

**COMMONWEALTH OF KENTUCKY
BEFORE THE
KENTUCKY PUBLIC SERVICE COMMISSION**

In the Matter of:

GAS COST ADJUSTMENT)
FILING OF)
ATMOS ENERGY CORPORATION)

Case No. 2023-00307

NOTICE

QUARTERLY FILING

For The Period

November 01, 2023 - January 31, 2024

Attorney for Applicant

Mark R. Hutchinson
611 Frederica Street
Owensboro, Kentucky 42301

September 29, 2023

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:

Brannon C. Taylor
Vice President of Rates & Regulatory Affairs
Kentucky/Mid-States Division
Atmos Energy Corporation
810 Crescent Centre Drive, Suite 600
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Sr. Rate Administration Analyst
Atmos Energy Corporation
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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 Forty-Eighth Revised Sheet No. 4, Forty-Seventh Revised Sheet No. 5, and Forty-Eighth Revised Sheet No. 6 to its PSC No. 2, Rates, Rules and Regulations for Furnishing Natural Gas to become effective November 01, 2023.

The Gas Cost Adjustment (GCA) for firm sales service is \$3.8712 per Mcf and \$2.7732 per Mcf for interruptible sales service. The supporting calculations for the Forty-Seventh 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 – Performance Based Rate Recovery Factor (PBRRF) Calculation

Since the Company's last GCA filing, Case No. 2023-00198, the following changes have occurred in its pipeline and gas supply commodity rates for the GCA period.

1. The commodity rates per Mcf used are based on historical estimates and/or current data for the quarter of November 01, 2023 through January 31, 2024 as shown in Exhibit C, page 1 of 2.
2. The G-1 Expected Gas Cost will be approximately \$4.85 per Mcf for the quarter of November 01, 2023 through January 31, 2024 as compared to \$4.0514 per Mcf used

for the period of August 01, 2023 through October 31, 2023. The G-2 Expected Commodity Gas Cost will be approximately \$3.752 for the quarter November 01, 2023 through January 31, 2024 as compared to \$2.9525 for the period of August 01, 2023 through October 31, 2023.

3. The Company's notice sets out a new Correction Factor of (\$1.2142) per Mcf which will remain in effect until at least January 31, 2024.
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 July 31, 2023 (August 2023 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). Also included in the Correction Factor in Exhibit D, Page 1 of 6 is the adjustment reflecting the over/under recovery of the commercial DSM approved in Case 2022-00343 for inclusion in the GCR effective May 1, 2023.

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 Forty-Seventh Revised Sheet No. 5; and Forty-Eighth 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 November 01, 2023.

DATED at Dallas, Texas this 29th day of September, 2023.

ATMOS ENERGY CORPORATION

By: /s/ Christina Vo

Christina Vo
Sr. Rate Admin Analyst
Atmos Energy Corporation

ATMOS ENERGY CORPORATION
NAME OF UTILITY

Current Rate Summary
Case No. 2023-00307

Firm Service

Base Charge:

Residential (G-1)	-	\$19.30	per meter per month	(-)
Non-Residential (G-1)	-	66.00	per meter per month	(-)
Transportation (T-4)	-	520.00	per delivery point per month	(-)
Transportation Administration Fee	-	50.00	per customer per meter	(-)

Rate per Mcf²

First	300	¹ Mcf
Next	14,700	¹ Mcf
Over	15,000	Mcf

Sales (G-1)*

@	5.4195	per Mcf	@
@	4.9474	per Mcf	@
@	4.7600	per Mcf	@

Transportation (T-4)

1.5483	per Mcf	(l, -)
1.0762	per Mcf	(l, -)
0.8888	per Mcf	(l, -)

Interruptible Service

Base Charge

Sales (G-2)	*	520.00	per delivery point per month	(-)
Transportation (T-3)	-	520.00	per delivery point per month	(-)
Transportation Administration Fee	-	50.00	per customer per meter	(-)

Rate per Mcf²

First	15,000	¹ Mcf
Over	15,000	Mcf

Sales (G-2)*

@	3.7289	per Mcf
@	3.5569	per Mcf

Transportation (T-3)

@	0.9557	per Mcf	(l, -)
@	0.7837	per Mcf	(l, -)

¹ 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.

² DSM, PRP and R&D Riders may also apply, where applicable.

DATE OF ISSUE September 29, 2023
MONTH / DATE / YEAR

DATE EFFECTIVE November 1, 2023
MONTH / DATE / YEAR

ISSUED BY /s/ Brannon C. Taylor
SIGNATURE OF OFFICER

TITLE Vice President – Rates & Regulatory Affairs

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO 2023-00307 DATED XXXX

****Sales(G-1 and G-2) rates per MCF in this tariff are subject to change and/or refund on issuance of the Commission's Final Order in Case No. 2022-00418***

FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

FORTY-SEVENTH REVISED SHEET NO. 5

ATMOS ENERGY CORPORATION

NAME OF UTILITY

CANCELLING

FORTY-SIXTH REVISED SHEET NO. 5

Current Gas Cost Adjustments

Case No. 2023-00307

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>	<u>G-2</u>	
EGC (Expected Gas Cost Component)	4.8500	3.7520	(I, I)
CF (Correction Factor)	(1.2142)	(1.2142)	(R, R)
RF (Refund Adjustment)	0.0000	0.0000	(-, -)
PBRRF (Performance Based Rate Recovery Factor)	<u>0.2354</u>	<u>0.2354</u>	(-, -)
GCA (Gas Cost Adjustment)	<u><u>\$3.8712</u></u>	<u><u>\$2.7732</u></u>	(I, I)

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TITLE Vice President – Rates & Regulatory Affairs

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO 2023-00307 DATED XXXX

All rates in this tariff are subject to change and/or refund on issuance of the Commission's Final Order in Case No. 2022-00418

ATMOS ENERGY CORPORATION

NAME OF UTILITY

Current Transportation

Case No. 2023-00307

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

System Lost and Unaccounted gas percentage:

2.14%

				<u>Simple Margin</u>			<u>Non- Commodity</u>			<u>Gross Margin</u>	
<u>Transportation Service</u>¹											
<u>Firm Service (T-4)</u>											
First	300	Mcf	@	\$1.5483	+	<u>0</u>	=	\$1.5483	per Mcf		(-)
Next	14,700	Mcf	@	1.0762	+	<u>0</u>	=	1.0762	per Mcf		(-)
All over	15,000	Mcf	@	0.8888	+	<u>0</u>	=	0.8888	per Mcf		(-)
<u>Interruptible Service (T-3)</u>											
First	15,000	Mcf	@	\$0.9557	+	\$0.0000	=	\$0.9557	per Mcf		(-)
All over	15,000	Mcf	@	0.7837	+	0.0000	=	0.7837	per Mcf		(-)

¹ Excludes standby sales service.

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MONTH / DATE / YEAR

ISSUED BY /s/ Brannon C. Taylor
SIGNATURE OF OFFICER

TITLE Vice President – Rates & Regulatory Affairs

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO 2023-00307 DATED XXXX

Line No.	Description	Case No.		Difference
		(a) 2023-00198 \$/Mcf	(b) 2023-00307 \$/Mcf	
1	<u>G - 1</u>			
2				
3	<u>Distribution Charge (per Case No. 2021-00214)</u>			
4	First 300 Mcf	1.5483	1.5483	0.0000
5	Next 14,700 Mcf	1.0762	1.0762	0.0000
6	Over 15,000 Mcf	0.8888	0.8888	0.0000
7				
8	<u>Gas Cost Adjustment Components</u>			
9	EGC (Expected Gas Cost):			
10	Commodity	2.7654	3.5640	0.7986
11	Demand	1.2860	1.2860	0.0000
12	Total EGC	4.0514	4.8500	0.7986
13	CF (Correction Factor)	(1.1836)	(1.2142)	(0.0306)
14	RF (Refund Adjustment)	0.0000	0.0000	0.0000
15	PBRRF (Performance Based Rate Recovery Factor)	0.2354	0.2354	0.0000
16	GCA (Gas Cost Adjustment)	3.1032	3.8712	0.7680
17				
18	<u>Rate per Mcf (GCA included)</u>			
19	First 300 Mcf	4.6515	5.4195	0.7680
20	Next 14,700 Mcf	4.1794	4.9474	0.7680
21	Over 15,000 Mcf	3.9920	4.7600	0.7680
22				
23				
24	<u>G - 2</u>			
25				
26	<u>Distribution Charge (per Case No. 2021-00214)</u>			
27	First 15,000 Mcf	0.9557	0.9557	0.0000
28	Over 15,000 Mcf	0.7837	0.7837	0.0000
29				
30	<u>Gas Cost Adjustment Components</u>			
31	EGC (Expected Gas Cost):			
32	Commodity	2.7654	3.5640	0.7986
33	Demand	0.1871	0.1880	0.0009
34	Total EGC	2.9525	3.7520	0.7995
35	CF (Correction Factor)	(1.1836)	(1.2142)	(0.0306)
36	RF (Refund Adjustment)	0.0000	0.0000	0.0000
37	PBRRF (Performance Based Rate Recovery Factor)	0.2354	0.2354	0.0000
38	GCA (Gas Cost Adjustment)	2.0043	2.7732	0.7689
39				
40	<u>Rate per Mcf (GCA included)</u>			
41	First 300 Mcf	2.9600	3.7289	0.7689
42	Over 14,700 Mcf	2.7880	3.5569	0.7689

Line No.	Description	(a)	(b)	(c)
		Case No.		Difference
		2023-00198	2023-00307	
		\$/Mcf	\$/Mcf	\$/Mcf
1	<u>T -4 Transportation Service / Firm Service (High Priority)</u>			
2				
3	<u>Simple Margin / Distribution Charge (per Case No. 2015-00343)</u>			
4	First 300 Mcf	1.5483	1.5483	0.0000
5	Next 14,700 Mcf	1.0762	1.0762	0.0000
6	Over 15,000 Mcf	0.8888	0.8888	0.0000
7				
8				
9	<u>T - 3 / Interruptible Service (Low Priority)</u>			
10				
11	<u>Simple Margin / Distribution Charge (per Case No. 2015-00343)</u>			
12	First 15,000 Mcf	0.9557	0.9557	0.0000
13	Over 15,000 Mcf	0.7837	0.7837	0.0000
14				

Line No.	Description	(a) Tariff Sheet No.	(b) Annual Units MMbtu	(c) Rate \$/MMbtu	(d) (e) Non-Commodity	
					Total \$	Demand \$
1	<u>SL to Zone 2</u>					
2	NNS Contract #	29760	12,175,247			
3	Base Rate	Section 4.4 - NNS		0.3088	3,759,716	3,759,716
4						
5	Total SL to Zone 2		<u>12,175,247</u>		<u>3,759,716</u>	<u>3,759,716</u>
6						
7	<u>SL to Zone 3</u>					
8	NNS Contract #	29762	27,757,688			
9	Base Rate	Section 4.4 - NNS		0.3543	9,834,549	9,834,549
10						
11	FT Contract #	29759	6,022,500			
12	Base Rate	Section 4.1 - FT		0.1894	1,140,662	1,140,662
13						
14	FT Contract #	34380	3,650,000			
15	Base Rate	Section 4.1 - FT		0.1894	691,310	691,310
16						
17	Total SL to Zone 3		<u>37,430,188</u>		<u>11,666,521</u>	<u>11,666,521</u>
18						
19	<u>Zone 1 to Zone 3</u>					
20	STF Contract #	35772	323,400			
21	Base Rate	Section 4.2 - STF		0.3282	106,140	106,140
22						
23						
24						
25						
26	Total Zone 1 to Zone 3		<u>323,400</u>		<u>106,140</u>	<u>106,140</u>
27						
28	<u>SL to Zone 4</u>					
29	NNS Contract #	29763	3,320,769			
30	Base Rate	Section 4.4 - NNS		0.4190	1,391,402	1,391,402
31						
32	FT Contract #	31097	1,825,000			
33	Base Rate	Section 4.1 - FT		0.2742	500,415	500,415
34						
38	Total SL to Zone 4		<u>5,145,769</u>		<u>1,891,817</u>	<u>1,891,817</u>
39						
40	<u>Zone 2 to Zone 4</u>					
41	FT Contract #	54299	2,555,000			
42	Base Rate	Section 4.1 - FT		0.1050	268,275	268,275
43						
44	Total Zone 2 to Zone 4		<u>2,555,000</u>		<u>268,275</u>	<u>268,275</u>
45						
46	<u>Zone 3 to Zone 3</u>					
47	FT Contract #	36773	1,825,000			
48	Base Rate	Section 4.1 - FT		0.1181	215,533	215,533
49						
50	Total Zone 3 to Zone 3		<u>1,825,000</u>		<u>215,533</u>	<u>215,533</u>
51						
52	Total SL to Zone 2		12,175,247		3,759,716	3,759,716
53	Total SL to Zone 3		37,430,188		11,666,521	11,666,521
54	Total Zone 1 to Zone 3		323,400		106,140	106,140
55	Total SL to Zone 4		5,145,769		1,891,817	1,891,817
56	Total Zone 2 to Zone 4		2,555,000		268,275	268,275
57	Total Zone 3 to Zone 3		1,825,000		215,533	215,533
58						
59	Total Texas Gas		<u>59,454,604</u>		<u>17,908,002</u>	<u>17,908,002</u>
60						
61						
62	Total Texas Gas Area Non-Commodity				<u>17,908,002</u>	<u>17,908,002</u>

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

Line No.	Description	(a)	(b)	(c)	(d) (e) Non-Commodity	
		Tariff Sheet No.	Annual Units	Rate	Total	Demand
			MMbtu	\$/MMbtu	\$	\$
1 0 to Zone 2						
2	FT-G Contract # 2546		145,000			
3	Base Rate	23		9.0149	1,307,161	1,307,161
4						
5	FT-A Contract # 95033		144,000			
6	Base Rate	14		8.2125	1,182,600	1,182,600
7						
8	Total Zone 0 to 2		<u>289,000</u>		<u>2,489,761</u>	<u>2,489,761</u>
9						
10 1 to Zone 2						
11	FT-A Contract # 300264		30,000			
12	Base Rate	14		4.1063	123,188	123,188
13						
14	Total Zone 1 to 2		<u>30,000</u>		<u>123,188</u>	<u>123,188</u>
15						
16 Gas Storage						
17 Production Area:						
18	Demand	61	34,968	1.7226	60,236	60,236
19	Space Charge	61	4,916,148	0.0175	86,033	86,033
20 Market Area:						
21	Demand	61	237,408	1.2655	300,440	300,440
22	Space Charge	61	<u>10,846,308</u>	<u>0.0173</u>	<u>187,641</u>	<u>187,641</u>
23	Total Storage		16,034,832		634,350	634,350
24						
25	Total Tennessee Gas Area FT-G Non-Commodity		16,353,832		<u>3,247,299</u>	<u>3,247,299</u>

Line No.	Description	(a) Tariff Sheet No.	(b)	(c)	(d)		(e)	(f)
					Purchases Mcf	MMbtu	Rate \$/MMbtu	Total \$
1	<u>No Notice Service</u>				1,954,143			
2	Indexed Gas Cost					3.2560	6,362,689	
3	Commodity (Zone 3)	Section 4.4 - NNS				0.0490	95,753	
4	Fuel and Loss Retention @	Section 4.18.1	1.32%			0.0436	85,201	
5							3.3486	6,543,643
6								
7	<u>Firm Transportation</u>				1,598,844			
8	Indexed Gas Cost					3.2560	5,205,837	
9	Base (Weighted on MDQs)					0.0439	70,189	
10	ACA	Section 4.1 - FT				0.0014	2,238	
11	Fuel and Loss Retention @	Section 4.18.1	1.08%			0.0355	56,759	
12							3.3368	5,335,023
13	<u>No Notice Storage</u>							
14	Net (Injections)/Withdrawals							
15	Withdrawals				2,074,209	3.3420	6,932,006	
16	Injections				0	3.2560	0	
17	Commodity (Zone 3)	Section 4.4 - NNS				0.0490	101,636	
18	Fuel and Loss Retention @	Section 4.18.1	1.32%			0.0436	90,436	
19					2,074,209	3.4346	7,124,078	
20								
21								
22	Total Purchases in Texas Area				5,627,196	3.3769	19,002,744	
23								
24								
25	Used to allocate transportation non-commodity							
26								
27					Annualized		Commodity	
28					MDQs in		Charge	Weighted
29	<u>Texas Gas</u>				MMbtu	Allocation	\$/MMbtu	Average
30	SL to Zone 2	Section 4.1 - FT			12,175,247	20.48%	\$0.0399	\$ 0.0082
31	SL to Zone 3	Section 4.1 - FT			37,430,188	62.96%	0.0445	\$ 0.0280
32	1 to Zone 3	Section 4.1 - FT			323,400	0.54%	0.0422	\$ 0.0002
33	SL to Zone 4	Section 4.1 - FT			5,145,769	8.65%	0.0528	\$ 0.0046
34	2 to Zone 4	Section 4.1 - FT			2,555,000	4.30%	0.0446	\$ 0.0019
35	3 to Zone 3	Section 4.1 - FT			1,825,000	3.07%	0.0312	\$ 0.0010
36	Total				59,454,604	100.0%		\$ 0.0439
37								
38	<u>Tennessee Gas</u>							
39	0 to Zone 2	24			289,000	90.60%	\$0.0177	\$ 0.0160
40	1 to Zone 2	24			30,000	9.40%	0.0147	0.0014
41	Total				319,000	100.00%		\$ 0.0174

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

	(a)	(b)	(c)	(d)	(e)	(f)	
Line No.	Description	Tariff Sheet No.		Purchases	Rate	Total	
				Mcf	MMbtu	\$/MMbtu	\$
1	<u>FT-A and FT-G</u>				459,252		
2	Indexed Gas Cost					3.2560	1,495,325
3	Base Commodity (Weighted on MDQs)					0.0174	7,999
4	ACA	24				0.0014	643
5	Fuel and Loss Retention	32	1.78%			0.0590	27,096
6							
7						3.3338	1,531,063
8	<u>FT-GS</u>				0		
9	Indexed Gas Cost					3.2560	0
10	Base Rate	26				0.7368	0
11	ACA	24				0.0014	0
12	Fuel and Loss Retention	32	1.78%			0.0590	0
13							
14						4.0532	0
15	<u>Gas Storage</u>						
16	FT-A & FT-G Market Area Withdrawals				722,440	3.3430	2,415,117
17	FT-A & FT-G Market Area Injections				0	3.2560	0
18	Withdrawal Rate	61				0.0087	6,285
19	Injection Rate	61				0.0087	0
20	Fuel and Loss Retention	61	1.29%			0.0001	72
21	Total				722,440	3.3518	2,421,474
22							
23							
24							
25	Total Tennessee Gas Zones				1,181,692	3.3448	3,952,537

Atmos Energy Corporation
 Expected Gas Cost (EGC) Calculation
 Trunkline Gas Company

Commodity	(a)	(b)	(c)	(d)	(e)	(f)	
Line No.	Description	Tariff Sheet No.		Purchases	Rate	Total	
				Mcf	MMbtu	\$/MMbtu	\$
1	<u>Firm Transportation</u>						
2	Expected Volumes				245,000		
3	Indexed Gas Cost					3.2560	797,720
4	Base Commodity	13				0.0130	3,185
5	ACA	13				0.0014	343
6	Fuel and Loss Retention	13	0.89%			0.0259	6,346
7						3.2963	807,594
8							
9							

Non-Commodity

Line No.	Description	Tariff Sheet No.	Annual Units	Rate	Total	Demand
			MMbtu	\$/MMbtu	\$	\$
<u>Non-Commodity</u>						
Injections						
10	FT-G Contract # 014573		38,750			
11	Discount Rate on MDQs			5.3754	208,297	208,297
12						
13	Total Trunkline Area Non-Commodity				208,297	208,297

Atmos Energy Corporation
 Expected Gas Cost (EGC) Calculation
 Demand Charge Calculation

Line No.	(a)	(b)	(c)	(d)	(e)
1	<u>Total Demand Cost:</u>				
2	Texas Gas Transmission	\$17,908,002			
3	Midwestern	0			
4	Tennessee Gas Pipeline	3,247,299			
5	Trunkline Gas Company	208,297			
6	Total	\$21,363,598			
7					
8					
9	<u>Demand Cost Allocation:</u>				
	Factors	Allocated Demand	Related Volumes	<u>Monthly Demand Charge</u>	
10	All	\$3,168,222	16,851,020	0.1880	0.1880
11	Firm	18,195,376	16,571,768	1.0980	
12	Total	\$21,363,598		1.2860	0.1880
13					
14					
15					
16					
17	<u>Firm Service</u>				
18	Sales:				
19	G-1	16,571,768	16,571,768	1.2860	
20					
21	<u>Interruptible Service</u>				
22	Sales:				
23	G-2	279,252	279,252	1.2860	0.1880
24					
25	<u>Transportation Service</u>				
26	T-3 & T-4	31,922,587			
27					
28		48,773,607	16,851,020	16,571,768	
29					
30					

Atmos Energy Corporation
Expected Gas Cost (EGC) Calculation
Commodity - Total System

Line No. Description	(a)	(b)	(c)	(d)
	Purchases		Rate	Total
	Mcf	MMbtu	\$/Mcf	\$
1 Texas Gas Area				
2 No Notice Service	1,887,375	1,954,143	3.4671	6,543,643
3 Firm Transportation	1,544,216	1,598,844	3.4548	5,335,023
4 No Notice Storage	2,003,338	2,074,209	3.5561	7,124,078
5 Total Texas Gas Area	<u>5,434,929</u>	<u>5,627,196</u>	3.4964	<u>19,002,744</u>
6				
7 Tennessee Gas Area				
8 FT-A and FT-G	435,447	459,252	3.5161	1,531,063
9 FT-GS	0	0	0.0000	0
10 Gas Storage				
11 Injections	0	0	0.0000	0
12 Withdrawals	684,993	722,440	3.5350	2,421,474
13	<u>1,120,440</u>	<u>1,181,692</u>	3.5277	<u>3,952,537</u>
14 Trunkline Gas Area				
15 Firm Transportation	236,629	245,000	3.4129	807,594
16				
17 Company Owned Storage				
18 Withdrawals	1,334,039	1,381,232	3.4346	4,581,890
19 Injections	0	0	0.0000	0
20 Net WKG Storage	1,334,039	1,381,232	3.4346	4,581,890
21				
22				
23 Local Production	13,465	14,201	3.2560	43,842
24				
25				
26				
27 Total Commodity Purchases	<u>8,139,502</u>	<u>8,449,321</u>	3.4878	<u>28,388,607</u>
28				
29 Lost & Unaccounted for @ 2.14%	174,185	180,815		
30				
31 Total Deliveries	<u>7,965,317</u>	<u>8,268,506</u>	3.5640	<u>28,388,607</u>
32				
33				
34				
35 Total Expected Commodity Cost	<u>7,965,317</u>	<u>8,268,506</u>	3.5640	<u>28,388,607</u>

36
37
38 Note: Column (c) is calculated by dividing column (d) by column (a)
39

Line No.	Description	MCF
	<u>Annualized Volumes Subject to Demand Charges</u>	
1	Sales Volume	16,851,020
2	Transportation	<u>0</u>
3	Total Mcf Billed Demand Charges	16,851,020
4	Divided by: Days/Year	<u>365</u>
5	Average Daily Sales and Transport Volumes	<u><u>46,167</u></u>
6		
7	<u>Peak Day Sales and Transportation Volume</u>	
8	Estimated total company firm requirements for 5 degree average	
9	temperature days from Peak Day Book - with adjustments per rate filing	<u><u>311,262</u></u> Mcf/Peak Day
10		
11		
12	New Load Factor (line 5 / line 9)	0.1483
13		

Atmos Energy Corporation
Basis for Indexed Gas Cost
For the Quarter ending January - 2024

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 November 2023 through January 2024 during the period September 15 through September 28, 2023.

		Nov-23 (\$/MMBTU)	Dec-23 (\$/MMBTU)	Jan-24 (\$/MMBTU)
Friday	09/15/23	2.932	3.345	3.595
Monday	09/18/23	3.001	3.400	3.639
Tuesday	09/19/23	3.026	3.384	3.616
Wednesday	09/20/23	2.921	3.316	3.563
Thursday	09/21/23	2.840	3.267	3.524
Friday	09/22/23	2.879	3.297	3.555
Monday	09/25/23	2.906	3.341	3.612
Tuesday	09/26/23	2.845	3.258	3.519
Wednesday	09/27/23	2.899	3.290	3.551
Thursday	09/28/23	2.945	3.340	3.593
Average		<u>\$2.919</u>	<u>\$3.324</u>	<u>\$3.577</u>

- B. The Company believes prices are increasing and prices for the quarter ending January 31, 2024 will settle at \$3.256 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 January - 2024

	<u>November-23</u>			<u>December-23</u>			<u>January-24</u>			<u>Total</u>		
	<u>Volumes</u>	<u>Rate</u>	<u>Value</u>	<u>Volumes</u>	<u>Rate</u>	<u>Value</u>	<u>Volumes</u>	<u>Rate</u>	<u>Value</u>	<u>Volumes</u>	<u>Rate</u>	<u>Value</u>
Texas Gas												
Trunkline												
Tennessee Gas												
TX Gas Storage												
TN Gas Storage												
WKG Storage												
Midwestern												

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

WACOGs

Line No.	(a) Month	(b) Actual Purchased Volume (Mcf)	(c) Recoverable Gas Cost	(d) Actual GCA Recovered Gas Cost	(e) Under (Over) Recovery Amount	(f) Adjustments	(g) Total
1	May-23	647,866	\$2,596,050.52	\$3,026,815.95	(\$430,765.43)	\$0.00	(\$430,765.43)
2							
3	June-23	417,858	\$1,618,019.24	\$1,689,795.93	(\$71,776.69)	\$0.00	(\$71,776.69)
4							
5	July-23	315,674	<u>\$1,811,476.80</u>	<u>\$1,437,168.66</u>	<u>\$374,308.14</u>	<u>\$0.00</u>	<u>\$374,308.14</u>
6							
7							
8	Under/(Over) Recovery		<u>\$6,025,546.56</u>	<u>\$6,153,780.54</u>	<u>(\$128,233.98)</u>	<u>\$0.00</u>	<u>(\$128,233.98)</u>
9							
10	PBR Savings reflected in Gas Costs		<u>\$1,509,615.14</u>				
11							
12	<u>Correction Factor - Part 1</u>						
13	(Over)/Under Recovered Gas Cost through April 2023 (May 2023 GL)					(21,268,754.69)	
14	Total Gas Cost Under/(Over) Recovery for the three months ended July 2023					(128,233.98)	
15	Recovery from outstanding Correction Factor (CF)					(388,826.75)	
16	Over-Refunded Amount of Pipeline Refunds						
17	Prior Net Uncollectible Gas Cost as of November, 2021						
18	(Over)/Under Recovered Commercial DSM*						
19	(Over)/Under Recovered Gas Cost through July 2023 (August 2023 GL) (a)					<u>(\$21,785,815.42)</u>	
20	Divided By: Total Expected Customer Sales (b)					16,851,020	Mcf
21							
22	Correction Factor - Part 1					(\$1.2928)	/ Mcf
23							
24	<u>Correction Factor - Part 2</u>						
25	Net Uncollectible Gas Cost through November 2022 (c)					1,324,473.15	
26	Divided By: Total Expected Customer Sales (b)					16,851,020	
27							
28	Correction Factor - Part 2					<u>\$0.0786</u>	/ Mcf
29							
30	<u>Correction Factor - Total (CF)</u>						
31	Total Deferred Balance through July 2023 (August 2023 GL) incl. Net Uncol Gas Cost					<u>(\$20,461,342.27)</u>	
32	Divided By: Total Expected Customer Sales (b)					16,851,020	
33							
34	Correction Factor - Total (CF)					<u>(\$1.2142)</u>	/ Mcf

Atmos Energy Corporation
Recoverable Gas Cost Calculation
For the Three Months Ended July 2023
2023-00307

Line No.	Description	GL Unit	June-23	July-23	August-23
			(a)	(b)	(c)
			Month		
			May-23	June-23	July-23
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	1,722,209	1,602,637	1,533,658
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	1,480	0	0
14	Injections	Mcf	(661,133)	(657,622)	(657,795)
15	Producers	Mcf	3,533	4,719	5,949
16	Third Party Reimbursements	Mcf	(108)	(307)	(243)
17	Pipeline Imbalances cashed out	Mcf			
18	System Imbalances ²	Mcf	(418,116)	(531,569)	(565,896)
19	Total Supply	Mcf	647,866	417,858	315,674
20					
21	Change in Unbilled	Mcf			
22	Company Use	Mcf	0	0	0
23	Unaccounted For	Mcf	0	0	0
24	Total Purchases	Mcf	647,866	417,858	315,674

¹ Includes settlement of historical imbalances and prepaid items.

² Includes Texas Gas No-Notice Service volumes and monthly imbalances related to transportation customer activities.

Atmos Energy Corporation
Recoverable Gas Cost Calculation
For the Three Months Ended July 2023
2023-00307

Line No.	Description	GL Unit	June-23	July-23	August-23
			(a)	(b)	(c)
			Month		
			May-23	June-23	July-23
1	Supply Cost				
2	Pipelines:				
3	Texas Gas Transmission ¹	\$	1,311,153	1,261,331	1,302,995
4	Tennessee Gas Pipeline ¹	\$	199,875	189,552	189,638
5	Trunkline Gas Company ¹	\$	7,320	7,085	7,323
6	ANR ¹	\$	0	0	0
7	Twin Eagle Resource Management	\$	0	0	0
8	Total Pipeline Supply	\$	1,518,349	1,457,968	1,499,955
9	Total Other Suppliers	\$	3,434,778	3,295,545	3,799,823
10	Hedging Settlements	\$	0	0	0
11	Off System Storage				
12	Texas Gas Transmission	\$			
13	Tennessee Gas Pipeline	\$			
14	WKG Storage	\$	147,954	147,954	147,954
15	System Storage				
16	Withdrawals	\$	5,434	0	0
17	Injections	\$	(1,364,014)	(1,371,478)	(1,680,164)
18	Producers	\$	6,825	9,514	14,167
19	Third Party Reimbursements	\$	(810)	(1,381)	(1,052)
20	Pipeline Imbalances cashed out	\$	0	0	0
21	System Imbalances ²	\$	(1,152,465)	(1,920,103)	(1,969,207)
22	Sub-Total	\$	2,596,051	1,618,019	1,811,477
23	Pipeline Refund + Interest				
24	Change in Unbilled	\$			
25	Company Use	\$			
26	Recovered thru Transportation	\$			
27	Total Recoverable Gas Cost	\$	2,596,050.52	1,618,019.24	1,811,476.80

¹ Includes demand charges, cost of settlement of historical imbalances and prepaid items.

² Includes Texas Gas No-Notice Service volumes and monthly imbalances related to transportation customer activities.

Atmos Energy Corporation
Recovery from Correction Factors (CF)
For the Three Months Ended July 2023
2023-00307

Line No.	Month	Type of Sales	(a) Mcf Sold	(b) CF Rate	(c) CF Amounts	(d) RF Rate	(e) RF Amounts	(f) PBR Rate	(g) PBRRF Amounts	(h) EGC Rate	(i) EGC Recovery Amounts	(j) Total Recoveries	
1	May-23	G-1 Sales	717,043.20	\$0.2457	\$176,177.52	\$0.0000	\$0.00	\$0.2354	\$168,791.97	\$3.8415	\$2,754,521.47	\$3,099,490.96	
2		G-2 Sales	1,883.65	\$0.2457	462.81	\$0.0000	0.00	\$0.2354	443.41	\$2.7426	5,166.11	\$6,072.33	
6		Sub Total	718,926.858		\$176,640.33		\$0.00		\$169,235.38		\$2,759,687.58	\$3,105,563.29	
7		Timing: Cycle Billing and PPA's	0.000		13,907.45		0.00		7,027.19		267,128.37	\$288,063.01	
8		Total	718,926.858		\$190,547.78		\$0.00		\$176,262.57		\$3,026,815.95	\$3,393,626.30	\$3,217,363.73
11	June-23	G-1 Sales	434,135.86	\$0.2457	\$106,667.18	\$0.0000	\$0.00	\$0.2354	\$102,195.58	\$3.8415	\$1,667,732.92	\$1,876,595.68	
12		G-2 Sales	1,637.75	\$0.2457	402.40	\$0.0000	0.00	\$0.2354	385.53	\$2.7426	4,491.70	\$5,279.63	
16		Sub Total	435,773.617		\$107,069.58		\$0.00		\$102,581.11		\$1,672,224.62	\$1,881,875.31	
17		Timing: Cycle Billing and PPA's	0.000		297.78		0.00		1,095.70		17,571.31	\$18,964.79	
18		Total	435,773.617		\$107,367.36		\$0.00		\$103,676.81		\$1,689,795.93	\$1,900,840.10	\$1,797,163.29
21	July-23	G-1 Sales	366,585.08	\$0.2457	\$90,069.95	\$0.0000	\$0.00	\$0.2354	\$86,294.13	\$3.8415	\$1,408,236.57	\$1,584,600.65	
22		G-2 Sales	1,268.36	\$0.2457	311.64	\$0.0000	0.00	\$0.2354	298.57	\$2.7426	3,478.62	\$4,088.83	
26		Sub Total	367,853.442		\$90,381.59		\$0.00		\$86,592.70		\$1,411,715.19	\$1,588,689.48	
27		Timing: Cycle Billing and PPA's	0.000		530.02		0.00		1,744.34		25,453.47	\$27,727.83	
28		Total	367,853.442		\$90,911.61		\$0.00		\$88,337.04		\$1,437,168.66	\$1,616,417.31	\$1,528,080.27
31	Total Recovery from Correction Factor (CF)				\$388,826.75								
32	Total Amount Refunded through the Refund Factor (RF)						\$0.00						
33	Total Recovery from Performance Based Rate Recovery Factor (PBRRF)							\$368,276.42					
34	Total Recoveries from Expected Gas Cost (EGC) Factor								\$6,153,780.54				
35	Total Recoveries from Gas Cost Adjustment Factor (GCA)										\$6,910,883.71		
36													
37													
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.												\$6,542,607.29

Description	May, 2023		June, 2023		July, 2023	
	MCF	Cost	MCF	Cost	MCF	Cost
1 Texas Gas Pipeline Area						
2 LG&E Natural						
3 Texaco Gas Marketing						
4 CMS						
5 WESCO						
6 Southern Energy Company						
7 Union Pacific Fuels						
8 Atmos Energy Marketing, LLC						
9 Engage						
10 ERI						
11 Prepaid						
12 Reservation						
13 Hedging Costs - All Zones						
14						
15 Total	1,441,576	\$2,882,777	1,351,041	\$2,780,937	1,276,465	\$3,167,765
16						
17						
18 Tennessee Gas Pipeline Area						
19 Chevron Natural Gas, Inc.						
20 Atmos Energy Marketing, LLC						
21 WESCO						
22 Prepaid						
23 Reservation						
24 Fuel Adjustment						
25						
26 Total	247,940	\$486,481	220,724	\$451,776	225,607	\$555,785
27						
28						
29 Trunkline Gas Company						
30 Atmos Energy Marketing, LLC						
31 Engage						
32 Prepaid						
33 Reservation						
34 Fuel Adjustment						
35						
36 Total	31,450	\$61,757	30,435	\$60,885	31,450	\$74,519
37						
38						
39 Midwestern Pipeline						
40 Atmos Energy Marketing, LLC						
41 Midwestern Gas Transmission						
42 Anadarko						
43 Prepaid						
44 Reservation						
45 Fuel Adjustment						
46						
47 Total	1,244	\$3,762	436	\$1,946	137	\$1,754
48						
49						
50 ANR Pipeline						
51 Atmos Energy Marketing, LLC						
52 LG&E Natural						
53 Anadarko						
54 Prepaid						
55 Reservation						
56 Fuel Adjustment						
57						
58 Total	0	\$0	0	\$0	0	\$0
59						
60						
61 All Zones						
62 Total	1,722,209	\$3,434,778	1,602,637	\$3,295,545	1,533,658	\$3,799,823
63						
64						
65						

**** Detail of Volumes and Prices Has Been Filed Under Petition for Confidentiality ****

Atmos Energy Corporation
Net Uncollectible Gas Cost
Twelve Months Ended November, 2022

Exhibit D
Page 6 of 6

Line No.	Month (a)	Gas Cost	Margin Written	Taxes & Other	Total Written	Gas Cost	Margin	Net Uncollectible	Cumulative Net
		Written Off (b)	Off (c)	Written Off (d)	Off (e)	Collected (f)	Collected (g)	Gas Cost (h)	Uncollectible Gas Cost (i)
1	Dec-21	(\$124,027.45)	(\$198,623.98)	(\$16,240.63)	(\$338,892.06)	\$8,859.71	\$9,303.90	\$115,167.74	\$115,167.74
2	Jan-22	(\$96,521.14)	(\$187,328.10)	(\$12,704.00)	(\$296,553.24)	\$7,205.55	\$7,855.70	\$89,315.59	\$204,483.33
3	Feb-22	(\$65,206.26)	(\$156,740.73)	(\$8,981.12)	(\$230,928.11)	\$13,093.24	\$14,103.76	\$52,113.02	\$256,596.35
4	Mar-22	(\$146,693.11)	(\$274,731.60)	(\$19,588.11)	(\$441,012.82)	\$8,833.32	\$6,277.66	\$137,859.79	\$394,456.14
5	Apr-22	(\$99,054.92)	(\$221,336.48)	(\$13,675.17)	(\$334,066.57)	\$5,661.55	\$6,051.81	\$93,393.37	\$487,849.51
6	May-22	(\$33,955.44)	(\$66,449.41)	(\$4,127.12)	(\$104,531.97)	\$4,498.85	\$5,511.62	\$29,456.59	\$517,306.10
7	Jun-22	(\$67,594.32)	(\$110,122.59)	(\$7,600.18)	(\$185,317.09)	\$3,749.56	\$5,034.32	\$63,844.76	\$581,150.86
8	Jul-22	(\$260,818.95)	(\$132,863.57)	(\$28,401.59)	(\$422,084.11)	\$3,852.01	\$5,522.18	\$256,966.94	\$838,117.80
9	Aug-22	(\$120,411.01)	(\$172,463.27)	(\$11,538.30)	(\$304,412.58)	\$3,243.00	\$5,121.86	\$117,168.01	\$955,285.81
10	Sep-22	(\$141,859.57)	(\$165,127.67)	(\$13,941.07)	(\$320,928.31)	\$7,047.24	\$8,279.66	\$134,812.33	\$1,090,098.14
11	Oct-22	(\$87,716.00)	(\$105,008.48)	(\$8,307.82)	(\$201,032.30)	\$17,389.03	\$18,076.00	\$70,326.97	\$1,160,425.11
12	Nov-22	(\$194,743.58)	(\$237,584.65)	(\$19,494.49)	(\$451,822.72)	\$30,695.54	\$21,835.68	\$164,048.04	\$1,324,473.15