from	Correction Factor (CF)		_	(\$503,514.80)	_							
32	Total Amount Refun	ded through the Refund Factor (RF				_	(\$2.52)	-					
33	Total Recovery from	Performance Based Rate Recove	ry Factor (PBRRF)			·-		_	\$947,209.81				
34	Total Recoveries fro	m Expected Gas Cost (EGC) Factor	or					: <del></del>		_	\$23,435,004.60		
35	Total Recoveries fro	m Gas Cost Adjustment Factor (G	CA)							_		\$23,878,697.09	
36													
27												_	\$22 021 490 90

38 NOTE: The cycle billing is a result of customers being billed by the meter read date.

39 The prior period adjustments (PPA's) consist of billing revisions/adjustments.

\$22,931,489.80

		Febru	uary, 2017	Ma	arch, 2017		April, 2017		
	Description	MCF	Cost	MCF	Cost	MCF	Cost		
1 2 3 4 5 6 7 8 9 10 11 12 13 14	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								
15 16 17 18 19 20 21 22 23 24 25	Total  Tennessee Gas Pipeline Area Chevron Natural Gas, Inc. Atmos Energy Marketing, LLC WESCO Prepaid Reservation Fuel Adjustment	121,876	\$389,507.20	287,872	\$808,931.81	1,605,028	\$4,874,698.34		
	Trunkline Gas Company Atmos Energy Marketing, LLC Engage Prepaid Reservation Fuel Adjustment	0	\$0.00	0	\$0.00	30,044	\$88,860.38		
37 38 39 40 41 42 43 44	Midwestern Pipeline Atmos Energy Marketing, LLC Midwestern Gas Transmission Anadarko Prepaid Reservation Fuel Adjustment	78	\$229.84	2	\$5.93	2	\$6.20		
48 49	ANR Pipeline Atmos Energy Marketing, LLC LG&E Natural Anadarko Prepaid Reservation Fuel Adjustment	334	\$1,019.44	(504)	(\$1,398.82)	934	\$2,954.88		
58 59 60	Total	0	\$1,964.06	0	\$2,172.76	289,814	\$895,594.92		
61 62 63 64 65	All Zones Total	122,288 **** Detail of Volume	\$392,720.54 es and Prices Has Bee	287,370 en Filed Under Pet	\$809,711.68	1,925,822	\$5,862,114.72		

Net Uncollectible Gas Cost Twelve Months Ended November, 2016 Exhibit D Page 6 of 6

Line No.	Month (a)	Gas Cost Written Off (b)	Margin Written Off (c)	Taxes & Other Written Off (d)	Total Written Off (e)	Gas Cost Collected (f)	Margin Collected (g)	Net Uncollectible Gas Cost (h)	Cumulative Net Uncollectible Gas Cost (i)
1	Dec-15	(\$20,889.60)	(\$53,343.84)	(\$3,101.65)	(\$77,335.09)	\$30,790.23	\$27,528.82	(\$9,900.63)	(\$9,900.63)
2	Jan-16	(\$5,866.08)	(\$28,619.13)	(\$1,356.82)	(\$35,842.03)	\$27,831.20	\$21,317.49	(\$21,965.12)	(\$31,865.75)
3	Feb-16	(\$6,501.14)	(\$30,862.32)	(\$1,462.01)	(\$38,825.47)	\$24,791.47	\$20,570.56	(\$18,290.33)	(\$50, 156.08)
4	Mar-16	(\$6,159.39)	(\$27,492.88)	(\$1,203.48)	(\$34,855.75)	\$14,605.13	\$13,908.62	(\$8,445.74)	(\$58,601.82)
5	Apr-16	(\$11,846.20)	(\$39,411.75)	(\$2,019.33)	(\$53,277.28)	\$6,945.88	\$7,616.25	\$4,900.32	(\$53,701.50)
6	May-16	(\$12,850.96)	(\$31,997.76)	(\$1,813.28)	(\$46,662.00)	\$5,432.58	\$7,152.97	\$7,418.38	(\$46,283.12)
7	Jun-16	(\$26,739.36)	(\$42,346.83)	(\$3,130.06)	(\$72,216.25)	\$5,026.16	\$6,060.71	\$21,713.20	(\$24,569.92)
8	Jul-16	(\$33,970.25)	(\$49,648.67)	(\$4,036.02)	(\$87,654.94)	\$10,932.01	\$15,622.16	\$23,038.24	(\$1,531.68)
9	Aug-16	(\$50,143.35)	(\$74,465.96)	(\$5,422.05)	(\$130,031.36)	\$7,124.37	\$7,758.41	\$43,018.98	\$41,487.30
10	Sep-16	(\$28,720.95)	(\$48,854.43)	(\$3,517.32)	(\$81,092.70)	\$6,877.39	\$7,163.01	\$21,843.56	\$63,330.86
11	Oct-16	(\$18,774.25)	(\$42,651.65)	(\$2,572.41)	(\$63,998.31)	\$11,801.45	\$11,423.46	\$6,972.80	\$70,303.66
12	Nov-16	(\$6,682.85)	(\$34,046.70)	(\$1,703.62)	(\$42,433.17)	\$20,580.68	\$19,225.98	(\$13,897.83)	\$56,405.83

#### Atmos Energy Corporation Refund Factor Case No. 2016-00129 (RF)

Line No.	Amounts Reported:						ΑM	MOUNT
							_	
1 2	Tennessee Gas Pipeline Rate Case Refund,	Docket No. RP11-	1566				\$	1-
3	Carryover from Case No. 2015-00000							0.00
4	Less: amount related to specific end users							0.00
5	Amount to flow-through						\$	-
6								
7	Average of the 3-Month Commercial Paper R	ates for the immed	liately					0.00%
8	preceding 12-month period less 1/2 of 1% to	cover the costs of r	refunding.					
9								
10			(1)	(2	)	(3)		
11	Allocation		Demand	Comm	odity	Total		
12								
13	Balance to be Refunded		\$0	\$	-	\$0		
14			0		0	0		
15 16	Total (w/o interest)		0		0	0	·	
17	Interest (Line 14 x Line 5)		0		0	0		
18	Total	•	\$0	****	\$0	\$0	e.	
19		:					5	
20	Refund Calculation							
21								
22	Demand Allocator - All							
23	(See Exh. B, p. 8, line 12)	0.1531						
24	Demand Allocator - Firm	5 8 75 2						
25	(1 - Demand Allocator - All)	0.8469						
26	Firm Volumes (normalized)	17 200 000						
27 28	(See Exh. B, p. 6, col. 3, line 28) All Volumes (excluding Transportation)	17,208,968						
29	(See Exh. B, p. 6, col. 2, line 28)	17,494,254						
30	(See Exit. B, p. 5, 561. 2, inte 25)	17,404,204						
31	Demand Factor - All	\$0	\$0.0000	/ MCF				
32	Demand Factor - Firm	\$0	\$0.0000	/ MCF				
33	Commodity Factor	\$0		\$	-	/ MCF		
34	Total Demand Firm Factor							
35	(Col. 2, lines 29 - 30)		\$0.0000	/ MCF				
36	Total Demand Interruptible Factor							
37	(Col. 2, line 29)		\$0.0000	/ MCF				
38	Total Firm Sales Factor							
39	(Col. 2, line 31 + col. 1, line 33)			\$	-	/ MCF	1	

#### Exhibit E

# Atmos Energy Corporation Performance Based Rate Recovery Factor 2017-00000 (PBRRF)

Line No.	Amounts Reported:		AMOUNT
1 2	Company Share of 11/15-10/16 PBR Activity Carry-over Amount in Case No. 2016-00XXX		\$ 2,727,732.37 \$279,828.77
3 4 5	Total	-	\$ 3,007,561.14
6 7 8 9 10	Total Less: Amount related to specific end users Amount to flow-through	- -	\$ 3,007,561.14 0.00 \$ 3,007,561.14
11 12 13 14	Allocation	Total	
15	Company share of PBR activity	\$ 3,007,561.14	
16 17 18	PBR Calculation		
19 20 21 22 23	Demand Allocator - All (See Exh. B, p. 6, line 10) Demand Allocator - Firm (1 - Demand Allocator - All) Firm Volumes (normalized)	0.1531 0.8469	
24 25	(See Exh. B, p. 6, col. (a), line 19) All Volumes (excluding Transportation)	17,208,968	
26 27 28	(See Exh. B, p. 6, col. (b), line 28)	17,494,254	
29 30	Total Sales Factor (Line 15 / Line 26)	\$ 0.1719 / MCF	
31	Total Interruptible Sales Factor (Line 29)	\$ 0.1719 / MCF	

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

EXHIBIT E Workpaper 1

Company Share of 11/14-10/15 PBR Activity Carry-over Amount in Case No. 2014-00478

2,870,080.42 (93,722.12)

Balance Filed in Case No.

2,776,358.30

Line <u>No.</u>	Month (a)	Sales (b)	PBRRF (c)	PBR <u>Recoveries</u> (d)	PBR Recovery <u>Adjustments</u> (e)	Total PBR Recoveries (d) + (e) = (f)	Balance Prior (g) - (f) = (g)
1	(-7	()	(-)	(/	(-)	(-) (-) (-)	(9) (1) (9)
2	Balance Forw	ard (from above)					\$ 2,776,358.30
3	Feb-15	3,312,974	\$0.1527	\$505,891.15	\$7,727.27	513,618.42	2,262,739.88
4	Mar-15	3,442,457	0.1527	525,663.25	\$4,595.18	530,258.43	1,732,481.45
5	Apr-15	1,384,846	0.1527	211,466.05	\$4,264.87	215,730.92	1,516,750.53
6	May-15	618,657	0.1527	94,468.98	\$4,335.04	98,804.02	1,417,946.51
7	Jun-15	412,463	0.1527	62,983.09	\$4,986.33	67,969.42	1,349,977.09
8	Jul-15	340,133	0.1527	51,938.37	\$4,011.85	55,950.22	1,294,026.87
9	Aug-15	397,052	0.1527	60,629.77	\$3,559.90	64,189.67	1,229,837.20
10	Sep-15	378,476	0.1527	57,793.31	\$1,299.63	59,092.94	1,170,744.26
11	Oct-15	529,996	0.1527	80,930.39	\$2.63	80,933.02	1,089,811.24
12	Nov-15	852,324	0.1527	130,149.81	\$142.97	130,292.78	959,518.46
13	Dec-15	1,683,702	0.1527	257,101.31	\$2,096.66	259,197.97	700,320.49
14	Jan-16	2,733,212	0.1527	417,361.43	\$3,130.29	420,491.72	279,828.77
15							
16	Total	16,086,293		\$2,456,376.91	\$40,152.62	\$2,496,529.53	\$279,828.77
	=						

# COMMONWEALTH OF KENTUCKY BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION

In the Matter of:		
GAS COST ADJUSTMENT	)	CASE NO.
FILING OF	)	2017-00000
ATMOS ENERGY CORPORATION	)	

## <u>PETITION FOR CONFIDENTIALITY OF INFORMATION</u> BEING FILED WITH THE KENTUCKY PUBLIC SERVICE COMMISSION

Atmos Energy Corporation ("Atmos") respectfully petitions the Kentucky Public Service Commission ("Commission") pursuant to 807 KAR 5:001 Section 13 for confidential treatment of the information which is described below and which is attached hereto. In support of this Petition, Atmos states as follows:

- 1. Atmos is filing its Gas Cost Adjustment ("GCA") for the quarterly period commencing on August 1, 2017 through October 31, 2017. This GCA filing contains a change to Atmos' Correction Factor (CF) as well as information pertaining to Atmos' projected gas prices. The following two attachments contain information which requires confidential treatment.
  - a. The attached Exhibit D, Page 5 of 6 contains confidential information from which the actual price being paid by Atmos for natural gas to its supplier can be determined.
  - b. The attached Weighted Average Cost of Gas ("WACOG") schedule in support of Exhibit C, Page 2 of 2 contains confidential information pertaining to prices projected to be paid by Atmos for purchase contracts.

- Information of the type described above has previously been filed by Atmos with the Commission under petitions for confidentiality. The Commission has consistently granted confidential protection to that type of information in each of the prior GCA filings since KPSC Case No. 1999-070.
- 3. All of the information sought to be protected herein as confidential, if publicly disclosed, would have serious adverse consequences to Atmos and its customers. Public disclosure of this information would impose an unfair commercial disadvantage on Atmos. Atmos has successfully negotiated an extremely advantageous gas supply contract that is very beneficial to Atmos and its ratepayers. Detailed information concerning that contract, including commodity costs, demand and transportation charges, reservations fees, etc. on specifically identified pipelines, if made available to Atmos' competitors, (including specifically non-regulated gas marketers), would clearly put Atmos to an unfair commercial disadvantage. Those competitors for gas supply would be able to gain information that is otherwise confidential about Atmos' gas purchases and transportation costs and strategies. The Commission has accordingly granted confidential protection to such information.
- 4. Likewise, the information contained in the WACOG schedule in support of Exhibit C, Page 2 of 2, also constitutes sensitive, proprietary information which if publicly disclosed would put Atmos to an unfair commercial disadvantage in future negotiations.
- 5. Atmos would not, as a matter of company policy, disclose any of the information for which confidential protection is sought herein to any person or entity, except as required by law or pursuant to a court order or subpoena. Atmos' internal practices and policies are directed towards non-disclosure of the attached information. In fact, the information contained in the attached report is not disclosed to any personnel of Atmos except those who need to know in

order to discharge their responsibility. Atmos has never disclosed such information publicly.

This information is not customarily disclosed to the public and is generally recognized as confidential and proprietary in the industry.

- 6. There is no significant interest in public disclosure of the attached information. Any public interest in favor of disclosure of the information is out weighed by the competitive interest in keeping the information confidential.
- 7. The attached information is also entitled to confidential treatment because it constitutes a trade secret under the two prong test of KRS 265.880: (a) the economic value of the information as derived by not being readily ascertainable by other persons who might obtain economic value by its disclosure; and, (b) the information is the subject of efforts that are reasonable under the circumstances to maintain its secrecy. The economic value of the information is derived by Atmos maintaining the confidentiality of the information since competitors and entities with whom Atmos transacts business could obtain economic value by its disclosure.
- The attached information is, for the reasons set forth above, entitled to confidential protection under KRS 61.878.
- The attached information should be treated as confidential for an indefinite period because its competitively sensitive nature will last for an indefinite period.

WHEREFORE, Atmos petitions the Commission to treat as confidential all of the material and information which is included in the attached one volume marked "Confidential".

Respectfully submitted this 29th day of June, 2017.

Vive

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Attorneys for Atmos Energy Corporation