



August 29, 2011

Honorable Jeff Derouen  
Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, Kentucky 40602

Subject: Case No. 2011-00205

Dear Mr. Derouen:

Atmos Energy Corporation (Company) herewith submits an original and six copies of the Company's responses to the Initial Data Requests of the Commission Staff in the above referenced case.

Please feel free to contact me at 270.685.8024 if you have any questions and/or need any additional information.

Sincerely,

A handwritten signature in cursive script that reads "Mark A. Martin".

Mark A. Martin  
Vice President, Rates & Regulatory Affairs

Enclosure

RECEIVED

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PUBLIC SERVICE  
COMMISSION



**Atmos Energy Corporation**  
**KSPC Initial Data Request Dated August 17, 2011**  
**Case No. 2011-00205**  
**Question No. 1**  
**Witness: Mark A. Martin**

**REQUEST:**

Refer to paragraph 4 of the Application. Explain in detail how and when Atmos intends to incorporate necessary changes to the existing Weather Normalization Adjustment (“WNA”) mechanism, and how it will determine what changes are necessary.

**RESPONSE:**

The Company anticipates incorporating NOAA’s 1981-2010 weather data in the context of its next rate case. Per the Order in Case No. 2010-00243, it appeared to the Company that the Commission may prefer an alternative to the Company’s existing methodology. As such, please refer to the last two sentences of paragraph 8 of the Application. Those two sentences were intended to show the Company’s willingness to work with Staff if an alternative methodology is indeed preferred. Please note, however, that the Company believes that it is extremely important to use the same normal heating degree-day (NHDD) basis that is utilized for its WNA mechanism as is used for the determination of its commodity tariff rates. Even though NOAA’s 1981-2010 weather data are available, the Company’s current rate design was developed using NOAA’s 1971-2000 weather data.

To demonstrate the impact of changing the basis of normal HDDs outside of a rate case, the Company has prepared illustrative schedules. The table below compares the NCDC Core Normal HDDs to the NOAA Normals for 1971-2000 used in Case 2009-00354:

	NOAA 1971-2000	NCDC 1981-2010
Jan	981	944
Feb	755	735
Mar	539	538
Apr	264	260
May	81	79
Jun	7	0
Jul	0	0
Aug	0	0
Sep	43	37
Oct	238	229
Nov	531	517
Dec	841	853
Total	4,280	4,192

With rates and the WNA normal basis resulting from Case 2009-0354, a customer in a November 1-30 billing cycle, assuming 525 actual HDDs, would have a modest WNA

**Atmos Energy Corporation**  
**KSPC Initial Data Request Dated August 17, 2011**  
**Case No. 2011-00205**  
**Question No. 1**  
**Witness: Mark A. Martin**

surcharge to normalize the billing to 531 HDDs. If a new, warmer normal HDD were imposed in isolation, this same customer would receive a WNA credit to "normalize" to 517 HDDs. Clearly, Atmos Energy would lower its annual gross margin recovery if the new normal was simply imposed without other adjustments.

To further illustrate this point, refer to Attachment 1 to this data request response.

In columns (a) through (d), the final proof of revenue in Case 2009-00354 is provided. Volumes for residential, commercial and public authority customers were adjusted to reflect normal HDDs of 4,280. Based upon these normalized volumes, rates were established to achieve the total gross margin requirement of \$59,722,735 (column d, line 27).

If volumes are now normalized to reflect 4,192 normal HDDs, volume forecasts for residential, commercial and public authority customers would be lower, as shown in column (e) of Attachment 1. The 241,106 Mcf reduction in normal volumes, applying current tariff rates, would result in a predestined under-recovery of revenue requirements of \$262,059 related to this change. If imposed, the appropriate offset to this reduction would be to increase G-1 volumetric rates in conjunction with the adoption of the new, warmer normal basis.





**Atmos Energy Corporation**  
**KSPC Initial Data Request Dated August 17, 2011**  
**Case No. 2011-00205**  
**Question No. 2**  
**Witness: Mark A. Martin**

**REQUEST:**

Explain whether Atmos has reviewed the National Climatic Data Center's ("NCDC") July 1, 2011 release of 1981-2010 Core Normal information, and whether this information would be sufficient to update Atmos's calculations of normal weather and associated sales for purposes of its WNA adjustment.

**RESPONSE:**

The Company has reviewed the NCDC's 1981-2010 Core Normal information. The information is sufficient to update Atmos' calculations of normal weather; however, the base rates would need to be adjusted to maintain the basis filed in the last rate case. Please refer to the Company's response to Question No. 1 of this Staff Data Request.





**Atmos Energy Corporation**  
**KSPC Initial Data Request Dated August 17, 2011**  
**Case No. 2011-00205**  
**Question No. 3**  
**Witness: Mark A. Martin**

**REQUEST:**

Explain what Atmos considers will be the impact on its WNA adjustment if it is required to update for the most current NCDC 30-year normal information.

**RESPONSE:**

The Company has looked at both the monthly and daily data for the most current NCDC 30-year normal information. The 1981 – 2010 weather norms indicate that the weather was 1.6% warmer during the winter heating season (November – April) than it was during the 1971 – 2000 period. Without adjusting the base rates the Company would be short \$262,000 each year (see response to Question 1). The other option would be not changing the WNA normal basis.



**Atmos Energy Corporation**  
**KSPC Initial Data Request Dated August 17, 2011**  
**Case No. 2011-00205**  
**Question No. 4**  
**Witness: Mark A. Martin**

**REQUEST:**

Provide a sample calculation of a WNA adjustment and winter bill for a typical residential customer using the methodology as set out in Atmos's tariff.

**RESPONSE:**

The following summarizes the charges for a typical residential customer's winter bill.

<b>WNA Adjustment</b>	
Base Load	11.051
HSF	0.12906
WNA Consumption (Ccf)	66
Actual HDD	612
Normal HDD	764
R =Weighted Avg Rate	1.10
WNA Factor (Mcf)	0.2397
<b>Bill Breakdown</b>	
Customer Charge	\$ 12.50
Distribution Charge @ \$.11/Ccf	\$ 7.26
WNA Adj @.02397	\$ 1.58
GRI R&D Charge	\$ 0.02
DSM Charge	\$ 0.36
	\$ 9.22
Gas Cost @.47808/Ccf	\$ 31.55
School Fee	\$ 1.63
Franchise fee	\$ 1.07
<b>Total Amount</b>	<b>\$ 55.98</b>

Further detail is provided in the attachment. An explanation for each page is provided below.

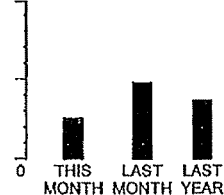
- Page 1: Shows a sample winter bill for a typical residential customer.
- Page 2: Shows the printed view of the sample calculation provided with DR 1-4.
- Page 3: Shows the WNA factors that were used for the WNA calculation in Atmos' BANNER billing system and for the calculation provided in DR 1-4.
- Page 4: Shows the BANNER view of current charges 1-4 that make up a typical residential customer's winter bill.
- Page 5: Shows the BANNER view of current charges 5-8 that make up a typical residential customer's winter bill.
- Page 6: Shows the BANNER view of current charges 9-12 that make up a typical residential customer's winter bill.
- Page 7: Shows the BANNER view of current charges 12-15 that make up a typical residential customer's winter bill.  
 (Note: The Gas Cost Charge of \$31.55 appears on Page 7 and 8 due to viewing limitations. These are not two separate charges).
- Page 8: Shows the WNA Rider methodology as set out in Atmos' tariff.



Emergency Telephone 1-866-322-8667  
 Customer Service 1-888-286-6700  
 atmosenergy.com

**Customer Number:** 000313718  
**Customer Name:** JOE B. JACKSON  
**SRVC Address:** 2218 W 8TH ST  
 OWENSBORO KY  
**Account Number:** 40-000313718-0262681-8  
**Meter Serial #** 0301803  
**Billing Date:** 03/16/11  
**Past Due After** 04/04/11

250 USAGE COMPARISON



DATE OF SERVICE		METER READING	
FROM	TO	PREVIOUS	PRESENT
02/11/11	03/16/11	3936	4002

RATE CODE: 42WR  
 USAGE IN CCF: 66

**BILLING INFORMATION:**

PREVIOUS BALANCE	88.04
PAYMENT RECEIVED	88.04
<b>CURRENT GAS CHARGE TOTAL</b>	<b>55.97</b>
CUSTOMER CHARGE	12.50
DISTRIBUTION CHARGE	
66 @ .13986/CCF	9.22
GAS COST CHARGE @ .47808/CCF	31.55
SCHOOL FEE @ .03000	1.63
FRANCHISE FEE @ .02000	1.07
<b>CURRENT CHARGES</b>	<b>55.97</b>
<b>TOTAL AMOUNT DUE</b>	<b>55.97</b>

**IMPORTANT MESSAGES:**

**IMMEDIATE ASSISTANCE AVAILABLE**

Additional funds are available to help people in need pay their utility bills. To learn if you qualify, call toll-free 211 for utility bill assistance or visit [www.atmosenergy.com](http://www.atmosenergy.com) to find a local energy assistance agency near you.

If you have received a termination notice or a delinquent door tag, you may qualify for weather-related energy crisis assistance. **CONTACT YOUR LOCAL ENERGY ASSISTANCE AGENCY IMMEDIATELY!**

**BE CAREFUL WITH SPACE HEATERS**

Gas space heaters and venting should be installed only by a licensed professional and must be inspected to meet building codes. Never use an unvented space heater as the primary heating source for your home or business. Do not use unvented heaters in bedrooms or bathrooms unless approved for that use. Also, never store or use flammable liquids in the same room as a space heater.



Account Number: 40-000313718-0262681-8



JOE B. JACKSON  
 2218 W 8TH ST  
 OWENSBORO, KY 42301

PRIOR AMOUNT DUE	TOTAL AMOUNT DUE	PAST DUE AFTER
\$0.00	55.97	04/04/11

Bill is due and payable upon receipt. If current bill is not paid by the due date, a penalty (if applicable) will appear on your next bill. Prior Amounts already past due may result in disconnection

09

WH9K I

Thank you,  
 ATMOS ENERGY  
 PO Box 790311  
 St. Louis, MO 63179-0311

000000000000000040000313718026268180000055978

**WNA Adjustment**

Base Load	11.051
HSF	0.12906
WNA Consumption (Ccf)	66
Actual HDD	612
Normal HDD	764
R =Weighted Avg Rate	1.10
WNA Factor (Mcf)	0.2397

**Bill Breakdown**

Customer Charge	\$ 12.50
Distribution Charge @ \$.11/Ccf	\$ 7.26
WNA Adj @.02397	\$ 1.58
GRI R&D Charge	\$ 0.02
DSM Charge	\$ 0.36
	<u>\$ 9.22</u>
Gas Cost @.47808/Ccf	\$ 31.55
School Fee	\$ 1.63
Franchise fee	\$ 1.07
Total Amount	\$ 55.98

WNA Details

WNA Factor	024	Actual HDD	612
Base Load	11051	Actual CDD	0
HSF	12906	Normal HDD	764
Corrected WNA Factor		Normal CDD	0
WNA Consumption	66	Corrected HDD	
WNA Consumption/ Dollar Based		Corrected CDD	
Days Of Service	33	<input type="button" value="Close"/>	
Read Date	16-MAR-2011		

Cust Code: 313718    Prem Code: 262681    Address: 2218 WESTHIST OWENSBORO KY 42301    Status: A-N-RESIDENTIAL  
 Timer: On/Off    Off Reason:

Summary	Bill Information	Collection	Service	Deposit	Contact History																																			
Bill Date: 16-AUG-2011 15-JUL-2011 15-JUN-2011 16-MAY-2011 14-APR-2011 <b>16-MAR-2011</b> 14-FEB-2011 14-JAN-2011 14-DEC-2010	Due Date: 04-APR-2011 Disc Date: Disc Amt:				Prev Bill Amt: 88.04 Payments: 88.04 Adjustments: 0.00 Ending Balance: 55.97																																			
<table border="1"> <thead> <tr> <th>Charge Date</th> <th>Service</th> <th>Rate</th> <th>RTP</th> <th>Bill Print Description</th> <th>Due Date</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>10-MAR-2011</td> <td>RES</td> <td>W11W</td> <td></td> <td>SCHOOL FEE</td> <td>04-APR-2011</td> <td>0.06</td> </tr> <tr> <td>16-MAR-2011</td> <td>RES</td> <td>W36F</td> <td></td> <td>FRANCHISE FEE</td> <td>04-APR-2011</td> <td>0.03</td> </tr> <tr> <td>16-MAR-2011</td> <td>RES</td> <td>WNAR</td> <td></td> <td>WNA ADJUSTMENT</td> <td>04-APR-2011</td> <td>1.58</td> </tr> <tr> <td>16-MAR-2011</td> <td>RES</td> <td>W11W</td> <td></td> <td>SCHOOL FEE</td> <td>04-APR-2011</td> <td>0.00</td> </tr> </tbody> </table>						Charge Date	Service	Rate	RTP	Bill Print Description	Due Date	Amount	10-MAR-2011	RES	W11W		SCHOOL FEE	04-APR-2011	0.06	16-MAR-2011	RES	W36F		FRANCHISE FEE	04-APR-2011	0.03	16-MAR-2011	RES	WNAR		WNA ADJUSTMENT	04-APR-2011	1.58	16-MAR-2011	RES	W11W		SCHOOL FEE	04-APR-2011	0.00
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16-MAR-2011	RES	W36F		FRANCHISE FEE	04-APR-2011	0.03																																		
16-MAR-2011	RES	WNAR		WNA ADJUSTMENT	04-APR-2011	1.58																																		
16-MAR-2011	RES	W11W		SCHOOL FEE	04-APR-2011	0.00																																		



JACKSON, JOE - CSR (UCACSR106-12)(PBAN10) - 40



Cust Code	Prem Code	Address	Status	Soft Close	Services
313718	262681	2218 W 8TH ST OWENSBORO KY 42301	A-N-RESIDENTIAL		

Timer: On Off

Off Reason:

Summary | Bill Information | Collection | Service | Deposit | Contact History

Bill Date	Canceled	Due Date:	04-APR-2011	Disc Date:		Prev Bill Amt:	88.04	
16-AUG-2011	<input type="checkbox"/>	Disc Amt:		Payments:		88.04		
15-JUL-2011	<input type="checkbox"/>	Current Charges		Adjustments:		0.00		
15-JUN-2011	<input type="checkbox"/>	Charge Date	Service	Rate	RTP	Bill Print Description	Due Date	Amount
16-MAY-2011	<input type="checkbox"/>	16-MAR-2011	RES	W36F		FRANCHISE FEE	04-APR-2011	0.00
14-APR-2011	<input type="checkbox"/>	16-MAR-2011	RES	DCGR		GRI R&D CHARGE	04-APR-2011	0.02
16-MAR-2011	<input type="checkbox"/>	16-MAR-2011	RES	W11W		SCHOOL FEE	04-APR-2011	0.01
14-FEB-2011	<input type="checkbox"/>	16-MAR-2011	RES	W36F		FRANCHISE FEE	04-APR-2011	0.01
14-JAN-2011	<input type="checkbox"/>							
14-DEC-2010	<input type="checkbox"/>							

Ending Balance: 55.97

Ledger Bill... Bill Comp...



Cust Code: 313718    Prem Code: 262681    Address: 2218 W 8TH ST    OWENSBORO KY    42301    Status: A-N-RESIDENTIAL

Timer: On/Off    Off Reason:

Summary    Bill Information    Collection    Service    Deposit    Contact History

Bill Date	Canceled
16-AUG-2011	<input type="checkbox"/>
15-JUL-2011	<input type="checkbox"/>
15-JUN-2011	<input type="checkbox"/>
16-MAY-2011	<input type="checkbox"/>
14-APR-2011	<input type="checkbox"/>
16-MAR-2011	<input checked="" type="checkbox"/>
14-FEB-2011	<input type="checkbox"/>
14-JAN-2011	<input type="checkbox"/>
14-DEC-2010	<input type="checkbox"/>

Due Date: 04-APR-2011    Disc Date:    Prey Bill Amt: 88.04

Disc Amt:    Payments: 88.04

Adjustments: 0.00

Current Charges

Charge Date	Service	Rate	RTP	Bill Print	Description	Due Date	Amount
16-MAR-2011	RES	DCDS			DSM CHARGE	04-APR-2011	0.36
16-MAR-2011	RES	W11W			SCHOOL FEE	04-APR-2011	0.97
16-MAR-2011	RES	W36F			FRANCHISE FEE	04-APR-2011	0.63
16-MAR-2011	RES	9G10			GAS COST CHARGE	04-APR-2011	31.55

Ending Balance: 55.97

Ledger Bill...    Bill Comp...

**BANNER - Microsoft Internet Explorer**

File Edit View Favorites Tools Help

← Back → → Search Favorites

Address <http://banner.atmosenergy.com:7779/forms/frmservlet?config=banner>

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File Edit CSR Accounts Inventory Financial Ancillary System Rules Utility Help All Window

JACKSONJOE:CSR (UCACSR100,1,12)(PBAN40)-40

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Cust Code: 313718 Prem Code: 262881 Address: 2218 W 8TH ST OWENSEBORO KY 42301 Status: A-N-RESIDENTIAL Soft Close Services

Timer: On Off Off Reason:

Summary Bill Information Collection Service Deposit Contact History

Bill Date Canceled

16-AUG-2011	
15-JUL-2011	
15-JUN-2011	
16-MAY-2011	
14-APR-2011	
16-MAR-2011	
14-FEB-2011	
14-JAN-2011	
14-DEC-2010	

Due Date: 04-APR-2011 Disc Date: Disc Amt: Prev Bill Amt: 88.04 Payments: 88.04 Adjustments: 0.00

**Current Charges**

Charge Date	Service	Rate	RTP	Bill Print Description	Due Date	Amount
16-MAR-2011	RES	9610		GAS COST CHARGE	04-APR-2011	31.55
16-MAR-2011	RES	W11W		SCHOOL FEE	04-APR-2011	0.60
16-MAR-2011	RES	W36F		FRANCHISE FEE	04-APR-2011	0.40
16-MAR-2011	RES	42WR		RESIDENTIAL	04-APR-2011	19.76

Ending Balance: 55.97

Ledger Bill... Bill Comp...

Record: 12/15 <OSC>

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**ATMOS ENERGY CORPORATION**

<b>Weather Normalization Adjustment Rider</b>	
<b>WNA</b>	
<b>1. <u>Applicable</u></b>	<p>Applicable to Rate G-1 Sales Service, excluding industrial class only.</p> <p>The distribution charge per Mcf for gas service as set forth in G-1 Sales Service shall be adjusted by an amount hereinunder described as the Weather Normalization Adjustment (WNA). The WNA shall be applicable to Rate G-1 Sales Service, excluding Industrial Sales Service.</p> <p>The WNA shall apply to all residential, commercial and public authority bills based on meters read during the months of November through April. The WNA shall increase or decrease accordingly by month. The WNA will not be billed to reflect meters read during the months of May through October. Customer base loads and heating sensitivity factors will be determined by class and computed annually.</p>
<b>2. <u>Computation of Weather Normalization Adjustment</u></b>	<p>The WNA shall be computed using the following formula:</p> $WNA_i = R_i \frac{(HSF_i (NDD - ADD))}{(BL_i + (HSF_i \times ADD))}$ <p>Where:</p> <p>i = any rate schedule or billing classification within a rate schedule that contains more than one billing classification</p> <p>WNA<sub>i</sub> = Weather Normalization Adjustment Factor for the ith rate schedule or classification expressed as a rate per Mcf</p> <p>R<sub>i</sub> = weighted average rate (distribution charge) of temperature sensitive sales for the ith schedule or classification</p> <p>HSF<sub>i</sub> = heat sensitive factor for the ith schedule or classification</p> <p>NDD = normal billing cycle heating degree days (based upon NOAA 30-year normal for the period of 1971-2000)</p> <p>ADD = actual billing cycle heating degree days</p> <p>BL<sub>i</sub> = base load for the ith schedule or classification</p>

(T)

**ISSUED:** May 28, 2010  
 (Issued by Authority of an Order of the Public Service Commission in Case No. 2009-00354).

**EFFECTIVE:** June 1, 2010

**ISSUED BY:** Mark A. Martin - Vice President of Rates & Regulatory Affairs, Kentucky/Mid-States Division



**Atmos Energy Corporation**  
**KSPC Initial Data Request Dated August 17, 2011**  
**Case No. 2011-00205**  
**Question No. 5**  
**Witness: Mark A. Martin**

**REQUEST:**

Refer to paragraph 9 of the Application wherein Atmos states that its WNA mechanism has performed favorably in the preceding 10-year period. Using the format of Atmos' annual WNA summary report, provide a comparison of results for the preceding 10 years.

**RESPONSE:**

Attached are the annual weather reports for the winter seasons of 2000/2001 through 2010/2011. For convenience, below is a table that summarizes the total WNA revenue and the percent warmer or (colder) for each season.

Winter Season	WNA Revenues	%age Warmer or (Colder)
2000/2001	(\$1,034,000)	(6.4)
2001/2002	\$2,051,000	13.45
2002/2003	(\$926,000)	(6.4)
2003/2004	\$1,135,000	7.9
2004/2005	\$1,716,000	12.2
2005/2006	\$1,232,000	8.6
2006/2007	\$1,216,000	8.1
2007/2008	\$618,000	4.4
2008/2009	\$66,000	4.4
2009/2010	(\$537,000)	(5.5)
2010/2011	(\$108,000)	(0.3)











Atmos Energy Corporation (KY Division)  
WNA Summary Report  
2006-2007 Heating Season vs 2005-2006  
November - April

	2006-2007 Heating Season							2005-2006 Season	
	November	December	January	February	March	April	Total	Total	
<b>RESIDENTIAL</b>									
WNA Customers		153,171	155,391	156,104	157,588	158,025	156,608	156,148	156,760
Total Customers		153,171	155,391	156,104	157,588	158,025	156,608	156,148	156,760
WNA Revenue	\$	-180,748	119,540	748,439	-151,517	87,658	223,943	847,315	856,014
WNA Volume Adjustment	MCF	-151,889	100,454	628,940	-127,325	73,662	188,187	712,029	719,339
Avg. WNA / Customer	\$	(1.18)	0.77	4.79	(0.96)	0.55	1.43	5.43	5.46
<b>COMMERCIAL</b>									
WNA Customers		17,745	17,949	18,017	18,148	18,199	18,033	18,015	17,992
Total Customers		17,750	17,954	18,021	18,152	18,203	18,037	18,020	17,997
WNA Revenue	\$	-56,667	45,656	257,098	-66,332	36,167	68,564	284,485	286,633
WNA Volume Adjustment	MCF	-50,416	40,620	228,734	-59,014	32,177	61,000	253,101	254,559
Avg. WNA / Customer	\$	(3.19)	2.54	14.27	(3.66)	1.99	3.80	15.79	15.93
<b>PUBLIC AUTHORITY</b>									
WNA Customers		1,609	1,602	1,602	1,600	1,593	1,597	1,601	1,637
Total Customers		1,609	1,602	1,602	1,600	1,593	1,597	1,601	1,637
WNA Revenue	\$	-16,219	11,907	70,416	-13,795	9,239	22,157	83,704	89,154
WNA Volume Adjustment	MCF	-15,215	11,170	66,056	-12,941	8,667	20,785	78,522	86,139
Avg. WNA / Customer	\$	(10.08)	7.43	43.95	(8.62)	5.80	13.87	52.30	54.47
<b>TOTAL</b>									
WNA Revenue	\$	-253,634	177,103	1,075,952	-231,644	133,064	314,663	1,215,505	1,231,801
WNA Volume Adjustment	MCF	-217,520	152,243	923,731	-199,280	114,507	269,972	1,043,652	1,060,037
<b>WEATHER</b>									
Billing HDD'S Actual		414	593	667	941	662	298	3,575	3,586
Billing HDD'S Normal		327	634	962	881	696	392	3,892	3,925
Warmer(Colder) then Normal	%	-26.6	6.5	30.7	-6.8	4.9	24.0	8.1	8.6
Calendar HDD'S Actual		505	683	835	913	329	329	3,594	3,549
Calendar HDD'S Normal		516	859	1,006	797	555	247	3,980	3,980
Warmer(Colder) then Normal	%	2.1	20.5	17.0	-14.6	40.7	-33.2	9.7	10.8
<b>CUSTOMER SERVICE</b>									
Total No. of WNA Inquiries								91	372
No. of Inquiries Not Satisfied								0	0

Atmos Energy Corporation (KY Division)  
WNA Summary Report  
2007-2008 Heating Season vs 2006-2007  
November - April

	2006-2007 Heating Season							2006-2007
	November	December	January	February	March	April	Total	Total
<b>RESIDENTIAL</b>								
WNA Customers	153,063	153,985	157,669	156,960	157,808	156,482	155,995	156,148
Total Customers	153,063	153,985	157,669	156,960	157,808	156,482	155,995	156,148
WNA Revenue	\$ 53,106	82,283	336,622	80,364	-134,381	5,403	423,397	847,315
WNA Volume Adjustment	MCF 44,627	69,145	282,876	67,533	-112,926	4,540	355,796	712,029
Avg. WNA / Customer	\$ 0.35	0.53	2.13	0.51	(0.85)	0.03	2.71	5.43
<b>COMMERCIAL</b>								
WNA Customers	17,706	17,697	18,176	17,986	18,058	17,894	17,920	18,015
Total Customers	17,710	17,700	18,181	17,990	18,062	17,896	17,923	18,020
WNA Revenue	\$ 18,934	28,218	123,588	28,287	-49,480	2,582	152,128	284,485
WNA Volume Adjustment	MCF 16,493	24,580	107,655	24,640	-43,101	2,249	132,516	253,101
Avg. WNA / Customer	\$ 1.07	1.59	6.80	1.57	(2.74)	0.14	8.49	15.79
<b>PUBLIC AUTHORITY</b>								
WNA Customers	1,587	1,584	1,603	1,587	1,585	1,578	1,587	1,601
Total Customers	1,587	1,584	1,603	1,587	1,585	1,578	1,587	1,601
WNA Revenue	\$ 7,491	7,887	30,492	7,320	-11,125	309	42,373	83,704
WNA Volume Adjustment	MCF 6,917	7,282	28,155	6,759	-10,273	285	39,126	78,522
Avg. WNA / Customer	\$ 4.72	4.98	19.02	4.61	(7.02)	0.20	26.69	52.30
<b>TOTAL</b>								
WNA Revenue	\$ 79,531	118,388	490,702	115,971	-194,987	8,294	617,899	1,215,505
WNA Volume Adjustment	MCF 68,037	101,008	418,685	98,932	-166,299	7,075	527,438	1,043,652
<b>WEATHER</b>								
Billing HDD'S Actual	302	610	820	850	679	406	3,667	3,575
Billing HDD'S Normal	330	642	947	880	629	409	3,837	3,892
Warmer(Colder) then Normal	% 8.5	5.0	13.4	3.4	-7.9	0.7	4.4	8.1
Calendar HDD'S Actual	526	735	946	772	543	276	3,798	3,594
Calendar HDD'S Normal	516	859	1,006	797	555	247	3,980	3,980
Warmer(Colder) then Normal	% -1.9	14.4	6.0	3.1	2.2	-11.7	4.6	9.7
<b>CUSTOMER SERVICE</b>								
Total No. of WNA Inquiries								10
No. of Inquiries Not Satisfied								0

Atmos Energy Corporation (KY Division)  
WNA Summary Report  
2008-2009 Heating Season vs 2007-2008  
November - April

	2008-2009 Heating Season							2007-2008
	November	December	January	February	March	April	Total	Season Total
<b>RESIDENTIAL</b>								
WNA Customers	152,239	154,574	154,263	156,203	158,260	155,454	155,166	155,995
Total Customers	152,239	154,574	154,263	156,203	158,260	155,454	155,166	155,995
WNA Revenue	\$ -30,951	-276,781	136,730	-40,560	182,091	74,082	44,611	423,397
WNA Volume Adjustment	MCF -26,009	-232,589	114,899	-34,084	153,018	62,254	37,489	355,796
Avg. WNA / Customer	\$ (0.20)	(1.79)	0.89	(0.26)	1.15	0.48	0.29	2.71
<b>COMMERCIAL</b>								
WNA Customers	17,541	17,688	17,724	17,786	17,898	17,715	17,725	17,920
Total Customers	17,544	17,691	17,727	17,789	17,901	17,718	17,728	17,923
WNA Revenue	\$ -9,668	-92,931	48,216	-11,680	60,990	20,921	15,847	152,128
WNA Volume Adjustment	MCF -8,541	-82,095	42,593	-10,318	53,878	18,482	13,999	132,516
Avg. WNA / Customer	\$ (0.55)	(5.25)	2.72	(0.66)	3.41	1.18	0.89	8.49
<b>PUBLIC AUTHORITY</b>								
WNA Customers	1,570	1,570	1,565	1,578	1,578	1,571	1,572	1,587
Total Customers	1,570	1,570	1,565	1,578	1,578	1,571	1,572	1,587
WNA Revenue	\$ -2,888	-25,222	11,502	-2,882	16,178	8,532	5,220	42,373
WNA Volume Adjustment	MCF -2,654	-23,182	10,572	-2,649	14,869	7,842	4,798	39,126
Avg. WNA / Customer	\$ (1.84)	(16.07)	7.35	(1.83)	10.25	5.43	3.32	26.69
<b>TOTAL</b>								
WNA Revenue	\$ -43,507	-394,935	196,448	-55,122	259,259	103,536	65,678	617,899
WNA Volume Adjustment	MCF -37,204	-337,867	168,065	-47,051	221,765	88,578	56,285	527,438
<b>WEATHER</b>								
Billing HDD'S Actual	324	743	909	852	610	342		3,667
Billing HDD'S Normal	318	625	947	958	680	373	3,901	3,837
Warmer(Colder) then Normal	% -1.9	-18.9	4.0	11.1	10.3	8.3	100.0	4.4
Calendar HDD'S Actual	606	845	1034	679	437	264	3,865	3,798
Calendar HDD'S Normal	531	841	981	758	539	264	3,914	3,980
Warmer(Colder) then Normal	% -14.1	-0.5	-5.4	10.4	18.9	0.0	1.3	4.6
<b>CUSTOMER SERVICE</b>								
Total No. of WNA Inquiries								29
No. of Inquiries Not Satisfied								0

Atmos Energy Corporation (KY Division)  
WNA Summary Report  
2009-2010 Heating Season vs 2008-2009  
November - April

	2009-2010 Heating Season							2008-2009
	November	December	January	February	March	April	Total	Season Total
<b>RESIDENTIAL</b>								
WNA Customers	152,068	153,769	155,515	156,124	157,465	156,349	155,215	155,166
Total Customers	152,068	153,769	155,515	156,124	157,465	156,349	155,215	155,166
WNA Revenue	\$ 39,863	34,767	-261,677	-153,402	-240,965	215,494	-365,920	44,611
WNA Volume Adjustment	MCF 33,498	29,216	-219,897	-128,909	-202,491	181,087	-307,496	37,489
Avg. WNA / Customer	\$ 0.26	0.23	(1.68)	(0.98)	(1.53)	1.38	(2.36)	0.29
<b>COMMERCIAL</b>								
WNA Customers	17,218	17,496	17,687	17,709	17,813	17,670	17,599	17,725
Total Customers	17,221	17,499	17,690	17,712	17,817	17,679	17,603	17,728
WNA Revenue	\$ 39,328	-16,762	-93,472	-60,642	-81,328	72,292	-140,583	15,847
WNA Volume Adjustment	MCF 34,258	-14,601	-81,422	-52,824	-70,843	62,972	-122,459	13,804
Avg. WNA / Customer	\$ 2.28	(0.96)	(5.28)	(3.42)	(4.57)	4.09	(7.99)	0.89
<b>PUBLIC AUTHORITY</b>								
WNA Customers	1,650	1,503	1,588	1,594	1,608	1,571	1,586	1,572
Total Customers	1,650	1,503	1,588	1,594	1,608	1,571	1,586	1,572
WNA Revenue	\$ 5,308	2,401	-22,998	-16,578	-20,173	21,835	-30,206	5,220
WNA Volume Adjustment	MCF 4,901	2,217	-21,236	-15,307	-18,627	20,161	-27,891	4,820
Avg. WNA / Customer	\$ 3.22	1.60	(14.48)	(10.40)	(12.55)	13.90	(19.05)	3.32
<b>TOTAL</b>								
WNA Revenue	\$ 84,499	20,406	-378,148	-230,621	-342,465	309,620	-536,710	65,678
WNA Volume Adjustment	MCF 72,657	16,832	-322,554	-197,040	-291,961	264,220	-457,846	56,113
<b>WEATHER</b>								
Billing HDD'S Actual	324	642	1,032	888	771	321	3,978	3,667
Billing HDD'S Normal	339	665	932	827	679	327	3,769	3,837
Warmer(Colder) then Normal	% 4.4	3.5	(10.7)	(7.4)	(13.5)	1.8	(5.5)	4.4
Calendar HDD'S Actual	432	883	1079	923	520	140	3,977	3,865
Calendar HDD'S Normal	531	841	981	758	539	264	3,914	3,914
Warmer(Colder) then Normal	% 18.6	(5.0)	(10.0)	(21.8)	3.5	47.0	(1.6)	1.3
<b>CUSTOMER SERVICE</b>								
Total No. of WNA Inquiries								0
No. of Inquiries Not Satisfied								0

Our current numbers for WNA inquires reflect 0 for the 2009-2010 season.

Due to a change in process updates at our Support Center, the reporting for WNA inquiries was deleted. We will be updating that process to begin tracking WNA inquires beginning in June 2010.

Atmos Energy Corporation (KY Division)  
WNA Summary Report  
2010-2011 Heating Season vs 2009-2010  
November - April

	2010-2011 Heating Season							2009-2010
	November	December	January	February	March	April	Total	Total
<b>RESIDENTIAL</b>								
WNA Customers	152,145	154,483	155,993	156,737	157,561	156,170	155,515	155,215
Total Customers	152,145	154,483	155,993	156,737	157,561	156,170	155,515	155,215
WNA Revenue	\$ 96,612	-201,048	-263,395	-89,808	289,096	104,233	-64,309	-365,920
WNA Volume Adjustment	MCF 87,829	-182,771	-239,450	-81,643	262,815	94,757	-58,462	-307,496
Avg. WNA / Customer	\$ 0.64	(1.30)	(1.69)	(0.57)	1.83	0.67	(0.41)	(2.36)
<b>COMMERCIAL</b>								
WNA Customers	17,165	17,577	17,713	17,791	17,780	17,699	17,621	17,599
Total Customers	17,169	17,581	17,717	17,795	17,784	17,703	17,625	17,603
WNA Revenue	\$ 29,279	-75,180	-93,373	-31,269	98,652	33,609	-38,283	-140,583
WNA Volume Adjustment	MCF 25,505	-65,488	-81,336	-27,238	85,933	29,276	-33,347	-122,459
Avg. WNA / Customer	\$ 1.71	(4.28)	(5.27)	(1.76)	5.55	1.90	(2.17)	(7.99)
<b>PUBLIC AUTHORITY</b>								
WNA Customers	1,564	1,574	1,577	1,577	1,581	1,570	1,574	1,586
Total Customers	1,564	1,574	1,577	1,577	1,581	1,570	1,574	1,586
WNA Revenue	\$ 9,086	-19,975	-22,909	-5,652	23,360	10,578	-5,513	-30,206
WNA Volume Adjustment	MCF 8,390	-18,444	-21,154	-5,219	21,570	9,767	-5,090	-27,891
Avg. WNA / Customer	\$ 5.81	(12.69)	(14.53)	(3.58)	14.78	6.74	(3.50)	(19.05)
<b>TOTAL</b>								
WNA Revenue	\$ 134,977	-296,202	-379,677	-126,729	411,108	148,420	-108,104	-536,710
WNA Volume Adjustment	MCF 121,724	-266,702	-341,939	-114,100	370,318	133,800	-96,900	-457,846
<b>WEATHER</b>								
Billing HDD'S Actual	285	750	1,032	908	559	335	3,868	3,978
Billing HDD'S Normal	339	665	924	870	677	380	3,855	3,769
Warmer(Colder) then Normal	% 15.9	-12.8	-11.7	-4.4	17.4	11.8	-0.3	-5.5
Calendar HDD'S Actual	495	1030	1046	694	503	156	3,924	3,977
Calendar HDD'S Normal	531	841	981	758	539	264	3,914	3,914
Warmer(Colder) then Normal	% 6.8	-22.5	-6.6	8.4	6.7	40.9	-0.3	-1.6
<b>CUSTOMER SERVICE</b>								
Total No. of WNA Inquiries								6
No. of Inquiries Not Satisfied								0







**Atmos Energy Corporation**  
**KSPC Initial Data Request Dated August 17, 2011**  
**Case No. 2011-00205**  
**Question No. 6**  
**Witness: Mark A. Martin**

**REQUEST:**

Refer to paragraph 7 of the Application. Atmos mentions that it will “continue to annually update the Base Load (“BL”), Heating Sensitive Factors (“HSF”), and average distribution rate factor (“R”) for each affected classes of firm sales ..... Provide calculations showing the updates of these factors for the last 10 years.

**RESPONSE:**

Attached hereto are the calculations for the BL, HSF, and R factors for the ten year period requested. (Please note that there are two schedules on each page and printed on both sides for a total of four schedules per page.) The following schedule is a summary of the requested WNA factors for the last ten years.

	<u>Residential</u>			<u>Commercial</u>			<u>Public Authority</u>		
	<u>BL Factor<sup>1</sup></u>	<u>HSF Factor<sup>2</sup></u>	<u>R Factor<sup>3</sup></u>	<u>BL Factor<sup>1</sup></u>	<u>HSF Factor<sup>2</sup></u>	<u>R Factor<sup>3</sup></u>	<u>BL Factor<sup>1</sup></u>	<u>HSF Factor<sup>2</sup></u>	<u>R Factor<sup>3</sup></u>
2010/2011	11.051	0.12906	0.111	81.599	0.41041	0.106	167.485	1.18046	0.1004
2009/2010	13.102	0.12406	0.119	84.967	0.40194	0.115	183.943	1.28175	0.1083
2008/2009	12.349	0.12877	0.119	89.703	0.39012	0.113	185.531	1.37763	0.1088
2007/2008	12.096	0.12758	0.119	75.621	0.40606	0.115	182.334	1.42185	0.1083
2006/2007	12.231	0.12024	0.119	80.389	0.39046	0.112	184.894	1.30785	0.1066
2005/2006	12.450	0.13418	0.119	93.018	0.39134	0.113	212.899	1.51728	0.1035
2004/2005	13.445	0.13673	0.119	82.652	0.42067	0.113	228.017	1.46240	0.1037
2003/2004	13.998	0.13603	0.119	71.981	0.44526	0.112	214.909	1.48968	0.1027
2002/2003	13.315	0.13786	0.119	75.508	0.40829	0.114	196.548	1.44680	0.1059
2001/2002	<u>13.757</u>	<u>0.14202</u>	<u>0.119</u>	<u>79.536</u>	<u>0.44815</u>	<u>0.106</u>	<u>186.689</u>	<u>1.55152</u>	<u>0.0899</u>

Notes

<sup>1</sup>Base Load, ccf per customer per month

<sup>2</sup>Heating Sensitive Factor, ccf per customer per degree day

<sup>3</sup>Weighted Average Rate (R), dollars per ccf

Atmos Energy (Kentucky)  
 Calculation of Base Load Factor Applicable for Winter 2010-2011  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	No. of Customers	Actual Volumes, ccf	Pro-Forma Adjustments	Pro-Forma Volumes, ccf	Calculated Base Load (BL)
	(a)	(b)	(c)	(d)	(e)	(f)
1	<u>Residential - Class 1 Rate 1</u>					
2						
3	Jul-10	150,261	1,668,286	0	1,668,286	
4	Aug-10	149,939	1,649,560	0	1,649,560	
5	Total	300,220	3,317,846	0	3,317,846	
6						
7	Base Load, ccf per customer per month -					
8	Column e, line 5 divided by column b, line 5, BL(res) =					
9						<u>11.051</u>
10	<u>Commercial - Class 2 Rate 1</u>					
11						
12	Jul-10	16,867	1,276,591	0	1,276,591	
13	Aug-10	16,677	1,460,573	0	1,460,573	
14	Total	33,544	2,737,164	0	2,737,164	
15						
16	Base Load, ccf per customer per month -					
17	Column e, line 14 divided by column b, line 14, BL(com) =					
18						<u>81.599</u>
19	<u>Public Authority - Class 3 Rate 1</u>					
20						
21	Jul-10	1,561	256,945	0	256,945	
22	Aug-10	1,552	264,436	0	264,436	
23	Total	3,113	521,381	0	521,381	
24						
25	Base Load, ccf per customer per month -					
26	Column e, line 23 divided by column b, line 23, BL(PA) =					
27						<u>167.485</u>
28	Note: Pro-forma adjustments reflect commercial customer contract changes from G-1 sales.					

Atmos Energy (Kentucky)  
 Calculation of Heat Sensitivity Factors Applicable for Winter 2010-2011  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Degree-Days	Actual Base Load (BL)	No. of Customers	Total Base Load (Col c x Col d)	Actual Volumes, ccf	Class Heating Load (Col f - Col e)	Average HL, per Cust. (Col g / Col d)	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
<u>Residential - Class 1 Rate 1</u>									
1	Sep-09	0	11,0510	148,455	1,640,576	1,642,211	1,635	0.01	
2	Oct-09	138	11,0510	150,420	1,662,291	3,196,796	1,534,504	10.20	
3	Nov-09	358	11,0510	152,067	1,680,492	6,869,234	5,188,742	34.12	
4	Dec-09	683	11,0510	153,767	1,699,279	14,702,705	13,003,426	84.57	
5	Jan-10	1,091	11,0510	155,514	1,718,585	24,524,590	22,806,005	146.65	
6	Feb-10	978	11,0510	156,123	1,725,315	20,978,164	19,252,848	123.32	
7	Mar-10	686	11,0510	157,465	1,740,146	18,819,553	17,079,407	108.46	
8	Apr-10	277	11,0510	156,348	1,727,802	6,963,614	5,235,812	33.49	
9	May-10	124	11,0510	153,888	1,700,616	3,077,493	1,376,877	8.95	
10	Jun-10	10	11,0510	152,055	1,680,360	2,013,098	332,738	2.19	
11	Jul-10	0	11,0510	150,261	1,660,534	1,668,286	7,752	0.05	
12	Aug-10	0	11,0510	149,939	1,657,197	1,649,560	(7,637)	(0.05)	
13									
14	Total	4,345		153,027	20,293,194	106,105,302	83,812,108	560.77	
15									
16	Heating Sensitive Factor, ccf per customer per degree-day -								
17	Column h, line 14 divided by column b line 14, HSF(res) =								
								<u>0.12906</u>	



Atmos Energy (Kentucky)  
 Calculation of Heat Sensitivity Factors Applicable for Winter 2009-2010  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days	Calculated Base Load (BL)	No. of Customers	Total Class Base Load (Col c x Col d)	Actual Volumes, ccf	Class Heating Load (Col f - Col e)	Average HL per Cust. (Col g / Col d)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
<u>Residential - Class 1 Rate 1</u>								
1	Sep-08	2	13.1020	149,544	1,959,325	1,600,188	(359,137)	(2.40)
2	Oct-08	31	13.1020	149,958	1,964,750	2,471,282	506,532	3.38
3	Nov-08	401	13.1020	152,239	1,994,635	7,092,168	5,097,532	33.48
4	Dec-08	832	13.1020	154,574	2,025,229	17,380,365	15,355,136	99.34
5	Jan-09	865	13.1020	154,263	2,021,154	21,569,022	19,547,868	126.72
6	Feb-09	917	13.1020	156,202	2,046,559	19,258,724	17,212,165	110.19
7	Mar-09	614	13.1020	158,255	2,073,457	15,308,567	13,235,110	83.63
8	Apr-09	378	13.1020	155,452	2,036,732	8,333,046	6,296,314	40.50
9	May-09	96	13.1020	152,431	1,997,151	4,143,893	2,146,742	14.08
10	Jun-09	24	13.1020	151,809	1,989,002	1,832,275	(156,726)	(1.03)
11	Jul-09	0	13.1020	150,195	1,967,855	2,075,560	107,705	0.72
12	Aug-09	0	13.1020	149,205	1,954,884	1,847,089	(107,795)	(0.72)
13								
14	Total	4,160		152,844	24,030,732	102,912,178	78,881,446	516.09
15								
16								
17								Heating Sensitive Factor, ccf per customer per degree-day - Column h, line 14 divided by column b line 14, HSF(res) = <u>0.12406</u>

Atmos Energy (Kentucky)  
 Calculation of Heat Sensitivity Factors Applicable for Winter 2009-2010  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days	Calculated Base Load (BL)	No. of Customers	Total Class Base Load (Col c x Col d)	Actual Volumes, ccf	Pro-forma Adjustments	Pro-forma Volumes, ccf (Col f + Col g)	Class Heating Load (Col h - Col e)	Average HL per Cust. (Col i / Col d)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
<u>Commercial - Class 2 Rate 1</u>										
1	Sep-08	2	84.9670	17,018	1,445,968	1,471,713	(7,900)	1,463,813	17,845	1.05
2	Oct-08	31	84.9670	17,006	1,444,949	1,963,511	(18,720)	1,944,791	499,842	29.39
3	Nov-08	401	84.9670	17,541	1,490,406	3,011,908	(22,810)	2,989,098	1,498,692	85.44
4	Dec-08	832	84.9670	17,687	1,502,811	7,163,546	(30,470)	7,133,076	5,630,264	318.33
5	Jan-09	865	84.9670	17,722	1,505,785	9,044,531	(68,370)	8,976,161	7,470,376	421.53
6	Feb-09	917	84.9670	17,785	1,511,138	8,219,698	(60,310)	8,159,388	6,648,250	373.81
7	Mar-09	614	84.9670	17,897	1,520,654	6,407,584	(27,460)	6,380,124	4,859,470	271.52
8	Apr-09	378	84.9670	17,713	1,505,020	3,405,670	(32,340)	3,373,330	1,868,309	105.48
9	May-09	96	84.9670	17,286	1,468,740	2,101,324	(27,130)	2,074,194	605,454	35.03
10	Jun-09	24	84.9670	17,015	1,445,714	1,392,813	(17,800)	1,375,013	(70,700)	(4.16)
11	Jul-09	0	84.9670	16,820	1,429,145	1,466,413	(12,060)	1,454,353	25,208	1.50
12	Aug-09	0	84.9670	16,834	1,430,334	1,415,531	(10,400)	1,405,131	(25,204)	(1.50)
13										
14	Total	4,160		17,360	17,700,665	47,064,242	(335,770)	46,728,472	29,027,807	1,672.08
15										
16										
17										Heating Sensitive Factor, ccf per customer per degree-day - Column j, line 14 divided by column b, line 14, HSF(com) = <u>0.40194</u>
18										
19										

Note: Pro-forma adjustments reflect commercial customer contract changes from G-1 sales.

Atmos Energy (Kentucky)  
 Calculation of Heat Sensitivity Factors Applicable for Winter 2009-2010  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Customer										Total	Total
Line No.	Cust # Prem # Rate Block	A	B	A	B	A	B	A	B	A	B
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
<u>Public Authority - Class 3 Rate 1</u>											
1	Sep-08	(3,000)	(7,950)	(3,000)	(2,370)	(3,000)	(3,200)	0	0	(9,000)	(13,520)
2	Oct-08	(3,000)	(5,570)	(3,000)	(2,460)	(3,000)	(7,460)	0	0	(9,000)	(15,490)
3	Nov-08	(3,000)	(9,730)	(3,000)	(3,170)	0	0	0	0	(6,000)	(12,900)
4	Dec-08	(3,000)	(16,130)	(3,000)	(5,110)	0	0	0	0	(6,000)	(21,240)
5	Jan-09	0	0	(3,000)	(9,450)	0	0	0	0	(3,000)	(9,450)
6	Feb-09	0	0	(3,000)	(10,560)	0	0	0	0	(3,000)	(10,560)
7	Mar-09	0	0	(3,000)	(9,310)	0	0	0	0	(3,000)	(9,310)
8	Apr-09	0	0	(3,000)	(6,510)	0	0	0	0	(3,000)	(6,510)
9	May-09	0	0	(3,000)	(5,590)	0	0	0	0	(3,000)	(5,590)
10	Jun-09	0	0	(3,000)	(2,830)	0	0	0	0	(3,000)	(2,830)
11	Jul-09	0	0	(3,000)	(2,570)	0	0	0	0	(3,000)	(2,570)
12	Aug-09	0	0	(3,000)	(1,590)	0	0	0	0	(3,000)	(1,590)
13											
14	Total	(12,000)	(39,380)	(36,000)	(61,520)	(6,000)	(10,660)	0	0	(54,000)	(111,560)
15											

Line No.	G-1 Sales by Billing Block ending 8/31/09	Volumes, ccf (12 months)	Pro-Forma Adjustments	Pro-Forma Volumes, ccf	Current Margin per Ccf	Current Margin (Col d x Col e)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	<u>Residential - Class 1 Rate 1</u>					
2	0-300 Mcf/month	102,912,178	0	102,912,178	0.11900	12,246,549
3	Next 14,700 Mcf/month	0	0	0	0.07530	0
4	Total	0	0	0	0.04708	0
5	Total	102,912,178	0	102,912,178		12,246,549
6						
7	<u>Weighted Average Rate (R), \$/ccf -</u>					
8	<u>Current Rates - Column f, line 6 divided by column d, line 6, R (res) =</u>					
9						<u>0.1190</u>
10	<u>Commercial - Class 2 Rate 1</u>					
11	0-300 Mcf/month	41,899,612	(3,130)	41,896,482	0.1190	4,985,681
12	Next 14,700 Mcf/month	5,164,629	(332,640)	4,831,989	0.0753	363,849
13	Over 15,000 Mcf/month	0		0	0.0471	0
14	Total	47,064,242	(335,770)	46,728,472		5,349,530
15						
16	<u>Weighted Average Rate (R), \$/ccf -</u>					
17	<u>Current Rates - Column f, line 15 divided by column d, line 15, R (com) =</u>					
18						<u>0.1145</u>
19						
20	<u>Public Authority - Class 3 Rate 1</u>					
21	0-300 Mcf/month	9,301,033	(54,000)	9,247,033	0.1190	1,100,397
22	Next 14,700 Mcf/month	2,661,199	(111,560)	2,549,639	0.0753	191,988
23	Over 15,000 Mcf/month	0		0	0.0471	0
24	Total	11,962,232	(165,560)	11,796,672		1,292,385
25						
26	<u>Weighted Average Rate (R), \$/ccf -</u>					
27	<u>Current Rates - Column f, line 25 divided by column d, line 25, R (PA) =</u>					
28						<u>0.1096</u>

Atmos Energy (Kentucky)  
 Calculation of R-Values Applicable for Winter 2009-2010  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Atmos Energy (Kentucky)  
 Calculation of Base Load Factor Applicable for Winter 2008-2009  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days (b)	Calculated Base Load (BL) (c)	No. of Customers (d)	Total Class	Actual Volumes, ccf (f)	Class	Average
					Base Load (Col c x Col d) (e)		Heating Load (Col f - Col e) (g)	HL per Cust. (Col g / Col d) (h)
<u>Residential - Class 1 Rate 1</u>								
1	Sep-07	4.0	12.3490	148,455	1,833,271	1,689,453	(143,818)	(0.97)
2	Oct-07	77.0	12.3490	149,647	1,847,991	3,637,140	1,789,149	11.96
3	Nov-07	336.0	12.3490	153,175	1,891,558	9,365,250	7,473,692	48.79
4	Dec-07	630.5	12.3490	155,387	1,918,874	14,201,690	12,282,816	79.05
5	Jan-08	840.5	12.3490	156,103	1,927,716	15,887,910	13,960,194	89.43
6	Feb-08	858.9	12.3490	157,586	1,946,030	22,686,070	20,740,040	131.61
7	Mar-08	657.5	12.3490	158,025	1,951,451	16,690,150	14,738,699	93.27
8	Apr-08	409.5	12.3490	156,608	1,933,952	7,885,290	5,951,338	38.00
9	May-08	175.5	12.3490	154,755	1,911,069	4,324,970	2,413,901	15.60
10	Jun-08	37.5	12.3490	151,690	1,873,220	2,283,160	409,940	2.70
11	Jul-08	0.0	12.3490	150,724	1,861,291	1,835,650	(25,641)	(0.17)
12	Aug-08	0.0	12.3490	150,409	1,857,401	1,883,040	25,639	0.17
13								
14	Total	4,026.8		153,547	22,753,823	102,369,773	79,615,950	518.51
15								
16								
17								Heating Sensitive Factor, ccf per customer per degree-day - Column h, line 14 divided by column b line 14, HSF(res) = <u>0.12877</u>

Atmos Energy (Kentucky)  
 Calculation of Base Load Factor Applicable for Winter 2008-2009  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days (b)	Calculated Base Load (BL) (c)	No. of Customers (d)	Total Class	Actual Volumes, ccf (f)	Pro-forma Adjustments (g)	Pro-forma	Class	Average
					Base Load (Col c x Col d) (e)			Volumes, ccf (Col f + Col g) (h)	Heating Load (Col h - Col e) (i)	HL per Cust. (Col j / Col d) (j)
<u>Commercial - Class 2 Rate 1</u>										
1	Sep-07	4.0	89.7030	17,182	1,541,277	1,450,220	(852)	1,449,368	(91,909)	(5.35)
2	Oct-07	77.0	89.7030	17,260	1,548,274	2,426,870	(2,722)	2,424,148	875,874	50.75
3	Nov-07	336.0	89.7030	17,734	1,590,793	3,874,410	(3,519)	3,870,891	2,280,098	128.57
4	Dec-07	630.5	89.7030	17,948	1,609,989	5,873,020	(5,333)	5,867,687	4,257,698	237.22
5	Jan-08	840.5	89.7030	18,013	1,615,820	6,573,190	(5,653)	6,567,537	4,951,717	274.90
6	Feb-08	858.9	89.7030	18,144	1,627,571	9,633,940	(8,041)	9,625,899	7,998,328	440.82
7	Mar-08	657.5	89.7030	18,198	1,632,415	6,839,930	(15,306)	6,824,624	5,192,209	285.32
8	Apr-08	409.5	89.7030	18,030	1,617,345	3,397,410	(13,660)	3,383,750	1,766,405	97.97
9	May-08	175.5	89.7030	17,737	1,591,062	2,151,810	(11,999)	2,139,811	548,749	30.94
10	Jun-08	37.5	89.7030	17,383	1,559,307	1,561,250	(10,716)	1,550,534	(8,773)	(0.50)
11	Jul-08	0.0	89.7030	17,360	1,557,244	1,702,910	(9,880)	1,693,030	135,786	7.82
12	Aug-08	0.0	89.7030	17,142	1,537,689	1,412,290	(10,392)	1,401,898	(135,791)	(7.92)
13										
14	Total	4,026.8		17,678	19,028,787	46,897,250	(98,073)	46,799,177	27,770,390	1,570.94
15										
16										
17										Heating Sensitive Factor, ccf per customer per degree-day - Column h, line 14 divided by column b, line 14, HSF(com) = <u>0.39012</u>
18										
19										Note: Pro-forma adjustments reflect commercial customer contract changes from G-1 sales.

Atmos Energy (Kentucky)  
 Calculation of Base Load Factor Applicable for Winter 2008-2009  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	G-1 Sales by Billing Block	Volume, ccf (12 months ending 8/31/07)	Pro-Forma Adjustments	Pro-Forma Volume, ccf	Current Margin per Ccf	Current Margin (Col d x Col e)	
	(a)	(b)	(c)	(d)	(e)	(f)	
<b>Residential - Class 1 Rate 1</b>							
1							
2	0-300 Mcf/month	101,761,452	608,321	102,369,773	0.11900	12,182,003	
3	Next 14,700 Mcf/month	608,321	(608,321)	0	0.07530	0	
4	Over 15,000 Mcf/month	0	0	0	0.04708	0	
5	Total	102,369,773	0	102,369,773		12,182,003	
6							
7	Weighted Average Rate (R), \$/ccf -						
8	Current Rates - Column f, line 6 divided by column d, line 6, R (res) =						
9						0.1190	
10	-----						
<b>Commercial - Class 2 Rate 1</b>							
11							
12	0-300 Mcf/month	40,689,880	(49,310)	40,640,570	0.1190	4,836,228	
13	Next 14,700 Mcf/month	6,207,370	(48,763)	6,158,607	0.0753	463,743	
14	Over 15,000 Mcf/month	0	0	0	0.0471	0	
15	Total	46,897,250	(98,073)	46,799,177		5,299,971	
16							
17	Weighted Average Rate (R), \$/ccf -						
18	Current Rates - Column f, line 15 divided by column d, line 15, R (com) =						
19						0.1132	
20	-----						
<b>Public Authority - Class 3 Rate 1</b>							
21							
22	0-300 Mcf/month	9,515,750	0	9,515,750	0.1190	1,132,374	
23	Next 14,700 Mcf/month	2,882,830	0	2,882,830	0.0753	217,077	
24	Over 15,000 Mcf/month	0	0	0	0.0471	0	
25	Total	12,398,580	0	12,398,580		1,349,451	
26							
27	Weighted Average Rate (R), \$/ccf -						
28	Current Rates - Column f, line 25 divided by column d, line 25, R (PA) =						
						0.1088	

Atmos Energy (Kentucky)  
 Calculation of Base Load Factor Applicable for Winter 2008-2009  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	(a)	NOAA Station					Actual Degree Days [1]	Lagged Actual Mo. DDays [2]
		Lexington (b)	Louisville (c)	Paducah (d)	Evansville (e)	Nashville (f)		
1	Aug-07					0		
2	Sep-07					8	4.0	
3	Oct-07					146	77.0	
4	Nov-07					526	336.0	
5	Dec-07					735	630.5	
6	Jan-08					946	840.5	
7	Feb-08					772	858.9	
8	Mar-08					543	657.5	
9	Apr-08					276	409.5	
10	May-08					75	175.5	
11	Jun-08					0	37.5	
12	Jul-08					0	0.0	
13	Aug-08					0	0.0	
14								
15	Weighting	14.70%	3.70%	36.30%	22.90%	22.40%	4,027	

[1] Weighted per percentages below.  
 [2] From 16th of previous month to 15th of current month.





Atmos Energy (Kentucky)  
 Calculation of Weighted Average Rate (R) Applicable for Winter 2007-2008  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	G-1 Sales by Billing Block (a)	Volumes, ccf (12 months ending 8/31/07) (b)	Pro-Forma Adjustments (c)	Pro-Forma Volumes, ccf (d)	Current Margin per ccf (e)	Current Margin (Col d x Col e) (f)
1	<u>Residential - Class 1 Rate 1</u>					
2	0-300 Mcf/month	101,760,072	398,979	102,159,051	0.1190	12,156,927
3	Next 14,700 Mcf/month	398,979	(398,979)	0	0.0753	0
4	Over 15,000 Mcf/month	0	0	0	0.0471	0
5	Total	102,159,051	0	102,159,051		12,156,927
6						
7	Weighted Average Rate (R), \$/ccf -					
8	<u>Current Rates</u> - Column f, line 6 divided by column d, line 6, R (res) = <u>0.1190</u>					
9						
10						
11	<u>Commercial - Class 2 Rate 1</u>					
12	0-300 Mcf/month	41,055,940	(93,000)	40,962,940	0.1190	4,874,590
13	Next 14,700 Mcf/month	5,512,865	(1,200,010)	4,312,855	0.0753	324,758
14	Over 15,000 Mcf/month	0	0	0	0.0471	0
15	Total	46,568,805	(1,293,010)	45,275,795		5,199,348
16						
17	Weighted Average Rate (R), \$/ccf -					
18	<u>Current Rates</u> - Column f, line 15 divided by column d, line 15, R (com) = <u>0.1148</u>					
19						
20						
21	<u>Public Authority - Class 3 Rate 1</u>					
22	0-300 Mcf/month	9,536,453	18,000	9,554,453	0.1190	1,136,980
23	Next 14,700 Mcf/month	2,860,726	256,110	3,116,836	0.0753	234,698
24	Over 15,000 Mcf/month	0	0	0	0.0471	0
25	Total	12,397,179	274,110	12,671,289		1,371,678
26						
27	Weighted Average Rate (R), \$/ccf -					
28	<u>Current Rates</u> - Column f, line 25 divided by column d, line 25, R (PA) = <u>0.1083</u>					

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2007-2008  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	NOAA Station					Actual Degree Days [1] (g)	Lagged Actual Mo. DDays [2] (h)	
	Lexington (b)	Louisville (c)	Paducah (d)	Evansville (e)	Nashville (f)			
1	Aug-06					0		
2	Sep-06					46	23.0	
3	Oct-06					314	180.0	
4	Nov-06					505	409.5	
5	Dec-06					683	594.0	
6	Jan-07					835	759.0	
7	Feb-07					913	874.0	
8	Mar-07					329	621.0	
9	Apr-07					329	329.0	
10	May-07					27	178.0	
11	Jun-07					0	13.5	
12	Jul-07					0	0.0	
13	Aug-07					0	0.0	
14								
15	Weighting	14.70%	3.70%	36.30%	22.90%	22.40%	3,981	3,981

[1] Weighted per percentages below.

[2] From 16th of previous month to 15th of current month.

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2006-2007  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days (b)	Calculated Base Load (BL) (c)	No. of Customers (d)	Total Class		Pro-forma Adjustments (g)	Pro-forma Volumes, ccf (Col f + Col g) (h)	Class Heating Load (Col h - Col e) (i)	Average HL per Cust. (Col j / Col d) (j)
					Base Load (Col c x Col d) (e)	Actual Volumes, ccf (f)				
<b>Commercial - Class 2 Rate 1</b>										
1	Sep-05	0.0	80.3890	17,202	1,382,852	1,557,045	(14,081)	1,542,964	160,113	9.31
2	Oct-05	56.0	80.3890	17,328	1,392,981	1,947,327	(15,000)	1,932,327	539,347	31.13
3	Nov-05	307.0	80.3890	17,690	1,422,081	2,771,104	(6,281)	2,764,823	1,342,741	75.90
4	Dec-05	863.0	80.3890	18,044	1,450,539	7,115,983	(1,536)	7,114,447	5,663,908	313.89
5	Jan-06	768.0	80.3890	18,078	1,453,272	7,958,651	(11,016)	7,947,635	6,494,363	359.24
6	Feb-06	760.0	80.3890	18,123	1,456,890	6,840,949	(17,183)	6,823,766	5,366,876	296.14
7	Mar-06	567.0	80.3890	18,063	1,452,067	6,230,835	(18,323)	6,212,512	4,760,446	263.55
8	Apr-06	429.0	80.3890	17,944	1,442,500	3,681,970	(17,480)	3,664,490	2,221,989	123.83
9	May-06	112.0	80.3890	17,691	1,422,162	1,929,866	(17,995)	1,911,871	489,709	27.68
10	Jun-06	22.0	80.3890	16,933	1,361,227	1,646,623	(17,236)	1,629,387	268,160	15.84
11	Jul-06	0.0	80.3890	17,293	1,390,167	1,357,953	(16,753)	1,341,200	(48,967)	(2.83)
12	Aug-06	0.0	80.3890	17,081	1,373,125	1,434,589	(12,512)	1,422,077	48,952	2.87
13										
14	Total	3,884.0			16,999,862	44,472,895	(165,396)	44,307,499	27,307,637	1,516.54
15										
16					Heating Sensitive Factor, ccf per customer per degree-day -					
17					Column h, line 14 divided by column b, line 14, HSF(com) =					<u>0.39046</u>
18										
19					Note: Pro-forma adjustments reflect commercial customer contract changes from G-1 sales.					

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2006-2007  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Rate Block	Customer		Regional Medical Center		Cust # 189184		Prem # 229321		Total A (j)	Total B (k)
		A (b)	B (c)	A (d)	B (e)	A (f)	B (g)	A (h)	B (i)		
1	Sep-05	(3,000)	(11,081)	0	0	0	0	0	0	(3,000)	(11,081)
2	Oct-05	(3,000)	(12,000)	0	0	0	0	0	0	(3,000)	(12,000)
3	Nov-05	(3,000)	(3,281)	0	0	0	0	0	0	(3,000)	(3,281)
4	Dec-05	(1,536)	0	0	0	0	0	0	0	(1,536)	0
5	Jan-06	(3,000)	(8,016)	0	0	0	0	0	0	(3,000)	(8,016)
6	Feb-06	(3,000)	(14,183)	0	0	0	0	0	0	(3,000)	(14,183)
7	Mar-06	(3,000)	(15,323)	0	0	0	0	0	0	(3,000)	(15,323)
8	Apr-06	(3,000)	(14,480)	0	0	0	0	0	0	(3,000)	(14,480)
9	May-06	(3,000)	(14,995)	0	0	0	0	0	0	(3,000)	(14,995)
10	Jun-06	(3,000)	(14,236)	0	0	0	0	0	0	(3,000)	(14,236)
11	Jul-06	(3,000)	(13,753)	0	0	0	0	0	0	(3,000)	(13,753)
12	Aug-06	(3,000)	(9,512)	0	0	0	0	0	0	(3,000)	(9,512)
13											
14	Total	(34,536)	(130,860)	0	0	0	0	0	0	(34,536)	(130,860)

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2006-2007  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days (b)	Calculated Base Load (BL) (c)	No. of Customers (d)	Total Class		Pro-forma Volumes, ccf Adjustments (g)	Pro-forma Volumes, ccf (Col f + Col g) (h)	Class Heating Load (Col h - Col e) (i)	Average HL per Cust. (Col i / Col d) (j)
					Base Load (BL) (e)	Actual Volumes, ccf (f)				
<u>Public Authority - Class 3 Rate 1</u>										
1	Sep-05	0.0	184,8940	1,625	300,453	419,529	(52,568)	366,961	66,508	40.93
2	Oct-05	56.0	184,8940	1,618	299,158	479,401	(56,023)	423,378	124,220	76.77
3	Nov-05	307.0	184,8940	1,631	301,562	941,052	(72,392)	868,660	567,097	347.70
4	Dec-05	863.0	184,8940	1,634	302,117	2,018,005	(82,116)	1,935,889	1,633,773	999.86
5	Jan-06	768.0	184,8940	1,645	304,151	2,284,789	(81,877)	2,202,912	1,898,761	1,154.26
6	Feb-06	760.0	184,8940	1,635	302,302	1,894,328	(76,287)	1,818,041	1,515,739	927.06
7	Mar-06	567.0	184,8940	1,631	301,562	1,815,785	(72,959)	1,742,826	1,441,264	883.67
8	Apr-06	429.0	184,8940	1,626	300,638	1,066,825	(60,879)	1,005,946	705,309	433.77
9	May-06	112.0	184,8940	1,620	299,528	588,471	(64,718)	523,753	224,225	138.41
10	Jun-06	22.0	184,8940	1,546	285,846	461,295	(56,049)	405,246	119,400	77.23
11	Jul-06	0.0	184,8940	1,619	299,343	349,002	(51,490)	297,512	(1,831)	(1.13)
12	Aug-06	0.0	184,8940	1,603	296,385	337,901	(39,686)	298,215	1,830	1.14
13										
14	Total	3,884.0			3,593,045	12,656,383	(767,044)	11,889,339	8,296,294	5,079.67
15										
16										
17										
Heating Sensitive Factor, ccf per customer per degree-day - Column h, line 14 divided by column b, line 14, HSF(PA) =										<u>1.30785</u>

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2006-2007  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Rate Block	Customer		Muhlenberg Community Hospital		Medical Center BG		Medical Center BG		Total A	Total B
		Cust #	Prem #	158679	198418	103076	142289	109625	148854		
		A	B	A	B	A	B	A	B	(i)	(k)
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)
<u>Public Authority - Class 3 Rate 1</u>											
1	Sep-05	(3,000)	(5,420)	(3,000)	(32,283)	(3,000)	(5,865)	0	0	(9,000)	(43,568)
2	Oct-05	(3,000)	(6,433)	(3,000)	(33,529)	(3,000)	(7,061)	0	0	(9,000)	(47,023)
3	Nov-05	(3,000)	(9,372)	(3,000)	(48,740)	(3,000)	(5,280)	0	0	(9,000)	(63,392)
4	Dec-05	(3,000)	(11,985)	(3,000)	(52,259)	(3,000)	(8,872)	0	0	(9,000)	(73,116)
5	Jan-06	(3,000)	(13,829)	(3,000)	(50,356)	(3,000)	(8,692)	0	0	(9,000)	(72,877)
6	Feb-06	(3,000)	(11,042)	(3,000)	(49,785)	(3,000)	(6,460)	0	0	(9,000)	(67,287)
7	Mar-06	(3,000)	(13,540)	(3,000)	(40,770)	(3,000)	(9,649)	0	0	(9,000)	(63,959)
8	Apr-06	(3,000)	(11,353)	(3,000)	(33,564)	(3,000)	(6,962)	0	0	(9,000)	(51,879)
9	May-06	(3,000)	(8,947)	(3,000)	(40,724)	(3,000)	(6,047)	0	0	(9,000)	(55,718)
10	Jun-06	(3,000)	(9,642)	(3,000)	(30,098)	(3,000)	(7,309)	0	0	(9,000)	(47,049)
11	Jul-06	(3,000)	(6,486)	(3,000)	(30,663)	(3,000)	(5,341)	0	0	(9,000)	(42,490)
12	Aug-06			(3,000)	(26,731)	(3,000)	(6,955)	0	0	(6,000)	(33,686)
13											
14	Total	(33,000)	(108,049)	(36,000)	(469,502)	(36,000)	(84,493)	0	0	(105,000)	(662,044)

Atmos Energy (Kentucky)  
 Calculation of Base Load Factor Applicable for Winter 2005-2006  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	No. of Customers	Actual Volumes, ccf	Pro-Forma Adjustments	Pro-Forma Volumes, ccf	Calculated Base Load (BL)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	
<b>Residential - Class 1 Rate 1</b>							
1							
2							
3	Jul-05	151,905	2,027,170	0	2,027,170		
4	Aug-05	150,903	1,742,780	0	1,742,780		
5	Total	302,808	3,769,950	0	3,769,950		
6							
7	Base Load, ccf per customer per month -						
8	Column 6, line 5 divided by column b, line 5, BL(res) =						12.450
9							
<b>Commercial - Class 2 Rate 1</b>							
10							
11							
12	Jul-05	17,114	1,463,120	0	1,463,120		
13	Aug-05	17,080	1,717,530	0	1,717,530		
14	Total	34,194	3,180,650	0	3,180,650		
15							
16	Base Load, ccf per customer per month -						
17	Column 6, line 14 divided by column b, line 14, BL(com) =						93.018
18							
<b>Public Authority - Class 3 Rate 1</b>							
19							
20							
21	Jul-05	1,641	369,270	0	369,270		
22	Aug-05	1,619	324,780	0	324,780		
23	Total	3,260	694,050	0	694,050		
24							
25	Base Load, ccf per customer per month -						
26	Column 6, line 23 divided by column b, line 23, BL(P/A) =						212.899
27							
28	Note: Pro-forma adjustments reflect commercial customer contract changes from G-1 sales.						

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2005-2006  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days	Calculated Base Load (BL)	No. of Customers	Total Class Base Load (Col c x Col d)	Class Actual Volumes, ccf (Col f - Col e)	Class Heating Load (Col g - Col e)	Average HL per Cust (Col g / Col d)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
<b>Residential - Class 1 Rate 1</b>									
1	Sep-04	0.0	12.4500	149,747	1,864,350	1,913,370	49,020	0.33	
2	Oct-04	97.0	12.4500	150,462	1,873,252	3,037,680	1,164,428	7.74	
3	Nov-04	252.0	12.4500	152,825	1,902,671	5,104,510	3,201,839	20.95	
4	Dec-04	588.0	12.4500	156,210	1,944,815	14,059,770	12,114,956	77.56	
5	Jan-05	785.0	12.4500	157,010	1,954,775	21,247,820	19,293,046	122.88	
6	Feb-05	858.0	12.4500	159,346	1,983,858	19,482,110	17,498,252	109.81	
7	Mar-05	694.0	12.4500	159,251	1,982,675	17,250,470	15,267,795	95.87	
8	Apr-05	355.0	12.4500	158,059	1,967,835	10,700,710	8,732,875	55.25	
9	May-05	218.0	12.4500	155,943	1,941,490	6,006,560	4,065,070	26.07	
10	Jun-05	21.0	12.4500	152,492	1,898,525	2,286,550	388,025	2.54	
11	Jul-05	0.0	12.4500	151,905	1,891,217	2,027,170	135,953	0.89	
12	Aug-05	0.0	12.4500	150,903	1,878,742	1,742,780	(135,962)	(0.90)	
13									
14	Total	3,868.0		154,513	23,084,205	104,859,500	81,775,295	518.99	
15									
16	Heating Sensitive Factor, ccf per customer per degree-day -								
17	Column h, line 14 divided by column b line 14, HSF(res) =								0.13418

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2005-2006  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	NOAA Station					Actual Degree Days [1]	Lagged Actual Mo. DDays [2]	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2	Sep-02					12.0	0.0	
3	Oct-02					141.0	97.0	
4	Nov-02					427.0	252.0	
5	Dec-02					893.0	588.0	
6	Jan-03					783.0	785.0	
7	Feb-03					637.0	858.0	
8	Mar-03					636.0	694.0	
9	Apr-03					231.0	355.0	
10	May-03					108.0	218.0	
11	Jun-03					0.0	21.0	
12	Jul-03					0.0	0.0	
13	Aug-03					0.0	0.0	
14								
15	Weighting	15.61%	2.80%	37.92%	22.22%	21.44%	3,868	3,868

[1] Weighted per percentages below.  
 [2] From 16th of previous month to 15th of current month.

Atmos Energy (Kentucky)  
 Calculation of Weighted Average Rate (R) Applicable for Winter 2005-2006  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	G-1 Sales by Billing Block (a)	Volumes, ccf (12 months ending 8/31/05) (b)	Pro-Forma Adjustments (c)	Pro-Forma Volumes, ccf (d)	Current Margin per ccf (e)	Current Margin (Col d x Col e) (f)
1	<u>Residential - Class 1 Rate 1</u>					
2	0-300 Mcf/month	104,452,990	406,510	104,859,500	0.1190	12,478,281
3	Next 14,700 Mcf/month	406,510	(406,510)	0	0.0659	0
4	Over 15,000 Mcf/month	0	0	0	0.0430	0
5	Total	104,859,500	0	104,859,500		12,478,281
6						
7	Weighted Average Rate (R), \$/ccf -					
8	<u>Current Rates</u> - Column f, line 6 divided by column d, line 6, R (res) = <u>0.1190</u>					
9						
10						
11	<u>Commercial - Class 2 Rate 1</u>					
12	0-300 Mcf/month	40,685,650	21,110	40,706,760	0.1190	4,844,104
13	Next 14,700 Mcf/month	5,339,280	245,170	5,584,450	0.0659	368,015
14	Over 15,000 Mcf/month	0	0	0	0.0430	0
15	Total	46,024,930	266,280	46,291,210		5,212,120
16						
17	Weighted Average Rate (R), \$/ccf -					
18	<u>Current Rates</u> - Column f, line 15 divided by column d, line 15, R (com) = <u>0.1126</u>					
19						
20						
21	<u>Public Authority - Class 3 Rate 1</u>					
22	0-300 Mcf/month	9,814,020	(21,000)	9,793,020	0.1190	1,165,369
23	Next 14,700 Mcf/month	4,067,130	(47,570)	4,019,560	0.0659	264,889
24	Over 15,000 Mcf/month	0	0	0	0.0430	0
25	Total	13,881,150	(68,570)	13,812,580		1,430,258
26						
27	Weighted Average Rate (R), \$/ccf -					
28	<u>Current Rates</u> - Column f, line 25 divided by column d, line 25, R (PA) = <u>0.1035</u>					

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2004-2005  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days	Calculated Base Load (BL)	No. of Customers	Total Class Base Load (Col c x Col d)	Actual Volumes, ccf	Pro-forma Adjustments	Pro-forma Volumes, ccf (Col f + Col g)	Class Heating Load (Col h - Col e)	Average HL per Cust. (Col j / Col d)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
<u>Commercial - Class 2 Rate 1</u>										
1	Sep-03	0.0	82.6520	16,933	1,399,546	1,402,994	0	1,402,994	3,447	0.20
2	Oct-03	218.0	82.6520	17,186	1,420,457	2,230,959	0	2,230,959	810,502	47.16
3	Nov-03	239.0	82.6520	17,400	1,438,145	2,788,688	0	2,788,688	1,350,543	77.62
4	Dec-03	586.0	82.6520	17,735	1,465,833	5,918,374	0	5,918,374	4,452,541	251.06
5	Jan-04	874.0	82.6520	17,828	1,473,520	8,944,395	0	8,944,395	7,470,875	419.05
6	Feb-04	938.0	82.6520	17,901	1,479,553	9,586,642	0	9,586,642	8,107,089	452.88
7	Mar-04	600.0	82.6520	17,930	1,481,950	6,015,074	0	6,015,074	4,533,123	252.82
8	Apr-04	402.0	82.6520	17,738	1,466,081	4,086,939	0	4,086,939	2,620,858	147.75
9	May-04	130.0	82.6520	17,440	1,441,451	1,931,329	0	1,931,329	489,878	28.09
10	Jun-04	0.0	82.6520	17,212	1,422,606	1,540,960	0	1,540,960	118,354	6.88
11	Jul-04	0.0	82.6520	17,058	1,409,878	1,404,521	0	1,404,521	(5,357)	(0.31)
12	Aug-04	15.0	82.6520	17,109	1,414,093	1,419,438	0	1,419,438	5,345	0.31
13										
14	Total	4,002.0			17,313,114	47,270,314	0	47,270,314	29,957,200	1,683.52
15										
16										
17										Heating Sensitive Factor, ccf per customer per degree-day - Column h, line 14 divided by column e, line 14, HSF(com) =
18										<u>0.42067</u>
19										Note: Pro-forma adjustments reflect commercial customer contract changes from G-1 sales.

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2004-2005  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Actual Degree-Days	Calculated Base Load (BL)	No. of Customers	Total Class Base Load (Col c x Col d)	Actual Volumes, ccf	Class Heating Load (Col f - Col e)	Average HL per Cust. (Col g / Col d)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
<u>Public Authority - Class 3 Rate 1</u>								
1	Sep-03	0.0	228.0170	1,650	376,228	379,721	3,493	2.12
2	Oct-03	218.0	228.0170	1,647	375,544	588,356	212,812	129.21
3	Nov-03	239.0	228.0170	1,654	377,140	887,978	510,838	308.85
4	Dec-03	586.0	228.0170	1,673	381,472	1,956,044	1,574,572	941.17
5	Jan-04	874.0	228.0170	1,669	380,560	2,706,687	2,326,127	1,393.72
6	Feb-04	938.0	228.0170	1,668	380,332	2,797,190	2,416,857	1,448.96
7	Mar-04	600.0	228.0170	1,671	381,016	1,910,201	1,529,185	915.13
8	Apr-04	402.0	228.0170	1,671	381,016	1,278,640	897,623	537.18
9	May-04	130.0	228.0170	1,662	378,964	598,122	219,158	131.86
10	Jun-04	0.0	228.0170	1,691	385,577	460,572	74,995	44.35
11	Jul-04	0.0	228.0170	1,649	376,000	370,706	(5,294)	(3.21)
12	Aug-04	15.0	228.0170	1,657	377,824	383,117	5,292	3.19
13								
14	Total	4,002.0			4,551,675	14,317,334	9,765,659	5,852.53
15								
16								
17								Heating Sensitive Factor, ccf per customer per degree-day - Column h, line 14 divided by column e, line 14, HSF(PA) =
								<u>1.46240</u>

Atmos Energy (Kentucky)  
 Calculation of Base Load Factor Applicable for Winter 2003-2004  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	No. of Customers	Actual Volumes, ccf	Pro-Forma Adjustments	Pro-Forma Volumes, ccf	Calculated Base Load (BL)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	
<b>1 Residential - Class 1 Rate 1</b>							
2							
3	Jul-03	151,374	2,066,800	0	2,066,800		
4	Aug-03	151,759	2,176,447	0	2,176,447		
5	Total	303,133	4,243,247	0	4,243,247		
6							
7	Base Load, ccf per customer per month -						
8	Column e, line 5 divided by column b, line 5, BL(res) =						13,998
9							
<b>10 Commercial - Class 2 Rate 1</b>							
11							
12	Jul-03	17,085	1,198,487	0	1,198,487		
13	Aug-03	17,096	1,261,888	0	1,261,888		
14	Total	34,181	2,460,375	0	2,460,375		
15							
16	Base Load, ccf per customer per month -						
17	Column e, line 14 divided by column b, line 14, BL(comm) =						71,981
18							
<b>19 Public Authority - Class 3 Rate 1</b>							
20							
21	Jul-03	1,648	340,817	0	340,817		
22	Aug-03	1,654	368,813	0	368,813		
23	Total	3,302	709,630	0	709,630		
24							
25	Base Load, ccf per customer per month -						
26	Column e, line 23 divided by column b, line 23, BL(PA) =						214,909
27							
28	Note: Pro-forma adjustments reflect commercial customer contract changes from G-1 sales.						

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2003-2004  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Lagged Actual Degree-Days	Calculated Base Load (BL)	No. of Customers	Total Class Base Load (Col c x Col d)	Actual Volumes, ccf	Class Heating Load (Col f - Col e)	Average HL per Cust (Col g / Col d)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
<b>Residential - Class 1 Rate 1</b>							
1	Sep-02	0.0	13,9980	152,495	2,134,625	1,972,481	(162,144)
2	Oct-02	82.0	13,9980	156,588	2,191,919	3,127,982	936,063
3	Nov-02	450.0	13,9980	164,892	2,308,158	10,085,055	7,776,897
4	Dec-02	842.0	13,9980	161,940	2,266,836	19,904,359	17,637,523
5	Jan-03	849.0	13,9980	164,303	2,299,913	24,954,592	22,654,679
6	Feb-03	1,089.0	13,9980	162,055	2,268,446	26,662,450	24,394,004
7	Mar-03	755.0	13,9980	160,724	2,249,815	19,476,633	17,226,818
8	Apr-03	309.0	13,9980	161,688	2,263,309	9,068,930	6,805,621
9	May-03	91.0	13,9980	163,300	2,285,873	2,961,187	675,314
10	Jun-03	55.0	13,9980	152,827	2,139,272	4,019,496	1,880,224
11	Jul-03	0.0	13,9980	151,374	2,118,933	2,066,800	(52,133)
12	Aug-03	0.0	13,9980	151,759	2,124,322	2,176,447	52,125
13							
14	Total	4,522.0		158,662	26,651,422	126,476,412	99,824,990
15							
16	Heating Sensitive Factor, ccf per customer per degree-day -						
17	Column h, line 14 divided by column e, line 14, HSF(res) =						0.13603

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2003-2004  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	(a)	NOAA Station					Actual	Lagged Actual
		Lexington (b)	Louisville (c)	Paducah (d)	Evansville (e)	Nashville (f)	Degree Days [1] (g)	Mo. DDays [2] (h)
1								
2	Sep-02					8.0	0.0	
3	Oct-02					271.0	82.0	
4	Nov-02					621.0	450.0	
5	Dec-02					848.0	842.0	
6	Jan-03					1,120.0	849.0	
7	Feb-03					865.0	1,089.0	
8	Mar-03					510.0	755.0	
9	Apr-03					205.0	309.0	
10	May-03					54.0	91.0	
11	Jun-03					20.0	55.0	
12	Jul-03					0.0	0.0	
13	Aug-03					0.0	0.0	
14								
15	Weighting	15.61%	2.80%	37.92%	22.22%	21.44%	4,522	4,522

[1] Weighted per percentages below.  
 [2] From 16th of previous month to 15th of current month.

Atmos Energy (Kentucky)  
 Calculation of Weighted Average Rate (R) Applicable for Winter 2003-2004  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	G-1 Sales by Billing Block (a)	Volumes, ccf (12 months ending 8/31/03) (b)	Pro-Forma Adjustments (c)	Pro-Forma Volumes, ccf (d)	Current Margin per ccf (e)	Current Margin (Col d x Col e) (f)
1	<u>Residential - Class 1 Rate 1</u>					
2	0-300 Mcf/month	126,476,412	0	126,476,412	0.1190	15,050,693
3	Next 14,700 Mcf/month	0	0	0	0.0659	0
4	Over 15,000 Mcf/month	0	0	0	0.0430	0
5	Total	126,476,412	0	126,476,412		15,050,693
6						
7	Weighted Average Rate (R), \$/ccf -					
8	<u>Current Rates</u> - Column f, line 6 divided by column d, line 6, R (res) = <u>0.1190</u>					
9						
10						
11	<u>Commercial - Class 2 Rate 1</u>					
12	0-300 Mcf/month	45,213,892	9,000	45,222,892	0.1190	5,381,524
13	Next 14,700 Mcf/month	6,400,823	29,130	6,429,953	0.0659	423,734
14	Over 15,000 Mcf/month	0	0	0	0.0430	0
15	Total	51,614,715	38,130	51,652,845		5,805,258
16						
17	Weighted Average Rate (R), \$/ccf -					
18	<u>Current Rates</u> - Column f, line 15 divided by column d, line 15, R (com) = <u>0.1124</u>					
19						
20						
21	<u>Public Authority - Class 3 Rate 1</u>					
22	0-300 Mcf/month	10,700,032	0	10,700,032	0.1190	1,273,304
23	Next 14,700 Mcf/month	4,736,113	0	4,736,113	0.0659	312,110
24	Over 15,000 Mcf/month	0	0	0	0.0430	0
25	Total	15,436,145	0	15,436,145		1,585,414
26						
27	Weighted Average Rate (R), \$/ccf -					
28	<u>Current Rates</u> - Column f, line 25 divided by column d, line 25, R (PA) = <u>0.1027</u>					





Atmos Energy (Kentucky)  
 Calculation of Base Load Factor Applicable for Winter 2001-2002  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	No. of Customers	Actual Volumes, ccf	Pro-Forma Adjustments	Pro-Forma Volumes, ccf	Calculated Base Load (BL)	
	(a)	(b)	(c)	(d)	(e)	(f)	
<b>Residential - Class 1 Rate 1</b>							
2	Jul-01	152,311	2,186,130	0	2,186,130		
4	Aug-01	151,226	1,989,649	0	1,989,649		
5	Total	303,537	4,175,779	0	4,175,779		
6	Base Load, ccf per customer per month -						
7	Column e, line 5 divided by column b, line 5, BL(res) =						13.757
<b>Commercial - Class 2 Rate 1</b>							
11	Jul-01	17,001	1,373,728	0	1,373,728		
13	Aug-01	16,974	1,328,518	0	1,328,518		
14	Total	33,975	2,702,246	0	2,702,246		
15	Base Load, ccf per customer per month -						
16	Column e, line 14 divided by column b, line 14, BL(comm) =						79.536
<b>Public Authority - Class 3 Rate 1</b>							
21	Jul-01	1,649	317,709	0	317,709		
22	Aug-01	1,652	298,551	0	298,551		
23	Total	3,301	616,260	0	616,260		
24	Base Load, ccf per customer per month -						
25	Column e, line 23 divided by column b, line 23, BL(PA) =						186.689
26							
27							
28	Note: Pro-forma adjustments reflect commercial customer contract changes from G-1 sales.						

Atmos Energy (Kentucky)  
 Calculation of Heating Sensitive Factor Applicable for Winter 2001-2002  
 For G-1 Sales - Residential, Commercial and Public Authority Classes

Line No.	Month	Lagged Degree-Days	Calculated Base Load (BL)	No. of Customers	Total Class Base Load (Col c x Col d)	Actual Volumes, ccf	Class Heating Load (Col f - Col e)	Average HL per Cust. (Col g / Col d)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
<b>Residential - Class 1 Rate 1</b>								
1	Sep-00	3.0	13.7570	153,609	2,113,199	2,486,931	373,732	2.43
2	Oct-00	177.0	13.7570	155,524	2,139,544	4,288,290	2,148,746	13.82
3	Nov-00	259.0	13.7570	157,169	2,162,167	8,093,910	5,931,743	37.74
4	Dec-00	887.0	13.7570	158,813	2,184,790	22,674,941	20,490,151	129.02
5	Jan-01	1,216.0	13.7570	162,123	2,230,326	31,195,704	28,965,378	178.66
6	Feb-01	819.0	13.7570	159,589	2,195,466	21,552,945	19,357,479	121.30
7	Mar-01	646.0	13.7570	162,878	2,240,713	16,156,938	13,916,225	85.44
8	Apr-01	409.0	13.7570	159,239	2,190,651	12,433,218	10,242,567	64.32
9	May-01	110.0	13.7570	158,630	2,182,273	3,871,696	1,689,423	10.65
10	Jun-01	32.0	13.7570	153,532	2,112,140	2,721,438	609,298	3.97
11	Jul-01	0.0	13.7570	152,311	2,095,342	2,186,130	90,788	0.60
12	Aug-01	0.0	13.7570	151,226	2,080,416	1,989,649	(90,767)	(0.60)
13								
14	Total	4,558.0			25,927,027	129,651,790	103,724,763	647.35
15								
16	Heating Sensitive Factor, ccf per customer per degree-day -							
17	Column h, line 14 divided by column e, line 14, HSF(res) = <u>0.14202</u>							

