

DEC 2 2 2017

PUBLIC SERVICE COMMISSION



December 22, 2017

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

2017-00478 Re: Case No. 2018-00000

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

DEC 2 2 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)

2017-00478 Case No. 2018-00000

NOTICE

QUARTERLY FILING

For The Period

February 1, 2018 - April 30, 2018

Attorney for Applicant

Mark R. Hutchinson 611 Frederica Street Owensboro, Kentucky 42301

December 22, 2017

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 Nineteenth Revised Sheet No. 4, Nineteenth Revised Sheet No. 5, and Nineteenth Revised Sheet No. 6 to its PSC No. 2, <u>Rates, Rules and Regulations for</u> <u>Furnishing Natural Gas</u> to become effective February 1, 2018.

The Gas Cost Adjustment (GCA) for firm sales service is \$5.2725 per Mcf and \$3.9548 per Mcf for interruptible sales service. The supporting calculations for the Nineteenth 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. 2017-00402, 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 February 1, 2018 through April 30, 2018, as shown in Exhibit C, page 1 of 2.
- 2. The G-1 Expected Gas Cost will be approximately \$4.5513 per Mcf for the quarter of February 1, 2018 through April 30, 2018, as compared to \$4.5613 per Mcf used for

the period of November 1, 2017 through January 31, 2018. The G-2 Expected Commodity Gas Cost will be approximately \$3.2336 for the quarter of February 1, 2018 through April 30, 2018 as compared to \$3.3446 for the period of November 1, 2017 through January 31, 2018.

- The Company's notice sets out a new Correction Factor of \$0.5360 per Mcf which will remain in effect until at least April, 2018.
- 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 October 31, 2017 (November, 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 Nineteenth Revised Sheet No. 5; and Nineteenth 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 February 1, 2018.

DATED at Dallas, Texas this 22th Day of December, 2017.

ATMOS ENERGY CORPORATION

By: 1997

Anthony Croissant Sr. Rate Administration Analyst Atmos Energy Corporation

FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

NINETEENTH REVISED SHEET NO. 4

ATMOS ENERGY CORPORATION

NAME OF UTILITY

CANCELLING

EIGHTEENTH REVISED SHEET NO. 4

-) -) -)

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	Current Rate Summary Case No. 2018-00000	
<u>Firm Service</u> Base Charge: Residential (G-1) Non-Residential (G-1) Transportation (T-4)	 \$17.50 per meter per month 44.50 per meter per month 375.00 per delivery point per month 	
Transportation Administration Fee Rate per Mcf ² Sales (G First 300 ¹ Mcf @ Next 14,700 ¹ Mcf @ Over 15,000 Mcf @	- 50.00 per customer per meter -1) Transportation (T-4) 6.8065 per Mcf 0 1.5340 per Mcf 6.2225 per Mcf 0 0.9500 per Mcf 6.0125 per Mcf 0 0.7400 per Mcf	(1, (1, (1,
Interruptible Service Base Charge Transportation Administration Fee	 \$375.00 per delivery point per month 50.00 per customer per meter 	
Rate per Mcf 2Sales (GFirst15,000 1 McfOver15,000 Mcf	-2) Transportation (T-3) 4.8048 per Mcf @ 0.8500 per Mcf 4.5953 per Mcf @ 0.6405 per Mcf	(l. (l,
×		
	(sales, transportation; firm and interruptible) will be mining whether the volume requirement of 15,000 Mcf ha lso apply, where applicable.	s
DATE OF ISSUE Decemb	er 22, 2017	

 MONTH / DATE / YEAR

 DATE EFFECTIVE
 February 1, 2018

 MONTH / DATE / YEAR

 ISSUED BY
 /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
 2018-00000
 DATED
 N/A

FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

NINETEENTH REVISED SHEET NO. 5

CANCELLING

NAME OF UTILITY

ATMOS ENERGY CORPORATION

EIGHTEENTH REVISED SHEET NO. 5

ase No. 2018-00000		_
vice (G-1) and Interruptible Sa	ales Service (G-2).	
PBRRF		
<u> </u>	G-2	
4.5513	3.2336	(R, 1
0.5360	0.5360	(I, I
0.0000	0.0000	(-, -
0.1852	0.1852	(I, I
\$5.2725	\$3.9548	(1, 1
	vice (G-1) and Interruptible Sa PBRRF <u>G - 1</u> 4.5513 0.5360 0.0000 <u>0.1852</u>	vice (G-1) and Interruptible Sales Service (G-2). PBRRF G-1 G-2 4.5513 3.2336 0.5360 0.5360 0.0000 0.0000 0.1852 0.1852

DATE OF ISSUE	December 22, 2017	
	MONTH / DATE / YEAR	
DATE EFFECTIVE	February 1, 2018	
i trace and a fi	MONTH / DATE / YEAR	
ISSUED BY	/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 2018-00000 DATED N/A

FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

NINETEENTH REVISED SHEET NO. 6

CANCELLING

ATMOS ENERGY CORPORATION NAME OF UTILITY

EIGHTEENTH REVISED SHEET NO. 6

		(Transporta			
		ala ana di kana a ata ya a cara da ba	Case	No. 2018-0000	0		
The Transport	ation Rates (T-	3 and T-4)	for each	respective serv	vice net monthly rate	is as follows	:
System Lost	and Unaccour	ited gas p	ercentag	e:		1.61%	
				Simple Margin	Non- Commodity	Gross Margin	
Transportatio							-
	rvice (T-4)						
First	300	Mcf	@	\$1.5340 +	\$0.0000 =		per Mcf
Next	14,700	Mcf	@	0.9500 +	0.0000 =		per Mcf
All over	15,000	Mcf	@	0.7400 +	0.0000 =	0.7400	per Mcf
Interrup	tible Service (T-3)					
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
¹ Excludes s	tandby sales s	ervice.					
DATE OF ISSUE		December MONTH / DA	the second s				
DATE EFFECTIVE	t	February					
		MONTH / DA	TE / YEAR				
ISSUED BY		/s/ Mark A SIGNATURE (
TITLE Vice Pres	sident – Rates &						
BY AUTHORITY (IN CASE NO 24		THE PUBL		CE COMMISSI	ON		

Atmos Energy Corporation Comparison of Current and Previous Cases Sales Service

_ine					(a) Case	(b) e No.	(c)
No.	Description				2017-00402	2018-00000	Difference
					\$/Mcf	\$/Mcf	\$/Mcf
1	<u>G - 1</u>						
2	206						
3			r Case No. 2015-003	343)			
4	First		0 Mcf		1.5340	1.5340	0.0000
5	Next		0 Mcf		0.9500	0.9500	0.0000
6	Over	15,00	0 Mcf		0.7400	0.7400	0.0000
7							
8	Gas Cost Ac			35			
9		pected Gas	s Cost):		0.4004	0.0400	(0.4405)
10	Commo				3.1294	3.0109	(0.1185)
11	Deman				1.4319	1.5404	0.1085
12	Total EG				4.5613	4.5513	(0.0100)
13		ection Facto			0.1816	0.5360	0.3544
14		nd Adjustm		F ()	0.0000	0.0000	0.0000
15			e Based Rate Reco	very Factor)	0.1719	0.1852	0.0133
16	GCA (Gas	Cost Adjus	tment)		4.9148	5.2725	0.3577
17	Data		I I/				
	Rate per Mc				0 4400	0.0005	0 0 5 7 7
19	First Next		0 Mcf		6.4488	6.8065	0.3577
20 21			0 Mcf		5.8648	6.2225	0.3577
	Over	15,000	0 Mcf		5.6548	6.0125	0.3577
22		611					
23	c a						
25	<u>G - 2</u>						
	Distribution (hargo (po	r Case No. 2015-003	(12)			
27	First		0 Mcf	943)	0.8500	0.8500	0.0000
28	Over		0 Mcf		0.6405	0.6405	0.0000
29	Over	15,000			0.0405	0.0405	0.0000
	Gas Cost Ad	liuctmont C	omnonente				
31		pected Gas					
32	Commo		0051).		3.1294	3.0109	(0.1185)
33	Deman				0.2152	0.2227	0.0075
34	Total EG				3.3446	3.2336	(0.1110)
35		ection Facto	nr)		0.1816	0.5360	0.3544
36		nd Adjustm			0.0000	0.0000	0.0000
37	•		ce Based Rate Reco	verv Factor)	0.1719	0.1852	0.0133
38	GCA (Gas				3.6981	3.9548	0.2567
39	0011(000	oootiitajao	linony		0.0001		
	Rate per Mc	f (GCA incl	uded)				
41	First		D Mcf		4.5481	4.8048	0.2567
42	Over		0 Mcf		4.3386	4.5953	0.2567
43							(7) (7) (7) (7) (7) (7) (7) (7) (7) (7)
44		tor (RE)					
44	Refund Fac			Effective			
44	Refund Fac				DE		
44 45	Refund Fac		Case No.	Date	RF		
44 45 47	Refund Fac		Case No.	Date	RF		
44 45 47 48	Refund Fac	1-	Case No. 2017-00180	Date 6/1/2017	0.0000		
44 45 47 48 49	<u>Refund Fac</u>						
44 45 47 48 49 50 51 52	<u>Refund Fac</u>	1-	2017-00180	6/1/2017	0.0000		
44 45 47 48 49 50 51 52 53	<u>Refund Fac</u>	1 - 2 -	2017-00180 2017-00260	6/1/2017 8/1/2017	0.0000		
44 45 47 48 49 50 51 52 53 54	Refund Fac	1 - 2 - 3 - 4 -	2017-00180 2017-00260 2017-00402 2018-00000	6/1/2017 8/1/2017 11/1/2017	0.0000 0.0000 0.0000		

Atmos Energy Corporation Comparison of Current and Previous Cases Transportation Service

Line				(a) Cas	(b) e No.	(c)
No.	Description	ì		2017-00402	2018-00000	Difference
				\$/Mcf	\$/Mcf	\$/Mcf
1	T -4 Transp	ortation Serv	vice / Firm Service (High Priority)			
2						
3	Simple Marg	gin / Distributio	on 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 / Interr	uptible Servi	ce (Low Priority)			
10						
11	Simple Marc	gin / Distributio	on Charge (per Case No. 2015-00343)			
12	First	15,000	Mcf	0.8500	0.8500	0.0000
13	Over	15,000	Mcf	0.6405	0.6405	0.0000
14						

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

		(a)	(b)	(C)	(d) Non-Com	(e) modity
Line No. Description		Tariff Sheet No.	Annual Units	Rate	Total	Demand
			MMbtu	\$/MMbtu	\$	\$
1 SL to Zone 2						
2 NNS Contract # 29	9760		12,340,360			
3 Base Rate		Section 4.4 - NNS		0.3088	3,810,703	3,810,703
4		2				
5 Total SL to Zone 2			12,340,360		3,810,703	3,810,703
6 7 SI to Zono 2						
7 <u>SL to Zone 3</u> 8 NNS Contract # 29	9762		27 757 699			
9 Base Rate	9702	Section 4.4 - NNS	27,757,688	0.3543	9,834,549	9,834,549
10		000001 4.4 - 14140		0.0040	5,054,545	5,054,545
	9759		6,022,500			
12 Base Rate		Section 4.1 - FT	22 C A	0.2939	1,770,013	1,770,013
13						
14 FT Contract # 34	1380		3,650,000			
15 Base Rate		Section 4.1 - FT		0.2939	1,072,735	1,072,735
16						
17 Total SL to Zone 3		~ 14	37,430,188		12,677,297	12,677,297
18						
19 Zone 1 to Zone 3		0 U 10 0TE				
	5772	Section 4.2 - STF	776,400	0 0000	054.044	054.044
21 Base Rate				0.3282	254,814	254,814
22 23 STF Contract # 36	6788	Section 4.2 - STF	90,000			
24 Base Rate	1100	Section 4.2 - 511	30,000	0.3282	29,538	29,538
25				0.0202	20,000	20,000
26 Total Zone 1 to Zone 3			866,400		284,352	284,352
27).			1	
28 SL to Zone 4						
	9763		3,320,769			
30 Base Rate		Section 4.4 - NNS		0.4190	1,391,402	1,391,402
31			0.0000.000			
	097	Contine 1.4 FT	1,825,000	0 0070	000 775	000 775
33 Base Rate 34		Section 4.1 - FT		0.3670	669,775	669,775
38 Total SL to Zone 4		9	5,145,769	3	2,061,177	2,061,177
39		07	0,140,700		2,001,177	2,001,177
40 Zone 2 to Zone 4						
	1674		2,309,720			
42 Base Rate		Section 4.1 - FT		0.2780	642,102	642,102
43		2				8. (1
44 Total Zone 2 to Zone 4			2,309,720		642,102	642,102
45						
46 Zone 3 to Zone 3						
	5773	O U LA FT	1,070,000	0 4 4 0 0	211.011	244.044
48 Base Rate		Section 4.1 - FT		0.1493	344,841	344,841
49 50 Total Zone 3 to Zone 3			1 070 000		344,841	344,841
51			1,070,000		544,041	544,041
52 Total SL to Zone 2			12,340,360		3,810,703	3,810,703
53 Total SL to Zone 3			37,430,188		12,677,297	12,677,297
54 Total Zone 1 to Zone 3			866,400		284,352	284,352
			5,145,769		2,061,177	2,061,177
55 Total SL to Zone 4			2,309,720		642,102	642,102
56 Total Zone 2 to Zone 4						0 / / 0 / /
56 Total Zone 2 to Zone 4 57 Total Zone 3 to Zone 3			1,070,000		344,841	344,841
56 Total Zone 2 to Zone 4 57 Total Zone 3 to Zone 3 58			1,070,000		FRANK ANDRE LEN	12500 - 10500 - 1040
56 Total Zone 2 to Zone 4 57 Total Zone 3 to Zone 3 58 59 Total Texas Gas					344,841 19,820,472	344,841 19,820,472
56 Total Zone 2 to Zone 4 57 Total Zone 3 to Zone 3 58 59 Total Texas Gas 60			1,070,000		FRANK ANDRE LEN	Alleria andres and
56 Total Zone 2 to Zone 4 57 Total Zone 3 to Zone 3 58 59 Total Texas Gas	on-Con	- 	1,070,000		FRANK ANDRE LEN	19950 AUG 1000

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

	(a)	(b)	(C)	(d) Non-C	(e) Commodity
Line	Tariff	Annual			-
No. Description	Sheet No.	Units	Rate	Total	Demand
		MMbtu	\$/MMbtu	\$	\$
1 0 to Zone 2					
2 FT-G Contract # 2546		145,000			
3 Base Rate	23	1	15,5759	2,258,506	2,258,506
4					1901 5 19 212.5
5 FT-A Contract # 95033		144,000			
6 Base Rate	14		15.5759	2,242,930	2,242,930
7					
8 Total Zone 0 to 2		289,000		4,501,436	4,501,436
9			D:		
10 11 to Zone 2					
11 FT-A Contract # 300264		30,000			
12 Base Rate	14		10.5774	317,322	317,322
13					
14 Total Zone 1 to 2		30,000		317,322	317,322
15					
16 Gas Storage					
17 Production Area:					
18 Demand	61	34,968	2.0334	71,104	71,104
19 Space Charge	61	4,916,148	0.0207	101,764	101,764
20 Market Area:					
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		16,034,832		749,857	749,857
24			2		
25 Total Tennessee Gas Area	FT-G Non-Commodity			5,568,615	5,568,615

Texas Gas Transmission - Commodity Purchases

		(a)	(b)	(C)	(d)	(e)	(f)
Line		Tariff					
No.	Description	Sheet No.		1.58 N	rchases	Rate	Total
				Mcf	MMbtu	\$/MMbtu	\$
1	No Notice Service				1,611,113	0.0000	1010000
2	Indexed Gas Cost					2.8820	4,643,229
3	Commodity (Zone 3)	Section 4.4 - NNS	0.000/			0.0490	78,945
4	Fuel and Loss Retention @	Section 4.18.1	0.99%		3	0.0288	46,400
5 6						2.9598	4,768,574
7	Firm Transportation				1,318,184		
8	Indexed Gas Cost				1,310,104	2.8820	3,799,005
9	Base (Weighted on MDQs)					0.0443	58,396
9 10	ACA	Section 4.1 - FT				0.0013	1,714
11	Fuel and Loss Retention @	Section 4.18.1	0.99%			0.0013	37,964
12	Fuel and Loss Retention @	Section 4. 10. 1	0.99%		9	2.9564	3,897,079
12	No Notice Storage					2.9004	3,097,079
14	Net (Injections)/Withdrawals						
15	Withdrawals				2,304,665	2.7260	6,282,517
16	Injections				2,004,000	2.8820	0,202,017
17	Commodity (Zone 3)	Section 4.4 - NNS			0	0.0490	112,929
18	Fuel and Loss Retention @	Section 4.18.1	0.99%			0.0288	66,374
19		00000114.10.1	0.0070		2,304,665	2.8038	6,461,820
20					2,001,000	2.0000	0,101,020
21							
22	Total Purchases in Texas Area				5,233,962	2.8903	15,127,473
23							
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	5	12,340,360	21.24%	\$0.0399	\$ 0.0085
31	SL to Zone 3	Section 4.1 - FT		37,430,188	64.43%	0.0445	\$ 0.0287
32	1 to Zone 3	Section 4.1 - FT		866,400	1.49%	0.0422	\$ 0.0006
33	SL to Zone 4	Section 4.1 - FT		5,145,769	8.86%	0.0528	\$ 0.0047
34	2 to Zone 4	Section 4.1 - FT		2,309,720	3.98%	0.0446	\$ 0.0018
35	Total		-	58,092,437	100.0%		\$ 0.0443
	(N) 503557				100.070		, 5.6110

36						_	
37	Tennessee Gas						
38	0 to Zone 2	24	289,000	90.60%	\$0.0167	\$	0.0151
39	1 to Zone 2	24	30,000	9.40%	0.0087		0.0008
40	Total		319,000	100.00%		\$	0.0159

Exhibit B Page 4 of 8

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

		(a)	(b)	(c)	(d)	(e)	(f)
Line		Tariff					
	Description	Sheet No.		Pu	rchases	Rate	Total
-	•			Mcf	MMbtu	\$/MMbtu	\$
	FT-A and FT-G				447,371		
2	Indexed Gas Cost					2.8820	1,289,323
3	Base Commodity (Weighted on MDQs)					0.0159	7,135
4	ACA	24				0.0013	582
5	Fuel and Loss Retention	32	1.32%		5	0.0386	17,269
6						2.9378	1,314,309
7							
8	FT-GS				0		
9	Indexed Gas Cost					2.8820	0
10	Base Rate	26				0.8697	0
11	ACA	24				0.0013	0
12	Fuel and Loss Retention	32	1.32%		1	0.0386	0
13						3.7916	0
14							
15	Gas Storage						
16	FT-A & FT-G Market Area Withdrawals				766,961	2.7260	2,090,736
17	FT-A & FT-G Market Area Injections				0	2.8820	0
18	Withdrawal Rate	61				0.0087	6,673
19	Injection Rate	61				0.0087	0
20	Fuel and Loss Retention	61	1.37%			0.0001	77
21	Total				766,961	2.7348	2,097,486
22							
23							
24				1			
25	Total Tennessee Gas Zones			-	1,214,332	2.8096	3,411,795

Atmos Energy Corporation Expected Gas Cost (EGC) Calculation Trunkline Gas Company						Exhibit B Page 5 of 8
Commodity	(a)	(b)	(c)	(d)	(e)	(f)
Line No. Description	Tariff Sheet No.		Purc	hases	Rate	Total
			Mcf	MMbtu	\$/MMbtu	\$
 Firm Transportation Expected Volumes Indexed Gas Cost Base Commodity ACA Fuel and Loss Retention 8 9 	13 13 13	0.71%		225,000	2.8820 0.0051 0.0013 0.0177 2.9061	648,450 1,148 293 3,983 653,874
Non-Commodity						
	(a)	(b)	(c)	(d)	(e)	

			(a)	(b)	Non-Commodity			
Line No.	Description		Tariff Sheet No.	Annual 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								
13	Total Trunkline Ar	ea Non-Con	nmodity		-	181,494	181,494	

Expected Gas Cost (EGC) Calculation Demand Charge Calculation

٢	age	6	ot	5

Line			<i>0</i> . x	7 - 2	7-12	1-1
No.		_ (a)	(b)	(C)	(d)	(e)
1	Total Demand Cost:					
2	Texas Gas Transmission	\$19,820,472				
3	Midwestern	0				
4	Tennessee Gas Pipeline	5,568,615				
5	Trunkline Gas Company	181,494				
6	Total	\$25,570,581				
7						
8			Allocated	Related	Monthly De	emand Charge
9	Demand Cost Allocation:	Factors	Demand	Volumes	Firm	Interruptible
10	All	0.1478	\$3,779,332	16,971,263	0.2227	0.2227
11	Firm	0.8522	21,791,249	16,537,040	1.3177	
12	Total	1.0000	\$25,570,581		1.5404	0.2227
13						
14			Volumetric	Basis for		
15		Annualized	Monthly Dem	and Charge		
16		Mcf @14.65	All	Firm		
17	Firm Service					
18	Sales:					
19	G-1	16,537,040	16,537,040	16,537,040	1.5404	
20						
21	Interruptible Service					
22	Sales:					
23	G-2	434,223	434,223		1.5404	0.2227
24						
25	Transportation Service					
26	T-3 & T-4	29,383,024				
27						
28		46,354,287	16,971,263	16,537,040		
29						
20						

Expected Gas Cost (EGC) Calculation Commodity - Total System

(C)

(d)

No. Description		Purchas	es	Rate	Total
		Mcf	MMbtu	\$/Mcf	\$
1 Texas Gas Area					
2 No Notice Service		1,544,692	1,611,113	3.0871	4,768,574
3 Firm Transportation		1,263,839	1,318,184	3.0835	3,897,079
4 No Notice Storage	5	2,209,650	2,304,665	2.9244	6,461,820
5 Total Texas Gas Area		5,018,181	5,233,962	3.0145	15,127,473
6					
7 Tennessee Gas Area					
8 FT-A and FT-G		421,412	447,371	3.1188	1,314,309
9 FT-GS		0	0	0.0000	(
10 Gas Storage		0			
11 Injections		0	0	0.0000	
12 Withdrawals		722,458	766,961	2.9033	2,097,486
13		1,143,870	1,214,332	2.9827	3,411,79
14 Trunkline Gas Area					
15 Firm Transportation		224,104	225,000	2.9177	653,87
16		Construction (reserve to			
17 Company Owned Storage					
18 Withdrawals		1,729,182	1,803,537	2.8038	4,848,28
19 Injections		0		2.8038	
20 Net WKG Storage		1,729,182	1,803,537	2.8038	4,848,28
21		A			1
22					
23 Local Production		5,690	6,040	2.8821	16,399
24		-1			
25					
26					
27 Total Commodity Purchases		8,121,027	8,482,871	2.9624	24,057,822
28					
29 Lost & Unaccounted for @	1.61%	130,748	136,574		
30		= 0. 1			
31 Total Deliveries		7,990,279	8,346,297	3.0109	24,057,822
32			-1		
33					
34					
35 Total Expected Commodity Cost	2	7,990,279	8,346,297	3.0109	24,057,822
36		1-1-1-1-1			

(a)

(b)

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

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	16,971,263	
2	Transportation	0	
3	Total Mcf Billed Demand Charges	16,971,263	
4	Divided by: Days/Year	365	
5	Average Daily Sales and Transport Volumes	46,497	
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	314,559	Mcf/Peak Day
10			
11			
12	New Load Factor (line 5 / line 9)	0.1478	
13	N. N		

Atmos Energy Corporation 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 February 2018 through April 2018 during the period December 04 through December 15, 2017.

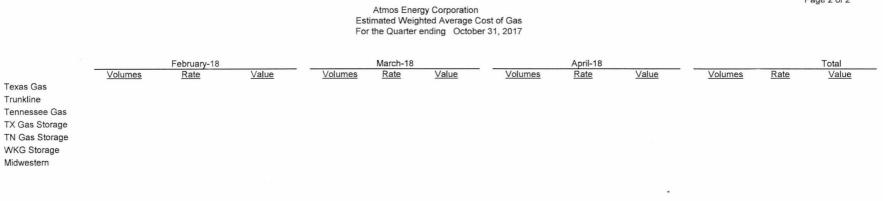
		Feb-18 (\$/MMBTU)	Mar-18 (\$/MMBTU)	Apr-18 (\$/MMBTU)
Monday	12/04/17	2.988	2.955	2.834
Tuesday	12/05/17	2.920	2.894	2.797
Wednesday	12/06/17	2.924	2.898	2.804
Thursday	12/07/17	2.782	2.761	2.705
Friday	12/08/17	2.792	2.767	2.698
Monday	12/11/17	2.847	2.816	2.722
Tuesday	12/12/17	2.694	2.670	2.614
Wednesday	12/13/17	2.732	2.704	2.631
Thursday	12/14/17	2.704	2.678	2.622
Friday	12/15/17	2.635	2.610	2.563
Average		\$2.802	\$2.775	\$2.699

• The Company believes prices are decreasing and prices for the quarter ending April 30, 2018 will settle at \$2.882 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.

Β.

EXHIBIT C Page 2 of 2



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

WACOGs

Correction Factor (CF) For the Three Months Ended October 2017 2018-00000

Line Actual Purchased Month Recoverable Volume (Mcf) Recoverable Gas Cost Recoverd Amount Recovery Amount Adjustments Total 1 August-17 405,733 \$2,734,901.76 \$1,753,954.79 \$980,946.97 \$0.00 \$980,946.97 2 September-17 255,689 \$2,979,765.54 \$2,105,398.92 \$874,366.62 \$0.00 \$874,366.62 5 October-17 845,641 \$4,372,665.62 \$2,109,819.04 \$2,262,846.58 \$0.00 \$2,262,846.58 6 Total Gas Cost Under/(Over) Recovery \$10,087,332.92 \$5,969,172,75 \$4,118,160.17 \$0.00 \$4,118,160.17 9 PBR Savings reflected in Gas Costs \$10,087,332.92 \$5,969,172,75 \$4,118,160.17 \$0.00 \$4,118,160.17 10 PBR Cavings reflected in Gas Cost through July 2017 (August 2017 GL) 3,121,157,86 \$0,007,146.49 \$6,077,146.49 11 Gorrection Factor - Part 1 \$0,004 Pr; Total Case Cost Under/(Over) Recovery for the three months ended October 2017 \$1,18,160.17 \$6,077,146.49 16 Prich romolocable Gas Cost through October 2017 (Novemb		(a)	(b)	(C)	(d) Actual GCA	(e) Under (Over)	(f)		(g)
September-17 255,689 \$2,979,765.54 \$2,105,398.92 \$874,366.62 \$0.00 \$874,366.62 October-17 845,641 \$4,372,665.62 \$2,109,819.04 \$2,262,846.58 \$0.00 \$2,262,846.58 Total Gas Cost		Month			ಿ ಪ್ರಧಾನದ ವಿಶ್ವದ ಮತ್ತುದ	ALM PERSONAL PROPERTY AND	Adjustments		Total
3 September-17 255,689 \$2,979,765.54 \$2,105,398.92 \$874,366.62 \$0.00 \$874,366.62 0 October-17 845,641 \$4,372,665.62 \$2,109,819.04 \$2,262,846.58 \$0.00 \$2,262,846.58 7 Total Gas Cost		August-17	405,733	\$2,734,901.76	\$1,753,954.79	\$980,946.97	\$0.00		\$980,946.97
5 October-17 845,641 \$4,372,665.62 \$2,109,819.04 \$2,262,846.58 \$0.00 \$2,262,846.58 7 Total Gas Cost Under/(Over) Recovery \$10,087,332.92 \$5,969,172.75 \$4,118,160.17 \$0.00 \$4,118,160.17 9 PBR Savings reflected in Gas Costs \$1,056,023.97 \$10,087,332.92 \$5,969,172.75 \$4,118,160.17 \$0.00 \$4,118,160.17 10 PBR Savings reflected in Gas Costs \$1,056,023.97 \$1,105.86 \$1,077,146.49 11 Correction Factor - Part 1 \$1,0087,037.41 \$6,077,146.49 \$6,077,146.49 11 Total Gas Cost as of November, 2016 \$1,436,699.05 \$6,077,146.49 11 November, 2016 \$1,436,699.05 \$6,077,146.49 11 S0,5049 Mcf \$6,077,146.49 11 S0,5049	3	September-17	255,689	\$2,979,765.54	\$2,105,398.92	\$874,366.62	\$0.00		\$874,366.62
7 Total Gas Cost \$10.087.332.92 \$5.969.172.75 \$4.118.160.17 9 PBR Savings reflected in Gas Costs \$10.087.332.92 \$5.969.172.75 \$4.118.160.17 10 PBR Savings reflected in Gas Costs \$10.087.332.92 \$5.969.172.75 \$4.118.160.17 11 Correction Factor - Part 1 3.121.157.86 12 Correction Factor - Part 1 3.121.157.86 14 Total Gas Cost Under/(Over) Recovery for the three months ended October 2017 4.118.160.17 15 Recovery from outstanding Correction Factor (CF) (107.973.74) \$6,077,146.49 16 Prior Net Uncollectable Gas Cost as of November, 2016 1,436,699.05 16,971,263 16 Over)/Under Recovered Gas Cost through October 2017 (November 2017 GL) (a) \$8,568,043.34 Mcf 19 Correction Factor - Part 1 \$0.5049 /Mcf 20 Correction Factor - Part 2 \$0.0311 /Mcf 21 Correction Factor - Part 2 \$0.0311 /Mcf 22 Correction Factor - Part 2 \$0.0311 /Mcf 23 Net Uncollectible Gas Cost through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 16,971	5	October-17	845,641	\$4,372,665.62	\$2,109,819.04	\$2,262,846.58	\$0.00		\$2,262,846.58
9 PBR Savings reflected in Gas Costs \$1,056,023.97 11 Correction Factor - Part 1 3,121,157.86 12 (Over)/Under Recovered Gas Cost through July 2017 (August 2017 GL) 3,121,157.86 13 (Over)/Under Recovered Gas Cost through July 2017 (August 2017 GL) 3,121,157.86 14 Total Gas Cost Under/(Over) Recovery for the three months ended October 2017 4,118,160.17 16 Prior Net Uncollectable Gas Cost as of November, 2016 1,436,699.05 17 (Over)/Under Recovered Gas Cost through October 2017 (November 2017 GL) (a) \$8,568,043.34 19 Divided By: Total Expected Customer Sales (b) 16,971,263 10 Correction Factor - Part 1 \$0.5049 / Mcf 11 S0.5049 / Mcf 16,971,263 12 Correction Factor - Part 2 50.0311 / Mcf 13 Correction Factor - Part 2 \$0.0311 / Mcf 14 Correction Factor - Part 2 \$0.0311 / Mcf 15 Correction Factor - Total (CF) 16,971,263 16 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 16 Divided By: Total Expected Customer Sales (b) 16,971,263 1	7	Contraction of the second s						-	
10 PBR Savings reflected in Gas Costs \$1,056,023.97 11 Correction Factor - Part 1 3,121,157.86 13 (Over)/Under Recovered Gas Cost through July 2017 (August 2017 GL) 3,121,157.86 14 Total Gas Cost Under/(Over) Recovery for the three months ended October 2017 4,118,160.17 16 Prior Net Uncollectable Gas Cost as of November, 2016 1,436,699.05 17 (Over)/Under Recovered Gas Cost through October 2017 (November 2017 GL) (a) \$8,568,043.34 18 Divided By: Total Expected Customer Sales (b) 16,971,263 Mcf 19 Correction Factor - Part 1 \$0.5049 / Mcf 20 Correction Factor - Part 2 \$0.3011 / Mcf 21 Correction Factor - Part 2 \$0.0311 / Mcf 22 Correction Factor - Part 2 \$0.0311 / Mcf 23 Net Uncollectable Gas Cost through November 2017 (c) 528,382.51 16,971,263 24 Divided By: Total Expected Customer Sales (b) 16,971,263 16,971,263 26 Correction Factor - Part 2 \$0.0311 / Mcf 27 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.		Under/(Over) Rec	overy	\$10,087,332,92	\$5,969,172.75	<u>\$4.118.160.17</u>	<u>\$0.00</u>		<u>\$4,118,160,17</u>
12 Correction Factor - Part 1 3,121,157.86 13 (Over)/Under Recovered Gas Cost through July 2017 (August 2017 GL) 3,121,157.86 14 Total Gas Cost Under/(Over) Recovery for the three months ended October 2017 4,118,160.17 15 Recovery from outstanding Correction Factor (CF) (107,973.74) \$6,077,146.49 16 Prior Net Uncollectable Gas Cost as of November, 2016 1,436,699.05 16,971,263 17 (Over)/Under Recovered Gas Cost through October 2017 (November 2017 GL) (a) \$8,568,043.34 16,971,263 18 Divided By: Total Expected Customer Sales (b) 16,971,263 Mcf 20 Correction Factor - Part 1 \$0.5049 / Mcf 21 Correction Factor - Part 2 528,382.51 16,971,263 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 16,971,263 24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Part 2 \$0.0311 / Mcf 27 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 16,971,263	10	PBR Savings refle							
14 Total Gas Cost Under/(Over) Recovery for the three months ended October 2017 4,118,160.17 15 Recovery from outstanding Correction Factor (CF) (107,973.74) \$6,077,146.49 16 Prior Net Uncollectable Gas Cost as of November, 2016 1,436,699.05 1,436,699.05 17 (Over)/Under Recovered Gas Cost through October 2017 (November 2017 GL) (a) \$8,568,043.34 16,971,263 19 Correction Factor - Part 1 \$0.5049 / Mcf 20 Correction Factor - Part 2 528,382.51 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Part 2 \$0.0311 / Mcf 27 Correction Factor - Part 2 \$0.0311 / Mcf 28 Correction Factor - Part 2 \$0.0311 / Mcf 29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 16,971,263 30 Divided By: Total Expected Customer Sales (b) 16,971,263 16,971,263 31 Correction Factor		Correction Factor	- Part 1						
15 Recovery from outstanding Correction Factor (CF) (107,973.74) \$6,077,146.49 16 Prior Net Uncollectable Gas Cost as of November, 2016 1,436,699.05 \$8,568,043.34 17 (Over)/Under Recovered Gas Cost through October 2017 (November 2017 GL) (a) \$8,568,043.34 Mcf 18 Divided By: Total Expected Customer Sales (b) 16,971,263 Mcf 19 Correction Factor - Part 1 \$0.5049 / Mcf 20 Correction Factor - Part 2 16,971,263 Mcf 21 Vided By: Total Expected Customer Sales (b) 16,971,263 Mcf 22 Correction Factor - Part 2 \$0.5049 / Mcf 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 16,971,263 24 Divided By: Total Expected Customer Sales (b) 16,971,263 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Total (CF) \$9,096,425.85 16,971,263 27 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 16,971,263 31 Divided By: Total Expected Customer Sales (b) 16,971,263							and a subscription of the subscription of the		
16 Prior Net Uncollectable Gas Cost as of November, 2016 1,436,699.05 17 (Over)/Under Recovered Gas Cost through October 2017 (November 2017 GL) (a) \$8,568,043.34 18 Divided By: Total Expected Customer Sales (b) 16,971,263 19 Correction Factor - Part 1 \$0.5049 20 Correction Factor - Part 1 \$0.5049 21 Vertice Gas Cost through November 2017 (c) 528,382.51 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Part 2 \$0.0311 / Mcf 27 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 Correction Factor - Total (CF) 16,971,263 32 Correction Factor - Total (CF) \$0.5360 / Mcf					ended October 201	7			
17 (Over)/Under Recovered Gas Cost through October 2017 (November 2017 GL) (a) \$8,568,043.34 18 Divided By: Total Expected Customer Sales (b) 16,971,263 19 Correction Factor - Part 1 \$0.5049 20 Correction Factor - Part 1 \$0.5049 21 Correction Factor - Part 2 \$0.5049 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 Correction Factor - Part 2 \$0.0311 26 Correction Factor - Total (CF) \$0.0311 27 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 Correction Factor - Total (CF) \$0.0311 32 Correction Factor - Total (CF) \$0.6360 33 Correction Factor - Total (CF) \$0.5360 34 Correction Factor - Total (CF) \$0.5360									\$6,077,146.49
18 Divided By: Total Expected Customer Sales (b) 16,971,263 Mcf 19 Correction Factor - Part 1 \$0.5049 / Mcf 20 Correction Factor - Part 1 \$0.5049 / Mcf 21 22 Correction Factor - Part 2 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 24 Divided By: Total Expected Customer Sales (b) 16,971,263 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Part 2 \$0.0311 / Mcf 27 28 Correction Factor - Total (CF) \$9,096,425.85 29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 Correction Factor - Total (CF) \$0.5360 / Mcf					1	-			
19 Correction Factor - Part 1 \$0.5049 / Mcf 21 Correction Factor - Part 2 528,382.51 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Part 2 \$0.0311 / Mcf 27 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 Correction Factor - Total (CF) \$0.5360					overfiber 2017 GL) ((a)	the second se	Mof	
20 Correction Factor - Part 1 \$0.5049 / Mcf 21 22 Correction Factor - Part 2 528,382.51 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Part 2 \$0.0311 / Mcf 27 7 7 7 28 Correction Factor - Total (CF) 59,096,425.85 16,971,263 29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 16,971,263 31 Correction Factor - Total (CF) 16,971,263 16,971,263 32 Correction Factor - Total (CF) \$0.5360 / Mcf		Divided by. Total	Expected Customer	Sales (D)			10,971,203	IVICI	
22 Correction Factor - Part 2 23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Total (CF) 59,096,425.85 16,971,263 29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 16,971,263 31 Correction Factor - Total (CF) 16,971,263 16,971,263	20	Correction Factor	- Part 1				\$0.5049	/ Mcf	
23 Net Uncollectible Gas Cost through November 2017 (c) 528,382.51 24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 Correction Factor - Part 2 \$0.0311 / Mcf 26 Correction Factor - Total (CF) 59,096,425.85 27 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 28 Divided By: Total Expected Customer Sales (b) 16,971,263 31 Correction Factor - Total (CF) 16,971,263 32 Correction Factor - Total (CF) \$0.5360		Correction Factor	- Part 2						
24 Divided By: Total Expected Customer Sales (b) 16,971,263 25 26 Correction Factor - Part 2 \$0.0311 / Mcf 27 28 Correction Factor - Total (CF) \$9,096,425.85 16,971,263 28 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 16,971,263 30 Divided By: Total Expected Customer Sales (b) 16,971,263 16,971,263 31 32 Correction Factor - Total (CF) \$0.5360 / Mcf				vember 2017 (c)			528,382.51		
26 Correction Factor - Part 2 \$0.0311 / Mcf 27 28 Correction Factor - Total (CF) \$9,096,425.85 29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 32 Correction Factor - Total (CF) \$0.5360						-			
27 28 Correction Factor - Total (CF) 29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 32 Correction Factor - Total (CF) \$0.5360 / Mcf									
28 Correction Factor - Total (CF) 29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 32 Correction Factor - Total (CF) \$0.5360 / Mcf		Correction Factor	- Part 2			_	\$0.0311	/ Mcf	
29 Total Deferred Balance through October 2017 (November 2017 GL) incl. Net Uncol Gas Cost \$9,096,425.85 30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 32 Correction Factor - Total (CF) \$0.5360 / Mcf		1920 - 1940 - 1940 - 194							
30 Divided By: Total Expected Customer Sales (b) 16,971,263 31 32 Correction Factor - Total (CF) \$0.5360 / Mcf			and the second se						
31 32 Correction Factor - Total (CF) \$0.5360 / Mcf									
32 Correction Factor - Total (CF) \$0.5360 / Mcf		Divided By: Total	Expected Customer S	sales (b)			16,971,263		
		Correction Facto	r - Total (CE)				\$0.5360	/ Mcf	
		- should have a state	, otal (or)			=	\$0.0000	, Intol	

Recoverable Gas Cost Calculation For the Three Months Ended October 2017 2018-00000

		GL	September-17	October-17	November-17
Line			(a)	(b) Month	(c)
No.	Description	Unit	August-17	September-17	October-17
1	Supply Volume				
2	Pipelines:				
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	1,494,189	1,568,165	2,161,789
9	Off System Storage			1112 Fold State (121)	
10	Texas Gas Transmission	Mcf	0	0	0
11	Tennessee Gas Pipeline	Mcf	0	0	0
12	System Storage				
13	Withdrawals	Mcf	0	0	0
14	Injections	Mcf	(651,872)	(760,971)	(867,305)
15	Producers	Mcf	(14,118)	1,698	1,678
16	Third Party Reimbursements	Mcf	(421)	(101)	(18)
17	Pipeline Imbalances cashed out	Mcf			
18	System Imbalances ²	Mcf	(422,045)	(553,102)	(450,503)
19	Total Supply	Mcf	405,733	255,689	845,641
20					
21	Change in Unbilled	Mcf			
22	Company Use	Mcf	0	0	0
23	Unaccounted For	Mcf	0	0	0
24	Total Purchases	Mcf	405,733	255,689	845,641

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.

Exhibit D Page 2 of 6

Recoverable Gas Cost Calculation For the Three Months Ended October 2017 2018-00000

2010		GL	September-17	October-17	November-17
Line			(a)	(b) Month	(c)
No.	Description	Unit	August-17	September-17	October-17
1	Supply Cost	_			
2	Pipelines:				
3	Texas Gas Transmission ¹	\$	1,271,478	1,237,584	1,685,972
4	Tennessee Gas Pipeline ¹	\$	200,257	200,772	224,770
5	Trunkline Gas Company ¹	\$	6,876	6,653	6,876
6	Twin Eagle Resource Management	\$	0	0	0
7	Midwestern Pipeline ¹	\$	0	0	0
8	Total Pipeline Supply	\$	1,478,612	1,445,008	1,917,618
9	Total Other Suppliers	\$	4,288,205	4,474,994	6,292,871
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	\$	0	0	23,049
17	Injections	\$	(1,895,527)	(1,670,878)	(2,191,555)
18	Producers	\$	7,868	8,356	5,350
19	Third Party Reimbursements	\$	(2,309)	(1,304)	(89)
20	Pipeline Imbalances cashed out	\$			
21	System Imbalances ²	\$	(1,303,606)	(1,438,070)	(1,836,238)
22	Sub-Total	\$	2,734,902	2,979,766	4,372,666
23	Pipeline Refund + Interest				
24	Change in Unbilled	\$			
25	Company Use	\$			
26	Recovered thru Transportation	\$ \$			
27	Total Recoverable Gas Cost	\$	2,734,901.76	2,979,765.54	4,372,665.62

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.

Recov	Energy Corporati ery from Correction Three Months End	Factors (CF)										Exhibit D Page 4 of 6	
2010			(a)	(b)	(C)	(d)	(e)	(f)	(g)	(h)	(i)		
Line			(a)	CF	CF	RF	RF	PBR	PBRRF	EGC	EGC Recovery	(j) Total	
No.	Month	Type of Sales	Mcf Sold	Rate	Amounts	Rate	Amounts	Rate	Amounts	Rate	Amounts	Recoveries	
1	August-17	G-1 Sales	348,332.105	\$0.0882	\$30,722.89	\$0.0000	\$0.00	\$0.1719	\$59,878.29	\$4.7963	\$1,670,705.28	\$1,761,306.46	
2		G-2 Sales	7,933.538	\$0.0882	699.74	\$0.0000	0.00	\$0,1719	1,363.78	\$3,5806	28,406.83	\$30,470.35	
6		Sub Total	356,265.643		\$31,422.63		\$0.00		\$61,242.07		\$1,699,112.11	\$1,791,776.81	
7		Timing: Cycle Billing and PPA's	0.000		862.45	_	(0.01)		2,208.57		54,842.68	\$57,913.69	
8		Total	356,265.643		\$32,285.08		(\$0.01)		\$63,450.64	52-	\$1,753,954.79	\$1,849,690.50	\$1,786,239.87
10													
11	September-17	G-1 Sales	421,627.037	\$0,0882	\$37,187,50	\$0.0000	\$0.00	\$0.1719	\$72,477,69	\$4.7963	\$2,022,249,76	\$2,131,914.95	
12		G-2 Sales	5,951,696	\$0,0882	524.94	\$0.0000	0.00	\$0,1719	1,023,10	\$3,5806	21,310.64	\$22,858.68	
16		Sub Total	427,578.733	2	\$37,712.44		\$0.00	.Su 33-	\$73,500,79	2	\$2,043,560,40	\$2,154,773.63	
17		Timing: Cycle Billing and PPA's	0.000		(50.36)		0.00		2,532.03		61,838.52	\$64,320.19	
18			427,578.733	_	\$37,662.08	[\$0.00	22	\$76,032.82	D/	\$2,105,398.92	\$2,219,093.82	\$2,143,061.00
19													
20	0 1 1 17	0.101	110 101 000	******	200 700 15	******	40.00					122 022122221217	
21	October-17	G-1 Sales	416,104.899	\$0.0882	\$36,700.45	\$0.0000	\$0.00	\$0.1719	\$71,528.43	\$4.7963	\$1,995,763.93	\$2,103,992.81	
22		G-2 Sales	14,682.044	\$0.0882	1,294.96	\$0.0000	0.00	\$0.1719	2,523.84	\$3.5806	52,570.53	\$56,389.33	
26		Sub Total	430,786.943		\$37,995.41		\$0.00		\$74,052.27		\$2,048,334.46	\$2,160,382.14	
27		Timing: Cycle Billing and PPA's	0.000	5	31.17	13	0.00	8.	2,541.61	57	61,484.58	\$64,057.36	
28 29		Total	430,786.943		\$38,026.58		\$0.00		\$76,593.88		\$2,109,819.04	\$2,224,439.50	\$2,147,845.62
30													
31	Total Pocovon, fr	om Correction Factor (CF)		11	\$107,973.74								
32		unded through the Refund Factor (RF)	N-	-	\$107,575.74	5	(\$0.01)						
33		om Performance Based Rate Recover				8	(\$0.01)	8	\$216,077.34				
34		from Expected Gas Cost (EGC) Facto						0 	\$210,077.04	2 <u>-</u>	\$5,969,172.75		
35		from Gas Cost Adjustment Factor (GC								=	\$0,000,112.10	\$6,293,223.82	
36												WU,200,220,02	
37			.53									-	\$6,077,146,49

NOTE: The cycle billing is a result of customers being billed by the meter read date.
 The prior period adjustments (PPA's) consist of billing revisions/adjustments.

\$6,077,146.49

Traditional and Other Pipelines

		Augus	August, 2017		mber, 2017	October, 2017		
	Description	MCF	Cost	MCF	Cost	MCF	Cost	
1 2 3 4 5 6 7 8 9 10 11 12	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							
13 14 15 16	Hedging Costs - All Zones Total	1,242,720	\$3,566,653.32	1,304,712	\$3,724,202.51	1,841,737	\$5,320,016.31	
17 18 19 20 21 22 23 24	Tennessee Gas Pipeline Area Chevron Natural Gas, Inc. Atmos Energy Marketing, LLC WESCO Prepaid Reservation Fuel Adjustment							
25 26 27	Total	31,699	\$85,580.04	30,677	\$82,239.71	30,086	\$85,028.32	
28 29 30 31 32 33 34	Trunkline Gas Company Atmos Energy Marketing, LLC Engage Prepaid Reservation Fuel Adjustment							
35 36 37	Total	23	\$65.86	36	\$106.44	(41)	(\$122.78)	
38 39 40 41 42 43 44 45	Midwestern Pipeline Atmos Energy Marketing, LLC Midwestern Gas Transmission Anadarko Prepaid Reservation Fuel Adjustment							
48	Total	219,747	\$636,136.36	232,740	\$668,638.83	290,007	\$888,150.46	
51 52 53 54 55 56	ANR Pipeline Atmos Energy Marketing, LLC LG&E Natural Anadarko Prepaid Reservation Fuel Adjustment					-		
57 58 59 60	Total	0	(\$230.69)	0	(\$193.41)	0	(\$200.88)	
61 62 63	All Zones Total	1,494,189	\$4,288,204.89	1,568,165	\$4,474,994.08	2,161,789	\$6,292,871.43	
64 65		**** Detail of Volumes	and Prices Has Been	Filed Under Peti	tion for Confidentiality	****		

Net Uncollectible Gas Cost Twelve Months Ended November, 2017

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-16	(\$71,461.94)	(\$113,714.62)	(\$6,441.17)	(\$191,617.73)	\$16,337.34	\$18,571.40	\$55,124.60	\$55,124.60
2	Jan-17	(\$24,612.80)	(\$73,726.83)	(\$3,217.64)	(\$101,557.27)	\$8,481.09	\$8,366.24	\$16,131.71	\$71,256.31
3	Feb-17	\$4,735.63	(\$22,578.05)	(\$2,361.71)	(\$20,204.13)	\$9,807.69	\$11,019.78	(\$14,543.32)	\$56,712.99
4	Mar-17	(\$6,174.88)	(\$42,912.97)	(\$1,383.25)	(\$50,471.10)	\$10,989.12	\$10,716.24	(\$4,814.24)	\$51,898.75
5	Apr-17	(\$8,954.38)	(\$38,313.33)	(\$1,481.31)	(\$48,749.02)	\$5,209.20	\$4,225.92	\$3,745.18	\$55,643.93
6	May-17	(\$19,083.71)	(\$43,180.44)	(\$290.74)	(\$62,554.89)	\$3,042.36	\$5,403.56	\$16,041.35	\$71,685.28
7	Jun-17	(\$31,134.24)	(\$55,295.62)	(\$3,003.38)	(\$89,433.24)	\$5,910.18	\$7,065.71	\$25,224.06	\$96,909.34
8	Jul-17	(\$41,563.47)	(\$90,787.54)	(\$3,830.25)	(\$136,181.26)	\$4,094.15	\$4,603.11	\$37,469.32	\$134,378.66
9	Aug-17	(\$73,895.47)	(\$115,109.13)	(\$7,040.66)	(\$196,045.26)	\$6,380.26	\$5,782.72	\$67,515.21	\$201,893.87
10	Sep-17	(\$298,777.81)	(\$514,370.29)	(\$30,131.42)	(\$843,279.52)	\$7,501.23	\$14,285.51	\$291,276.58	\$493,170.45
11	Oct-17	(\$60,014.97)	(\$94,528.62)	(\$5,868.38)	(\$160,411.97)	\$21,745.54	\$34,499.74	\$38,269.43	\$531,439.88
12	Nov-17	(\$20,993.08)	(\$65,859.17)	(\$2,872.85)	(\$89,725.10)	\$24,050.45	\$30,959.37	(\$3,057.37)	\$528,382.51

Exhibit D Page 6 of 6

Atmos Energy Corporation Performance Based Rate Recovery Factor 2018-00000

(PBRRF)

Line No.	Amounts Reported:		AMOUNT
110.	Amounto Reported.		741100111
1	Company Share of 11/16-10/17 PBR Activity		\$ 2,967,725.37
2	Carry-over Amount in Case No. 2016-00XXX		\$175,533.07
3			-
4	Total		\$ 3,143,258.45
5			
6			
7	Total		\$ 3,143,258.45
8	Less: Amount related to specific end users		0.00
9	Amount to flow-through		\$ 3,143,258.45
10			
11			
12			
13	Allocation	Total	
14			
15	Company share of PBR activity	\$ 3,143,258.45	
16	to Mill Conduct Model Production Carlo Car		
17	PBR Calculation		
18			
19	Demand Allocator - All		
20	(See Exh. B, p. 6, line 10)	0.1478	
21	Demand Allocator - Firm		
22	(1 - Demand Allocator - All)	0.8522	
23	Firm Volumes (normalized)		
24	(See Exh. B, p. 6, col. (a), line 19)	16,537,040	
25	All Volumes (excluding Transportation)		
26	(See Exh. B, p. 6, col. (b), line 28)	16,971,263	
27			
28			
29	Total Sales Factor (Line 15 / Line 26)	\$ 0.1852 / MCF	
30			
31	Total Interruptible Sales Factor (Line 29)	\$ 0.1852 / MCF	

Exhibit E

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

Company Share of 11/14-10/15 PBR Activity Carry-over Amount in Case No. 2015-00424

Balance Filed in Case No.

EXHIBIT E Workpaper 1

2,727,732.37 (695,131.92)

2,032,600.45

				PBR				
Line				PBR	Recovery	Total PBR		
No.	Month	Sales	PBRRF	Recoveries	Adjustments	Recoveries	E	Balance
	(a)	(b)	(C)	(d)	(e)	(d) + (e) = (f)	Prior $(g) - (f) = (g)$	
1								
2	Balance Forwa	ard (from above)					\$ 2	2,032,600.45
3	Feb-16	3,161,509	\$0.1191	\$376,535.68	\$6,171.85	382,707.53	-	1,649,892.92
4	Mar-16	2,122,372	0.1191	252,774.52	\$4,026.26	256,800.78		1,393,092.14
5	Apr-16	1,258,345	0.1191	149,868.88	\$2,973.20	152,842.08	-	1,240,250.06
6	May-16	630,453	0.1191	75,086.96	\$2,720.04	77,807.00	1	1,162,443.06
7	Jun-16	423,406	0.1191	50,427.65	\$2,488.08	52,915.73	Ĩ	1,109,527.33
8	Jul-16	409,890	0.1191	48,817.93	\$3,159.11	51,977.04	ŕ	1,057,550.29
9	Aug-16	334,732	0.1191	39,866.55	\$2,696.18	42,562.73		1,014,987.56
10	Sep-16	415,378	0.1191	49,471.52	\$2,282.64	51,754.16		963,233.40
11	Oct-16	459,799	0.1191	54,762.10	\$2,211.38	56,973.48		906,259.92
12	Nov-16	695,201	0.1191	82,798.47	\$2,277.39	85,075.86		821,184.06
13	Dec-16	2,222,721	0.1191	264,726.02	\$2,270.18	266,996.20		554,187.86
14	Jan-17	3,132,054	0.1191	373,027.66	\$5,627.13	378,654.79		175,533.07
15								
16	Total	15,265,860		\$1,818,163.94	\$38,903.44	\$1,857,067.38		\$175,533.07

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PUBLIC SERVICE COMMISSION

COMMONWEALTH OF KENTUCKY BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION

In the Matter of:

GAS COST ADJUSTMENT)	CASE NO.
FILING OF)	2018-00000
ATMOS ENERGY CORPORATION)	2017-00478

<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) and KRS 61.878(1)(c)1 for confidential treatment of the information which is described below and which is attached hereto. In support of this Petition, Atmos states as follows:

- Atmos is filing its Gas Cost Adjustment ("GCA") for the quarterly period
 commencing on February 1, 2018 through April 30, 2018. 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.
 - 2. 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 in KPSC Case No. 2015-00343. The information contained in the attached WACOG schedule has also been filed with the Commission under a Petition for Confidentiality in Case No. 2015-00424.

3. KRS 61.878 (1)(c) 1. provides that "…records confidentially disclosed to an agency or required by any agency to be disclosed to it, generally recognized as confidential or proprietary, which is openly disclosed would permit an unfair commercial advantage to competitors of the entity that disclosed the records…"shall remain confidential unless otherwise ordered by a court of competent jurisdiction. The natural gas industry is very competitive. Atmos Energy has active competitors, who could use this information to their advantage and to the direct disadvantage of Atmos.

All of the information sought to be protected 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 outweighed 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 365.880: (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.

8. Pursuant to 807 KAR 5:001 (13) confidentiality of the attached information should be maintained indefinitely. The statutes cited above do not allow for disclosure at any

time. Given the competitive nature of the natural gas business and the efforts of non-regulated competitors to encroach upon traditional markets, it is imperative that regulated information remain protected and that the integrity of the information remain secure.

For these reasons, Atmos Energy requests that the items identified in this petition be treated as confidential. Should the Commission determine that some or all of the material is not to be given confidential protection, Atmos Energy requests a hearing prior to any public release of the information to preserve its rights to notice of the grounds for the denial and to preserve its right of appeal of the decision.

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

Respectfully submitted this <u>/</u> day of December, 2017.

2 2

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