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JUN 28 2019

PUBLIC SERVICE
COMMISSION



June 27, 2019

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

Re: Case No. 2019-00000

Dear Ms. Pinson:

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,

A handwritten signature in blue ink that reads "Anthony Croissant".

Anthony Croissant
Sr. Rate Administration Analyst

Enclosures

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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)	2019-00 225
ATMOS ENERGY CORPORATION)	

**PETITION FOR CONFIDENTIALITY OF INFORMATION
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:

1. Atmos is filing its Gas Cost Adjustment ("GCA") for the quarterly period commencing on August 1, 2019 through October 31, 2019. 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

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 27th day of June 2019.



Mark R. Hutchinson
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Owensboro, Kentucky 42301
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Attorneys for Atmos Energy Corporation

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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. 2019-00 225

NOTICE

QUARTERLY FILING

For The Period

August 01, 2019 - October 31, 2019

Attorney for Applicant

Mark R. Hutchinson
611 Frederica Street
Owensboro, Kentucky 42301

June 27, 2019

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 Thirtieth Revised Sheet No. 4, Thirtieth Revised Sheet No. 5, and Thirtieth Revised Sheet No. 6 to its PSC No. 2, Rates, Rules and Regulations for Furnishing Natural Gas to become effective August 01, 2019.

The Gas Cost Adjustment (GCA) for firm sales service is \$4.0038 per Mcf and \$2.7386 per Mcf for interruptible sales service. The supporting calculations for the Thirtieth 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. 2019-00108, 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 August 01, 2019 through October 31, 2019 as shown in Exhibit C, page 1 of 2.
2. The G-1 Expected Gas Cost will be approximately \$4.1944 per Mcf for the quarter of August 01, 2019 through October 31, 2019 as compared to \$4.7292 per Mcf used

for the period of May 01, 2019 through July 31, 2019. The G-2 Expected Commodity Gas Cost will be approximately \$2.9292 for the quarter August 01, 2019 through October 31, 2019 as compared to \$3.464 for the period of May 01, 2019 through July 31, 2019.

3. The Company's notice sets out a new Correction Factor of (\$0.4144) per Mcf which will remain in effect until at least October 31, 2019.
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, 2019 (May 2019 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 Thirtieth Revised Sheet No. 5; and Thirtieth 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 01, 2019.

DATED at Dallas, Texas this 27th day of June, 2019.

ATMOS ENERGY CORPORATION

By: 

Anthony Croissant
Sr. Rate Administration Analyst
Atmos Energy Corporation

ATMOS ENERGY CORPORATION
NAME OF UTILITY

Current Rate Summary

Case No. 2019-00000

Firm Service

Base Charge:

Residential (G-1)	-	\$19.30	per meter per month
Non-Residential (G-1)	-	51.75	per meter per month
Transportation (T-4)	-	435.00	per delivery point per month
Transportation Administration Fee	-	50.00	per customer per meter

Rate per Mcf²

Sales (G-1)

Transportation (T-4)

First	300	¹ Mcf	@	5.3893	per Mcf	@	1.3855	per Mcf	(R, -)
Next	14,700	¹ Mcf	@	4.9616	per Mcf	@	0.9578	per Mcf	(R, -)
Over	15,000	Mcf	@	4.7689	per Mcf	@	0.7651	per Mcf	(R, -)

Interruptible Service

Base Charge	-	\$435.00	per delivery point per month
Transportation Administration Fee	-	50.00	per customer per meter

Rate per Mcf²

Sales (G-2)

Transportation (T-3)

First	15,000	¹ Mcf	@	3.5713	per Mcf	@	0.8327	per Mcf	(R, -)
Over	15,000	Mcf	@	3.3773	per Mcf	@	0.6387	per Mcf	(R, -)

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 June 27, 2019
MONTH / DATE / YEAR

DATE EFFECTIVE August 1, 2019
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 2019-00000 DATED N/A

FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

THIRTIETH REVISED SHEET NO. 5

ATMOS ENERGY CORPORATION

NAME OF UTILITY

CANCELLING

TWENTY-NINTH REVISED SHEET NO. 5

Current Gas Cost Adjustments

Case No. 2019-00000

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

<u>Gas Cost Adjustment Components</u>	<u>G - 1</u>	<u>G-2</u>	
EGC (Expected Gas Cost Component)	4.1944	2.9292	(R, R)
CF (Correction Factor)	(0.4144)	(0.4144)	(R, R)
RF (Refund Adjustment)	0.0000	0.0000	(-, -)
PBRRF (Performance Based Rate Recovery Factor)	<u>0.2238</u>	<u>0.2238</u>	(-, -)
GCA (Gas Cost Adjustment)	<u><u>\$4.0038</u></u>	<u><u>\$2.7386</u></u>	(R, R)

DATE OF ISSUE June 27, 2019
MONTH / DATE / YEAR

DATE EFFECTIVE August 1, 2019
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 2019-00000 DATED N/A

FOR ENTIRE SERVICE AREA

P.S.C. KY NO. 2

THIRTIETH REVISED SHEET NO. 6

CANCELLING

TWENTY-NINTH REVISED SHEET NO. 6

ATMOS ENERGY CORPORATION

NAME OF UTILITY

Current Transportation

Case No. 2019-00000

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

System Lost and Unaccounted gas percentage: 1.77%

				<u>Simple</u>		<u>Non-</u>		<u>Gross</u>	
				<u>Margin</u>		<u>Commodity</u>		<u>Margin</u>	
<u>Transportation Service</u>¹									
<u>Firm Service (T-4)</u>									
First	300	Mcf	@	\$1.3855	+	\$0.0000	=	\$1.3855	per Mcf (-)
Next	14,700	Mcf	@	0.9578	+	0.0000	=	0.9578	per Mcf (-)
All over	15,000	Mcf	@	0.7651	+	0.0000	=	0.7651	per Mcf (-)
<u>Interruptible Service (T-3)</u>									
First	15,000	Mcf	@	\$0.8327	+	\$0.0000	=	\$0.8327	per Mcf (-)
All over	15,000	Mcf	@	0.6387	+	0.0000	=	0.6387	per Mcf (-)

¹ Excludes standby sales service.

DATE OF ISSUE June 27, 2019
MONTH / DATE / YEAR

DATE EFFECTIVE August 1, 2019
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 2019-00000 DATED N/A

Line No.	Description	Case No.		Difference
		(a) 2019-00108 \$/Mcf	(b) 2019-00000 \$/Mcf	
1	<u>G - 1</u>			
2				
3	<u>Distribution Charge (per Case No. 2015-00343)</u>			
4	First 300 Mcf	1.3855	1.3855	0.0000
5	Next 14,700 Mcf	0.9578	0.9578	0.0000
6	Over 15,000 Mcf	0.7651	0.7651	0.0000
7				
8	<u>Gas Cost Adjustment Components</u>			
9	EGC (Expected Gas Cost):			
10	Commodity	3.2453	2.7105	(0.5348)
11	Demand	1.4839	1.4839	0.0000
12	Total EGC	4.7292	4.1944	(0.5348)
13	CF (Correction Factor)	0.5202	(0.4144)	(0.9346)
14	RF (Refund Adjustment)	0.0000	0.0000	0.0000
15	PBRRF (Performance Based Rate Recovery Factor)	0.2238	0.2238	0.0000
16	GCA (Gas Cost Adjustment)	5.4732	4.0038	(1.4694)
17				
18	<u>Rate per Mcf (GCA included)</u>			
19	First 300 Mcf	6.8587	5.3893	(1.4694)
20	Next 14,700 Mcf	6.4310	4.9616	(1.4694)
21	Over 15,000 Mcf	6.2383	4.7689	(1.4694)
22				
23				
24	<u>G - 2</u>			
25				
26	<u>Distribution Charge (per Case No. 2015-00343)</u>			
27	First 15,000 Mcf	0.8327	0.8327	0.0000
28	Over 15,000 Mcf	0.6387	0.6387	0.0000
29				
30	<u>Gas Cost Adjustment Components</u>			
31	EGC (Expected Gas Cost):			
32	Commodity	3.2453	2.7105	(0.5348)
33	Demand	0.2187	0.2187	0.0000
34	Total EGC	3.4640	2.9292	(0.5348)
35	CF (Correction Factor)	0.5202	(0.4144)	(0.9346)
36	RF (Refund Adjustment)	0.0000	0.0000	0.0000
37	PBRRF (Performance Based Rate Recovery Factor)	0.2238	0.2238	0.0000
38	GCA (Gas Cost Adjustment)	4.2080	2.7386	(1.4694)
39				
40	<u>Rate per Mcf (GCA included)</u>			
41	First 300 Mcf	5.0407	3.5713	(1.4694)
42	Over 14,700 Mcf	4.8467	3.3773	(1.4694)

Atmos Energy Corporation
 Comparison of Current and Previous Cases
 Transportation Service

Line No.	Description	(a)	(b)	(c)
		Case No.		Difference
		2019-00108	2019-00000	
		\$/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	1.3855	1.3855	0.0000
5	Next 14,700 Mcf	0.9578	0.9578	0.0000
6	Over 15,000 Mcf	0.7651	0.7651	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	0.8327	0.8327	0.0000
13	Over 15,000 Mcf	0.6387	0.6387	0.0000
14				

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

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	12,340,360			
3	Base Rate	Section 4.4 - NNS		0.3088	3,810,703	3,810,703
4						
5	Total SL to Zone 2		<u>12,340,360</u>		<u>3,810,703</u>	<u>3,810,703</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		0.2939	1,770,013	1,770,013
13						
14	FT Contract #	34380	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		<u>37,430,188</u>		<u>12,677,297</u>	<u>12,677,297</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		0.3670	669,775	669,775
34						
38	Total SL to Zone 4		<u>5,145,769</u>		<u>2,061,177</u>	<u>2,061,177</u>
39						
40	<u>Zone 2 to Zone 4</u>					
41	FT Contract #	34674	2,309,720			
42	Base Rate	Section 4.1 - FT		0.2780	642,102	642,102
43						
44	Total Zone 2 to Zone 4		<u>2,309,720</u>		<u>642,102</u>	<u>642,102</u>
45						
46	<u>Zone 3 to Zone 3</u>					
47	FT Contract #	36773	1,070,000			
48	Base Rate	Section 4.1 - FT		0.1493	159,751	159,751
49						
50	Total Zone 3 to Zone 3		<u>1,070,000</u>		<u>159,751</u>	<u>159,751</u>
51						
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		323,400		106,140	106,140
55	Total SL to Zone 4		5,145,769		2,061,177	2,061,177
56	Total Zone 2 to Zone 4		2,309,720		642,102	642,102
57	Total Zone 3 to Zone 3		1,070,000		159,751	159,751
58						
59	Total Texas Gas		<u>58,619,437</u>		<u>19,457,170</u>	<u>19,457,170</u>
60						
61						
62	Total Texas Gas Area Non-Commodity				<u>19,457,170</u>	<u>19,457,170</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 MMbtu	Rate \$/MMbtu	Total \$	Demand \$
1	<u>0 to Zone 2</u>					
2	FT-G Contract # 2546		145,000			
3	Base Rate	23		15.2547	2,211,932	2,211,932
4						
5	FT-A Contract # 95033		144,000			
6	Base Rate	14		15.2547	2,196,677	2,196,677
7						
8	Total Zone 0 to 2		<u>289,000</u>		<u>4,408,609</u>	<u>4,408,609</u>
9						
10	<u>1 to Zone 2</u>					
11	FT-A Contract # 300264		30,000			
12	Base Rate	14		10.3593	310,779	310,779
13						
14	Total Zone 1 to 2		<u>30,000</u>		<u>310,779</u>	<u>310,779</u>
15						
16	<u>Gas Storage</u>					
17	Production Area:					
18	Demand	61	34,968	1.9915	69,639	69,639
19	Space Charge	61	4,916,148	0.0202	99,306	99,306
20	Market Area:					
21	Demand	61	237,408	1.4630	347,328	347,328
22	Space Charge	61	<u>10,846,308</u>	0.0200	216,926	216,926
23	Total Storage		16,034,832		733,199	733,199
24						
25	Total Tennessee Gas Area FT-G Non-Commodity				<u>5,452,587</u>	<u>5,452,587</u>

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

Line No.	Description	(a) Tariff Sheet No.	(b)	(c) Purchases		(e) Rate	(f) Total
				Mcf	MMbtu	\$/MMbtu	\$
1	<u>No Notice Service</u>				2,514,626		
2	Indexed Gas Cost					2.4420	6,140,718
3	Commodity (Zone 3)	Section 4.4 - NNS				0.0490	123,217
4	Fuel and Loss Retention @	Section 4.18.1	1.76%			0.0437	109,889
5						2.5347	6,373,824
6							
7	<u>Firm Transportation</u>				2,057,422		
8	Indexed Gas Cost					2.4420	5,024,224
9	Base (Weighted on MDQs)					0.0442	90,938
10	ACA	Section 4.1 - FT				0.0013	2,675
11	Fuel and Loss Retention @	Section 4.18.1	1.76%			0.0437	89,909
12						2.5312	5,207,746
13	<u>No Notice Storage</u>						
14	Net (Injections)/Withdrawals						
15	Withdrawals				0	2.4460	0
16	Injections				(1,486,168)	2.4420	(3,629,222)
17	Commodity (Zone 3)	Section 4.4 - NNS				0.0490	(72,822)
18	Fuel and Loss Retention @	Section 4.18.1	1.76%			0.0437	(64,946)
19					(1,486,168)	2.5347	(3,766,990)
20							
21							
22	Total Purchases in Texas Area				3,085,880	2.5324	7,814,580
23							
24							
25	<u>Used to allocate transportation non-commodity</u>						
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		12,340,360	21.44%	\$0.0399	\$ 0.0086
31	SL to Zone 3	Section 4.1 - FT		37,430,188	65.04%	0.0445	\$ 0.0289
32	1 to Zone 3	Section 4.1 - FT		323,400	0.56%	0.0422	\$ 0.0002
33	SL to Zone 4	Section 4.1 - FT		5,145,769	8.94%	0.0528	\$ 0.0047
34	2 to Zone 4	Section 4.1 - FT		2,309,720	4.01%	0.0446	\$ 0.0018
35	Total			57,549,437	100.0%		\$ 0.0442
36							
37	<u>Tennessee Gas</u>						
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

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

Line No.	Description	(a) Tariff Sheet No.	(b)	(c)	(d)		(e)	(f)
					Purchases	Rate	Total	
					Mcf	MMbtu	\$/MMbtu	\$
1	<u>FT-A and FT-G</u>					966,137		
2	Indexed Gas Cost						2.4420	2,359,307
3	Base Commodity (Weighted on MDQs)						0.0159	15,408
4	ACA	24					0.0013	1,256
5	Fuel and Loss Retention	32	2.17%				0.0542	52,365
6							2.5134	2,428,336
7								
8	<u>FT-GS</u>					0		
9	Indexed Gas Cost						2.4420	0
10	Base Rate	26					0.8518	0
11	ACA	24					0.0013	0
12	Fuel and Loss Retention	32	2.17%				0.0542	0
13							3.3493	0
14								
15	<u>Gas Storage</u>							
16	FT-A & FT-G Market Area Withdrawals					0	2.4460	-
17	FT-A & FT-G Market Area Injections					(509,956)	2.4420	(1,245,313)
18	Withdrawal Rate	61					0.0087	0
19	Injection Rate	61					0.0087	(4,437)
20	Fuel and Loss Retention	61	1.75%				0.0002	(102)
21	Total					(509,956)	2.4509	(1,249,852)
22								
23								
24								
25	Total Tennessee Gas Zones					456,181	2.5834	1,178,484

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				92,000		
3	Indexed Gas Cost					2.4420	224,664
4	Base Commodity	13				0.0051	469
5	ACA	13				0.0013	120
6	Fuel and Loss Retention	13	0.39%			0.0071	653
7						2.4555	225,906
8							
9							

Non-Commodity

Line No.	Description	(a) Tariff Sheet No.	(b) Annual Units	(c) Rate	(d) Total	(e) 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 Area Non-Commodity				181,494	181,494

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	\$19,457,170			
3	Midwestern	0			
4	Tennessee Gas Pipeline	5,452,587			
5	Trunkline Gas Company	181,494			
6	Total	<u>\$25,091,251</u>			
7					
8					
9	<u>Demand Cost Allocation:</u>	<u>Factors</u>	<u>Allocated Demand</u>	<u>Related Volumes</u>	<u>Monthly Demand Charge</u>
10	All	0.1490	\$3,738,596	17,095,049	0.2187
11	Firm	0.8510	21,352,655	16,877,502	1.2652
12	Total	<u>1.0000</u>	<u>\$25,091,251</u>		<u>1.4839</u>
13					
14					
15		<u>Annualized</u>	<u>Volumetric Basis for</u>		
16		<u>Mcf @14.65</u>	<u>Monthly Demand Charge</u>	<u>Monthly Demand Charge</u>	
17	<u>Firm Service</u>		<u>All</u>	<u>Firm</u>	
18	Sales:				
19	G-1	16,877,502	16,877,502	16,877,502	1.4839
20					
21	<u>Interruptible Service</u>				
22	Sales:				
23	G-2	217,547	217,547		1.4839
24					0.2187
25	<u>Transportation Service</u>				
26	T-3 & T-4	30,275,212			
27					
28		<u>47,370,260</u>	<u>17,095,049</u>	<u>16,877,502</u>	
29					
30					

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

Exhibit B
 Page 7 of 8

	(a)	(b)	(c)	(d)
Line No. Description	Purchases Mcf	MMbtu	Rate \$/Mcf	Total \$
1 <u>Texas Gas Area</u>				
2 No Notice Service	2,440,553	2,514,626	2.6116	6,373,824
3 Firm Transportation	1,996,816	2,057,422	2.6080	5,207,746
4 No Notice Storage	(1,442,390)	(1,486,168)	2.6116	(3,766,990)
5 Total Texas Gas Area	2,994,979	3,085,880	2.6092	7,814,580
6				
7 <u>Tennessee Gas Area</u>				
8 FT-A and FT-G	909,199	966,137	2.6709	2,428,336
9 FT-GS	0	0	0.0000	0
10 Gas Storage				
11 Injections	(479,902)	(509,956)	2.6042	(1,249,750)
12 Withdrawals	0	0	0.0000	(102)
13	429,297	456,181	2.7451	1,178,484
14 <u>Trunkline Gas Area</u>				
15 Firm Transportation	89,320	92,000	2.5292	225,906
16				
17 <u>Company Owned Storage</u>				
18 Withdrawals	(1,072,015)	(1,104,552)	2.5347	(2,717,237)
19 Injections	0		0.0000	0
20 Net WKG Storage	(1,072,015)	(1,104,552)	2.5347	(2,717,237)
21				
22				
23 Local Production	4,637	4,927	2.4421	11,324
24				
25				
26				
27 Total Commodity Purchases	2,446,218	2,534,436	2.6625	6,513,057
28				
29 Lost & Unaccounted for @ 1.77%	43,299	44,860		
30				
31 Total Deliveries	2,402,919	2,489,576	2.7105	6,513,057
32				
33				
34				
35 Total Expected Commodity Cost	2,402,919	2,489,576	2.7105	6,513,057

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	17,095,049
2	Transportation	<u>0</u>
3	Total Mcf Billed Demand Charges	17,095,049
4	Divided by: Days/Year	<u>365</u>
5	Average Daily Sales and Transport Volumes	<u><u>46,836</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>314,428</u></u> Mcf/Peak Day
10		
11		
12	New Load Factor (line 5 / line 9)	0.1490
13		

Atmos Energy Corporation
Basis for Indexed Gas Cost
For the Quarter ending October - 2019

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 2019 through October 2019 during the period June 10 through June 21, 2019.

		Aug-19 (\$/MMBTU)	Sep-19 (\$/MMBTU)	Oct-19 (\$/MMBTU)
Monday	06/10/19	2.350	2.335	2.382
Tuesday	06/11/19	2.393	2.377	2.420
Wednesday	06/12/19	2.381	2.365	2.406
Thursday	06/13/19	2.322	2.312	2.358
Friday	06/14/19	2.381	2.371	2.413
Monday	06/17/19	2.373	2.359	2.401
Tuesday	06/18/19	2.311	2.296	2.336
Wednesday	06/19/19	2.263	2.245	2.284
Thursday	06/20/19	2.166	2.146	2.186
Friday	06/21/19	2.822	2.895	3.021
Average		<u>\$2.376</u>	<u>\$2.370</u>	<u>\$2.421</u>

- B. The Company believes prices are increasing and prices for the quarter ending October 31, 2019 will settle at \$2.442 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 - 2019

	August-19			September-19			October-19			Total		
	<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	February-19	2,779,691	\$9,670,228.48	\$16,202,173.98	(\$6,531,945.50)	\$0.00	(\$6,531,945.50)
2							
3	March-19	2,676,765	\$8,742,770.91	\$14,626,369.05	(\$5,883,598.14)	\$0.00	(\$5,883,598.14)
4							
5	April-19	983,742	\$4,797,586.28	\$8,179,031.62	(\$3,381,445.34)	\$0.00	(\$3,381,445.34)
6							
7	Total Gas Cost						
8	Under/(Over) Recovery		<u>\$23,210,585.67</u>	<u>\$39,007,574.65</u>	<u>(\$15,796,988.98)</u>	<u>\$0.00</u>	<u>(\$15,796,988.98)</u>
9							
10	PBR Savings reflected in Gas Costs		<u>\$839,108.22</u>				
11							
12	<u>Correction Factor - Part 1</u>						
13	(Over)/Under Recovered Gas Cost through January 2019 (February 2019 GL)					8,229,286.92	
14	Total Gas Cost Under/(Over) Recovery for the three months ended April 2019					(15,796,988.98)	
15	Recovery from outstanding Correction Factor (CF)					(179,143.23)	
16	Over-Refunded Amount of Pipeline Refunds					0.00	
17	Prior Net Uncollectable Gas Cost as of November, 2017						
18	(Over)/Under Recovered Gas Cost through April 2019 (May 2019 GL) (a)					<u>(\$7,746,845.29)</u>	
19	Divided By: Total Expected Customer Sales (b)					17,095,049	Mcf
20							
21	Correction Factor - Part 1					<u>(\$0.4532)</u>	/ Mcf
22							
23	<u>Correction Factor - Part 2</u>						
24	Net Uncollectable Gas Cost through November 2018 (c)					<u>662,947.63</u>	
25	Divided By: Total Expected Customer Sales (b)					17,095,049	
26							
27	Correction Factor - Part 2					<u>\$0.0388</u>	/ Mcf
28							
29	<u>Correction Factor - Total (CF)</u>						
30	Total Deferred Balance through April 2019 (May 2019 GL) incl. Net Uncol Gas Cost					<u>(\$7,083,897.66)</u>	
31	Divided By: Total Expected Customer Sales (b)					17,095,049	
32							
33	Correction Factor - Total (CF)					<u>(\$0.4144)</u>	/ Mcf
34							

Atmos Energy Corporation
Recoverable Gas Cost Calculation
For the Three Months Ended April 2019
2019-00000

Line No.	Description	GL Unit	March-19	April-19	May-19
			(a)	(b)	(c)
			Month		
			February-19	March-19	April-19
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	706,466	449,201	2,261,066
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	959,121	1,452,422	0
14	Injections	Mcf	(7,230)	(4,287)	(673,437)
15	Producers	Mcf	1,353	1,574	2,000
16	Third Party Reimbursements	Mcf	(34)	(116)	(51)
17	Pipeline Imbalances cashed out	Mcf			
18	System Imbalances ²	Mcf	1,120,015	777,971	(605,836)
19	Total Supply	Mcf	2,779,691	2,676,765	983,742
20					
21	Change in Unbilled	Mcf			
22	Company Use	Mcf	0	0	0
23	Unaccounted For	Mcf	0	0	0
24	Total Purchases	Mcf	2,779,691	2,676,765	983,742

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 April 2019
2019-00000

Line No.	Description	GL Unit	March-19	April-19	May-19
			(a)	(b) Month	(c)
			February-19	March-19	April-19
1	Supply Cost				
2	Pipelines:				
3	Texas Gas Transmission ¹	\$	1,615,858	1,787,877	1,538,347
4	Tennessee Gas Pipeline ¹	\$	527,520	495,154	378,866
5	Trunkline Gas Company ¹	\$	29,785	32,994	6,615
6	Twin Eagle Resource Management	\$	0	0	0
7	Midwestern Pipeline ¹	\$	0	0	0
8	Total Pipeline Supply	\$	2,173,163	2,316,024	1,923,828
9	Total Other Suppliers	\$	1,958,888	1,338,437	5,810,730
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	\$	2,632,632	3,978,340	0
17	Injections	\$	(21,960)	(12,687)	(1,729,260)
18	Producers	\$	3,769	4,518	5,158
19	Third Party Reimbursements	\$	(196)	(581)	(259)
20	Pipeline Imbalances cashed out	\$			
21	System Imbalances ²	\$	2,775,980	970,766	(1,360,564)
22	Sub-Total	\$	9,670,228	8,742,771	4,797,586
23	Pipeline Refund + Interest				
24	Change in Unbilled	\$			
25	Company Use	\$			
26	Recovered thru Transportation	\$			
27	Total Recoverable Gas Cost	\$	<u>9,670,228.48</u>	<u>8,742,770.91</u>	<u>4,797,586.28</u>

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 April 2019
2019-00000

Exhibit D
Page 4 of 6

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	February-19	G-1 Sales	3,156,210.472	\$0.0306	\$96,580.04	\$0.0000	\$0.00	\$0.2238	\$706,359.90	\$4.9057	\$15,483,421.71	\$16,286,361.65	
2		G-2 Sales	<u>10,205.579</u>	\$0.0306	<u>312.29</u>	\$0.0000	<u>0.00</u>	\$0.2238	<u>2,284.01</u>	\$3.6405	<u>37,153.41</u>	<u>\$39,749.71</u>	
6		Sub Total	3,166,416.051		\$96,892.33		\$0.00		\$708,643.91		\$15,520,575.12	\$16,326,111.36	
7		Timing: Cycle Billing and PPA's	<u>0.000</u>		<u>(12,593.90)</u>		<u>0.00</u>		<u>31,004.28</u>		<u>681,598.86</u>	<u>\$700,009.24</u>	
8		Total	3,166,416.051		\$84,298.43		\$0.00		\$739,648.19		\$16,202,173.98	\$17,026,120.60	\$16,286,472.41
11	March-19	G-1 Sales	2,870,514.105	\$0.0306	\$87,837.73	\$0.0000	\$0.00	\$0.2238	\$642,421.06	\$4.9057	\$14,081,881.04	\$14,812,139.83	
12		G-2 Sales	<u>4,685.337</u>	\$0.0306	<u>143.37</u>	\$0.0000	<u>0.00</u>	\$0.2238	<u>1,048.58</u>	\$3.6405	<u>17,056.97</u>	<u>\$18,248.92</u>	
16		Sub Total	2,875,199.442		\$87,981.10		\$0.00		\$643,469.64		\$14,098,938.01	\$14,830,388.75	
17		Timing: Cycle Billing and PPA's	<u>0.000</u>		<u>(28,407.40)</u>		<u>0.00</u>		<u>28,160.95</u>		<u>527,431.04</u>	<u>\$527,184.59</u>	
18		Total	2,875,199.442		\$59,573.70		\$0.00		\$671,630.59		\$14,626,369.05	\$15,357,573.34	\$14,685,942.75
21	April-19	G-1 Sales	1,552,437.909	\$0.0306	\$47,504.60	\$0.0000	\$0.00	\$0.2238	\$347,435.60	\$4.9057	\$7,615,794.65	\$8,010,734.85	
22		G-2 Sales	<u>9,127.148</u>	\$0.0306	<u>279.29</u>	\$0.0000	<u>0.00</u>	\$0.2238	<u>2,042.66</u>	\$3.6405	<u>33,227.38</u>	<u>\$35,549.33</u>	
26		Sub Total	1,561,565.057		\$47,783.89		\$0.00		\$349,478.26		\$7,649,022.03	\$8,046,284.18	
27		Timing: Cycle Billing and PPA's	<u>0.000</u>		<u>(12,512.79)</u>		<u>0.00</u>		<u>30,446.52</u>		<u>530,009.59</u>	<u>\$547,943.32</u>	
28		Total	1,561,565.057		\$35,271.10		\$0.00		\$379,924.78		\$8,179,031.62	\$8,594,227.50	\$8,214,302.72
31	Total Recovery from Correction Factor (CF)				<u>\$179,143.23</u>								
32	Total Amount Refunded through the Refund Factor (RF)						<u>\$0.00</u>						
33	Total Recovery from Performance Based Rate Recovery Factor (PBRRF)								<u>\$1,791,203.56</u>				
34	Total Recoveries from Expected Gas Cost (EGC) Factor										<u>\$39,007,574.65</u>		
35	Total Recoveries from Gas Cost Adjustment Factor (GCA)											<u>\$40,977,921.44</u>	
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.												<u>\$39,186,717.88</u>

GL Description	(a) March-19		(c) April-19		(e) May-19	
	(b) February-19		(d) March-19		(f) April-19	
	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	554,458	1,511,212	382,390	1,136,740.02	1,952,064	4,939,159.48
9 Engage						
10 ERI						
11 Prepaid						
12 Reservation						
13 Hedging Costs - All Zones						
14						
15 Total	554,458	\$1,511,212.36	382,390	\$1,136,740.02	1,952,064	\$4,939,159.48
16						
17						
18 Tennessee Gas Pipeline Area						
19 Chevron Natural Gas, Inc.						
20 Atmos Energy Marketing, LLC	152,189	448,285	66,574	201,110	309,204	872,227.21
21 WESCO						
22 Prepaid						
23 Reservation						
24 Fuel Adjustment						
25						
26 Total	152,189	\$448,285.25	66,574	\$201,110.29	309,204	\$872,227.21
27						
28						
29 Trunkline Gas Company						
30 Atmos Energy Marketing, LLC	(44)	(111)	(35)	(90.07)	(2)	(4.74)
31 Engage						
32 Prepaid						
33 Reservation						
34 Fuel Adjustment						
35						
36 Total	(44)	(\$110.59)	(35)	(\$90.07)	(2)	(\$4.74)
37						
38						
39 Midwestern Pipeline						
40 Atmos Energy Marketing, LLC						
41 Midwestern Gas Transmission	(137)	(388)	272	816.90	(200)	(540.84)
42 Anadarko						
43 Prepaid						
44 Reservation						
45 Fuel Adjustment						
46						
47 Total	(137)	(\$387.96)	272	\$816.90	(200)	(\$540.84)
48						
49						
50 ANR Pipeline						
51 Atmos Energy Marketing, LLC	0	(111)	0	(140.52)	0	(111.41)
52 LG&E Natural						
53 Anadarko						
54 Prepaid						
55 Reservation						
56 Fuel Adjustment						
57						
58 Total	0	(\$111.40)	0	(\$140.52)	0	(\$111.41)
59						
60						
61 All Zones						
62 Total	706,466	\$1,958,887.66	449,201	\$1,338,436.62	2,261,066	\$5,810,729.70
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, 2018

Exhibit D
Page 6 of 6

Line No.	Month	Gas Cost Written Off	Margin Written Off	Taxes & Other Written Off	Total Written Off	Gas Cost Collected	Margin Collected	Net Uncollectible Gas Cost	Cumulative Net Uncollectible Gas Cost
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Dec-17	(\$64,503.06)	(\$134,412.80)	(\$6,727.81)	(\$205,643.67)	\$20,208.37	\$49,988.32	\$44,294.69	\$44,294.69
2	Jan-18	(\$12,606.47)	(\$45,893.68)	(\$2,458.34)	(\$60,958.49)	\$13,253.62	\$16,484.00	(\$647.15)	\$43,647.54
3	Feb-18	(\$27,020.56)	(\$115,508.78)	(\$3,891.32)	(\$146,420.66)	\$8,790.27	\$29,117.89	\$18,230.29	\$61,877.83
4	Mar-18	(\$3,624.19)	(\$43,715.38)	(\$1,368.78)	(\$48,708.35)	\$10,692.19	\$14,425.86	(\$7,068.00)	\$54,809.83
5	Apr-18	(\$22,726.45)	(\$75,593.33)	(\$3,818.44)	(\$102,138.22)	\$4,537.99	\$7,763.14	\$18,188.46	\$72,998.29
6	May-18	(\$28,298.73)	(\$60,014.35)	(\$3,105.88)	(\$91,418.96)	\$4,666.97	\$8,429.82	\$23,631.76	\$96,630.05
7	Jun-18	(\$36,465.23)	(\$46,406.98)	(\$2,836.59)	(\$85,708.80)	\$3,761.26	\$6,223.11	\$32,703.97	\$129,334.02
8	Jul-18	(\$74,077.63)	(\$74,207.98)	(\$6,453.29)	(\$154,738.90)	\$4,892.55	\$8,284.68	\$69,185.08	\$198,519.10
9	Aug-18	(\$105,026.16)	(\$115,968.02)	(\$8,340.59)	(\$229,334.77)	\$5,348.42	\$5,888.03	\$99,677.74	\$298,196.84
10	Sep-18	(\$131,229.06)	(\$143,720.03)	(\$9,996.26)	(\$284,945.35)	\$7,127.83	\$9,672.83	\$124,101.23	\$422,298.07
11	Oct-18	(\$198,847.02)	(\$216,930.61)	(\$14,086.79)	(\$429,864.42)	\$29,094.55	\$28,001.60	\$169,752.47	\$592,050.54
12	Nov-18	(\$117,596.02)	(\$156,629.03)	(\$9,551.56)	(\$283,776.61)	\$46,698.93	\$40,917.07	\$70,897.09	\$662,947.63