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ATTORNEY AT LAW
PROFESSIONAL SERVICE CORPORATION
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FRANKFORT, KENTUCKY 40601

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JNHUGHES@fewpb.net

August 28, 2013

Jeff Derouen
Executive Director
Public Service Commission
211 Sower Blvd.
Frankfort, KY 40601

Re: Atmos Energy Corporation
Case No. 2013-00148

Dear Mr. Derouen:

Atmos Energy Corporation submits its responses to the Commission's second data request dated August 14, 2013. I certify that the electronic documents are true and correct copies of the original documents.

If you have any questions about this filing, please contact me.

Submitted By:

Douglas Walther
Atmos Energy Corporation
5430 LBJ Freeway
1800 Three Lincoln Centre
Dallas, TX 75240
972-855-3102
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Mark R. Hutchinson
Wilson, Hutchinson and Poteat
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And

John N. Hughes

John N. Hughes
124 West Todd St.
Frankfort, KY 40601
Phone: 502 227 7270
jnhughes@fewpb.net

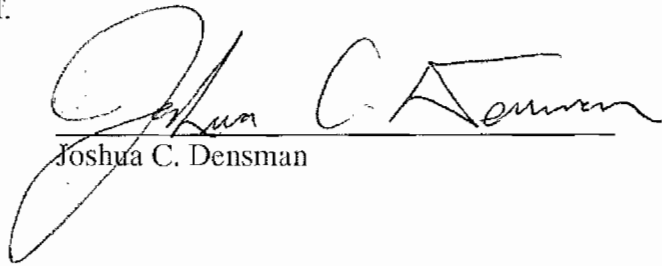
Attorneys for Atmos Energy Corporation

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF)
RATE APPLICATION OF) Case No. 2013-00148
ATMOS ENERGY CORPORATION)

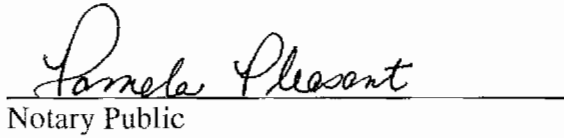
AFFIDAVIT

The Affiant, Joshua C. Densman, being duly sworn, deposes and states that the attached responses to Commission Staff's second request for information are true and correct to the best of his knowledge and belief.

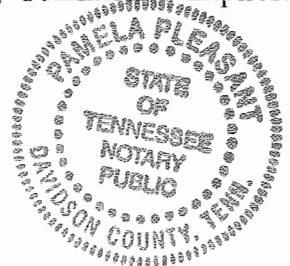

Joshua C. Densman

STATE OF Tennessee
COUNTY OF Williamson

SUBSCRIBED AND SWORN to before me by Joshua C. Densman on this the 22 day of August, 2013.


Notary Public

My Commission Expires: May 3, 2016



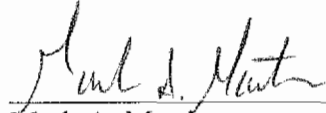
COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF)
RATE APPLICATION OF) Case No. 2013-00148
ATMOS ENERGY CORPORATION)

AFFIDAVIT

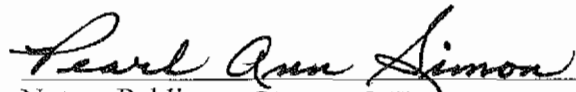
The Affiant, Mark A. Martin, being duly sworn, deposes and states that the attached responses to Commission Staff's second request for information are true and correct to the best of his knowledge and belief.



Mark A. Martin

STATE OF Kentucky
COUNTY OF Daviess

SUBSCRIBED AND SWORN to before me by Mark A. Martin on this the 20th day of August, 2013.

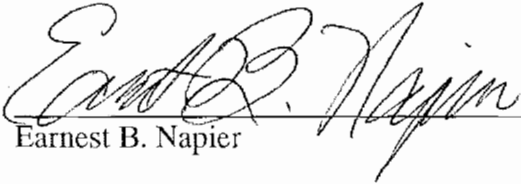

Notary Public - State of Kentucky at Large
My Commission Expires: Sept. 26, 2013
Notary ID: 403674

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF)
RATE APPLICATION OF) Case No. 2013-00148
ATMOS ENERGY CORPORATION)

AFFIDAVIT

The Affiant, Earnest B. Napier, being duly sworn, deposes and states that the attached responses to Commission Staff's second request for information are true and correct to the best of his knowledge and belief.

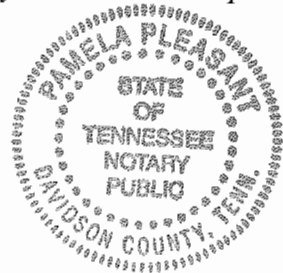

Earnest B. Napier

STATE OF Tennessee
COUNTY OF Williamson

SUBSCRIBED AND SWORN to before me by Earnest B. Napier on this the 22 day of August, 2013.


Notary Public

My Commission Expires: May 3, 2016



COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF)
RATE APPLICATION OF) Case No. 2013-00148
ATMOS ENERGY CORPORATION)

AFFIDAVIT

The Affiant, Paul H. Raab, being duly sworn, deposes and states that the attached responses to Commission Staff's second request for information are true and correct to the best of his knowledge and belief.



Paul H. Raab

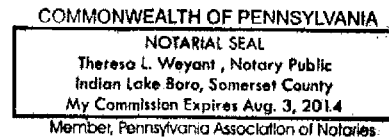
STATE OF PENNSYLVANIA
COUNTY OF SOMERSET

SUBSCRIBED AND SWORN to before me by Paul H. Raab on this the 20th day of August, 2013.



Notary Public

My Commission Expires: 8-03-14



COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF)
RATE APPLICATION OF) Case No. 2013-00148
ATMOS ENERGY CORPORATION)

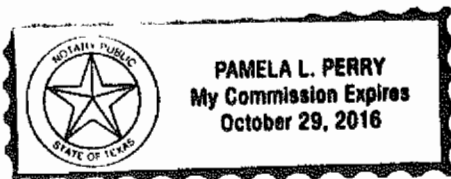
AFFIDAVIT

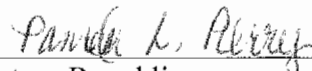
The Affiant, Jason L. Schneider, being duly sworn, deposes and states that the attached responses to Commission Staff's second request for information are true and correct to the best of his knowledge and belief.


Jason L. Schneider

STATE OF Texas
COUNTY OF Dallas

SUBSCRIBED AND SWORN to before me by Jason L. Schneider on this the 19th day of August, 2013.




Notary Republic
My Commission Expires: 10-29-16

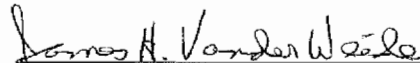
COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF)
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ATMOS ENERGY CORPORATION)

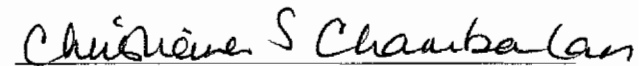
AFFIDAVIT

The Affiant, James H. Vander Weide, PH.D., being duly sworn, deposes and states that the attached responses to Commission Staff's second request for information are true and correct to the best of his knowledge and belief.


James H. Vander Weide, PH.D.

STATE OF NORTH CAROLINA
COUNTY OF DURHAM

SUBSCRIBED AND SWORN to before me by James H. Vander Weide, PH.D. on this the 20 day of August, 2013.


Notary Republic
My Commission Expires: 8/18/14



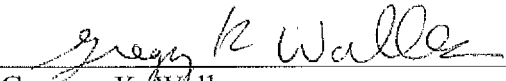
COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF)
RATE APPLICATION OF) Case No. 2013-00148
ATMOS ENERGY CORPORATION)

AFFIDAVIT

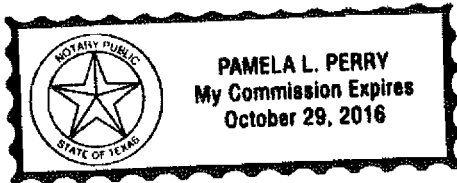
The Affiant, Gregory K. Waller, being duly sworn, deposes and states that the attached responses to Commission Staff's second request for information are true and correct to the best of his knowledge and belief.




Gregory K. Waller

STATE OF Texas
COUNTY OF Dallas

SUBSCRIBED AND SWORN to before me by Gregory K. Waller on this the ____ day of August, 2013.





Notary Public
My Commission Expires: 10-29-16

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF)
RATE APPLICATION OF) Case No. 2013-00148
ATMOS ENERGY CORPORATION)

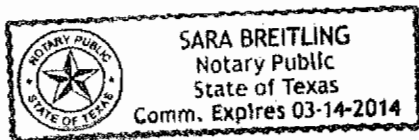
AFFIDAVIT

The Affiant, Dane A. Watson, being duly sworn, deposes and states that the attached responses to Commission Staff's second request for information are true and correct to the best of his knowledge and belief.

Dane A. Watson
Dane A. Watson

STATE OF TEXAS
COUNTY OF COLLIN

SUBSCRIBED AND SWORN to before me by Dane A. Watson on this the 19th day of August, 2013.



Sara Breitling
Notary Republic
My Commission Expires: 3/14/14

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-01
Page 1 of 2

REQUEST:

Refer to Atmos's proposed tariffs. State whether Atmos is willing to revise the following proposed tariff sheets to remove the word "penalty":

- a. Sheet No. 9, 6.; Sheet No. 50, 10.; Sheet No. 58, 10.; and Sheet No. 70, k), Late Payment Charge sections.
- b. Sheet No. 13, 8. and 10., Penalty for Unauthorized Overruns and Late Payment Charge sections.
- c. Sheet No. 48, U) regarding customers' responsibility for incremental pipeline or supplier charges.
- d. Sheet No. 49, c), regarding customer's failure to comply with a Company Curtailment Order.
- e. Sheet No. 56, 7. b), Curtailment section.
- f. Sheet No. 88, a), Penalty for Unauthorized Overruns.

RESPONSE:

The Company is not opposed to removing the term "penalty", but suggest replacing the term "penalty" with additional verbage. Attached are revised Sheet Nos. 9, 50, 58, and 70.

- a) Please see Attachment 1 for the revised tariff Sheet Nos. 9, 50, 58 and 70.
- b) Please see Attachment 2 for the revised tariff Sheet No. 13.
- c) Please see Attachment 3 for the revised tariff Sheet No. 48.
- d) Please see Attachment 4 for the revised tariff Sheet No. 49.
- e) Please see Attachment 5 for the revised tariff Sheet No. 56.
- f) Please see Attachment 6 for the revised tariff Sheet No. 88.

ATTACHMENTS:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-01_Att1 - Revised Proposed Sheets 9, 50, 58, 70.pdf, 4 Pages.

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-01
Page 2 of 2

ATTACHMENT 2 - Atmos Energy Corporation, Staff_2-01_Att2 - Revised Proposed Sheet 13.pdf, 1 Page.

ATTACHMENT 3 - Atmos Energy Corporation, Staff_2-01_Att3 - Revised Proposed Sheet 48.pdf, 1 Page.

ATTACHMENT 4 - Atmos Energy Corporation, Staff_2-01_Att4 - Revised Proposed Sheet 49.pdf, 1 Page.

ATTACHMENT 5 - Atmos Energy Corporation, Staff_2-01_Att5 - Revised Proposed Sheet 56.pdf, 1 Page.

ATTACHMENT 6 - Atmos Energy Corporation, Staff_2-01_Att6 - Revised Proposed Sheet 88.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 9

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

General Firm Sales Service

Rate G-1

4. Net Monthly Bill

The Net Monthly Bill shall be equal to the sum of the Base Charge, Distribution Charge, the Gas Cost Adjustment (GCA) Rider, and other riders applicable by class of service.

5. Service Period

Open order. However, the Company may require a special written contract for large use or abnormal service requirements. This contract shall include provisions for load limitations and for curtailment or interruptions as necessary, at the discretion of the Company, to prevent the load adversely affecting firm service customers in the area

6. Late Payment Charge

A late payment charge may be assessed if a customer fails to pay a bill for services by the due date shown on the customer's bill. The charge may be assessed only once on any bill for rendered services. Any payment received shall first be applied to the bill for services rendered. Additional charges shall not be assessed on the unpaid late payment charge. (T)
(T)
(D)
(T)

7. Rules and Regulations

Service furnished under this schedule is subject to the Company's Rules and Regulations and to applicable rate and rider schedules. No gas delivered under this rate schedule and applicable contract shall be available for resale to anyone other than an end-user for use as a motor vehicle fuel. (T)

DATE OF ISSUE May 13, 2013
Month/Date/Year

DATE EFFECTIVE June 13, 2013
Month/Date/Year

Issued by Authority of an Order of the Public Service Commission in
Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 50

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Interruptible Transportation Service

Rate T-3

9. Terms and Conditions

- a) Specific details relating to volume, delivery point and similar matters may be covered by a separate written contract or amendment with the customer.
- b) The Company will not be obligated to deliver a total supply of gas to the customer in excess of the customer's maximum daily transportation volumes. The Company has no obligation under this tariff to provide any sales gas to the customer.
- c) It shall be the customer's responsibility to make all necessary arrangements, including obtaining any regulatory approval required, to deliver gas under this Interruptible Transportation Service Rate to the facilities of the Company.
- d) The Company reserves the right to refuse to accept gas that does not meet the Company's quality specifications.
- e) The Rules and Regulations and Orders of the Kentucky Public Service Commission and of the Company and the Company's General Terms and Conditions applicable to the Company's Sales Tariff Rates shall likewise apply to these Transportation Service Rates and all contracts and amendments there under.
- f) In the event the customer loses its gas supply, it may be allowed a reasonable time in which to secure replacement volumes (up to the contract daily transportation quantity), subject to provisions of Section 5 of this tariff.

A "reasonable time" will be, except when precluded by operational constraints, matched to the make-up grace period by the respective interstate pipeline transporter.
- g) The customer will be solely responsible to correct, any imbalances it has caused on the applicable pipeline's system.

10. Late Payment Charge

A late payment charge may be assessed if a customer fails to pay a bill for services by the due date shown on the customer's bill. The charge may be assessed only once on any bill for rendered services. Any payment received shall first be applied to the bill for service rendered. Additional charges shall not be assessed on the unpaid late payment charge.

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ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 58

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Firm Transportation Service

Rate T-4

10. Late Payment Charge

A late payment charge may be assessed if a customer fails to pay a bill for services by the due date shown on the customer's bill. The charge may be assessed only once on any bill for rendered services. Any payment received shall first be applied to the bill for service rendered. Additional charges shall not be assessed on the unpaid late payment charge. (T)
(T)
(D)
(T)

11. Alternative Fuel Responsive Flex Provision

Notwithstanding any other provision of this tariff, the Company may, periodically, flex the applicable Distribution Charge on a customer specific basis if, a customer presents sufficient reliable and persuasive information to satisfactorily prove to the Company that alternative fuel, usable by the customer's facility, is readily available, in both advantageous price and adequate quantity, to completely or materially displace the gas service that would otherwise be facilitated by this tariff. The customer shall submit the appropriate information by affidavit on a form on file with the Commission and provided by the Company. The Company may require additional information to evaluate the merit of the flex request.

Pursuant to this Section, the Company may flex the otherwise applicable transportation rate to allow the delivered cost of gas to approximate the customer's total cost, including handling and storage charges, of available alternative fuel. The minimum flexed rate shall be the non-commodity component of the customer's otherwise applicable rate.

The Company will not flex for volumes which, if delivered, would exceed either (1) the current operable alternative fuel fired capability of the customer's facilities, or (2) the energy equivalent of the quantity of alternative fuel available to the customer, whichever is less. The Company reserves the right to confirm, to its satisfaction, the customer's alternative fuel capability and the reasonableness of the represented price and quantity of available alternative fuel.

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ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 70

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Rules and Regulations

- k) Late Payment Charge. A late payment charge may be assessed if a customer fails to pay a bill for services by the due date shown on the customer's bill. The charge may be assessed only once on any bill for rendered services. Any payment received will first be applied to the bill for services rendered. Additional charges will not be assessed on the unpaid late payment charge. (T) (D)
- l) Door Tag Fee. A charge may be assessed when the Company makes a trip to the Customer's premise to leave a door tag notifying the Customer of possible disconnection. (No such charge may be assessed until the amount of the charge is approved or otherwise accepted by the Commission.) (T) (T)

7. Customer Complaints to The Company

Upon complaint to the Company by a customer at the Company's office, by telephone or in writing, the Company shall make a prompt and complete investigation and advise the customer of its finding. The Company shall keep a record of all written complaints concerning its service. This record shall include: (T)

- (a) The customer's name and address; (T)
(b) The date and nature of the complaint; and (T)
(c) The disposition of the complaint (T)

Records shall be maintained for two (2) years from the date of resolution of the complaint. If a written complaint or a complaint made in person at the Company's office is not resolved, the Company shall provide written notice to the customer of his or her right to file a complaint with the Commission, and shall provide the customer with the mailing address, Web site address and telephone number of the Commission. If a telephonic is not resolved, the Company shall provide at least oral notice to the customer of his or her right to file a complaint with the Commission and the mailing address, Web site address and telephone number of the Commission. (T)

8. Bill Adjustments

- a) If upon periodic test, request test, or complaint test, a meter in service is found to be more than two (2) percent fast, additional tests shall be made to determine the average error of the meter. The test will be made in accordance with Commission regulations applicable to the type of meter involved.

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Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 13

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Interruptible Sales Service
Rate G-2

8. Charge for Unauthorized Overruns

- a) In the event a customer fails in part or in whole to comply with a Company Curtailment Order either as to time or volume of gas used or uses a greater quantity of gas than its allowed volume under terms of the Curtailment Order, the Company may, at its sole discretion, apply a rate of up to \$15.00 per Mcf. (D)
- b) In addition to other tariff provisions, the customer shall be responsible for any incremental charges assessed by the interstate pipeline(s) or suppliers resulting from the customer's failure to comply with terms of a Company Curtailment Order. (D)
- c) The payment of these charges shall not be considered as giving any customer the right to take unauthorized volumes of gas nor shall such charges be considered as a substitute for any other remedy available to the Company. (D)

9. Special Provisions

- a) A written contract with a minimum term of one year shall be required.
- b) The Rules and Regulations and Orders of the Public Service Commission and of the Company and the Company's general terms and conditions applicable to industrial and commercial sales, shall apply to this rate schedule and all contracts there under.
- c) No gas delivered under this rate schedule and applicable contract shall be available for resale to anyone other than an end-user for use as a motor vehicle fuel. (T)

10. Late Payment Charge

A late payment charge may be assessed if a customer fails to pay a bill for services by the due date shown on the customer's bill. The charge may be assessed only once on any bill for rendered services. Any payment received shall first be applied to the bill for service rendered. Additional charges shall not be assessed on the unpaid late payment charge. (T)
(T)
(D)
(T)

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ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 48

ATMOS ENERGY CORPORATION
 (NAME OF UTILITY)

Interruptible Transportation Service

Rate T-3

b) "Cash out" Method

Imbalance volumes	Negative Imbalances Cash-Out Price	Positive Imbalances Cash-Out Price
First ¹ 5% of Dth _{Customer}	@ 100% of Index Price ²	@ 100% of Index Price
Next ¹ 5% of Dth _{Customer}	@ 110% of Index Price ²	@ 90% of Index Price
Over ¹ 10% of Dth _{Customer}	@ 120% of Index Price ²	@ 80% of Index Price

¹ Not to exceed Imbalance volumes

² The index price will equal the effective "Cash out" index price in effect for the transporting pipeline or as filed with the Commission by the Company.

c) Customer will be reimbursed for all pipeline transportation commodity charges applying to cash out volumes. However, the reimbursement will not exceed pipeline transportation commodity charges the Company would have incurred to transport the "Cash Out" volumes.

d) In addition to other tariff provisions, the customer shall be responsible for any incremental charges assessed by the pipeline(s) and/or suppliers resulting from the customer's failure to match volumes that the customer had delivered to the Company's facilities with volumes the Company delivered into customer's facilities.

e) Customer may, by written agreement with the Company, arrange to "park" positive imbalance volumes, up to 10% of "Dth_{Company}", on a monthly basis at \$0.10/Dth per month. The parking service will be provided on a "best efforts" basis by the Company. Parked volumes will be deemed "first through the meter" delivered to the Customer in the month following delivery to the Company on the Customer's account.

7. Curtailment

a) The Company shall have the right at any time without liability to the customer to curtail or to discontinue the delivery of gas entirely to the customer for any period of time when such curtailment or discontinuance is necessary to protect the requirements of domestic and commercial customers; to avoid an increased maximum daily demand in the Company's gas purchases; to avoid excessive peak load and demands upon the gas transmission or distribution system; to relieve

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 Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 49

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Interruptible Transportation Service

Rate T-3

system capacity constraints; to comply with any restriction or curtailment of any governmental agency having jurisdiction over the Company or its supplier or to comply with any restriction or curtailment as may be imposed by the Company's supplier; to protect and insure the operation of the Company's underground storage system; for any causes due to force majeure (which includes acts of God; strikes, lockouts, civil commotion, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, etc.); and for any other necessary or expedient reason at the discretion of the Company.

- b) All curtailments or interruptions shall be in accordance with and subject to the Company's "Curtailment Order" as contained in Section 35 of its Rules and Regulations as filed with and approved by the Public Service Commission.
- c) In the event a customer fails in part or in whole to comply with a Company Curtailment Order either as to time or volume of gas used or uses a greater quantity of gas than its allowed volume under terms of the Curtailment Order, the Company may, at its sole discretion, apply a rate of up to \$15.00 per Dth. In addition to other tariff penalty provisions, the customer shall be responsible for any incremental charges assessed by the pipeline(s) or supplier(s) resulting from the customer's failure to match volumes that the customer had delivered to the Company's facilities with volumes the Company delivered into customer's facilities. (D)

8. Special Provisions

It will be the responsibility of the customer to pay all costs for additional facilities and/or equipment which will be required as a result of receiving service under this Interruptible Transportation Service Rate T-3. Electronic flow measurement ("EFM") equipment is required to be installed, maintained, and operated by the Company to obtain transportation service. The customer is responsible for providing the electric and communications support services related to the EFM equipment. Customers required to install EFM may elect the optional monthly EFM facilities charge. NOTE: Customers utilizing this service as of July 1, 2007, whose contractual requirements with the Company are less than 100 Mcf/day, are not required to have EFM equipment; however, such customers may, at their option, elect to install EFM equipment under the same provisions set forth above.

No gas delivered under this rate schedule and applicable contract shall be available for resale to anyone other than an end-user for use as a motor vehicle fuel.

Refer to Transportation Pooling for the option of participating in a Transportation Pooling Service.

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ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 56

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Firm Transportation Service

Rate T-4

7. Curtailment

- a) All curtailments or interruptions shall be in accordance with and subject to the Company's "Curtailment Order" as contained in Section 35 of its Rules and Regulations as filed with and approved by the Public Service Commission and for any causes due to force majeure (which includes acts of God; strikes, lockouts, civil commotion, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, etc.); and for any other necessary or expedient reason at the discretion of the Company.
- b) In the event a customer fails in part or in whole to comply with a Company Curtailment Order either as to time or volume of gas used or uses a greater quantity of gas than its allowed volume under terms of the Curtailment Order, the Company may, at its sole discretion, apply a rate of up to \$15.00 per Dth. In addition to other tariff penalty provisions, the customer shall be responsible for any incremental charges assessed by the pipeline(s) or supplier(s) resulting from the customer's failure to match volumes that the customer had delivered to the Company's facilities with volumes the Company delivered into customer's facilities. (D)

8. Special Provisions

It will be the responsibility of the customer to pay all costs for additional facilities and/or equipment which will be required as a result of receiving service under this Firm Transportation Service Rate T-4. Electronic flow measurement ("EFM") equipment is required to be installed, maintained, and operated by the Company to obtain transportation service. The customer is responsible for providing the electric and communications support services related to the EFM equipment. Customers required to install EFM may elect the optional monthly EFM facilities charges. NOTE: Customers utilizing this service as of July 1, 2007, whose contractual requirements with the Company are less than 100 Mcf/day, are not required to have EFM equipment; however, such customers may, at their option, elect to install EFM equipment under the same provisions set forth above.

No gas delivered under this rate schedule and applicable contract shall be available for resale to anyone other than an end-user for use as a motor vehicle fuel.

Refer to Transportation Pooling for the option of participating in a Transportation Pooling Service.

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Issued by Authority of an Order of the Public Service Commission in
Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 88

ATMOS ENERGY CORPORATION

(NAME OF UTILITY)

Rules and Regulations

The Company and a customer may agree, by contract, to a lower curtailment priority than would otherwise apply under the foregoing curtailment sequence.

If the gas supply is inadequate to fulfill only the partial requirements of a priority category then curtailment to customers in that category will be administered on a continuing basis.

Transportation Service

Transportation services will be curtailed under the following conditions:

- 1 – Due to capacity constraints on the Company’s system.
- 2 – Due to capacity constraints on the transporter’s system.
- 3 – During temporary gas supply emergency on the Company’s system.
- 4 – When the Company is unable to confirm that the customer’s gas supply is actually being delivered to the system.

a) Charge for Unauthorized Overruns

(T)

In the event a customer fails in part or in whole to comply with a Company Curtailment Order either as to time or volume of gas used or uses a greater quantity of gas than its allowed volume under terms of the Curtailment Order, the Company may, at its sole discretion, apply a rate of up to \$15.00 per Mcf.

(D)

In addition to other tariff provisions, the customer shall be responsible for any charge(s) assessed by the interstate pipeline(s) or suppliers resulting from the customer’s failure to comply with terms of a Company Curtailment Order.

(D)

The payment of these charges shall not be considered as giving any customer the right to take unauthorized volumes of gas, nor shall such charges be considered as a substitute for any other remedy available to the Company

(T)

(D)

b) Discontinuance of Service

The Company shall have the right, after reasonable notice to discontinue the gas supply of any customer that fails to comply with a valid curtailment order

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ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-02
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 9, 7. Rules and Regulations and the Testimony of Mark A. Martin ("Martin Testimony"). Explain the proposed addition regarding the resale of gas for use as motor vehicle fuel and under what circumstances a G-1 customer would be able to offer natural gas as a motor vehicle fuel.

RESPONSE:

As mentioned on Page 31, Lines 3-19 of Mr. Martin's Direct Testimony, the Company is proposing to insert the same language from its T-3 and T-4 tariffs into its G-1 and G-2 tariffs. The Company is proposing such a change in order to allow greater flexibility for its customers to be able to offer compressed natural gas (CNG) service. Currently, a customer would have to qualify for transportation service in order to offer CNG service. As demand for CNG service continues to grow, the Company did not want its tariffs to be an obstacle for customers to offer such service. If approved as proposed, any customer would be able to offer CNG service.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-03
Page 1 of 2

REQUEST:

Refer to proposed Sheet No. 14, Weather Normalization Adjustment Rider ("WNA").

- a. Identify and describe the specific NOAA data used for purposes of calculating the WNA.
- b. State whether Atmos is willing to remove the time period of 1981-2010 from the definition of NDD and to use the most current climate data available to weather normalize customer bills. If not, explain.
- c. State whether Atmos has considered proposing the use of a time period shorter than 30 years for calculating its WNA.
- d. Explain the impact of determining base loads and heat sensitivity factors by customer class on individual bills of customers using significantly more or less than the class average.
 - (1) Provide example calculations showing the impact of the class average calculations on bills of customers with usage levels at the low and high end of the range of realistic individual customer usage.
 - (2) Provide for comparison purposes with part 1) above an example calculation showing the impact on customer bills if each customer's bills were weather-adjusted based on his or her own base load and heat sensitivity factor.
- e. Explain what time periods are used for calculating customer class base load and sensitivity factors.

RESPONSE:

- a) For the WNA calculations, the Company receives actual HDD updates each day from NOAA for the following first order weather stations: Louisville International Airport, Evansville Regional Airport, Paducah Barkley Regional Airport, Lexington Bluegrass Airport and Nashville International Airport. Upon receipt, the Company calculates the composite daily HDDs in accord with factors from Case No. 2010-00243. For the customer's specific billing cycle, composite actual HDDs and composite normal HDDs (from Case No. 2011-00205) are utilized in the WNA calculations.

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- b) The Company believes it is essential that the WNA tariff synchronize its defined normal HDDs with those utilized in the establishment of base rates in a rate case. If the Commission chooses to apply a period different than the Company's proposed period of 1981-2010 in this case, then the approved period should be stated and unaltered in the WNA tariff until a subsequent rate case.
- c) Atmos Energy has not considered the use of a time period shorter than 30 years for calculating its WNA in Kentucky.
- d) For purposes of the requested example calculations, the Company modeled a low-use residential customer (at 1/2 the average base load and heating load), a high-use customer (at 2 times the average base load and heating load) and a heating-only customer for a December period at 80%, 100% and 120% of normal HDDs. Please see Attachment 1 for the results.
- e) The time period proposed in this Case is January - December 2012 and are computed as shown on MAM-4, pages 2-4. For additional information, please see the Company's response to Staff DR No. 2-26.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Att1 - Staff_2-03_Att1 - WNA Example Calculations.xlsx, 2 Pages.

Respondent: Mark Martin

Atmos Energy Corporation, Kentucky/Mid-States Division
Kentucky Jurisdiction Case No. 2013-00148
WNA Example Calculations - Applying Class Factors

Line #	(a) Description	(b) Calculation	(c) Proposed WNA Factors	(d) Low use customer	(e) High use customer	(f) Heating-only customer
1	BL per month (Mcf)		1.0790	0.5395	2.1580	-
2	HL per HDD (Mcf)		0.0122	0.0061	0.0244	0.0122
3						
4	Normal December HDDs*		686	686	686	686
5	Prop. Distribution Charge/Mcf		\$1.6320	\$1.6320	\$1.6320	\$1.6320
6						
7	80% Normal Dec HDDs	Line 4 x 80%		549	549	549
8	Expected Usage (Mcf)	Line 1 + (Line 2 x Line 7)		3.9	15.6	6.7
9	WNA calculation per Mcf	WNA tariff @ prop factors		\$0.35	\$0.35	\$0.35
10	WNA billed	Line 9 x Line 8		\$1.36	\$5.46	\$2.35
11						
12	100% Normal Dec HDDs	Line 4 x 100%		686	686	686
13	Expected Usage (Mcf)	Line 1 + (Line 2 x Line 12)		4.7	18.9	8.4
14	WNA calculation per Mcf	WNA tariff @ prop factors		\$0.00	\$0.00	\$0.00
15	WNA billed	Line 14 x Line 13		\$0.00	\$0.00	\$0.00
16						
17	120% Normal Dec HDDs	Line 4 x 120%		823	823	823
18	Expected Usage (Mcf)	Line 1 + (Line 2 x Line 17)		5.6	22.2	10.0
19	WNA calculation per Mcf	WNA tariff @ prop factors		-\$0.25	-\$0.25	-\$0.25
20	WNA billed	Line 19 x Line 18		-\$1.36	-\$5.46	-\$2.46

* Assume cycle from November 16th to December 15th

Atmos Energy Corporation, Kentucky/Mid-States Division
Kentucky Jurisdiction Case No. 2013-00148
WNA Example Calculations - Applying Specific Customer Factors

Line #	(a) Description	(b) Calculation	(d) Low use customer	(e) High use customer	(f) Heating-only customer
1	BL per month (Mcf)		0.5395	2.1580	-
2	HL per HDD (Mcf)		0.0061	0.0244	0.0122
3					
4	Normal December HDDs*		686	686	686
5	Prop. Distribution Charge/Mcf		\$1.6320	\$1.6320	\$1.6320
6					
7	80% Normal Dec HDDs	Line 4 x 80%	549	549	549
8	Expected Usage (Mcf)	Line 1 + (Line 2 x Line 7)	3.9	15.6	6.7
9	WNA calculation per Mcf	WNA tariff @ cust factors	\$0.35	\$0.35	\$0.41
10	WNA billed	Line 9 x Line 8	\$1.36	\$5.46	\$2.73
11					
12	100% Normal Dec HDDs	Line 4 x 100%	686	686	686
13	Expected Usage (Mcf)	Line 1 + (Line 2 x Line 12)	4.7	18.9	8.4
14	WNA calculation per Mcf	WNA tariff @ cust factors	\$0.00	\$0.00	\$0.00
15	WNA billed	Line 14 x Line 13	\$0.00	\$0.00	\$0.00
16					
17	120% Normal Dec HDDs	Line 4 x 120%	823	823	823
18	Expected Usage (Mcf)	Line 1 + (Line 2 x Line 17)	5.6	22.2	10.0
19	WNA calculation per Mcf	WNA tariff @ cust factors	-\$0.25	-\$0.25	-\$0.27
20	WNA billed	Line 19 x Line 18	-\$1.36	-\$5.46	-\$2.73

* Assume cycle from November 16th to December 15th

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-04
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 36. State whether the DSM Lost Sales Adjustment will be re-set to \$0.0000 when new rates are approved for Atmos as a result of this rate proceeding.

RESPONSE:

Yes. The DSM Lost Sales Adjustment component will re-set to \$0.0000 when new rates are approved for the Company as a result of this rate proceeding.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-05
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 42, Margin Loss Rider.

- a. Explain whether Atmos has received expressions of interest from any potential customer for the Economic Development Rider.
- b. Explain how lost revenues due to the Alternative Fuel Responsive Flex Provisions and negotiated rates with bypass candidates are currently handled.

RESPONSE:

- a) Yes, the Company has received some interest in the Economic Development Rider.
- b) If the Company lost distribution margin due to either the FLEX provision or through entering into a new special contract, the reduced margin would be borne exclusively by the Company until new base rates were established in a subsequent rate case.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-06
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 43, System Development Rider ("SDR").

- a. Explain how Atmos plans to distinguish system improvements to be recovered through the proposed SDR from system improvements undertaken in the ordinary course of business or as part of the Pipeline Replacement Program ("PRP").
- b. State whether Atmos anticipates filing for Certificates of Public Convenience and Necessity pursuant to KRS 278.020 and 807 KAR 5:001, Section 15(2) in conjunction with its annual SDR filings. If not, explain.

RESPONSE:

- a) The SDR is designed to recover specific investment related to economic development initiatives for overall system improvement and/or reliability and that cannot be directly assigned to a customer or a group of customers. The SDR is intended to encourage industrial development, infrastructure investment and job growth within the Company's service areas. The Company would isolate any SDR project just as it isolates PRP projects today. No system improvements that would occur in the ordinary course of business would be included in the SDR. The Company would provide exactly the same information for any proposed SDR filing as the Company currently provides for its annual PRP filings.
- b) If the Company needs to file for a Certificate of Public Convenience and Necessity (Certificate) for a specific SDR project, then yes, the Company would seek such in conjunction with its annual SDR filing. A SDR project may currently be within a certificated area of the Company, but for a project that is not, then the Company would file for a Certificate pursuant to KRS 278.020 and 807 KAR 5:001, Section 15(2).

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-07
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheets No. 48, section b) and No. 55, section b) "Cash out" Method at the top of each page. State whether column 2 should be labeled "Positive Imbalances Cash-Out Prices" (emphasis added).

RESPONSE:

Yes, the Company apologizes for the typographical error. Please see Attachment 1 for corrected tariff sheets.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-07_Att1 - Revised Proposed Sheets 48 and 55.pdf, 2 Pages.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 48

ATMOS ENERGY CORPORATION

(NAME OF UTILITY)

Interruptible Transportation Service

Rate T-3

b) "Cash out" Method

<u>Imbalance volumes</u>	<u>Negative Imbalances</u>	<u>Positive Imbalances</u>
	<u>Cash-Out Price</u>	<u>Cash-Out Price</u>
First ¹ 5% of Dth _{Customer}	@ 100% of Index Price ²	@ 100% of Index Price
Next ¹ 5% of Dth _{Customer}	@ 110% of Index Price ²	@ 90% of Index Price
Over ¹ 10% of Dth _{Customer}	@ 120% of Index Price ²	@ 80% of Index Price

¹ Not to exceed Imbalance volumes

² The index price will equal the effective "Cash out" index price in effect for the transporting pipeline or as filed with the Commission by the Company.

c) Customer will be reimbursed for all pipeline transportation commodity charges applying to cash out volumes. However, the reimbursement will not exceed pipeline transportation commodity charges the Company would have incurred to transport the "Cash Out" volumes.

d) In addition to other tariff provisions, the customer shall be responsible for any incremental charges assessed by the pipeline(s) and/or suppliers resulting from the customer's failure to match volumes that the customer had delivered to the Company's facilities with volumes the Company delivered into customer's facilities.

e) Customer may, by written agreement with the Company, arrange to "park" positive imbalance volumes, up to 10% of "Dth_{Company}", on a monthly basis at \$0.10/Dth per month. The parking service will be provided on a "best efforts" basis by the Company. Parked volumes will be deemed "first through the meter" delivered to the Customer in the month following delivery to the Company on the Customer's account.

7. Curtailment

a) The Company shall have the right at any time without liability to the customer to curtail or to discontinue the delivery of gas entirely to the customer for any period of time when such curtailment or discontinuance is necessary to protect the requirements of domestic and commercial customers; to avoid an increased maximum daily demand in the Company's gas purchases; to avoid excessive peak load and demands upon the gas transmission or distribution system; to relieve

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ISSUED BY /s/ Mark A. Martin
 Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-08
Page 1 of 1

REQUEST:

Refer to tariff Sheet No. 59, Alternate Receipt Point Service. State whether revisions are required in the second lines of the Applicable and Net monthly Rate sections to reflect past changes in Atmos's transportation tariffs.

RESPONSE:

Yes. Please see Attachment 1 for a revised tariff Sheet No. 59.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-08_Att1 - Revised Proposed Sheet 59.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 59

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Alternate Receipt Point Service

Rate T-5

1. Applicable

Entire service area of the Company to any customer, subject to limitations noted below, for that portion of the customer's Rate T-3 or Rate T-4 requirements. (D)

2. Availability of Service

- a) Available, subject to restrictions noted below, to any customer utilizing transportation or carriage services, on an individual service at the same premise, who has purchased its own supply of natural gas and requests delivery to the Company at a receipt point other than the Company's interconnection with the pipeline, or supplier immediately upstream of customer's premises, or the receipt point designated as the primary receipt point in such customer's contract with the Company.
- b) The alternate receipt point through which service is requested must be physically accessible via the Company's existing pipeline system upstream of the delivery point to the customer's facilities.
- c) The Company shall determine the portions of its system to which access may be granted to a specific Alternate Receipt Point.
- d) Access to certain alternate receipt points may be limited or restricted altogether by the Company.
- e) Availability of service is contingent upon the Company's determination that such service is available through existing facilities.
- f) The Company may decline to initiate service to a customer under this tariff, if in the Company's judgment, the performance of such service would be contrary to good operating practice or would have a detrimental impact on other customers serviced by the Company.

3. Net monthly Rate

In addition to any and all charges assessed by other parties, and in addition to the charges applicable to Customer associated with their Rate T-3 or Rate T-4 requirements, the following supplemental administrative charge will be applied during months in which volumes are received and transported from the Alternate Receipt Point: (T)

- a) Administrative Charge @ \$50.00 per month

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Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-09
Page 1 of 1

REQUEST:

Refer to the 1-4 Firm Transportation Service and 1-3 Interruptible Transportation Service tariffs and to pages 32 - 34 of the Martin Testimony. Explain what consideration Atmos has given to lowering the volumetric requirements of its transportation tariffs to make transportation service available to more customers. The explanation should include all volumetric levels considered below the current requirement of 9,000 Mcf per year, how many customers would be eligible at each level, and why lower levels were rejected.

RESPONSE:

The Company believes that its existing eligibility threshold is at an appropriate level. The Company has established a volumetric eligibility threshold of 9,000 Mcf per year for a customer to subscribe to transportation service. The Company believes that the existing volumetric threshold is the appropriate level at which customers could achieve savings by using transportation service. While no formal studies have been done, it is somewhat intuitive that there is a point of diminishing returns depending on a customer's usage in which savings can be achieved under transportation service. In addition, there are also up-front costs, such as electronic flow metering (EFM), monthly administration fees and potential cashout obligations which may make transportation service cost prohibitive. The Company also has approximately thirty (30) customers that qualify for transportation service but choose to stay on sales service which further indicates the existing eligibility threshold is at an appropriate level.

Respondent: Mark Martin

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-10
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REQUEST:

Enumerate and describe the customer characteristics and desires for expanded service offerings Atmos has considered with regard to its transportation services. Include any communication with existing and potential transportation customers concerning their eligibility, or lack thereof, for transportation service, and the value that transportation service represents to those customers

RESPONSE:

As stated in the Company's response to Staff DR No. 2-09, the Company believes that its existing eligibility threshold is at an appropriate level. The value of transportation service is unique to each customer and based on factors including usage and pricing/services provided by the marketer.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-11
Page 1 of 1

REQUEST:

Explain whether Atmos has received requests for transportation service at any time in the last five years from non-residential customers whose usage would make them ineligible for existing transportation service. If yes, provide details concerning when, how many, and the usage level of each inquiring customer.

RESPONSE:

The Company has received a few requests over the last five years. Below are the details concerning each request.

- Sun Windows (Owensboro)
 - Approximately 3 years ago.
 - Usage: Averages approximately 4,500 mcf/yr.

- TJ Samson Hospital (Glasgow)
 - One meter currently qualifies and DOES transport.
 - 2nd meter - they requested transport. It does not qualify.
 - Usage: Approximately 5,000 mcf/yr.

- Flexcel (Danville)
 - Approximately 2.5 years ago.
 - Informal inquiry about transport service.
 - Usage: Averages approximately 7,000 mcf/yr.

- Owensboro Medical Health Park (Owensboro)
 - Approximately 1 year ago.
 - Usage: Approximately 6,000 mcf/yr.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-12
Page 1 of 1

REQUEST:

Refer to the Door Tag Fee set out on proposed tariff Sheet Nos. 63 and 70 and to pages 31-32 of the Martin Testimony.

- a. Describe the frequency of customers' failure to appear at agreed appointment times as described on Sheet 70 of the proposed tariff.
- b. Explain why the description of the necessity of the proposed Door Tag Fee in the testimony is different from the description of the activity giving rise to the fee on Sheet 70 of the proposed tariff. State under what circumstances the fee is proposed to be charged.
- c. Indicate where cost support for the proposed Door Tag Fee is located in Atmos's application.

RESPONSE:

- a) The frequency tends to be weather dependent. The colder the weather, the least likely a customer fails to appear at an agreed to appointment time. Please note that the tariff language on Sheet No. 70 is not consistent with the testimony of Mr. Martin. Part b. below provides an explanation of the discrepancy.
- b) Unfortunately, the description of the Door Tag Fee Sheet No. 70 is not consistent with the testimony of Mr. Martin. The Company apologizes for any confusion. The Door Tag Fee is only designed for those situation in which a customer has become delinquent. Once a customer becomes delinquent, the Company sends the customer a letter after five or ten days depending on their pay history with the Company, notifying the customer of their delinquent status. The door tag fee will provide the Company the option to, additionally, make a trip to the customer's premise and leave a door tag notifying the customer of possible disconnection. The proposed fee, while nominal, is designed to help offset the cost of dispatching an employee to the customer's premise to leave the door tag. The intent of the door tags is to benefit customers by preventing disconnection. The modest door tag charge would potentially eliminate more costly reconnection charges for the customer.
- c) There is no cost support for the proposed Door Tag Fee in the Company's application. The proposed fee, while nominal, is designed to help offset the cost of dispatching an employee to the customer's premise to leave the door tag.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-13
Page 1 of 1

REQUEST:

Explain whether Atmos proposes to assess the \$10 Door Tag Fee if the customer calls to cancel or reschedule the appointment.

RESPONSE:

The Company will only assess a Door Tag Fee if a door tag is hung.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-14
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 67, 5. b) under Deposits. Confirm that a renter not otherwise falling under the deposit requirements of 1.1 2. or 4. will not be charged a deposit solely due to his or her status as a renter, which is not permitted by Commission regulation.

RESPONSE:

The Company was not aware of the referenced regulation and has removed the reference from our tariff. Please see Attachment 1 for a revised Sheet No. 67.

ATTACHMENT:

ATTACHMENT 1 -- Atmos Energy Corporation, Staff_2-14_Att1 - Revised Proposed Sheet 67.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 67

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Rules and Regulations

5. Deposits

- a) The Company may require from any customer a minimum cash deposit or other guaranty to secure payment of bills, except from those customers qualifying for service reconnection under Section 12 of these Rules and Regulations. The amount of a cash deposit shall not exceed two-twelfths (2/12) of the estimated annual bill of a customer who is to be billed on a monthly basis, three-twelfths (3/12) where bills are rendered bimonthly, or four-twelfths (4/12) where bills are rendered quarterly. If actual usage data is available for the customer at the same or similar premises, the deposit amount shall be calculated using the customer's average bill for the most recent twelve (12) month period. If actual usage data is not available, the deposit amount shall be based on the average bills of similar customers and premises in the system.
- b) A deposit will be required from a customer or applicant who:
1. Lacks a satisfactory credit or payment history.
 2. Was previously terminated due to non-payment for natural gas service.
 3. Is requesting service for a mobile home.
- c) If a customer has been late on two (2) or more payments in the last twelve (12) months and does not have a deposit on file with the Company, the Company may require that a deposit be made.
- d) If a substantial change in usage has occurred, the Company may require that an additional deposit be made. No additional or subsequent deposit shall be required of residential customers whose payment record is satisfactory, unless the customer's classification of service changes.
- e) The Company will issue to every customer from whom a deposit is collected a receipt of deposit. The receipt will show the name of the customer, location of the service or customer, account number, date, and amount of deposit. If the deposit amount changes, the Company will issue a new receipt of deposit to the customer.

(T)
(D)

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Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-15
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 68, section g) under Deposits. State whether Atmos is aware that the following language should be deleted due to a change in the Commission's regulations: "except that the Company will not be required to refund or credit interest on deposits if the customer's bill is delinquent on the anniversary of the deposit date."

RESPONSE:

It has been and will continue to be the Company's practice to refund any deposit plus interest on the anniversary of the deposit date. The referenced phrase has been deleted from Attachment 1, the revised Sheet No. 68.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-15__Att1 - Revised Proposed Sheet 68.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 68

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Rules and Regulations

- f) Except for Winter Hardship Reconnections (as provided by Section 12 of these Rules and Regulations) customer service may be refused or discontinued if payment of requested deposit is not made.
- g) Interest will accrue on all deposits at a rate prescribed by law, beginning on the date of deposit. Interest accrued will be refunded to the customer or credited to the customer's bill on an annual basis. If interest is paid or credited to the customer's bill prior to twelve (12) months from the date of deposits, the payment or credit shall be on a prorated basis. Upon termination of service, the deposit, any principal amounts, and interest earned and owing will be credited to the final bill with any remainder refunded to the customer. (D)

When a deposit is required from a customer it will be held for twelve (12) months, or until service is discontinued, unless one of the following has occurred: (a) service has been terminated for non-payment of services or (b) the customer has been late on two (2) or more payments in the last twelve (12) months.

6. Special Charges

The Company may make special nonrecurring charges, approved by the Commission, to recover (T) customer-specific costs incurred to benefit specific customers. Listed below are the special charges included in the Company's tariff and a short description of the related service performed or action taken by the Company. See the Special Charges, Sheet No. 63 for the amount of the charge.

- a) Meter Set. A meter set charge may be assessed for a new service or re-set, or temporary service.
- b) Turn On. A turn on charge may be assessed for connecting service which has been terminated or idle at a given premises for reasons other than nonpayment of bills or violation of the Company or Commission regulations.
- c) Read. A read charge may be assessed for the establishment of new service where only a meter read is required.

DATE OF ISSUE May 13, 2013
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Issued by Authority of an Order of the Public Service Commission in
Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-16
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 69, e), Seasonal Charge section. Explain under what circumstances a customer would be charged a Seasonal Charge for reconnection at "any other premises".

RESPONSE:

The Company is unaware of any circumstances in which the phrase "any other premises" would be applicable. Please see Attachment 1 for a revised Sheet No. 69, which deletes the phrase "or any other" from subsection e.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-16_Att1 - Revised Proposed Sheet 69.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 69

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Rules and Regulations

- d) Reconnect Delinquent Service. A reconnect delinquent service charge may be assessed to reconnect a service which has been terminated for nonpayment of bills or violation of the Company or Commission regulations. Customers qualifying for service reconnection under Section 12 of these Rules and Regulations shall be exempt from reconnect charges.
- e) Seasonal Charge. A seasonal charge may be assessed when the customer's service has been disconnected at his request and at any time subsequently within (12) months is reconnected at the same premise. (D)
- f) After Hours Charge. An additional charge shall be applied to any special service activity, including reconnects for delinquent service, initiated at the customer's request outside normal business hours such as at night, on weekends or holidays. The Company shall advise the customer of the applicable after hours charge upon initiation of the service request and offer the customer the alternative to perform the requested activity during normal business hours, including reconnects for delinquent service, as a means to avoid the after hours charge.
- g) Special Meter Reading Charge. This charge may be assessed when a customer requests that a meter be reread and the second reading shows that the original reading was correct. No charge shall be assessed if the original reading was incorrect. This charge may also be assessed when a customer who reads his own meter fails to read the meter for three (3) consecutive months, and it is necessary for a Company representative to make a trip to read the meter.

(No such charge may be assessed until the amount of the charge is approved or otherwise accepted by the Commission).

- h) Meter Resetting Charge. A charge may be assessed for resetting a meter if the meter has been removed at the customer's request.
- i) Meter Test Charge. This charge may be assessed if a customer requests the meter be tested pursuant to Section 13 and 807 KAR 5:006, section 19, and the tests show the meter is not more than two (2) percent fast. No charge shall be made if the test shows the meter is more than two (2) percent fast. (T)
- j) Returned Check Charge. A returned check charge may be assessed if a check accepted for payment of a Company bill is not honored by the customer's financial institution.

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Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-17
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 69, i), Meter Test Charge. State whether Atmos is aware that the correct reference is now 807 KAR 5:006, Section 19.

RESPONSE:

The Company apologizes for the oversight. Please see Attachment 1 for a revised Tariff Sheet No. 69.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-17_Att1 - Revised Proposed Sheet 69.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 69

ATMOS ENERGY CORPORATION

(NAME OF UTILITY)

Rules and Regulations

d) Reconnect Delinquent Service. A reconnect delinquent service charge may be assessed to reconnect a service which has been terminated for nonpayment of bills or violation of the Company or Commission regulations. Customers qualifying for service reconnection under Section 12 of these Rules and Regulations shall be exempt from reconnect charges.

e) Seasonal Charge. A seasonal charge may be assessed when the customer's service has been disconnected at his request and at any time subsequently within (12) months is reconnected at the same premise. (D)

f) After Hours Charge. An additional charge shall be applied to any special service activity, including reconnects for delinquent service, initiated at the customer's request outside normal business hours such as at night, on weekends or holidays. The Company shall advise the customer of the applicable after hours charge upon initiation of the service request and offer the customer the alternative to perform the requested activity during normal business hours, including reconnects for delinquent service, as a means to avoid the after hours charge.

g) Special Meter Reading Charge. This charge may be assessed when a customer requests that a meter be reread and the second reading shows that the original reading was correct. No charge shall be assessed if the original reading was incorrect. This charge may also be assessed when a customer who reads his own meter fails to read the meter for three (3) consecutive months, and it is necessary for a Company representative to make a trip to read the meter.

(No such charge may be assessed until the amount of the charge is approved or otherwise accepted by the Commission).

h) Meter Resetting Charge. A charge may be assessed for resetting a meter if the meter has been removed at the customer's request.

i) Meter Test Charge. This charge may be assessed if a customer requests the meter be tested pursuant to Section 13 and 807 KAR 5:006, section 19, and the tests show the meter is not more than two (2) percent fast. No charge shall be made if the test shows the meter is more than two (2) percent fast. (T)

j) Returned Check Charge. A returned check charge may be assessed if a check accepted for payment of a Company bill is not honored by the customer's financial institution.

DATE OF ISSUE May 13, 2013
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DATE EFFECTIVE June 13, 2013
Month/Date/Year

Issued by Authority of an Order of the Public Service Commission in
Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-18
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 72, d)2. which describes the form of notification to a customer to whom a refund is owed or back billing is required. State:

- a. by what means this notification will take place;
- b. whether the customer will be given the option to pay a back billing over time rather than as one additional payment to be posted on the next regular bill; and
- c. whether Atmos considered paying the customer a cash refund automatically if a large over-billing exceeds a set amount.

RESPONSE:

- a) The notification must be in writing, so the Company would send the customer a letter explaining the situation.
- b) The Company has, does and will continue to work with our customers. If a customer needs additional time to pay a back billing, the Company will work the customer to determine a payment schedule.
- c) The Company would consider issuing the customer a check to refund any large over-billing, but would not issue a cash refund.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
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Question No. 2-19
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 76.

- a. State whether the reference to Section 14 in b) 2), under Company's Refusal or Termination of Service 14 should be changed to Section 10 of Atmos's proposed tariff which deals with partial payment plans.
- b. State whether the reference to Section 15(3) and 16 of "this administrative regulation" in b) 3) under Company's Refusal or Termination of Service should be changed to 807 KAR 5:006.
- c. State whether the reference to Section 14 in c) under Company's Refusal or Termination of Service 14 should be changed to Section 10 of Atmos's proposed tariff or to 807 KAR 5:006.

RESPONSE:

- a) Yes. The Company apologizes for the oversight. Please see Attachment 1 for a revised Sheet No. 76.
- b) Please see the response to subpart (a).
- c) Please see the response to subpart (a).

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-19_Att1 - Revised Proposed Sheet 76.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 76

ATMOS ENERGY CORPORATION

(NAME OF UTILITY)

Rules and Regulations

- b) The Company will not terminate service to a customer if the following exist:
- 1) If following receipt of a termination notice for nonpayment, but prior to the actual termination of service, there is delivered to the Company payment of the amount in arrears, service will not be terminated.
 - 2) Service will not be terminated for nonpayment if the customer and the Company have entered into a partial payment plan in accordance with Section 10 of these Rules and Regulations and the customer is meeting the requirements of the plan. (T)
 - 3) Service will not be terminated for thirty (30) days beyond the termination date if a physician, registered nurse or public health officer certifies in writing that termination of service will aggravate a debilitating illness or infirmity currently suffered by a resident living at the affected premises. The Company may refuse to grant consecutive extensions for medical certificates past the original thirty (30) days unless the certificate is accompanied by an agreed partial payment plan in accordance with Section 14 of 807 KAR 5:006. The Company will not require a new deposit from a customer to avoid termination of service for a thirty (30) day period who presents to the Company a medical certificate certified in writing by a physician, registered nurse or public health officer. For customers presenting certificates under the provisions of 807 KAR 5:006, the Company will negotiate partial payment plans based upon the customer's ability to pay, requiring accounts to become current not later than the following October 15. The plans may include, but are not limited to, budget payment plans and plans that defer payment of a portion of the arrearage until after the end of the heating season through a schedule of unequal payments. (T) (D)
- c) The Company will not terminate service for thirty (30) days beyond the termination date if the Kentucky Cabinet for Health and Family Service (or its designee) certifies in writing that the customer is eligible for the Cabinet's Energy Assistance Program or household income is at or below 130 percent of the poverty level, and the customer presents the certificate to the Company. Customers eligible for the certification from the Cabinet for Health and Family Service will have been issued a termination notice between November 1 and March 31. Certificates will be presented to the Company during the initial ten (10) day termination notice period. As a condition of the thirty (30) day extension, the customer shall exhibit good faith in paying his indebtedness by making a present payment in accordance with his ability to do so. In addition, the customer shall agree to a repayment plan in accordance with Section 14 of 807 KAR 5:006 which will permit the customer to become current in the payment of his bill as soon as possible but not later than October 15. The Company will not require a new deposit from a customer to avoid termination of service for a thirty (30) period who presents a certificate to the Company certified by the Cabinet for Health and Family Services (or its designee) that the customer is eligible for the Cabinet's Energy Assistance Program or whose household income is at or below 130 percent of the poverty level. (T)

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Issued by Authority of an Order of the Public Service Commission in
Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-20
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 77, a), Winter Hardship Reconnection. Confirm that the references to Sections 14(4) and 15(1)(f) "of this administrative regulation" relate to the Commission's regulations in 807 KAR 5:006.

RESPONSE:

Yes. To avoid future confusion, the Company has replaced the phrase "this administrative regulation" with "807 KAR 5:006". Please see Attachment 1 for a revised Sheet No. 77.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-20_Att1 - Revised Proposed Sheet 77.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 77

ATMOS ENERGY CORPORATION

(NAME OF UTILITY)

Rules and Regulations

12. Winter Hardship Reconnection

- a) Notwithstanding the provisions of Section 14(4) of 807 KAR 5:006 to the contrary, the Company will reconnect service to a residential customer who has been disconnected for nonpayment of bills pursuant to Section 15(1)(f) of 807 KAR 5:006 prior to application for reconnection, and who applies for reconnection during the months from November 1 through March 31 if the customer or his agent:
- 1) Presents a certificate of need from the Cabinet for Health and Family Services (or its designee) including a certificate that a referral for weatherization services has been made in accordance with subsection (c) of this section.
 - 2) Pays one-third (1/3) of his outstanding bill or \$200, whichever is less.
 - 3) Agrees to a repayment schedule which would cause the customer to be current in the payment of his bill, as soon as possible but no later than October 15. However, if, at the time of application for reconnection, the customer has an outstanding bill in excess of \$600 and agrees to a repayment plan that would pay current charges and makes a good faith reduction in the outstanding bill consistent with his ability to pay, then such plan will be accepted. In addition to payment of current charges, repayment schedules shall provide an option to the customer to select either one (1) payment of arrearages per month or more than one (1) payment of arrearages per month.
 - 4) The Company will not require a new deposit from a customer whose service is reconnected due to paragraphs 1, 2 or 3 of this subsection.
- b) A customer who is eligible for energy assistance under the Cabinet for Health and Family Services' guidelines or is certified as being in genuine financial need, which is defined as any household with gross income at or below 130 percent of the poverty level, may obtain a certificate of need from the Cabinet (or its designee) to be used in obtaining a service reconnection from the utility.
- c) Customers obtaining a certificate of need under this section will agree to accept referral to and utilize weatherization services which are administered by the Cabinet for Health and Family Services. The provisions and acceptance of weatherization services is contingent on the availability of funds and other program guidelines. Weatherization services include, but are not limited to, weather stripping, insulation, and caulking.
- d) Customers who are current in their payment plans under this section will not be disconnected

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Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
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Question No. 2-21
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 78, 14, Access to Property. In order to comply with a change in the Commission's regulations, confirm that the next to last line should be changed from "...oc show a badge..." to "...and show a badge..." (emphasis added).

RESPONSE:

The Company agrees with the suggested change. Please see Attachment 1 for a revised Sheet No. 78.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-21_Att1 - Revised Proposed Sheet 78.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 78

ATMOS ENERGY CORPORATION

(NAME OF UTILITY)

Rules and Regulations

13. Request Tests

- a) The Company will make a test of any meter upon written request of any customer if the request is not made more frequently than once each twelve (12) months. The customer will be given the opportunity to be present at the requested test. If the test shows that the meter was not more than two (2) percent fast, the Company may make a reasonable charge for the test. The amount of the charge will be equal to the reconnect charge shown on Miscellaneous Charges Rate.
- b) After having first obtained a test from the Company, any customer of the Company may request a meter test by the Commission upon written application. Such request shall not be made more frequently on one (1) meter than once each twelve (12) months.

14. Access to Property

The Company shall at all reasonable hours have access to meters, service connections and other property owned by it and located on customer's premises for purposes of installation, maintenance, meter reading, operation, replacement or removal of its property at the time service is to be terminated. Any employee of the Company whose duties require them to enter a customer's premises will wear a distinguishing uniform or other insignia, identifying him as an employee of the Company and show a badge or other identification which will identify him as an employee of the Company.

15. Service Lines

When Company initiates service to a new Residential or Commercial Customer, Company will install, own, operate and maintain the service line at the premises of Residential and Commercial Customers, if such premises are not connected to a Company main by a service line. With respect to Residential and Commercial Customers that occupy premises already connected to a Company main by a service line, Company shall be responsible for operating and maintaining the service line from the main to the meter. The Company will own the service line from the main to the property line while the Customer will own the service line from the property line to the meter ("customer-owned service line"). When the Company determines that replacement of customer-owned service line is necessary, Company shall be responsible for installing and maintaining the service line from the main to the meter and shall thereafter own the service line from the main to the meter. If it becomes necessary for Company to replace a service line, Company shall use its best efforts to replace the line, during normal working hours and as soon as practical, after Company is made aware of the need for the replacement of the service line.

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Issued by Authority of an Order of the Public Service Commission in
Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-22
Page 1 of 1

REQUEST:

Refer to proposed tariff Sheet No. 89, 36. General Rules. State whether the word "representative" on the second line should be replaced with "representation."

RESPONSE:

The Company agrees with the suggested change. Please see Attachment 1 for a revised Sheet No. 89.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-22_Att1 - Revised Proposed Sheet 89.pdf, 1 Page.

Respondent: Mark Martin

FOR ENTIRE SERVICE AREA

PSC KY. No. 2

Original SHEET No. 89

ATMOS ENERGY CORPORATION
(NAME OF UTILITY)

Rules and Regulations

36. General Rules

No agent, representative or employee of the Company has the authority to make any promise, agreement or representation, not incorporated in or provided for by the Rules and Regulations of the Public Service Commission of Kentucky or of this Company. Neither, has any agent, representative or employee of the Company any right or power to amend, modify, alter or waive any of the said Rules and Regulations, except as herein provided. (T)

The Company reserves the right to amend or modify its Rules and the Regulations or to adopt such additional Rules and Regulations as the Company deems necessary in the proper conduct of its business, subject to the approval of the Public Service Commission of Kentucky.

These Rules and Regulations or Terms and Conditions of Service replace and supersede all previous Rules and Regulations or Terms and Conditions under which the Company has previously supplied gas service.

DATE OF ISSUE May 13, 2013
Month/Date/Year

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Month/Date/Year

Issued by Authority of an Order of the Public Service Commission in
Case No. 2013-00148

ISSUED BY /s/ Mark A. Martin
Signature of Officer

TITLE Vice President – Rates and Regulatory Affairs

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-23
Page 1 of 1

REQUEST:

Refer to the discussion of Atmos's new Customer Service System ("CSS") on pages 10-13 of the Martin Testimony.

- a. The sentence at lines 5-6 on page 11 states that Atmos selected SAP as the primary software platform and Accenture as the system integrator "after a thorough and rigorous vetting process."
 - (1) Describe Atmos's vetting process and state whether a Request for Proposals ("REP") was issued to potential vendors.
 - (2) If Atmos issued one, provide the RFP and a list of the parties who responded to the RFP.
- b. Referring to the components listed on page 11, line 1 on page 12 states that "all of these are shared service assets that are used by all utility distribution areas." Confirm that this statement means that the new CSS is used on a companywide basis including all of the Atmos distribution divisions.
- c. Provide the total cost of the system to Atmos and the amount that has been allocated to Atmos's Kentucky operations.

RESPONSE:

- a)
 - 1) Please see the Company's response to OAG DR No. 1-06.
 - 2) Please see the Company's response to OAG DR No. 1-06.
- b) Yes, the new CSS system is used on a Company-wide basis to serve regulated utility division customers.
- c) The total capital cost of the new CSS system that was closed to plant in May 2013 was \$78,921,348. In adherence with the Cost Allocation Manual (CAM) attached to Mr. Jason Schneider's Direct Testimony, \$4,512,606 will be allocated to Kentucky for ratemaking purposes. For the revenue requirement filed in this proceeding, however, the estimate of the total capital cost of the system was \$78,916,066, of which \$4,512,304 is allocated to Kentucky for ratemaking purposes.

Respondent: Greg Waller

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-24
Page 1 of 1

REQUEST:

Refer to pages 16-17 and 20 of the Martin Testimony and FR 16(13)(i)2, Schedule 1-27. Beginning on page 16 and continuing to page 17 the testimony explains how calendar year 2012 is a "reference period" to which forward-looking adjustments may be applied. Lines 6-8 on page 20 of the testimony contain the statement, "For purposes of the case, we have assumed zero residential customer growth from the reference period to the test year." However, on Schedule 1-27, the residential customer count for the reference period, calendar 2012, is shown as 156,519 and for the test year as 154,258, which is not zero but negative growth. Explain the apparent discrepancy between the text in the testimony and customer levels on the schedule.

RESPONSE:

Upon receipt of this request, the Company discovered some corrections necessary to the FR 16(13)(i)2 and FR 16(13)(i)3. Historical customer count data reflected the year end levels for each December, while the base period, forecasted period and three year projections reflected 12-month average customer counts. To standardize the data for comparative purposes, we have adjusted the schedule to show 12-month average customer counts in all instances. With these corrections, the apparent discrepancy between these schedules and Mr. Martin's testimony asserting the assumption of "zero residential customer growth" no longer exists. Please see Attachment 1 for corrected schedules for FR 16(13)(i)2 and FR 16(13)(i)3. None of the identified corrections affects the Company's calculations for revenue at present and proposed rates in this Case.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-24_Att1 - Correction to FR 16(13)(i)2 and 3.xlsx, 2 Pages.

Respondent: Mark Martin

Atmos Energy Corporation, Kentucky/Mid-States Division
Kentucky Jurisdiction Case No. 2013-00148
Revenue Statistics (Corrected)
Base Period: Twelve Months Ended July 31, 2013
Forecasted Test Period: Twelve Months Ended November 30, 2014

Data: Base Period Forecasted Period
Type of Filing: Original Updated
Workpaper Reference No(s):

FR 16(13)(i)2
Schedule I
Witness: Schneider, Martin

Line No.	Description	Most Recent Five Calendar Years					Base Period	Forecasted Period	Three Projected Fiscal Years		
		2008	2009	2010	2011	2012	7/31/2013	11/30/2014	2014	2015	2016
1	Revenue by Customer Class:										
2	Residential	\$ 140,578,931	\$ 109,678,212	\$ 93,088,349	\$ 88,493,241	\$ 78,630,275	\$ 88,737,208	\$ 92,489,003	\$ 92,552,194	\$ 92,217,705	\$ 91,577,329
3	Commercial	61,913,423	49,294,571	38,332,860	35,988,736	31,478,562	35,968,231	37,133,618	37,140,869	37,063,542	36,889,932
4	Industrial	14,659,567	8,011,633	4,589,558	4,854,620	4,926,385	4,598,709	4,275,392	4,270,892	4,306,421	4,329,662
5	Public Authority & Other	14,423,543	11,513,184	8,555,408	7,582,167	6,653,819	7,591,954	7,837,409	7,862,279	7,679,957	7,466,884
6	Unbilled										
7	Total	\$ 231,575,464	\$ 178,497,601	\$ 144,566,174	\$ 136,918,764	\$ 121,689,041	\$ 136,896,102	\$ 141,735,422	\$ 141,826,235	\$ 141,267,625	\$ 140,263,807
8	Number of Customer by Class:										
9	Residential	153,437	152,710	153,176	154,012	153,903	153,903	153,903	153,903	153,903	153,903
10	Commercial	17,499	17,295	17,237	17,380	17,317	17,317	17,317	17,317	17,317	17,317
11	Industrial	222	223	205	208	207	207	207	207	207	207
12	Public Authority & Other	1,567	1,569	1,572	1,570	1,575	1,575	1,575	1,575	1,575	1,575
13	Total	172,726	171,797	172,190	173,170	173,002	173,002	173,002	173,002	173,002	173,002
14	Average Revenue per Class:										
15	Residential	\$ 916	\$ 718	\$ 608	\$ 575	\$ 511	\$ 577	\$ 601	\$ 601	\$ 599	\$ 595
16	Commercial	3,538	2,850	2,224	2,071	1,818	2,077	2,144	2,145	2,140	2,130
17	Industrial	65,985	35,900	22,370	23,330	23,809	22,180	20,621	20,599	20,771	20,883
18	Public Authority & Other	9,202	7,337	5,443	4,828	4,224	4,819	4,975	4,991	4,875	4,740

(1) Unbilled Revenue is not included in the appropriate customer class.

Atmos Energy Corporation, Kentucky/Mid-States Division
Kentucky Jurisdiction Case No. 2013-00148
SALES STATISTICS (Corrected)
Base Period: Twelve Months Ended July 31, 2013
Forecasted Test Period: Twelve Months Ended November 30, 2014

Data: Base Period Forecasted Period
Type of Filing: Original Updated
Workpaper Reference NO(S):

FR 16(13)(i)3
Schedule I
Witness: Schneider, Martin

Line No.	Description	Most Recent Five Calendar Years					Base Period	Forecasted Period	Three Projected Fiscal Years		
		2008	2009	2010	2011	2012	7/31/2013	11/30/2014	2014	2015	2016
		Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf	Mcf
1	Sales by Customer Class:										
2	Residential	10,836,314	10,077,909	10,707,443	10,405,403	8,369,538	9,809,334	9,637,652	9,656,539	9,513,132	9,369,726
3	Commercial	4,903,695	4,670,569	4,839,361	4,727,770	3,939,851	4,404,083	4,348,684	4,354,185	4,304,327	4,254,470
4	Industrial	1,027,008	734,084	718,960	818,917	997,171	660,901	660,901	660,901	660,901	660,901
5	Public Authority & Other	1,252,700	1,160,683	1,197,578	1,124,025	967,627	1,096,566	1,053,268	1,057,977	1,021,372	984,767
6	Unbilled										
7											
8	Total	18,019,716	16,643,245	17,463,341	17,076,115	14,274,186	15,970,884	15,700,505	15,729,602	15,499,732	15,269,864
9											
10	Number of Customer by Class:										
11	Residential	153,437	152,710	153,176	154,012	153,903	153,903	153,903	153,903	153,903	153,903
12	Commercial	17,499	17,295	17,237	17,380	17,317	17,317	17,317	17,317	17,317	17,317
13	Industrial	222	223	205	208	207	207	207	207	207	207
14	Public Authority & Other	1,567	1,569	1,572	1,570	1,575	1,575	1,575	1,575	1,575	1,575
15											
16	Total	172,726	171,797	172,190	173,170	173,002	173,002	173,002	173,002	173,002	173,002
17											
18	Average Volume per Class:										
19	Residential	71	66	70	68	54	64	63	63	62	61
20	Commercial	280	270	281	272	228	254	251	251	249	246
21	Industrial	4,623	3,289	3,504	3,936	4,819	3,188	3,188	3,188	3,188	3,188
22	Public Authority & Other	799	740	762	716	614	696	669	672	648	625

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-25
Page 1 of 1

REQUEST:

Refer to page 17 of the Martin Testimony and Exhibits MAM-2 and MAM 3. Provide explanations for all assumptions used in calculating each adjustment shown in the "Contract Adj. Bills and Volumes" column of Exhibit MAM-2 and in Exhibit MAM-3.

RESPONSE:

Please see Attachment 1 to the Company's response to Staff DR No. 2-28 (Staff_2-28_Att1 - KY Revenue & Billing Unit Forecast (Updated for Staff Set 2).xlsx).

The process of reviewing industrial and transportation customers, as described in Mr. Mark Martin's Direct Testimony, resulted in proposed adjustments for 13 customers. Six adjustments are to reflect tariff service changes in accord with customer contracts (either annualizing mid-reference period changes or reflecting new tariff service elections to begin after the reference period). One adjustment is proposed to annualize deliveries to a new customer which initiated service in October of the reference period. Four customer adjustments were proposed to reflect increased usage and one customer adjustment was proposed to reflect reduced usage.

Each adjustment, by month and by tariff billing block, is detailed on a tab called "Pro Forma Volume Adj (By Block)" in the "KY Revenue & Billing Unit Forecast.xlsx" workbook.

Additionally, for residential G-1 service an adjustment is made to move per books bill volumes in the > 300 MCF block to 0-300 MCF block.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-26
Page 1 of 4

REQUEST:

Refer to pages 17-19 of the Martin Testimony and Exhibit MAM-4.

- a. Describe any consideration Atmos has given to using a period shorter than 30 years to perform its normalization of volumes for weather. Include any studies or research performed by Atmos regarding the predictive value of using 30 years of climate data as opposed to some shorter time period.
- b. Explain why Atmos is not using the most current weather data available for its weather normalization as opposed to the 30 years ended 2010. The explanation should include whether more current data is available for the cities indicated on page 18 of the Martin Testimony.
- c. Refer to page 2 of MAM-4. State whether the .0122 in column (d), X Coefficient, represents the temperature sensitive usage per Heating Degree Days ("HDD") and explain how this number was derived.
- d. Explain the difference between normal HDD and lagged normal HDD on pages 2-4 of MAM-4.
- e. Explain why negative Weather Adjustments for September 2012 are in column (k) for the Commercial and Public Authority classes on pages 3-4 of MAM-4 if September had fewer actual than normal lagged HDD.
- f. Explain why positive Weather Adjustments for October 2012 are in column (k) for the Residential and Commercial classes on pages 2-3 of MAM-4 if October had more actual than normal lagged HDD.
- g. Explain why a positive Weather Adjustment for November 2012 is in column (k) for the Commercial class on page 3 of MAM-4 if November had more actual than normal lagged HDD.
- h. Explain how the Weather Adjustments in column (k) of pages 2-4 of MAM-4 were derived.
- i. State whether any other customer classes besides residential, commercial and public authority exhibit temperature sensitivity in their usage patterns. Provide sales volume history of every other class to support the response.

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-26
Page 2 of 4

RESPONSE:

- a) Atmos Energy has not considered using a period shorter than 30 years in its normalization of volumes for weather in Kentucky. The Company has not performed any studies regarding the predictive value of using 30 years of climate data as opposed to some shorter time period. The primary reason the Company has not undertaken such considerations or studies is due to its belief that the Weather Normalization Adjustment, if synchronized to the same basis for normal HDDs as the case in which base rates are set, appropriately corrects weather-related variances.

The following information illustrates the Company's belief in the WNA correction to "normal" HDDs. The 30-year normal proposed by the Company is 4,160 HDDs. With this level of HDDs, a normalized MCF is produced in this case, on which rates are struck to achieve the stated revenue requirement. If normal HDDs for an alternative period were utilized producing only 3,500 HDDs, then the normalized MCF would be much lower, and distribution base rates would be higher to achieve the stated revenue requirement. Then, after these rates were set, if the actual HDDs were 4,160, base rates alone would over-recover. However, the WNA would appropriately correct customer bills to adjust distribution revenues to the 3,500 HDD benchmark. Similarly, setting the normal HDDs to 5,000 would result in apparent lower distribution rates, but would likely bill a positive WNA each year to produce the same distribution revenue result as the previous example.

- b) The Company believes there is a benefit to utilize NOAA's published 30-year normal, since NOAA thoroughly analyzes their collected data and "smoothes" the average daily HDDs to produce daily normals. Given that their publication, produced every ten years, was published only two years ago, the Company did not perceive a benefit to utilize the 2+ years of HDD data available past their period. Also see the Company's response to subpart (a) of this request.
- c) Yes, the "X" coefficient is the MCF per heating degree day. The first factor solved in the weather adjustment (using page MAM-4, page 2 as an example) is the "constant", which is the monthly base load per customer. This factor (1.079 MCF) is the average MCF per customer for the months of July and August. The constant, multiplied by the number of customers each month (column h) yields the monthly class base load MCF. Subtracting the base load from the total yields the total monthly heating load MCF. This heating load divided by customers, produces the heating load per customer each month. Summing the customer heating load per customer for the year and dividing by the actual HDDs for the year computes the "X" coefficient.

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-26
Page 3 of 4

d) The "normal" HDDs in column (l) is the sum of daily normal HDDs for each calendar month. The "lagged normal" HDDs in column (c) is the sum of daily normal HDDs for the 16th of the preceding month to the 15th of the current month. Since customer meters are read in cycles throughout the month, the "lagged" calculation corresponds better to the sum of billed usage than the calendar month HDDs.

e) Please see the response to subpart (c) of this request for an explanation of how the base load per customer ("Constant" in column f) and heat sensitive load ("X" coefficient in column d) are computed. The normalize volume each month is as follows:

Customers times (Constant plus the product of X coefficient times normal lagged HDDs)

This computed normal monthly volume minus the actual volume produces the "weather adjustment" shown in column k. The slight negative adjustment in September, despite the modestly warmer than normal period, is a result of the determination of heat sensitive factors on an annual basis.

f) Please see the response to subpart (c) of this request for an explanation of how the base load per customer ("Constant" in column f) and heat sensitive load ("X" coefficient in column d) are computed. The normalize volume each month is as follows:

Customers times (Constant plus the product of X coefficient times normal lagged HDDs)

This computed normal monthly volume minus the actual volume produces the "weather adjustment" shown in column k. The positive adjustments in October, despite the colder than normal period, is a result of the determination of heat sensitive factors on an annual basis.

g) Please see the response to subpart (c) of this request for an explanation of how the base load per customer ("Constant" in column f) and heat sensitive load ("X" coefficient in column d) are computed. The normalize volume each month is as follows:

Customers times (Constant plus the product of X coefficient times normal lagged HDDs)

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-26
Page 4 of 4

This computed normal monthly volume minus the actual volume produces the "weather adjustment" shown in column k. The positive adjustment in November, despite the colder than normal period, is a result of the determination of heat sensitive factors on an annual basis.

- h) Please see the response to subpart (c) of this request for an explanation of how the base load per customer ("Constant" in column f) and heat sensitive load ("X" coefficient in column d) are computed. The normalize volume each month is as follows:

Customers times (Constant plus the product of X coefficient times normal lagged HDDs)

This computed normal monthly volume minus the actual volume produces the "weather adjustment" shown in column k.

- i) The Company has not assessed the weather sensitivity of Industrial or Interruptible sales. Nor has a weather adjustment for these sales classes been proposed in prior Atmos Energy rate proceedings. Historic sales volumes for Industrial and Interruptible sales can be found in the Company's response to OAG DR No. 1-10.

Respondent: Mark Martin

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-27
Page 1 of 1

REQUEST:

Refer to pages 31-32 of the Martin Testimony and to Exhibit MAM-7. Explain why Service Charges revenue at proposed rates is the same as Other Revenues for the test year on MAM-2 if Atmos is proposing a new \$10 charge for leaving Door Tags. State what amount of revenue Atmos projects collecting through the proposed \$10 charge.

RESPONSE:

The Company has not estimated a revenue amount related to the Door Tag Fee. The Company does not plan on using them often, but wanted to reinstitute the option since it was a past practice. If the Company employs door tags, its intent is to benefit customers by preventing disconnection. The modest door tag charge would potentially eliminate more costly reconnection charges for the customer. Therefore, to the extent the Company finds that door tag practice effective, overall service charges would likely decrease.

Respondent: Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-28
Page 1 of 1

REQUEST:

Provide an electronic copy of all exhibits to the Martin Testimony with the formulae intact and unprotected and all rows and columns accessible.

RESPONSE:

Please see Attachment 1 for Exhibits MAM-1 through MAM-7, which are contained in the original file named "KY Revenue & Billing Unit Forecast.xlsx". Please see Attachment 2 for a copy of the file, updated to include a summary tab requested in Staff DR No. 2-29 and with cell reference corrections (see Staff DR No. 2-24), is named ""KY Revenue & Billing Unit Forecast (Updated for Staff Set 2).xlsx". These files are also being provided by the Company on CD.

ATTACHMENTS:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-28_Att1 - KY Revenue & Billing Unit Forecast.xlsx, 119 Pages.

ATTACHMENT 2 - Atmos Energy Corporation, Staff_2-28_Att2 - KY Revenue & Billing Unit Forecast (Updated for Staff Set 2).xlsx, 120 Pages.

Respondent: Mark Martin

	Month	Day	Year	Month	Month
First Day of Test Y	1/1/2012	1	1	2012 JANUARY	JANUARY 1, 2012
Last Day of Test Y	12/31/2012	12	31	2012 DECEMBER	DECEMBER 31, 2012

- 1 JANUARY
- 2 FEBRUARY
- 3 MARCH
- 4 APRIL
- 5 MAY
- 6 JUNE
- 7 JULY
- 8 AUGUST
- 9 SEPTEMBER
- 10 OCTOBER
- 11 NOVEMBER
- 12 DECEMBER

ATMOS ENERGY CORPORATION - KENTUCKY
SIDE-BY-SIDE RATE SCHEDULES
TEST YEAR ENDED DECEMBER 31, 2012

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Billing Component	Applicable Tariffs			Current Rate	Proposed Rate	Billing Component	Current Rate	Norm Hrs	After Hrs	Proposed Rate	Norm Hrs	After Hrs		
CUSTOMER CHARGES, \$/month														
2 Firm Services - Residential	G-1			314.28	315.00									
3 Firm Services - Non-Residential	G-1			35.70	40.00									
4 Interruptible Services	G-2			344.97	350.00									
5 Firm Transportation	T-4			328.23	350.00									
6 Interruptible Transportation	T-3			328.24	350.00									
7 DISTRIBUTION CHARGES, \$/Mcf		W/o PRP>		370.00										
8 Firm Sales	G-1													
9 1-300 Mcf				1.4000	1.6320									
10 301-15000 Mcf				0.7798	0.8800									
11 Over 15000				0.5000	0.6200									
12 Firm Transportation	T-4													
13 1-300 Mcf				1.1500	1.6320									
14 301-15000 Mcf				0.6050	0.8800									
15 Over 15000				0.5225	0.6200									
16 Interruptible Sales	G-2					13,367,037								
17 1-15000 Mcf				0.9570	0.7920	10,000,000								
18 Over 15000				0.4670	0.5310	3,367,037								
19 Interruptible Transportation	T-3													
20 1-15000 Mcf				0.6222	0.7920									
21 Over 15000				0.4440	0.5310									
22 OTHER CHARGES														
23 Transp. Adm. Fee, \$/Mcf	T-2, T-3, T-4			350.00	350.00									
24 Parking, \$/Mcf	T-4, T-3			0.00	0.00									
25 SUMMARY OF PROPOSED VS. CURRENT RATES:														
26		Base Monthly Charges		Transp Adm/Parking/ EFM Charges			Distribution Charges			TOTAL				
27 Total Class		Current	Proposed	% Change	Current	Proposed	% Change	Current	Proposed	% Change	Current	Proposed	Difference	% Change
28 Residential		26,372,832	29,549,392	12.04%	-	-		10,601,417	15,728,648	48.36%	36,974,250	45,278,040	8,303,791	22.46%
29 Commercial Firm		7,417,103	8,310,480	12.04%	-	-		4,602,452	6,703,444	45.65%	12,019,556	15,013,924	2,994,369	24.91%
30 Industrial Firm		85,537	95,840	12.04%	-	-		439,393	590,436	34.38%	524,930	686,276	161,346	30.74%
31 Public Authority Firm		674,873	756,160	12.04%	-	-		1,088,520	1,559,247	43.24%	1,763,392	2,315,407	552,014	31.30%
32 Com/Ind Interruptible		44,385	45,150	1.72%	-	-		143,667	165,567	15.24%	188,052	210,717	22,665	12.05%
33 Transportation		739,134	787,150	6.50%	213,723	213,723	0.00%	9,307,096	10,494,761	12.76%	10,259,953	11,495,634	1,235,681	12.04%
34 Special Contracts		64,800	64,800	0.00%	37,452	37,452	0.00%	1,372,968	1,372,968	0.00%	1,475,220	1,475,220	-	0.00%
35 Sub-total Revenue		35,398,665	39,608,972	11.89%	251,175	251,175	0.00%	27,555,513	36,615,071	32.88%	63,205,353	76,475,218	13,269,865	20.99%
36														
37 Other Gas Revenues											1,904,377	2,001,549	97,171	5.10%
38 Total Revenue											85,109,730	78,476,767	13,367,037	20.53%
39														
40 % fixed		54%	50%											

SERVICE CHARGES

Water Cost	\$24.00	\$24.00	\$24.00	\$24.00
Water Op	\$23.00	\$23.00	\$23.00	\$23.00
Waste	\$12.00	\$12.00	\$12.00	\$12.00
Professional Consultant Service	\$39.00	\$40.00	\$39.00	\$40.00
Seasonal Change	\$65.00	\$75.00	\$65.00	\$75.00
Overhead Meter Reading Charge	\$0.00	N/A	\$0.00	N/A
User Test Charge	\$20.00	N/A	\$20.00	N/A
Returned Check Charge	\$25.00	N/A	\$25.00	N/A
Late Payment Charge	5%	5%	5%	5%
Class 1 EFM Equipment Charge	\$75.00	N/A	\$75.00	N/A
Class 2 EFM Equipment Charge	\$175.00	N/A	\$175.00	N/A

41
42
43
44
45
46

13,367,575

538

	Current Rev	Prop Rev	Increase	Increase %	Customers	Increase/month		
Residential	92,489,003	100,792,793	8,303,791	8.98%	153,903	4.50	153,903	<u>Total Class</u> 2009-00354
Com Firm	37,006,066	40,000,435	2,994,369	8.09%	17,314	14.41	17,314	Residential 33,845,620
Com Int	127,552	130,063	2,510	1.97%	3	67.84	200	Commercial Firm 11,206,759
Com Total	37,133,618	40,130,497	2,996,879	8.07%	17,317	14.42	1,575	Industrial Firm 561,234
Ind Firm	3,243,159	3,404,505	161,346	4.97%	200	67.34	11	Public Authority Firm 1,778,837
Ind Int	1,032,234	1,052,388	20,155	1.95%	8	219.07	205	Com/Ind Interruptible 196,998
Ind Total	4,275,393	4,456,893	181,500	4.25%	207	72.95		Transportation 8,279,335
PA	7,837,409	8,389,423	552,014	7.04%	1,575	29.20		Special Contracts 1,382,303
Transp.	11,735,173	12,970,854	1,235,681	10.53%	205	501.29		Sub-total Revenue 57,251,086
Other	1,904,377	2,001,549	97,171	5.10%				Other Gas Revenues 2,490,422
Total	155,374,973	168,742,010	13,367,037	8.60%	173,208	6.43		Total Revenue 59,741,507
Residential	92,489,003	100,792,793	8,303,791	9.0%	153,903	4.50		
Ind & Transp	16,010,566	17,427,747	1,417,181	8.9%	413	286.13		
Com & PA	44,971,027	48,519,921	3,548,893	7.9%	18,892	15.65		
Other	1,904,377	2,001,549	97,171	5.1%				
	155,374,973	168,742,010	13,367,037	8.6%	173,208	6.43		

13.56	13.22
29.00	29
309.09	309
290.00	290

1.78
5.7
44.07
28.33
29.24

0	2
0.77	0.73
0.45	0.45

0.093
0.0651
0.0423

0.65	0.65
0.51	0.43

0.057
0.057

GAS COST		TTL CHNGE			per yr		per mo	
36,974,250	55,514,753	8.98%	59.21%	399,642	2.60	0.22		
12,019,556	24,986,511	8.09%	19.63%	132,519	7.65	0.64		
524,930	2,718,229	4.97%	0.90%	6,057	30.34	2.53		
1,763,392	6,074,016	7.04%	3.03%	20,437	12.97	1.08		
188,052	971,734	1.95%	0.28%	1,860	173.01	14.42		
10,259,953	-	12.04%	15.03%	101,465	557.33	46.44		
1,475,220	-	0.00%	1.93%	13,021				
	90,265,243	8.60%						

OVERRUN CHARGES, \$/Mcf

Billing Component	Applicable Tariffs	Current Rate	Proposal X
Firm Carriage Overrun	G-1, LVS-1, T-2/G-1, T-4		
1-300 Mcf		1.1000	1.6320
301-15000 Mcf		0.7700	0.8800
Over 15000		0.5000	0.6200
Int. Carriage Overrun	G-2, LVS-2, T-2/G-2, T-3		
1-15000 Mcf		0.6870	0.7920
Over 15000		0.4670	0.5310

Billing Component	Applicable Tariffs	Current Rate	Proposal X
CUSTOMER CHARGES, \$/month			
Firm Services - Residential	G-1	17.50	\$16.00
Firm Services - Non-Residential	G-1, LVS-1, T-2/G-1	25.00	40.00
Interruptible Services	G-2, LVS-2	220.00	350.00
Carriage Transportation	T-4, T-3	221.00	350.00
All Mcf	(Proposed Only)	\$63.50	
Firm Sales & Transportation:	G-1 (Non-residential) LVS-1, T-2/G-1, T-4		
1-300 Mcf		1.1000	1.6320
301-15000 Mcf		0.7700	0.8800
Over 15000		0.5000	0.6200
Int. Sales & Transportation	G-2, LVS-2, T-2/G-2, T-3		
1-15000 Mcf		0.6870	0.7920
Over 15000		0.4670	0.5310

Total Increase	13,367,037
Total Increase %	8.6%
Residential Incr	8,303,791
Residential Incr%	9.0%
Com/PA Incr	3,546,383
Com/PA Incr%	8.1%
Ind/Int Incr	184,010
Ind/Int Incr %	4.2%
Transp Incr	1,235,681
Transp Incr%	10.5%
Total % Volumetric Margin Contribution	47%

8.98% Res
7.91% Com/PA F
4.18% Ind/Int
10.53% Transp & SC

8.80% Ind/Int/Transp/SC

<u>PRP @</u>		<u>Rev @ Pres</u>
<u>cur vol/count</u>		<u>Rates</u>
3,287,370	37,132,989	36,974,250
1,184,243	12,391,003	12,019,556
13,657	574,891	524,930
107,753	1,886,590	1,763,392
17,749	214,747	188,052
454,654	8,733,990	10,259,953
	1,382,303	1,475,220
	62,316,512	63,205,353
		1,904,377
		65,109,730

Current 1st block

0.7139	2.2472		
1.1559			
0.4039			
0.1439			
0.9759			
0.7149			

0.7139
0.4039
0.1439
0.9759
0.7149

0.7139	2.2472		
1.1559			
0.4039			
0.1439			
0.9759			
0.7149			

		Mar-13	Apr-13	May-13	Jun-13	Jul-13	Base		Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	
OPERATING REVENUE																
<u>Sales of Gas</u>																
4800	Residential	13,621,370	10,321,399	7,657,292	5,165,176	3,590,539	3,276,797	43,632,574	12,192,276	15,164,747	14,856,627	11,192,693	8,237,282	5,116,325	3,556,660	3,245,937
4811	Commercial	4,942,495	3,892,461	2,984,154	2,270,525	1,746,094	1,629,290	17,466,019	4,581,599	5,508,901	5,400,070	4,243,109	3,243,406	2,261,581	1,746,005	1,630,887
4812	Industrial	537,385	390,265	214,765	222,180	177,049	146,899	1,686,564	540,467	845,043	604,535	438,416	240,808	222,250	177,114	146,924
4820	Other - Public Authority	1,215,554	898,532	648,396	418,896	269,106	242,031	3,692,515	1,102,035	1,345,077	1,316,821	971,475	699,234	406,837	261,690	235,429
	Total Sales of Gas	20,316,804	15,502,657	11,504,628	8,076,778	5,782,788	5,295,017	65,478,672	18,416,476	22,863,767	22,177,853	16,845,693	12,420,729	8,006,998	5,741,448	5,250,178
<u>Other Operating Income</u>																
4870	Forfeited Discounts	182,110	123,852	92,543	64,394	45,959	42,207	531,064	146,365	180,463	176,810	134,462	99,838	63,821	45,620	41,913
4880	Misc. Service Revenues	60,753	49,210	47,570	49,815	48,845	44,569	300,762	64,443	61,917	80,753	49,210	47,570	49,815	48,845	44,569
4895-4896	Revenue From Transportation of Gas of Others	974,445	855,173	791,624	801,196	757,673	716,854	4,896,894	929,607	1,047,569	974,445	855,173	791,624	801,196	757,673	716,884
4950	Other Gas Revenue (Special Contracts)	129,118	122,769	123,770	122,302	121,534	118,120	737,813	120,678	141,344	129,118	122,769	123,770	121,534	118,120	
	Total Other Operating Income	1,326,426	1,151,004	1,055,507	1,037,707	974,011	921,780	6,466,434	1,261,094	1,431,293	1,341,126	1,161,614	1,062,602	1,037,134	973,672	921,485
	Total Revenue	21,643,229	16,653,660	12,560,135	9,114,485	6,756,800	6,216,797	72,945,106	19,677,570	24,295,061	23,518,978	18,007,307	13,483,331	9,044,127	6,715,120	6,180,662
	Purchased Gas Costs	14,280,291	10,316,766	7,058,695	4,362,961	2,468,087	2,076,533	40,563,333	13,030,653	16,777,832	16,135,575	11,692,108	7,997,442	4,305,335	2,433,925	2,046,916
	Gross Profit	7,362,938	6,336,894	5,501,440	4,751,525	4,288,712	4,140,264	32,381,773	6,646,917	7,517,228	7,333,403	6,315,199	5,486,089	4,738,791	4,281,194	4,133,745
	Storage Balance			(5,451,139)	(468,845)	4,552,723		20,566,562	13,170,249	4,507,435	(3,295,262)	(9,619,660)	(4,667,474)	308,869	5,313,776	
								24,605,674								
bad debt		36,815	31,664	27,507	23,756	21,444	20,701		33,235	37,588	36,667	31,576	27,430	23,694	21,406	20,669
	0.005															
		\$7,543,215	\$7,362,938	\$8,336,894	\$5,501,440	\$4,751,525	\$4,288,712	\$5,784,724	\$4,769,777	\$5,549,860	\$6,646,917	\$7,517,228	\$7,333,403	\$6,215,199	\$5,486,089	\$4,738,791
		(180,277)	(1,026,044)	(635,455)	(748,915)	(462,812)	(148,449)	(3,402,952)	1,877,139	1,967,369	986,487	(1,202,030)	(1,847,314)	(1,578,408)	(1,204,895)	(605,046)
Bad Debt Calculation based on Revenues		98,897.10	75,561.96	56,449.21	39,272.99	28,026.70	25,740.59	323,650.54	89,380.05	110,053.62	107,866.59	82,036.39	60,899.61	38,923.71	27,821.67	25,561.29
Bad Debt Calculation based on Margin																
Eliminate																

Aug-14	Sep-14	Oct-14	Nov-14	Fiscal Years						
				2014	2015	2016	2017	2018	2019	2020
3,243,841	3,266,947	4,719,342	7,696,327	92,489,003	65,711,259	92,552,194	92,217,705	91,577,329	91,363,828	91,510,172
1,627,477	1,640,793	2,121,814	3,127,875	37,133,818	34,210,064	37,140,868	37,063,542	36,889,932	36,913,842	37,126,834
212,065	213,771	235,558	398,442	4,275,392	3,808,286	4,270,892	4,306,421	4,329,662	4,384,428	4,475,042
234,107	237,046	375,552	852,326	7,837,409	7,262,308	7,882,279	7,679,957	7,466,894	7,296,155	7,159,750
5,317,490	5,358,558	7,452,257	11,874,972	141,735,422	130,991,917	141,826,235	141,267,625	140,263,807	139,956,053	140,271,597
41,358	42,037	59,092	93,648	1,126,126	1,041,994	1,126,911	1,122,031	1,113,605	1,110,637	1,112,442
58,408	64,896	124,825	104,999	778,251	778,251	778,251	778,251	778,251	778,251	778,251
771,200	757,192	908,013	949,373	10,259,950	10,259,950	10,259,950	10,259,950	10,259,950	10,259,950	10,259,950
122,891	114,741	121,032	116,923	1,475,220	1,475,220	1,475,220	1,475,220	1,475,220	1,475,220	1,475,220
992,358	978,866	1,212,983	1,265,143	13,839,547	13,555,415	13,840,332	13,835,452	13,627,026	13,624,058	13,625,864
6,309,845	6,337,423	8,665,230	13,140,114	155,374,989	144,547,331	155,466,566	154,903,077	153,890,833	153,582,111	153,897,480
2,111,649	2,165,817	3,906,855	7,611,134	90,265,243	79,241,239	90,324,559	90,014,932	89,260,094	89,203,343	89,765,900
4,198,196	4,171,808	4,758,376	5,528,980	65,109,726	65,308,092	65,142,007	64,888,144	64,630,740	64,378,769	64,131,560
10,355,578	15,416,418	20,473,889	25,257,953							
				9,415,216						
20,991	20,858	23,792	27,645	325,549	326,530	325,710	324,441	323,154	321,894	320,658
4,281,194	4,133,745	4,198,195	4,171,606	65,142,007		64,907,727	64,649,850	64,397,548	64,146,567	
(82,998)	37,861	660,180	1,357,374	(32,281)		#REF!	#REF!	#REF!	#REF!	
25,527.12	25,723.03	36,083.54	57,382.65	687,300.15		#REF!	#REF!	#REF!	#REF!	
				4,429,379						

		Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13		
CUSTOMERS														
Residential	151,511	150,823	151,649	151,892	156,152	156,498	156,643	156,660	155,122	155,085	152,852	151,980	153,903	158,152
Commercial	16,839	16,772	17,011	17,282	17,709	17,764	17,751	17,819	17,430	17,430	17,102	16,910	17,317	17,709
Industrial	196	203	222	205	202	215	211	211	205	211	210	197	207	202
Other - Public Authority	1,574	1,565	1,571	1,546	1,596	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,575	1,596
Total	170,120	169,363	170,453	170,905	175,659	176,027	176,186	176,268	174,328	174,308	171,739	170,672	173,002	175,659
MCF (Cycle Bill Month)														
Residential	163,483	168,261	378,443	822,362	1,478,592	1,915,874	1,872,806	1,329,763	895,164	424,796	202,684	159,307	9,809,334	1,457,478
Commercial	148,135	152,511	220,892	373,767	589,234	728,047	712,803	538,220	389,832	237,790	164,079	148,772	4,404,083	580,985
Industrial	32,819	33,539	38,381	61,770	86,191	128,987	92,304	66,757	37,357	34,891	27,207	22,800	660,801	86,191
Other - Public Authority	27,570	27,977	49,447	93,123	159,704	197,412	193,114	139,857	98,134	52,536	30,823	26,770	1,098,566	154,576
Total	372,007	382,288	685,163	1,351,021	2,311,721	2,970,320	2,870,827	2,074,897	1,420,487	749,912	424,793	357,749	15,970,884	2,279,230

Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Fiscal Years						
											2015	2016	2017	2018	2019	2020	2021
156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,849	156,152	154,258	153,903	153,903	153,903	153,803	153,903	153,603
17,764	17,751	17,819	17,430	17,430	17,102	16,910	16,839	16,772	17,011	17,709	17,354	17,317	17,317	17,317	17,317	17,317	17,317
215	211	211	205	211	210	197	196	203	222	202	207	207	207	207	207	207	207
1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,585	1,571	1,596	1,580	1,575	1,575	1,575	1,575	1,575	1,575
176,027	176,186	176,268	174,326	174,308	171,739	170,872	170,120	169,383	170,453	175,659	173,399	173,002	173,002	173,002	173,002	173,002	173,002
1,891,683	1,848,889	1,312,050	882,288	417,117	197,501	154,626	154,148	158,847	364,413	1,457,478	10,296,527	9,796,960	9,656,539	9,513,132	9,369,728	9,226,305	9,082,868
716,853	701,916	530,786	385,203	236,133	163,812	148,772	148,135	152,442	218,212	590,995	4,564,225	4,404,046	4,354,185	4,304,327	4,254,470	4,204,607	4,154,748
128,987	92,304	66,757	37,357	34,891	27,207	22,900	32,819	33,539	36,381	86,191	685,322	660,901	660,901	660,901	660,901	660,901	660,901
190,899	186,740	135,303	94,834	50,709	29,700	25,777	25,588	25,981	46,104	154,576	1,120,797	1,094,582	1,057,977	1,021,372	984,767	948,163	911,580
2,928,432	2,829,849	2,044,886	1,399,682	739,650	418,220	352,074	380,700	370,808	665,110	2,279,230	16,668,871	15,959,490	15,729,602	15,499,732	15,269,864	15,039,976	14,810,077

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Rev	Res	\$13,559,696	\$13,621,370	\$10,321,399	\$7,657,292	\$5,165,176	\$3,590,539	Rev	Res
	Com	\$4,912,519	\$4,842,495	\$3,892,481	\$2,984,154	\$2,270,526	\$1,746,094		Com
	Ind	\$727,942	\$537,385	\$360,265	\$214,786	\$222,180	\$177,049		Ind
	PA	\$1,209,617	\$1,215,554	\$993,532	\$648,395	\$418,899	\$269,105		PA
	Trans	\$1,188,913	\$1,103,663	\$977,942	\$915,394	\$923,469	\$879,207		Trans
	Other	\$223,205	\$222,863	\$173,662	\$140,113	\$114,209	\$94,804		Other
	Gas Cost	\$14,275,650	\$14,250,291	\$10,316,769	\$7,058,695	\$4,362,951	\$2,463,057		Gas Cost
Mcf	Res	1,915,874	1,872,508	1,323,753	895,164	424,766	202,694	Mcf	Res
	Com	728,047	712,603	536,220	389,932	237,790	164,079		Com
	Ind	128,537	92,304	65,757	37,367	34,891	27,207		Ind
	PA	157,412	193,114	139,957	98,134	62,536	30,823		PA
	Trans	2,706,252	2,443,733	2,214,479	2,127,556	2,135,269	2,026,975		Trans
		Gas Cost							
Rev (1000)	Res	\$13,560	\$13,621	\$10,321	\$7,657	\$5,165	\$3,591	Rev (1000)	Res
	Com	4,913	4,842	3,892	2,984	2,271	1,746		Com
	Ind	728	537	360	215	222	177		Ind
	PA	1,207	1,216	899	648	418	269		PA
	Trans	1,189	1,104	978	915	923	879		Trans
	Other	223	223	173	140	114	95		Other
	Gas Cost	14,276	14,260	10,317	7,059	4,363	2,468		Gas Cost
Mcf (1000)	Res	1,916	1,873	1,330	895	425	203	Mcf (1000)	Res
	Com	728	713	538	390	238	164		Com
	Ind	129	92	67	37	35	27		Ind
	PA	197	193	140	98	63	31		PA
	Trans	2,706	2,444	2,214	2,128	2,135	2,027		Trans
		Gas Cost							

Oct-13 (x)	Nov-13 (y)	Dec-13 (z)	Jan-14 (aa)	Feb-14 (ab)	Mar-14 (ac)	Apr-14 (ad)	May-14 (ae)	Jun-14 (af)	Jul-14 (ag)	Aug-14 (ah)	Sep-14 (ai)	Oct-14 (aj)	Nov-14 (ak)	Dec-14 (al)	Jan-15 (am)	Feb-15 (an)	Mar-15 (ao)	Apr-15 (ap)	May-15 (aq)	Jun-15 (ar)	Jul-15 (as)	Aug-15 (at)	Sep-15 (au)	Oct-15 (av)
151,649	151,832	155,162	155,468	155,643	155,660	155,122	155,095	152,952	151,980	151,611	150,623	151,649	151,992	155,162	155,468	155,643	155,660	155,122	155,095	152,952	151,980	151,511	150,823	151,649
571,421	610,482	1,457,478	1,891,683	1,848,889	1,312,050	882,288	417,117	197,504	154,625	154,148	158,647	364,413	798,803	1,438,364	1,857,492	1,825,172	1,284,340	869,412	409,439	192,333	149,943	149,480	154,141	357,391
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
371,421	810,482	1,457,478	1,891,683	1,848,889	1,312,050	882,288	417,117	197,504	154,625	154,148	158,647	364,413	798,803	1,438,364	1,857,492	1,825,172	1,284,340	869,412	409,439	192,333	149,943	149,480	154,141	357,391
\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.81	\$5.91	\$5.82	\$5.82	\$5.82	\$5.80	\$5.80	\$5.80	\$5.80	\$5.86	\$5.86	\$5.86	\$5.92	\$5.92
\$2,195,774	\$4,649,429	\$9,369,199	\$10,949,533	\$10,585,987	\$7,512,322	\$5,051,623	\$2,442,892	\$1,156,682	\$955,576	\$910,701	\$938,463	\$2,162,840	\$4,848,846	\$8,373,037	\$10,871,066	\$10,584,126	\$7,505,844	\$5,041,699	\$2,400,304	\$1,127,637	\$979,029	\$884,205	\$911,776	\$2,114,042
17,007	17,258	17,705	17,761	17,743	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258	17,705	17,761	17,743	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007
177,621	334,622	630,185	644,857	632,180	488,471	360,599	222,479	149,673	123,597	110,619	82,613	176,529	330,795	522,593	634,771	622,350	479,618	356,259	220,916	149,429	123,597	110,619	82,796	175,436
40,286	29,251	45,962	70,089	67,789	42,688	23,924	13,695	14,092	25,133	37,486	66,401	40,018	28,917	45,304	88,993	66,734	42,065	23,636	13,500	14,069	25,133	37,486	66,386	39,771
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217,587	363,873	576,147	714,346	699,969	529,137	384,523	236,074	163,765	148,730	148,105	149,214	216,547	359,712	567,687	703,764	689,084	521,683	379,895	234,416	163,498	148,730	148,105	149,181	215,207
\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.81	\$5.91	\$5.82	\$5.82	\$5.82	\$5.80	\$5.80	\$5.80	\$5.86	\$5.86	\$5.86	\$5.92	\$5.92	\$5.92
\$1,292,109	\$2,986,682	\$3,304,426	\$4,100,491	\$4,007,738	\$3,029,623	\$2,201,622	\$1,382,588	\$959,104	\$871,050	\$875,000	\$981,552	\$1,279,353	\$2,083,953	\$3,305,855	\$4,096,767	\$3,995,980	\$3,025,226	\$2,203,001	\$1,374,245	\$968,494	\$871,916	\$976,072	\$884,437	\$1,272,984
213	197	193	208	204	205	198	203	202	191	186	196	213	197	193	208	204	205	198	203	202	191	186	196	213
11,673	22,672	29,514	41,246	32,937	31,649	16,656	13,091	9,686	6,944	10,451	8,341	11,673	22,672	29,514	41,246	32,937	31,649	16,656	13,091	9,886	6,944	10,451	8,391	11,673
7,930	19,249	27,039	71,528	47,445	23,613	7,919	4,815	4,762	3,725	6,596	8,044	7,930	19,249	27,039	71,528	47,445	23,613	7,919	4,815	4,782	3,725	6,599	8,044	7,930
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19,603	41,920	56,553	116,111	80,382	56,262	24,514	17,907	14,688	10,670	17,050	16,435	19,603	41,920	56,553	116,111	80,382	56,262	24,514	17,907	14,668	10,670	17,050	16,436	19,603
\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.81	\$5.91	\$5.82	\$5.82	\$5.82	\$5.80	\$5.80	\$5.80	\$5.86	\$5.86	\$5.86	\$5.92	\$5.92	\$5.92
\$115,691	\$240,429	\$324,356	\$665,940	\$460,234	\$316,408	\$140,358	\$104,872	\$85,904	\$62,488	\$100,731	\$97,096	\$115,816	\$244,027	\$329,210	\$675,907	\$466,132	\$320,463	\$142,166	\$104,977	\$85,990	\$62,551	\$100,854	\$97,215	\$115,958
1,571	1,546	1,596	1,590	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	1,566	1,590	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571
36,382	73,352	119,641	141,815	143,096	109,900	82,260	43,431	26,158	24,337	21,128	23,267	35,110	70,678	115,671	195,977	193,126	105,120	79,398	41,867	25,166	23,388	20,314	22,364	33,837
11,383	16,733	34,935	49,084	43,734	25,403	12,574	7,278	3,544	4,470	2,724	10,394	16,169	33,777	47,410	42,241	24,630	12,137	7,016	3,410	1,385	4,297	2,619	10,585	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47,775	90,085	154,576	190,869	186,740	136,303	84,834	50,706	29,700	25,777	25,596	25,981	46,104	87,047	149,446	184,387	180,367	130,650	91,533	48,883	28,576	24,783	24,511	24,983	44,432
\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.81	\$5.91	\$5.82	\$5.82	\$5.82	\$5.80	\$5.80	\$5.80	\$5.86	\$5.86	\$5.86	\$5.92	\$5.92	\$5.92
\$282,437	\$516,972	\$886,553	\$1,084,679	\$1,069,197	\$774,690	\$542,901	\$296,992	\$173,941	\$190,995	\$151,232	\$153,495	\$272,361	\$506,720	\$869,970	\$1,073,358	\$1,045,944	\$757,636	\$530,798	\$266,673	\$167,525	\$145,268	\$145,679	\$147,780	\$262,626
4	4	4	3	3	3	3	4	2	2	2	3	4	4	4	3	3	3	3	4	2	2	2	3	4
1,665	5,732	4,838	1,917	1,847	1,629	680	69	47	42	30	3,228	1,665	5,732	4,838	1,917	1,847	1,629	680	69	47	42	30	3,228	1,665
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,665	5,732	4,838	1,917	1,847	1,629	680	69	47	42	30	3,228	1,665	5,732	4,838	1,917	1,847	1,629	680	69	47	42	30	3,228	1,665
\$4.70	\$4.53	\$4.53	\$4.53	\$4.60	\$4.60	\$4.63	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.68	\$4.60	\$4.60	\$4.60	\$4.60	\$4.62	\$4.62	\$4.62	\$4.62	\$4.62	\$4.67	\$4.67
\$7,832	\$25,956	\$21,910	\$9,681	\$8,763	\$7,332	\$3,060	\$273	\$219	\$195	\$142	\$15,116	\$7,796	\$26,346	\$22,239	\$8,811	\$9,870	\$7,421	\$3,098	\$272	\$219	\$194	\$142	\$15,079	\$7,777
9	8	9	7	7	6	7	8	8	6	7	9	8	8	9	7	7	6	7	8	8	6	10	7	9
16,778	19,850	21,764	12,875	11,922	11,495	12,842	16,785	12,539	12,230	15,789	17,104	16,778	19,850	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,789	17,104	16,778
0	0	7,673	0	0	0	0	0	0	0	0	0	0	0	7,873	0	0	0	0	0	0	0	0	0	0
16,778	19,850	29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,789	17,104	16,778	19,850	29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,789	17,104	16,778
\$4.70	\$4.53	\$4.53	\$4.63	\$4.60	\$4.60	\$4.63	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.68	\$4.60	\$4.60	\$4.60	\$4.60	\$4.62	\$4.62	\$4.62	\$4.62	\$4.62	\$4.67	\$4.67
\$76,937	\$89,697	\$134,210	\$58,308	\$53,666	\$51,732	\$57,798	\$77,738	\$59,075	\$56,643	\$73,843	\$80,096	\$78,569	\$91,232	\$136,216	\$99,180	\$84,309	\$82,362	\$68,801	\$77,524	\$57,915	\$56,497	\$73,693	\$79,901	\$78,378

\$4,769,885	\$7,708,975	\$12,192,276	\$15,164,747	\$14,856,627	\$11,192,693	\$9,237,262	\$5,116,325	\$3,556,660	\$3,245,937	\$3,243,841	\$3,266,947
\$2,131,998	\$3,124,942	\$4,581,699	\$5,508,991	\$5,400,070	\$4,243,109	\$3,243,406	\$2,261,681	\$1,746,005	\$1,630,887	\$1,627,477	\$1,640,793
\$238,002	\$393,498	\$640,467	\$845,043	\$804,535	\$438,416	\$240,808	\$222,250	\$177,114	\$146,924	\$212,095	\$213,771
\$387,315	\$665,436	\$1,102,035	\$1,345,077	\$1,316,621	\$971,475	\$699,234	\$405,837	\$261,669	\$235,426	\$234,107	\$237,046
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
\$194,513	\$199,037	\$210,808	\$242,380	\$237,563	\$193,672	\$147,408	\$113,638	\$94,465	\$86,482	\$98,266	\$106,993
\$3,968,880	\$7,608,325	\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,549	\$2,165,817
371,421	810,482	1,457,478	1,891,683	1,848,899	1,312,060	882,288	417,117	197,601	154,625	154,148	156,847
219,562	363,605	580,985	716,863	701,916	530,766	395,203	236,133	163,812	148,772	148,135	152,442
36,361	61,770	86,191	126,987	92,304	66,757	37,357	34,691	27,207	22,800	32,819	33,539
47,775	90,085	154,576	190,899	186,740	135,803	94,834	60,709	29,700	25,777	25,586	25,961
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
\$4,770	\$7,709	\$12,192	\$15,165	\$14,857	\$11,193	\$8,237	\$5,116	\$3,557	\$3,246	\$3,244	\$3,267
2,132	3,125	4,582	5,509	5,400	4,243	3,243	2,262	1,746	1,631	1,627	1,641
236	393	640	845	805	438	241	222	177	147	212	214
387	665	1,102	1,345	1,317	971	699	407	262	235	234	237
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
185	199	211	242	238	184	147	114	84	86	98	107
3,969	7,608	13,031	16,778	16,186	11,692	7,997	4,305	2,434	2,047	2,112	2,166
371	810	1,467	1,892	1,849	1,312	882	417	198	155	154	159
220	370	581	717	702	531	385	236	164	149	148	152
36	62	96	129	92	67	37	35	27	23	33	34
48	90	155	191	187	135	95	61	30	26	26	26
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!
#REF!

Nov-15 (aw)	Dec-15 (ax)	Jan-16 (ay)	Feb-16 (az)	Mar-16 (ba)	Apr-16 (bb)	May-16 (bc)	Jun-16 (bd)	Jul-16 (be)	Aug-16 (bf)	Sep-16 (bn)	Oct-16 (bh)	Nov-16 (bi)	Dec-16 (bj)	Jan-17 (bk)	Feb-17 (bl)	Mar-17 (bm)	Apr-17 (bn)	May-17 (bo)	Jun-17 (bp)	Jul-17 (bq)	Aug-17 (br)	Sep-17 (bs)	Oct-17 (bt)	Nov-17 (bu)
151,892	156,152	152,468	156,643	156,660	155,122	155,085	162,852	161,980	161,511	160,823	161,649	161,892	156,152	158,468	159,643	166,660	166,122	165,085	162,852	161,980	161,511	160,823	161,649	161,892
786,724	1,419,249	1,843,301	1,801,471	1,276,636	886,636	401,761	187,150	145,261	144,813	149,434	350,368	774,845	1,400,135	1,819,125	1,777,754	1,258,917	843,658	394,084	181,987	140,579	140,145	144,727	343,346	762,966
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
786,724	1,419,249	1,843,301	1,801,471	1,276,636	886,636	401,761	187,150	145,261	144,813	149,434	350,368	774,845	1,400,135	1,819,125	1,777,754	1,258,917	843,658	394,084	181,987	140,579	140,145	144,727	343,346	762,966
\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.82	\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.06
\$4,605,644	\$8,308,575	\$10,791,063	\$10,515,064	\$7,462,205	\$4,959,917	\$2,360,010	\$1,109,666	\$660,518	\$666,916	\$694,477	\$2,097,220	\$4,598,933	\$8,310,032	\$10,796,606	\$10,526,232	\$7,464,133	\$4,995,362	\$2,379,042	\$1,098,515	\$846,660	\$854,657	\$662,599	\$2,093,653	\$4,626,259
17,258	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,768	17,007	17,258	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258
326,969	515,002	624,686	612,517	472,765	351,620	219,367	149,166	123,597	110,619	82,775	174,344	323,141	507,410	614,597	602,687	465,912	347,579	217,795	148,940	123,597	110,619	82,756	173,251	319,315
28,582	44,846	67,897	65,680	41,464	23,348	13,404	14,046	26,132	37,496	66,370	39,523	28,248	43,966	66,800	64,826	40,863	23,060	13,309	14,023	26,133	37,496	66,366	39,275	27,913
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365,651	559,646	692,582	673,197	514,229	375,268	232,761	163,232	148,730	145,105	149,145	213,667	351,389	551,368	661,357	667,313	506,775	370,639	231,104	162,963	148,730	145,105	149,112	212,526	347,228
\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.82	\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.06
\$2,081,469	\$3,276,234	\$4,054,517	\$3,956,631	\$3,001,748	\$2,190,681	\$1,373,863	\$966,377	\$881,068	\$886,521	\$892,747	\$1,280,157	\$2,085,562	\$3,272,626	\$4,044,203	\$3,951,206	\$3,000,649	\$2,194,579	\$1,395,160	\$983,790	\$897,667	\$903,200	\$909,341	\$1,296,063	\$2,105,442
197	193	208	204	205	198	203	202	191	186	196	213	197	193	208	204	205	198	203	202	191	186	196	213	197
22,672	29,514	41,246	32,937	31,649	16,595	13,091	9,886	6,944	10,451	8,381	11,673	22,672	29,514	41,246	32,937	31,649	16,595	13,091	9,886	6,944	10,451	8,391	11,673	22,672
19,249	27,039	71,509	47,445	23,613	7,918	4,815	4,762	3,726	6,599	8,044	7,930	19,249	27,039	71,529	47,445	23,613	7,919	4,815	4,782	3,726	6,598	8,044	7,930	19,249
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41,920	56,553	116,111	80,362	55,262	24,514	17,907	14,668	10,670	17,059	16,435	19,603	41,920	56,553	116,111	80,362	55,262	24,514	17,907	14,668	10,670	17,059	16,435	19,603	41,920
\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.82	\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.06
\$245,410	\$331,075	\$679,736	\$489,219	\$322,565	\$143,068	\$106,078	\$86,832	\$63,207	\$102,057	\$98,374	\$117,341	\$248,804	\$336,954	\$699,137	\$475,946	\$327,210	\$145,149	\$109,101	\$88,549	\$64,412	\$103,977	\$100,225	\$119,548	\$264,186
1,546	1,696	1,580	1,561	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	1,696	1,580	1,591	1,576	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546
68,404	111,702	132,139	133,245	102,340	76,534	40,303	24,177	22,461	19,500	21,470	32,594	65,930	107,733	127,302	128,364	98,590	73,671	38,739	23,167	21,523	18,686	20,576	31,231	63,457
15,605	32,618	45,736	40,748	23,858	11,699	6,754	3,276	1,329	4,125	2,514	10,197	15,041	31,459	44,061	39,256	22,782	11,252	6,491	3,142	1,274	3,953	2,410	9,799	14,476
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64,009	144,320	177,875	173,993	125,996	88,233	47,057	27,453	23,790	23,626	23,984	42,761	80,971	139,192	171,363	167,620	121,342	84,933	45,230	26,329	22,797	22,639	22,966	41,090	77,933
\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.82	\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.06
\$491,806	\$844,679	\$1,041,317	\$1,016,663	\$736,466	\$515,049	\$278,763	\$162,630	\$140,931	\$141,414	\$143,563	\$256,957	\$486,876	\$826,127	\$1,017,068	\$992,469	\$718,474	\$502,994	\$273,049	\$158,945	\$137,623	\$138,081	\$140,177	\$260,582	\$472,652
4	4	3	3	3	3	4	2	2	2	3	4	4	4	3	3	3	3	4	2	2	2	3	4	4
5,732	4,898	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,898	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5,732	4,898	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,898	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732
\$4.61	\$4.61	\$4.61	\$4.57	\$4.57	\$4.57	\$4.66	\$4.66	\$4.72	\$4.72	\$4.72	\$4.67	\$4.67	\$4.67	\$4.64	\$4.64	\$4.64	\$4.64	\$4.75	\$4.75	\$4.75	\$4.82	\$4.82	\$4.82	\$4.76
\$26,429	\$22,308	\$8,839	\$8,907	\$7,463	\$3,111	\$275	\$221	\$196	\$143	\$15,245	\$7,962	\$26,763	\$22,609	\$8,957	\$9,032	\$7,567	\$3,154	\$280	\$225	\$200	\$146	\$15,544	\$8,017	\$27,405
6	9	7	7	6	7	8	8	6	10	7	9	8	9	7	7	6	7	9	8	6	10	7	9	8
19,650	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850
0	7,873	0	0	0	0	0	0	0	0	0	0	0	7,873	0	0	0	0	0	0	0	0	0	0	0
19,650	29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850
\$4.61	\$4.61	\$4.61	\$4.57	\$4.57	\$4.57	\$4.66	\$4.66	\$4.72	\$4.72	\$4.72	\$4.67	\$4.67	\$4.67	\$4.64	\$4.64	\$4.64	\$4.64	\$4.75	\$4.75	\$4.75	\$4.82	\$4.82	\$4.82	\$4.76
\$91,517	\$136,644	\$59,385	\$54,538	\$52,532	\$58,748	\$76,234	\$58,448	\$57,004	\$74,473	\$80,780	\$79,240	\$92,743	\$138,474	\$60,160	\$55,289	\$52,317	\$59,568	\$79,798	\$69,614	\$58,143	\$75,937	\$82,367	\$90,797	\$94,899

Dec-17 (bv)	Jan-18 (bw)	Feb-18 (bx)	Mar-18 (bv)	Apr-18 (bz)	May-18 (ca)	Jun-18 (cb)	Jul-18 (cc)	Aug-18 (cd)	Sep-18 (ca)	Oct-18 (cf)	Nov-18 (ca)	Dec-18 (ch)
156,152	156,468	156,643	156,660	155,122	155,085	152,852	151,990	151,511	150,823	151,649	151,892	151,152
1,361,021	1,794,934	1,754,057	1,241,213	830,767	366,406	175,785	135,896	135,477	140,020	336,323	751,087	1,361,907
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1,361,021	1,794,934	1,754,057	1,241,213	830,767	366,406	175,785	135,896	135,477	140,020	336,323	751,087	1,361,907
\$6.06	\$6.06	\$6.03	\$6.03	\$5.03	\$5.21	\$5.21	\$6.21	\$6.33	\$6.33	\$6.33	\$6.33	\$6.33
\$8,373,920	\$10,653,712	\$10,580,420	\$7,487,045	\$5,011,219	\$2,401,458	\$1,098,693	\$844,574	\$858,108	\$866,884	\$2,130,262	\$4,757,368	\$8,826,288
17,705	17,761	17,748	17,816	17,427	17,428	17,100	16,908	16,837	16,769	17,007	17,256	17,705
499,819	604,511	592,856	459,058	343,239	216,234	149,699	123,597	110,919	82,737	172,180	315,499	492,226
43,330	65,704	63,572	40,262	22,772	13,213	14,000	25,133	37,486	66,341	39,028	27,579	42,672
0	0	0	0	0	0	0	0	0	0	0	0	0
543,149	670,215	656,428	499,320	366,011	229,447	162,699	149,730	149,105	149,076	211,188	342,067	524,898
\$6.06	\$6.06	\$6.03	\$6.03	\$5.03	\$5.21	\$5.21	\$6.21	\$6.33	\$6.33	\$6.33	\$6.33	\$6.33
\$3,293,423	\$4,063,897	\$3,959,599	\$3,011,918	\$2,207,793	\$1,425,980	\$1,011,132	\$924,336	\$938,094	\$944,257	\$1,337,660	\$2,172,679	\$3,388,032
193	209	204	205	198	203	202	191	186	196	213	197	193
29,514	41,246	32,937	31,649	16,696	13,091	9,896	6,944	10,451	6,391	11,673	22,672	29,514
27,039	71,526	47,445	23,613	7,919	4,815	4,792	3,725	6,599	8,044	7,930	19,249	27,039
0	3,337	0	0	0	0	0	0	0	0	0	0	0
56,553	116,111	80,282	55,262	24,514	17,907	14,698	10,670	17,050	16,435	19,603	41,920	56,553
\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$5.21	\$5.21	\$5.21	\$6.33	\$6.33	\$6.33	\$6.33	\$6.33
\$342,916	\$704,046	\$484,868	\$333,343	\$147,870	\$111,288	\$91,159	\$68,311	\$107,994	\$104,097	\$124,167	\$265,522	\$358,208
1,586	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	1,586
103,764	122,463	123,484	94,761	70,909	37,175	22,198	20,598	17,872	18,883	30,018	60,993	92,795
30,300	42,337	37,763	21,908	10,824	6,229	3,009	1,219	3,791	2,305	0,400	13,912	29,141
0	0	0	0	0	0	0	0	0	0	0	0	0
134,064	164,859	161,247	116,669	81,632	43,404	25,206	21,804	21,653	21,996	38,416	74,695	128,936
\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$5.21	\$5.21	\$5.21	\$6.33	\$6.33	\$6.33	\$6.33	\$6.33
\$912,907	\$999,590	\$972,648	\$703,873	\$492,407	\$269,750	\$156,652	\$135,509	\$137,150	\$139,271	\$249,573	\$474,393	\$916,678
4	3	3	3	3	4	2	2	2	3	4	4	4
4,836	1,917	1,847	1,629	680	59	47	42	30	3,226	1,665	5,732	4,836
0	0	0	0	0	0	0	0	0	0	0	0	0
4,836	1,917	1,847	1,629	680	59	47	42	30	3,226	1,665	5,732	4,836
\$4.75	\$4.78	\$4.75	\$4.75	\$4.75	\$4.93	\$4.93	\$4.93	\$5.05	\$5.05	\$5.05	\$4.97	\$4.97
\$23,132	\$9,165	\$9,248	\$7,797	\$3,230	\$291	\$234	\$207	\$153	\$16,305	\$8,409	\$23,462	\$24,024
9	7	7	6	7	8	8	6	10	7	9	6	9
21,764	12,876	11,922	11,495	12,842	16,795	12,539	12,230	15,769	17,104	16,778	19,650	21,764
7,873	0	0	0	0	0	0	0	0	0	0	0	7,873
29,637	12,876	11,922	11,495	12,842	16,795	12,539	12,230	15,769	17,104	16,778	19,650	29,637
\$4.78	\$4.78	\$4.75	\$4.75	\$4.75	\$4.93	\$4.93	\$4.93	\$5.05	\$5.05	\$5.05	\$4.97	\$4.97
\$141,693	\$81,559	\$86,622	\$54,592	\$80,994	\$82,765	\$81,845	\$80,320	\$79,652	\$86,397	\$84,750	\$93,560	\$147,159

123	120	120	121	121	121	121	122	122	123	122	122	123
\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000	\$6,000
\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	\$5,100
\$224	\$346	\$336	\$126	\$125	\$153	\$128	\$82	\$45	\$57	\$72	\$88	\$224
36,353	35,614	35,864	35,335	35,061	34,117	33,995	33,140	33,595	34,195	35,878	36,384	36,353
476,710	536,109	496,857	415,732	380,716	363,940	342,748	323,535	351,070	344,785	432,904	472,773	476,710
83,153	91,879	73,659	80,513	45,809	40,936	40,735	33,780	47,393	46,579	61,703	75,697	83,153
596,216	663,802	606,380	514,660	461,708	438,993	417,473	390,425	432,028	425,519	530,595	585,754	596,216

65	66	66	66	66	67	66	66	66	66	66	65	65
\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,350	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,250
\$2,550	\$2,700	\$2,775	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$2,550
\$258	\$548	\$518	\$440	\$320	\$420	\$420	\$322	\$450	\$399	\$913	\$202	\$258
424,898	446,777	423,495	391,729	372,011	394,959	380,227	382,369	361,407	378,888	440,655	452,458	424,898
167,000	277,361	244,305	194,835	186,441	191,966	158,090	139,951	163,234	148,445	202,993	184,699	167,000
591,898	724,138	667,800	586,564	558,452	586,925	538,317	502,320	544,641	525,144	643,648	637,147	591,898

18	18	18	18	18	18	18	18	18	18	18	18	18
\$850	\$875	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$850
\$825	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$825
\$847	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$585	\$819	\$847
1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,898	1,078,713	1,083,175
\$112,756	\$132,088	\$120,868	\$114,621	\$115,670	\$113,640	\$112,614	\$107,404	\$114,861	\$108,445	\$113,371	\$108,929	\$112,756
1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,898	1,078,713	1,083,175

\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,826	\$104,989	\$64,443
\$144,639	\$178,181	\$174,127	\$132,469	\$96,400	\$53,215	\$45,194	\$41,519	\$41,626	\$41,905	\$56,843	\$94,442	\$147,227

\$6,504,825	\$7,334,321	\$7,153,808	\$6,183,947	\$5,394,050	\$4,689,560	\$4,252,069	\$4,108,462	\$4,173,315	\$4,146,202	\$4,714,831	\$5,446,816	\$6,472,070
\$12,987,991	\$16,721,958	\$16,063,403	\$11,698,808	\$7,923,512	\$4,291,551	\$2,419,715	\$2,031,257	\$2,121,151	\$2,177,210	\$3,934,921	\$7,797,274	\$13,360,390
\$19,492,615	\$24,056,279	\$23,217,211	\$17,782,455	\$13,317,562	\$8,981,101	\$6,671,784	\$6,139,709	\$6,294,466	\$6,323,492	\$8,649,752	\$13,244,091	\$19,832,460

\$6,295,543	\$7,094,223	\$6,918,928	\$6,002,268	\$5,248,080	\$4,576,520	\$4,168,030	\$4,022,365	\$4,075,281	\$4,039,580	\$4,531,162	\$5,247,375	\$6,260,400
\$12,987,991	\$16,721,958	\$16,063,403	\$11,598,609	\$7,923,512	\$4,291,551	\$2,419,715	\$2,031,257	\$2,121,151	\$2,177,210	\$3,934,921	\$7,797,274	\$13,360,390

2,540,262	2,791,842	2,235,465	1,719,697	948,728	500,026	326,210	317,443	322,626	407,086	878,026	1,588,429	2,501,229
1,684,492	1,827,928	1,455,975	1,103,376	578,729	259,379	136,621	136,093	135,673	197,101	530,392	1,021,197	1,661,662
638,095	680,276	563,873	459,365	287,939	190,456	151,094	146,869	146,244	166,508	279,903	426,972	627,767
56,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	59,553
161,162	167,527	135,335	104,694	59,546	32,294	21,827	21,611	21,659	27,042	59,628	98,340	165,027
34,476	14,793	13,669	13,124	13,522	16,844	12,587	12,272	15,799	20,332	19,443	25,682	34,476

2,574,738	2,806,635	2,249,335	1,732,821	962,251	516,889	338,796	329,715	338,425	427,417	896,469	1,614,011	2,595,705
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ATMOS ENERGY CORPORATION - KENTUCKY
SUMMARY OF REVENUE AT PRESENT RATES
TEST YEAR ENDING NOVEMBER 30, 2014

Line No.	Description	Block (Mcf)	Reference Period - Twelve Months Ending 12/31/2012					Forward-looking Adjustments To Test Year		Total Test Year Volumes (f)	Present Margin (j)	Present Revenue (k)
			Number of Bills, Units (a)	Volumes As Metered (b)	Contract Adj. Bills and Volumes (c)	Weather Adj. Volumes (NOAA 1991-2010) (d)	Total Volumes (e)	Customer Growth Forecast (f)	Conservation & Efficiency Adjustments (g)			
1	<u>Sales</u>											
2	Firm Sales (G-1)	Customer Chrg	1,846,837						0		\$14.28	\$26,372,832
3		Customer Chrg	229,048		14						35.70	8,177,513
4		0 - 300		12,829,801	14,168	2,126,265	14,970,035	0	(405,617)	14,564,418	1.1000	16,020,860
5		301 - 15,000		899,149	(19,980)	63,611	942,780		(21,671)	921,109	0.7700	709,254
6		Over 15,000		3,337	0	0	3,337		0	3,337	0.5000	1,669
7	Interruptible Sales (G-2)	Customer Chrg	138		(9)						344.07	44,385
8		0 - 15,000		294,806	(91,038)		203,768			203,768	0.6870	139,989
9		Over 15,000		247,293	(239,420)		7,873			7,873	0.4670	3,677
10												
11	<u>Transportation</u>											
12	Firm Charges (T-4)	Customer Chrg	1,463		(5)						328.33	478,705
13	Customer Charges (T-3)	Customer Chrg	782		9						329.24	260,429
14	Customer Charges (SpK)	Customer Chrg	216		0						300.00	64,800
15	Transp. Adm. Fee	Customer Chrg	2,430		4						50.00	121,675
16	Parked Volumes [1]			237,004	0						0.10	23,700
17	EFM Charges										Various	105,800
18	Firm Transportation (T-4)	0 - 300		418,814	867		419,681			419,681	1.1930	500,679
19		301 - 15,000		4,780,751	157,210		4,937,961			4,937,961	0.8351	4,123,691
20		Over 15,000		470,216	232,590		702,806			702,806	0.5423	381,132
21	Interruptible Transportation (T-3)	0 - 15,000		4,835,024	14,460		4,849,484			4,849,484	0.6822	3,308,318
22		Over 15,000		2,230,522	6,578		2,237,100			2,237,100	0.4440	993,272
23	Total Special Contracts [2]			13,377,418	90,000		13,467,418			13,467,418	Various	1,372,968
24	Total Tariff		2,078,484	40,386,931	165,435	2,189,876	42,742,242	0	(427,287)	42,314,955		63,205,348
25												
26	Other Revenues											778,251
27	Late Payment Fees											1,126,126
28	Total Gross Profit											65,109,725
29												
30	Gas Costs											90,265,243
31												
32	Total Revenue											\$ 155,374,968
33												

34 [1] Parked Volumes not included in Total Deliveries.

35 [2] Based on confidential information.

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014

EXHIBIT MAM-7

Line No.	Class of Customers	Rate	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	RESIDENTIAL (Rate G-1)		\$4,877,036	\$5,690,715	\$5,623,675	\$4,647,842	\$3,921,846	\$3,162,095	\$2,767,954	\$2,694,028	\$2,675,746	\$2,672,406	\$3,021,106	\$3,733,592	\$45,278,040
2	FIRM BILLS	\$16.00	159,182	159,466	159,643	159,680	155,122	155,085	152,852	151,960	151,511	150,823	151,649	151,892	1,846,637
3	Sales: 1-300	1.6320	1,457,478	1,691,683	1,648,899	1,312,060	882,268	417,117	197,501	154,625	154,148	158,847	394,413	798,803	9,637,652
4	Sales: 301-15000	0.8800	0	0	0	0	0	0	0	0	0	0	0	0	
5	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	
6	CLASS TOTAL (Mcf/month)		1,457,478	1,691,683	1,648,899	1,312,060	882,268	417,117	197,501	154,625	154,148	158,847	394,413	798,803	9,637,652
7	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
8	Gas Costs		\$8,359,199	\$10,849,533	\$10,595,987	\$7,512,322	\$5,051,623	\$2,442,882	\$1,156,682	\$905,675	\$910,701	\$933,453	\$2,152,940	\$4,648,846	\$55,514,753
9															
10	FIRM COMMERCIAL (Rate G-1)		\$1,613,908	\$1,624,525	\$1,801,292	\$1,544,197	\$1,306,631	\$1,072,099	\$940,687	\$900,147	\$886,998	\$864,344	\$1,003,591	\$1,255,624	\$15,013,924
11	FIRM BILLS	40.00	17,705	17,761	17,748	17,818	17,427	17,426	17,100	16,908	16,637	16,769	17,007	17,258	207,762
12	Sales: 1-300	1.6320	530,185	644,857	632,180	496,471	360,599	222,479	149,673	123,597	130,619	176,629	330,795	3,850,797	6,284,501
13	Sales: 301-15000	0.8800	46,952	70,089	67,789	42,665	23,924	13,595	14,092	25,133	37,486	65,491	40,018	28,917	418,943
14	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	
15	CLASS TOTAL (Mcf/month)		576,147	714,845	899,969	629,137	384,623	236,074	183,765	148,730	148,105	149,214	216,547	359,712	4,326,869
16	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82		
17	Gas Costs		\$3,304,426	\$4,100,491	\$4,007,738	\$3,029,623	\$2,201,622	\$1,392,588	\$959,104	\$871,050	\$875,000	\$881,852	\$1,279,353	\$2,093,963	\$24,986,511
18															
19	FIRM INDUSTRIAL (Rate G-1)		\$79,682	\$140,647	\$103,665	\$80,631	\$41,872	\$33,723	\$28,422	\$22,252	\$30,303	\$28,612	\$34,549	\$61,819	\$696,276
20	FIRM BILLS	\$40.00	193	208	204	205	198	203	202	191	186	192	213	239	95,840
21	Sales: 1-300	1.6320	29,514	41,246	32,937	31,649	16,995	13,091	9,986	6,944	10,451	8,391	11,673	22,672	235,050
22	Sales: 301-15000	0.8800	27,039	71,528	47,445	23,613	7,919	4,815	4,782	6,589	8,044	7,930	19,249	232,686	383,602
23	Sales: Over 15000	0.6200	0	3,337	0	0	0	0	0	0	0	0	0	0	
24	CLASS TOTAL (Mcf/month)		56,593	116,111	80,382	55,262	24,514	17,907	14,688	10,670	17,050	16,435	19,803	41,920	471,075
25	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82		
26	Gas Costs		\$324,356	\$665,940	\$460,234	\$318,408	\$104,872	\$85,904	\$62,488	\$100,731	\$97,096	\$115,816	\$244,027	\$2,718,229	
27															
28	FIRM PUBLIC AUTHORITY (Rate G-1)		\$289,837	\$337,836	\$335,112	\$254,831	\$203,153	\$140,554	\$108,805	\$104,385	\$101,374	\$102,953	\$128,814	\$191,742	\$2,315,407
29	FIRM BILLS	\$40.00	1,585	1,580	1,581	1,578	1,571	1,582	1,675	1,685	1,674	1,665	1,671	1,546	758,160
30	Sales: 1-300	1.6320	119,641	141,615	143,006	109,909	82,260	43,451	26,156	24,337	21,128	23,257	35,110	70,879	840,919
31	Sales: 301-15000	0.8800	34,935	49,084	43,734	25,403	12,574	7,278	3,544	1,440	4,470	2,724	10,894	16,169	132,380
32	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	
33	CLASS TOTAL (Mcf/month)		154,576	190,689	166,740	136,303	84,634	50,769	29,700	25,777	25,598	25,981	46,104	97,047	1,053,268
34	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82		
35	Gas Costs		\$886,553	\$1,094,879	\$1,069,197	\$774,830	\$542,931	\$296,982	\$173,941	\$150,965	\$151,232	\$153,495	\$272,381	\$506,720	\$6,074,016
36															
37	INTERRUPTIBLE COMMERCIAL (G-2)		\$5,232	\$2,568	\$2,592	\$2,340	\$1,589	\$1,447	\$738	\$733	\$724	\$3,606	\$2,718	\$5,940	\$30,228
38	INT BILLS	350.00	4	3	3	3	3	2	2	2	2	3	4	4	
39	Sales: 1-15000	0.7920	4,839	1,917	1,947	1,629	890	59	47	42	30	3,228	1,866	5,732	
40	Sales: Over 15000	0.5310	0	0	0	0	0	0	0	0	0	0	0	1	
41	CLASS TOTAL (Mcf/month)		4,838	1,917	1,947	1,629	890	59	47	42	30	3,223	1,865	5,732	
42	Gas Charge per Mcf		\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
43	Gas Costs		\$21,910	\$8,681	\$8,763	\$7,332	\$3,060	\$273	\$219	\$195	\$142	\$15,116	\$7,736	\$26,345	
44															
45	INTERRUPTIBLE INDUSTRIAL (G-2)		\$24,588	\$12,648	\$11,892	\$11,204	\$12,621	\$16,093	\$12,731	\$11,786	\$15,989	\$15,996	\$16,438	\$18,521	\$180,487
46	INT BILLS	350.00	9	7	7	6	7	8	6	6	7	9	8	92	
47	Sales: 1-15000	0.7920	21,764	12,676	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,776	19,850	
48	Sales: Over 15000	0.5310	7,823	0	0	0	0	0	0	0	0	0	0	7,874	
49	CLASS TOTAL (Mcf/month)		29,637	12,676	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,776	19,850	
50	Gas Charge per Mcf		\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
51	Gas Costs		\$134,210	\$58,308	\$53,656	\$51,732	\$57,798	\$77,738	\$59,075	\$56,643	\$73,843	\$80,068	\$78,969	\$91,232	
52															
53	TRANSPORTATION (T-1)		\$584,762	\$640,895	\$585,119	\$514,780	\$474,498	\$465,114	\$438,107	\$413,902	\$447,248	\$442,583	\$531,931	\$577,097	\$6,114,030
54	TRANSPORTATION BILLS	350.00	123	120	120	121	121	121	122	122	122	123	122	122	
55	Trans Admin Fee		\$5,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000	\$71,750	
56	EFM Fee		\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,305	\$5,400	\$5,400	\$5,325	\$5,400	\$64,125	
57	Parking Fee		\$224	\$346	\$336	\$126	\$126	\$126	\$82	\$45	\$57	\$72	\$38	\$1,791	
58	Firm Transport: 1-300	1.6320	36,353	35,614	35,984	35,355	35,081	34,117	33,395	33,140	33,585	34,155	35,879	36,394	
59	Firm Transport: 301-15000	0.8800	476,710	595,103	496,857	415,732	380,718	363,940	342,748	323,635	351,070	344,785	432,984	472,773	
60	Firm Transport: Over 1500	0.6200	83,153	91,879	73,659	90,513	45,909	40,936	40,735	33,750	47,393	46,579	61,703	76,597	
61	CLASS TOTAL (Mcf/month)		896,216	963,802	906,380	511,580	461,708	436,853	417,478	390,425	432,028	425,519	530,565	565,754	
62															
63	TRANSPORTATION (T-2)		\$453,345	\$530,774	\$494,327	\$443,210	\$412,508	\$444,651	\$414,539	\$390,657	\$416,226	\$407,659	\$486,126	\$485,169	\$5,381,598
64	TRANSPORTATION BILLS	350.00	85	88	88	88	88	87	88	88	88	88	88	88	
65	Trans Admin Fee		\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,350	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,550	
66	EFM Fee		\$2,550	\$2,700	\$2,775	\$2,775	\$2,775	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$31,950	
67	Parking Fee		\$256	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	
68	Interrupt Transport: 1-15000	0.7920	424,698	446,777	423,495	391,729	372,011	394,959	380,227	362,266	381,407	378,699	440,655	452,458	
69	Interrupt Transport: Over 15000	0.5310	167,000	277,361	244,305	184,625	166,441	191,986	158,030	139,951	163,234	146,446	202,989	184,689	
70	CLASS TOTAL (Mcf/month)		591,698	724,138	667,600	586,354	536,452	586,925	538,317	502,320	544,641	525,144	643,648	637,147	
71															
72	SPECIAL CONTRACTS		\$120,678	\$141,344	\$129,118	\$122,769	\$123,770	\$122,302	\$121,534	\$118,120	\$122,891	\$114,741	\$121,032	\$116,923	\$1,475,220
73	TRANSPORTATION BILLS	300.00													

74 Charges for Transport Volumes	\$112,756	\$132,088	\$120,668	\$114,621	\$116,570	\$119,640	\$112,614	\$107,404	\$114,961	\$106,445	\$113,371	\$109,929	\$1,372,968	1,372,968
75 CLASS TOTAL (Mcf/month)	1,063,175	1,319,342	1,169,552	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,079,003	1,113,868	1,079,713	13,467,419	1,476,220

77 OTHER REVENUE														
78 Service Charges	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,915	\$46,645	\$44,569	\$56,403	\$64,696	\$124,826	\$104,999	\$778,251	
79 Late Payment Fees	\$156,514	\$195,143	\$191,249	\$145,742	\$108,509	\$69,677	\$50,079	\$46,052	\$45,929	\$46,028	\$64,446	\$101,930	\$1,223,298	
80														
81 TOTAL GROSS PROFIT	\$8,272,505	\$9,479,002	\$9,249,293	\$7,626,666	\$6,659,666	\$5,597,661	\$4,930,421	\$4,736,632	\$4,801,835	\$4,763,227	\$5,536,577	\$6,653,355	\$78,478,760	
82 Gas Costs	\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,549	\$2,165,617	\$3,906,655	\$7,611,134	\$90,265,243	
83 TOTAL REVENUE	\$21,303,159	\$26,256,634	\$25,434,669	\$19,518,774	\$14,657,108	\$9,972,916	\$7,364,346	\$6,783,548	\$6,913,464	\$6,929,044	\$9,443,432	\$14,264,490	\$168,742,003	

84														
85														
86	4,550,319	5,634,714	5,273,582	4,259,365	3,527,240	2,873,919	2,445,195	2,299,775	2,486,663	2,396,474	2,953,211	3,514,478	42,314,855	
87	\$8,049,549	\$9,221,942	\$8,997,292	\$7,631,714	\$6,503,567	\$5,448,989	\$4,831,497	\$4,646,010	\$4,699,498	\$4,652,302	\$5,347,306	\$5,445,426	75,475,212	
88	\$13,030,653	\$16,777,632	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,549	\$2,165,617	\$3,906,655	\$7,611,134	\$90,265,243	

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96	R/C/PA Inc	\$1,461,560	\$1,790,285	\$1,760,816	\$1,375,622	\$1,057,494	\$714,147	\$543,759	\$504,810	\$496,478	\$466,791	\$652,793	\$985,518	
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97														
98 T2/G2 Class 1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
99 T2/G2 Class 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
100 T4 Class 1	90	81	60	77	77	77	77	77	77	77	78	77	78	78
101 T4 Class 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
102 T3 Class 1	38	38	39	39	39	38	38	38	38	37	38	38	38	38
103 T3 Class 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
104 SP K Class 1	17	17	16	17	17	17	17	17	17	17	17	17	17	17
105 SP K Class 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17
151,080	151,511	150,923	151,649	151,892	152,122	152,488	152,843	153,248	153,693	154,122	154,588	155,088	155,611	156,155	156,722	157,311	157,922	158,555	159,211	159,888	160,588	161,311	162,055	162,811	163,588	164,388	165,211	166,055	166,911	167,788	168,688	169,611	170,555
154,625	154,145	153,688	154,255	154,811	155,366	155,922	156,477	157,033	157,588	158,144	158,700	159,255	159,811	160,366	160,922	161,477	162,033	162,588	163,144	163,700	164,255	164,811	165,366	165,922	166,477	167,033	167,588	168,144	168,700	169,255	169,811	170,366	170,922
158,655	158,175	157,711	158,255	158,811	159,366	159,922	160,477	161,033	161,588	162,144	162,700	163,255	163,811	164,366	164,922	165,477	166,033	166,588	167,144	167,700	168,255	168,811	169,366	169,922	170,477	171,033	171,588	172,144	172,700	173,255	173,811	174,366	174,922
162,711	162,231	161,775	162,311	162,866	163,411	163,966	164,511	165,066	165,611	166,166	166,722	167,277	167,833	168,388	168,944	169,500	170,055	170,611	171,166	171,722	172,277	172,833	173,388	173,944	174,500	175,055	175,611	176,166	176,722	177,277	177,833	178,388	178,944
166,777	166,297	165,841	166,377	166,933	167,488	168,044	168,599	169,155	169,711	170,266	170,822	171,377	171,933	172,488	173,044	173,600	174,155	174,711	175,266	175,822	176,377	176,933	177,488	178,044	178,600	179,155	179,711	180,266	180,822	181,377	181,933	182,488	183,044
170,833	170,353	169,897	170,433	170,988	171,544	172,100	172,655	173,211	173,766	174,322	174,877	175,433	175,988	176,544	177,100	177,655	178,211	178,766	179,322	179,877	180,433	180,988	181,544	182,100	182,655	183,211	183,766	184,322	184,877	185,433	185,988	186,544	187,100
174,888	174,408	173,952	174,492	175,047	175,602	176,157	176,712	177,267	177,822	178,377	178,932	179,487	180,042	180,597	181,152	181,707	182,262	182,817	183,372	183,927	184,482	185,037	185,592	186,147	186,702	187,257	187,812	188,367	188,922	189,477	190,032	190,587	191,142
178,944	178,464	178,008	178,552	179,107	179,662	180,217	180,772	181,327	181,882	182,437	182,992	183,547	184,102	184,657	185,212	185,767	186,322	186,877	187,432	187,987	188,542	189,097	189,652	190,207	190,762	191,317	191,872	192,427	192,982	193,537	194,092	194,647	195,202
183,000	182,520	182,064	182,608	183,163	183,718	184,273	184,828	185,383	185,938	186,493	187,048	187,603	188,158	188,713	189,268	189,823	190,378	190,933	191,488	192,043	192,598	193,153	193,708	194,263	194,818	195,373	195,928	196,483	197,038	197,593	198,148	198,703	199,258
187,055	186,575	186,119	186,663	187,218	187,773	188,328	188,883	189,438	189,993	190,548	191,103	191,658	192,213	192,768	193,323	193,878	194,433	194,988	195,543	196,098	196,653	197,208	197,763	198,318	198,873	199,428	199,983	200,538	201,093	201,648	202,203	202,758	203,313
191,111	190,631	190,175	190,719	191,274	191,829	192,384	192,939	193,494	194,049	194,604	195,159	195,714	196,269	196,824	197,379	197,934	198,489	199,044	199,599	200,154	200,709	201,264	201,819	202,374	202,929	203,484	204,039	204,594	205,149	205,704	206,259	206,814	207,369
195,166	194,686	194,230	194,774	195,329	195,884	196,439	196,994	197,549	198,104	198,659	199,214	199,769	200,324	200,879	201,434	201,989	202,544	203,099	203,654	204,209	204,764	205,319	205,874	206,429	206,984	207,539	208,094	208,649	209,204	209,759	210,314	210,869	211,424
199,222	198,742	198,286	198,830	199,385	199,940	200,495	201,050	201,605	202,160	202,715	203,270	203,825	204,380	204,935	205,490	206,045	206,600	207,155	207,710	208,265	208,820	209,375	209,930	210,485	211,040	211,595	212,150	212,705	213,260	213,815	214,370	214,925	215,480
203,277	202,797	202,341	202,885	203,440	203,995	204,550	205,105	205,660	206,215	206,770	207,325	207,880	208,435	208,990	209,545	210,100	210,655	211,210	211,765	212,320	212,875	213,430	213,985	214,540	215,095	215,650	216,205	216,760	217,315	217,870	218,425	218,980	219,535
207,333	206,853	206,397	206,941	207,496	208,051	208,606	209,161	209,716	210,271	210,826	211,381	211,936	212,491	213,046	213,601	214,156	214,711	215,266	215,821	216,376	216,931	217,486	218,041	218,596	219,151	219,706	220,261	220,816	221,371	221,926	222,481	223,036	223,591
211,388	210,908	210,452	210,996	211,551	212,106	212,661	213,216	213,771	214,326	214,881	215,436	215,991	216,546	217,101	217,656	218,211	218,766	219,321	219,876	220,431	220,986	221,541	222,096	222,651	223,206	223,761	224,316	224,871	225,426	225,981	226,536	227,091	227,646
215,444	214,964	214,508	215,052	215,607	216,162	216,717	217,272	217,827	218,382	218,937	219,492	220,047	220,602	221,157	221,712	222,267	222,822	223,377	223,932	224,487	225,042	225,597	226,152	226,707	227,262	227,817	228,372	228,927	229,482	230,037	230,592	231,147	231,702
219,499	219,019	218,563	219,107	219,662	220,217	220,772	221,327	221,882	222,437	222,992	223,547	224,102	224,657	225,212	225,767	226,322	226,877	227,432	227,987	228,542	229,097	229,652	230,207	230,762	231,317	231,872	232,427	232,982	233,537	234,092	234,647	235,202	235,757
223,555	223,075	222,619	223,163	223,718	224,273	224,828	225,383	225,938	226,493	227,048	227,603	228,158	228,713	229,268	229,823	230,378	230,933	231,488	232,043	232,598	233,153	233,708	234,263	234,818	235,373	235,928	236,483	237,038	237,593	238,148	238,703	239,258	239,813
227,611	227,131	226,675	227,219	227,774	228,329	228,884	229,439	229,994	230,549	231,104	231,659	232,214	232,769	233,324	233,879	234,434	234,989	235,544	236,099	236,654	237,209	237,764	238,319	238,874	239,429	239,984	240,539	241,094	241,649	242,204	242,759	243,314	243,869
231,666	231,186	230,730	231,274	231,829	232,384	232,939	233,494	234,049	234,604	235,159	235,714	236,269	236,824	237,379	237,934	238,489	239,044	239,599	240,154	240,709	241,264	241,819	242,374	242,929	243,484	244,039	244,594	245,149	245,704	246,259	246,814	247,369	247,924
235,722	235,242	234,786	235,330	235,885	236,440	236,995	237,550	238,105	238,660	239,215	239,770	240,325	240,880	241,435	241,990	242,545	243,100	243,655	244,210	244,765	245,320	245,875	246,430	246,985	247,540	248,095	248,650	249,205	249,760	250,315	250,870	251,425	251,980
239,777	239,297	238,841	239,385	239,940	240,495	241,050	241,605	242,160	242,715	243,270	243,825	244,380	244,935	245,490	246,045	246,600	247,155	247,710	248,265	248,820	249,375	249,930	250,485	251,040	251,595	252,150	252,705	253,260	253,815	254,370	254,925	255,480	256,035
243,833	243,353	242,897	243,441	243,996	244,551	245,106	245,661	246,216	246,771	247,326	247,881	248,436	248,991	249,546	250,101	250,656	251,211	251,766	252,321	252,876	253,431	253,986	254,541	255,096	255,651	256,206	256,761	257,316	257,871	258,426	258,981	259,536	260,091
247,888	247,408	246,952	247,496	248,051	248,606	249,161	249,716	250,271	250,826	251,381	251,936	252,491	253,046	253,601	254,156	254,711	255,266	255,821	256,376	256,931	257,486	258,041	258,596	259,151	259,706	260,261	260,816	261,371	261,926	262,481	263,036	263,591	264,146
251,944	251,464	251,008	251,552	252,107	252,662	253,217	253,772	254,327	254,882	255,437	255,992	256,547	257,102	257,657	258,212	258,767	259,322	259,877	260,432	260,987	261,542	262,097	262,652	263,207	263,762	264,317	264,872	265,427	265,982	266,537	267,092	267,647	268,202
256,000	255,520	255,064	255,608	256,163	256,718	257,273	257,828	258,383	258,938	259,493	260,048	260,603	261,158	261,713	262,268	262,823	263,378	263,933	264,488	265,043	265,598	266,153	266,708	267,263	267,818	268,373	268,928	269,483	270,038	270,593	271,148	271,703	272,258
260,055	259,575	259,119	259,663	260,218	260,773	261,328	261,883	262,438	262,993	263,548	264,103	264,658	265,213	265,768	266,323	266,878	267,433	267,988	268,543	269,098	269,653	270,208	270,763	271,318	271,873	272,428	272,983	273,538	274,093	274,648	275,203	275,758	276,313
264,111	263,631	263,175	263,719	264,274	264,829	265,384	265,939	266,494	267,049	267,604	268,159	268,714	269,269	269,824	270,379	270,934	271,489	272,044	272,599	273,154	273,709	274,264	274,819	275,374	275,929	276,484	277,039	277,594	278,149	278,704			

ATMOS ENERGY CORPORATION - KENTUCKY
VOLUME AND CONTRACT ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS													0		\$14.28	\$0
3	Sales: 1-300	4,083	3,409	1,123	203	75	74	37	42	40	136	1,035	2,372		12,627	1.1000	13,890
4	Sales: 301-15000	(4,083)	(3,409)	(1,123)	(203)	(75)	(74)	(37)	(42)	(40)	(136)	(1,035)	(2,372)		(12,627)	0.7700	(9,723)
5	Sales: Over 15000						0								0	0.5000	0
6	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$4,167
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS															35.70	\$0
10	Sales: 1-300															1.1000	0
11	Sales: 301-15000															0.7700	0
12	Sales: Over 15000															0.5000	0
13	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
14																	
15	<u>FIRM INDUSTRIAL (Rate G-1)</u>																
16	FIRM BILLS	0	0	1	1	1	1	2	2	2	2	1	1	14		35.70	\$500
17	Sales: 1-300	0	(47)	102	26	(4)	(5)	0	300	300	367	202	300		1,541	1.1000	1,695
18	Sales: 301-15000	(3,143)	(2,495)	(932)	(693)	(322)	(168)	0	87	86	0	0	227		(7,353)	0.7700	(5,662)
19	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
20	CLASS TOTAL (Mcf/month)	(3,143)	(2,542)	(830)	(667)	(326)	(173)	0	387	386	367	202	527	14	(5,812)		(\$3,467)
21																	
22																	
23	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
24	FIRM BILLS													0		35.70	\$0
25	Sales: 1-300														0	1.1000	0
26	Sales: 301-15000														0	0.7700	0
27	Sales: Over 15000														0	0.5000	0
28	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
29																	
30	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>																
31	INT BILLS													0		344.07	\$0
32	Sales: 1-15000														0	0.6870	0
33	Sales: Over 15000														0	0.4670	0
34	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
35																	
36	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>																
37	INT BILLS	(2)	(2)	(2)	(2)	(1)	0	0	0	0	0	0	0	(9)		344.07	(\$3,097)
38	Sales: 1-15000	0	0	(540)	(493)	(5)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	0	(91,038)	0.6870	(62,543)
39	Sales: Over 15000	0	0	0	0	0	(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)	0		(239,420)	0.4670	(111,809)
40	CLASS TOTAL (Mcf/month)	0	0	(540)	(493)	(5)	(29,373)	(64,146)	(67,245)	(69,086)	(69,136)	(30,434)	0	(9)	(330,458)		(\$177,449)

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TRANSPORTATION (T-4)

TRANSPORTATION BILLS	1	1	0	0	0	0	(1)	(1)	(1)	(2)	(1)	(1)	(5)	328.33	(\$1,642)
Trans Admin Fee	\$50	\$50	\$0	\$0	\$0	\$0	(\$50)	(\$50)	(\$50)	(\$100)	(\$50)	(\$50)			(250)
EFM Fee	\$75	\$75	\$0	\$0	\$0	\$0	(\$75)	(\$75)	(\$75)	(\$150)	(\$75)	(\$75)			(375)
Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
Firm Transport: 1-300	300	347	198	274	304	305	8	0	0	(367)	(202)	(300)	867	1.1930	1,034
Firm Transport: 301-15000	17,843	17,196	15,632	15,393	15,022	14,868	14,700	14,613	14,614	14,570	2,987	(227)	157,210	0.8351	131,286
Firm Transport: Over 1500	35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590	232,590	0.5423	126,134
CLASS TOTAL (Mcf/month)	53,143	47,542	40,830	35,667	30,326	30,173	29,708	29,613	29,614	34,203	27,785	2,063	(5)	390,667	\$256,187

TRANSPORTATION (T-3)

TRANSPORTATION BILLS	2	2	2	2	1	0	0	0	0	0	0	0	9	329.24	\$2,963
Trans Admin Fee	\$100	\$100	\$100	\$100	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0			450
EFM Fee	\$150	\$150	\$150	\$150	\$75	\$0	\$0	\$0	\$0	\$0	\$0	\$0			675
Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
Interrupt Transport: 1-15000	2,000	2,000	2,540	2,493	5	2,000	0	0	2,000	1,422	0	0	14,460	0.6822	9,865
Interrupt Transport: Over 15000	0	0	0	0	2,000	0	0	0	0	578	2,000	2,000	6,578	0.4440	2,921
CLASS TOTAL (Mcf/month)	2,000	2,000	2,540	2,493	2,005	2,000	0	0	2,000	2,000	2,000	2,000	9	21,036	\$16,873

SPECIAL CONTRACTS

TRANSPORTATION BILLS	0	0	0	0	0	0	0	0	0	0	0	0	0	300.00	\$0
Trans Admin Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
EFM Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
Transported Volumes	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	90,000	Various	
Charges for Transport Volumes	\$1,200	\$1,200	\$1,200	\$1,200	(\$3,700)	(\$200)	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200			8,100
CLASS TOTAL (Mcf/month)	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	0	90,000	\$8,100

	67,000	62,000	57,000	52,000	(23,000)	(2,373)	(19,438)	(22,245)	(22,086)	(17,566)	14,553	19,590	9	165,435	0	104,412
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Pro Forma Adjustments for KY Handbill Customers

Premise	Customer	Comment	Service	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
104738	Customer A	Contr Ch (G2 to T3) 5/1/12	G-2 Ind Sales	0	0	(540)	(492)								
		G-2 Bill		(1)	(1)	(1)	(1)								
		G-2 0-15000 Mcf/mo		0	0	(540)	(492)								
		G-2 > 15000 Mcf/mo		0	0	0	0								
104738	Customer A	Contr Ch (G2 to T3) 5/1/12	T-3 Transp	0	0	540	492								
		T-3 Bill		1	1	1	1								
		T-3 0-15000 Mcf/mo		0	0	540	492								
		T-3 > 15000 Mcf/mo		0	0	0	0								
403495	Customer B	Contr Ch (G2 to T3) 5/1/12	G-2 Ind Sales	0	0	0	(1)	(5)							
		G-2 Bill		(1)	(1)	(1)	(1)	(1)							
		G-2 0-15000 Mcf/mo		0	0	0	(1)	(5)							
		G-2 > 15000 Mcf/mo		0	0	0	0	0							
403495	Customer B	Contr Ch (G2 to T3) 5/1/12	T-3 Transp	0	0	0	1	5							
		T-3 Bill		1	1	1	1	1							
		T-3 0-15000 Mcf/mo		0	0	0	1	5							
		T-3 > 15000 Mcf/mo		0	0	0	0	0							
413573	Customer C	Annualize New Customer	T-4 Carriage	50,000	45,000	40,000	35,000	30,000	30,000	30,000	30,000	30,000	34,570	27,987	2,550
		T-4 Bill		1	1	1	1	1	1	1	1	1			
		T-4 0-300 Mcf/mo		300	300	300	300	300	300	300	300	300			
		T-4 301-15000 Mcf/mo		14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,570	2,987	
		T-4 > 15000 Mcf/mo		35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,550
123345	Customer D	Contr Ch (G1 to T4) 3/1/12	G-1 Ind Sales	(1,568)	(562)										
		G-1 Bill		(1)	(1)										
		G-1 0-300 Mcf/mo		(300)	(300)										
		G-1 301-15000 Mcf/mo		(1,268)	(262)										
		G-1 > 15000 Mcf/mo													
123345	Customer D	Contr Ch (G1 to T4) 3/1/12	T-4 Transp	1,568	562										
		T-4 Bill		1	1										
		T-4 0-300 Mcf/mo		300	300										
		T-4 301-15000 Mcf/mo		1,268	262										
		T-4 > 15000 Mcf/mo													
177367	Customer E	Contr Ch (T4 to G1) 11/1/12	T-4 Transp	(397)	(301)	(368)	(328)	(292)	(291)	0	(387)	(386)	(286)		
		T-4 Bill		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
		T-4 0-300 Mcf/mo		(300)	(300)	(300)	(300)	(292)	(291)	(291)	(300)	(300)	(286)		
		T-4 301-15000 Mcf/mo		(97)	(1)	(68)	(28)	0	0	0	(87)	(86)	0		
		T-4 > 15000 Mcf/mo													
177367	Customer E	Contr Ch (T4 to G1) 11/1/12	G-1 Ind Sales	397	301	368	328	292	291	0	387	386	286		
		G-1 Bill		1	1	1	1	1	1	1	1	1	1		
		G-1 0-300 Mcf/mo		300	300	300	300	292	291	0	300	300	286		
		G-1 301-15000 Mcf/mo		97	1	68	28	0	0	0	87	86	0		
		G-1 > 15000 Mcf/mo													
177367	Customer F	Contr Ch (T4 to G1) 2013	T-4 Transp	(403)	(253)	(102)	(26)	(4)	(4)	0	0	0	(81)	(202)	(527)
		T-4 Bill		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
		T-4 0-300 Mcf/mo		(300)	(253)	(102)	(26)	(4)	(4)	(1)	0	0	(81)	(202)	(300)
		T-4 301-15000 Mcf/mo		(103)	0	0	0	0	0	0	0	0	0	0	(227)
		T-4 > 15000 Mcf/mo													

Pro Forma Adjustments for KY Handbill Customers

177367	Customer F	Contr Ch (T4 to G1)	2013	G-1 Ind Sales	403	253	102	26	4	4	0	0	0	81	202	527	
		G-1 Bill			1	1	1	1	1	1	1	1	1	1	1	1	
		G-1 0-300 Mcf/mo			300	253	102	26	4	4	0	0	0	81	202	300	
		G-1 301-15000 Mcf/mo			103	0	0	0	0	0	0	0	0	0	0	227	
		G-1 > 15000 Mcf/mo															
123345	Customer G	Contr Ch (G1 to T4)	3/1/12	G-1 Ind Sales	(2,375)	(2,534)	(1,300)	(1,021)	(622)	(468)							
		G-1 Bill			(1)	(1)	(1)	(1)	(1)	(1)							
		G-1 0-300 Mcf/mo			(300)	(300)	(300)	(300)	(300)	(300)							
		G-1 301-15000 Mcf/mo			(2,075)	(2,234)	(1,000)	(721)	(322)	(168)							
		G-1 > 15000 Mcf/mo															
123345	Customer G	Contr Ch (G1 to T4)	3/1/12	T-4 Transp	2,375	2,534	1,300	1,021	622	468							
		T-4 Bill			1	1	1	1	1	1							
		T-4 0-300 Mcf/mo			300	300	300	300	300	300							
		T-4 301-15000 Mcf/mo			2,075	2,234	1,000	721	322	168							
		T-4 > 15000 Mcf/mo															
170395	Customer H	Added load		Sp Contract	10,000	10,000	10,000	10,000	(60,000)	(10,000)	10,000	10,000	10,000	10,000	10,000	10,000	
		Sp K Volumes			10,000	10,000	10,000	10,000	(60,000)	(10,000)	10,000	10,000	10,000	10,000	10,000	10,000	
		Sp K Rate															
		Sp K Distr. Charge															
403494	Customer I	Increased load		T-3 Carriage	2,000	2,000	2,000	2,000	2,000	2,000	0	0	2,000	2,000	2,000	2,000	
		T-3 Bill															
		T-3 0-15000 Mcf/mo			2,000	2,000	2,000	2,000	0	2,000	0	0	2,000	1,422	0	0	
		T-3 > 15000 Mcf/mo			0	0	0	0	2,000	0	0	0	0	578	2,000	2,000	
170395	Customer J	Increased load		Sp Contract	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
		Sp K Volumes			5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
		Sp K Rate															
		Sp K Distr. Charge															
316087	Customer K	Increased load		Sp Contract	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
		Sp K Volumes			5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
		Sp K Rate															
		Sp K Distr. Charge															
177357	Customer L	Reduced load		G-2 Ind Sales					(29,373)	(64,146)	(67,245)	(69,086)	(69,136)	(30,434)			
		G-2 Bill															
		G-2 0-15000 Mcf/mo							(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)		
		G-2 > 15000 Mcf/mo							(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)			

Pro Forma Adjustments for KY Handbill Customers

233461	Customer M	Reduced load	Sp Contract	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)
		Sp K Volumes		(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)
		Sp K Rate													
		Sp K Distr. Charge													

SUMMARY															
G-1 Ind Sales Bill	0	0	1	1	1	1	2	2	2	2	1	1	14		
G-1 0-300 Mcf/mo	0	(47)	102	26	(4)	(5)	0	300	300	367	202	300	1,541		
G-1 301-15000 Mcf/mo	(3,143)	(2,495)	(932)	(693)	(322)	(168)	0	87	86	0	0	227	(7,353)		
G-1 > 15000 Mcf/mo	0	0	0	0	0	0	0	0	0	0	0	0	0		
G-2 Ind Int Sales Bill	(2)	(2)	(2)	(2)	(1)	0	0	0	0	0	0	0	(9)		
G-2 0-15000 Mcf/mo	0	0	(540)	(493)	(5)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	0	(91,038)		
G-2 > 15000 Mcf/mo	0	0	0	0	0	(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)	0	(239,420)		
T-4 Bill	1	1	0	0	0	0	(1)	(1)	(1)	(2)	(1)	(1)	(5)		
T-4 0-300 Mcf/mo	300	347	198	274	304	305	8	0	0	(367)	(202)	(300)	867		
T-4 301-15000 Mcf/mo	17,843	17,195	15,632	15,393	15,022	14,868	14,700	14,613	14,614	14,570	2,987	(227)	157,210		
T-4 > 15000 Mcf/mo	35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590	232,590		
T-3 Bill	2	2	2	2	1	0	0	0	0	0	0	0	9		
T-3 0-15000 Mcf/mo	2,000	2,000	2,540	2,493	5	2,000	0	0	2,000	1,422	0	0	14,460		
T-3 > 15000 Mcf/mo	0	0	0	0	2,000	0	0	0	0	578	2,000	2,000	6,578		
Sp K Bills	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sp K Volumes	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	90,000		
Sp K Distr. Charge	1,200	1,200	1,200	1,200	(3,700)	(200)	1,200	1,200	1,200	1,200	1,200	1,200	8,100		
G-1 C/PA/Ind Bill	0	0	1	1	1	1	2	2	2	2	1	1	14		
G-2 Int Sales Bill	(2)	(2)	(2)	(2)	(1)	0	0	0	0	0	0	0	(9)		
T-4/T-3 Bill	3	3	2	2	1	0	(1)	(1)	(1)	(2)	(1)	(1)	4		
Sp K Bills	0	0	0	0	0	0	0	0	0	0	0	0	0		
G-1 0-300 Mcf/mo	0	(47)	102	26	(4)	(5)	0	300	300	367	202	300	1,541		
G-1 301-15000 Mcf/mo	(3,143)	(2,495)	(932)	(693)	(322)	(168)	0	87	86	0	0	227	(7,353)		
G-1 > 15000 Mcf/mo	0	0	0	0	0	0	0	0	0	0	0	0	0		
G-2 0-15000 Mcf/mo	0	0	(540)	(493)	(5)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	0	(91,038)		
G-2 > 15000 Mcf/mo	0	0	0	0	0	(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)	0	(239,420)		
T-4 0-300 Mcf/mo	300	347	198	274	304	305	8	0	0	(367)	(202)	(300)	867		
T-4 301-15000 Mcf/mo	17,843	17,195	15,632	15,393	15,022	14,868	14,700	14,613	14,614	14,570	2,987	(227)	157,210		
T-4 > 15000 Mcf/mo	35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590	232,590		
T-3 0-15000 Mcf/mo	2,000	2,000	2,540	2,493	5	2,000	0	0	2,000	1,422	0	0	14,460		

Pro Forma Adjustments for KY Handbill Customers

T-3 > 15000 Mct/mo	0	0	0	0	2,000	0	0	0	0	578	2,000	2,000	6,578
Sp K Volumes	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	90,000
	67,000	62,000	57,000	52,000	(23,000)	(2,373)	(19,438)	(22,246)	(22,086)	(17,566)	14,553	19,590	165,435
EFM - T3	2	2	2	2	1	0	0	0	0	0	0	0	
EFM - T4	1	1	0	0	0	0	(1)	(1)	(1)	(2)	(1)	(1)	
EFM -Sp K													

	Commodity Charge	54,637	50,219	49,929	47,692	54,918	49,049	49,252	49,587	47,279	48,797	48,161	49,745	589,266
	Trans Admin Fee	475	475	475	475	475	475	475	450	450	450	450	450	5,575
	EPM Facility Fee	425	425	425	425	425	425	425	450	450	450	450	450	5,225
	Parking Fee	261	651	579	1,004	986	1,045	928	954	1,221	585	918	847	9,976
KYT4T3 Negot	Customer Charge	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	14,400
	Commodity Charge	40,812	37,344	32,623	38,198	31,751	33,526	29,175	34,749	29,775	31,842	30,526	34,401	402,723
	Trans Admin Fee	200	200	200	200	200	200	200	200	200	200	200	200	2,400
	EPM Facility Fee	300	300	300	300	300	300	300	300	300	300	300	300	3,600
KY-POOL-TG	Parking Fee Pooling	7,396	13,061	8,676	7,301	5,259	9,575	5,271	4,701	2,947	751	4,121	6,985	76,544
KY-POOL-TGP	Parking Fee Pooling	1,154	1,033	739	716	245	440	648	794	542	244	137	409	7,100
KY-POOL-TL	Parking Fee Pooling	37		11	33		27	30	33	8	27	-		205
Grand Total		1,127,235	1,052,895	930,324	871,697	885,660	843,855	797,710	854,715	829,746	1,006,327	1,053,489	1,055,527	11,309,180

ATMOS ENERGY CORPORATION - KENTUCKY
SERVICE CHARGES
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Rate	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	
1	Meter Sale																						
2	Regular Hours	\$34.00	534	771	652	692	741	707	609	754	1,091	2,268	1,829	981	534	771	652	692	741	707	609	754	1,091
3	After Hours	\$44.00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
6	TOTAL Billed Orders		534	771	652	692	741	707	609	754	1,091	2,269	1,829	981	534	771	652	692	741	707	609	754	1,091
7	TOTAL Revenue		\$18,156	\$28,214	\$22,168	\$23,528	\$25,194	\$24,038	\$20,705	\$25,976	\$37,094	\$77,156	\$82,152	\$33,354	\$18,156	\$28,214	\$22,168	\$23,528	\$25,194	\$24,038	\$20,706	\$25,976	\$37,094
9	Tuition																						
10	Regular Hours	\$23.00	484	236	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196
11	After Hours	\$28.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	TOTAL Billed Orders		484	236	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196
13	TOTAL Revenue		\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200	\$8,234	\$5,474	\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508
15	Read																						
16	Regular Hours	\$12.00	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524	1,741	1,620	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349
17	After Hours	\$14.00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
18	TOTAL Billed Orders		1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524	1,741	1,620	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349
19	TOTAL Revenue		\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,948	\$19,212	\$16,189	\$18,268	\$20,882	\$18,240	\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,948	\$19,212	\$16,138
21	Reconnect/Disinsect Service																						
22	Regular Hours	\$39.00	131	81	60	43	39	40	44	37	59	163	108	40	131	81	60	43	39	40	44	37	59
23	After Hours	\$47.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	TOTAL Billed Orders		131	81	60	43	39	40	44	37	59	163	108	40	131	81	60	43	39	40	44	37	59
25	TOTAL Revenue		\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$5,357	\$4,251	\$1,560	\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301
27	Seasonal Charge																						
28	Regular Hours	\$65.00	6	1	3	2	1	0	1	5	20	147	75	19	6	1	3	2	1	0	1	5	20
29	After Hours	\$73.00	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	1	2	0	0	0
32	TOTAL Billed Orders		6	1	3	2	1	1	3	5	20	147	75	19	6	1	3	2	1	1	1	5	20
33	TOTAL Revenue		\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,555	\$4,875	\$1,235	\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,200
29	Meter Test Charge																						
30	Regular Hours	\$20.00	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2
31	After Hours	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	TOTAL Billed Orders		0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2
33	TOTAL Revenue		\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130	\$195	\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130
36	Return Check Charge																						
37	Regular Hours	\$25.00	250	231	203	197	197	162	142	197	135	163	175	178	250	231	203	197	197	162	142	197	135
38	After Hours	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	TOTAL Billed Orders		250	231	203	197	197	162	142	197	135	163	175	178	250	231	203	197	197	162	142	197	135
40	TOTAL Revenue		\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075	\$4,400	\$4,450	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375
41																							
42	SUBTOTAL - OTHER OPERATING REVENUE		\$61,917	\$60,753	\$49,210	\$47,570	\$45,615	\$48,845	\$44,669	\$56,408	\$64,866	\$124,826	\$104,989	\$54,443	\$61,917	\$60,753	\$49,210	\$47,570	\$45,615	\$48,845	\$44,669	\$56,408	\$64,866
44	Late Payment Fee																						
45	Rate		\$184,991	\$173,849	\$132,347	\$98,411	\$54,786	\$40,634	\$37,728	\$37,513	\$37,609	\$50,714	\$83,004	\$131,354	\$161,288	\$162,110	\$123,862	\$92,543	\$64,394	\$45,859	\$42,207	\$42,192	\$42,377
46	TOTAL Revenue		\$246,908	\$234,602	\$181,557	\$145,881	\$104,601	\$89,479	\$82,287	\$93,921	\$102,505	\$175,540	\$198,003	\$195,797	\$223,205	\$222,863	\$173,082	\$140,113	\$114,209	\$64,904	\$38,776	\$88,600	\$107,273

Oct-13 (x)	Nov-13 (y)	Dec-13 (z)	Jan-14 (aa)	Feb-14 (ab)	Mar-14 (ac)	Apr-14 (ad)	May-14 (ae)	Jun-14 (af)	Jul-14 (ag)	Aug-14 (ah)	Sep-14 (ai)	Oct-14 (aj)	Nov-14 (ak)	Dec-14 (al)	Jan-15 (am)	Feb-15 (an)	Mar-15 (ao)	Apr-15 (ap)	May-15 (aq)	Jun-15 (ar)	Jul-15 (as)	Aug-15 (at)	Sep-15 (au)	Oct-15 (av)
2,268	1,828	981	534	771	652	692	741	707	609	764	1,091	2,288	1,828	981	534	771	652	692	741	707	609	764	1,091	2,288
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2,269	1,823	981	534	771	652	692	741	707	609	764	1,091	2,289	1,828	981	534	771	652	692	741	707	609	764	1,091	2,289
\$77,166	\$62,152	\$33,354	\$18,166	\$26,214	\$22,168	\$23,928	\$25,194	\$24,039	\$20,709	\$25,976	\$37,094	\$77,196	\$62,152	\$33,354	\$18,166	\$26,214	\$22,169	\$23,928	\$25,194	\$24,039	\$20,706	\$25,976	\$37,094	\$77,196
400	358	238	484	236	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196	400
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	358	238	484	236	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196	400
\$9,200	\$8,234	\$5,474	\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200	\$8,234	\$5,474	\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200
1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524
\$19,288	\$20,892	\$18,240	\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,348	\$19,212	\$16,188	\$19,288	\$20,892	\$18,240	\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,948	\$19,212	\$16,188	\$19,288
163	109	40	131	81	60	43	39	40	44	37	59	163	109	40	131	81	60	43	39	40	44	37	59	163
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	109	40	131	81	60	43	39	40	44	37	59	163	109	40	131	81	60	43	39	40	44	37	59	163
\$6,357	\$4,251	\$1,560	\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$6,357	\$4,251	\$1,560	\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$6,357
147	75	19	6	1	3	2	1	0	1	5	20	147	75	19	6	1	3	2	1	0	1	5	20	147
0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	2	0	0
147	75	19	6	1	3	2	1	0	1	5	20	147	75	19	6	1	3	2	1	0	1	5	20	147
\$9,556	\$4,875	\$1,236	\$390	\$65	\$195	\$130	\$66	\$73	\$211	\$325	\$1,300	\$9,556	\$4,875	\$1,236	\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,556
3	3	2	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	2	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2	3
\$195	\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$66	\$0	\$65	\$130	\$195	\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130	\$195
163	176	178	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135	163
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	176	178	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135	163
\$4,075	\$4,400	\$4,480	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075	\$4,400	\$4,480	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075
\$124,826	\$104,999	\$84,443	\$61,917	\$60,763	\$49,210	\$47,570	\$49,815	\$48,945	\$44,569	\$56,408	\$64,896	\$124,826	\$104,999	\$84,443	\$61,917	\$60,763	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,826
\$59,897	\$94,032	\$148,365	\$180,463	\$176,810	\$124,462	\$99,838	\$63,821	\$45,620	\$41,813	\$41,858	\$42,037	\$59,092	\$93,848	\$146,066	\$180,062	\$176,145	\$133,968	\$99,482	\$93,216	\$45,264	\$41,605	\$41,962	\$41,727	\$59,564
\$184,513	\$199,037	\$210,808	\$242,380	\$237,553	\$183,672	\$147,408	\$113,636	\$84,465	\$86,452	\$98,266	\$106,933	\$183,918	\$199,347	\$210,509	\$241,979	\$236,898	\$183,178	\$147,052	\$113,033	\$94,109	\$66,174	\$97,980	\$108,623	\$183,380

Nov-15 (aw)	Dec-15 (ax)	Jan-16 (ay)	Feb-16 (az)	Mar-16 (ba)	Apr-16 (bb)	May-16 (bc)	Jun-16 (bd)	Jul-16 (be)	Aug-16 (bf)	Sep-16 (bg)	Oct-16 (bh)	Nov-16 (bi)	Dec-16 (bj)	Jan-17 (bk)	Feb-17 (bl)	Mar-17 (bm)	Apr-17 (bn)	May-17 (bo)	Jun-17 (bp)	Jul-17 (bq)	Aug-17 (br)	Sep-17 (bs)	Oct-17 (bt)	Nov-17 (bu)	Dec-17 (bv)
1,823	981	534	771	952	892	741	707	609	764	1,091	2,268	1,826	981	534	771	952	892	741	707	609	764	1,091	2,268	1,823	981
0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1,823	981	534	771	952	892	741	707	609	764	1,091	2,269	1,828	981	534	771	952	892	741	707	609	764	1,091	2,269	1,823	981
\$62,162	\$33,354	\$18,196	\$28,214	\$22,168	\$23,528	\$25,194	\$24,038	\$20,706	\$25,976	\$37,094	\$77,156	\$62,162	\$33,354	\$18,196	\$28,214	\$22,168	\$23,528	\$25,194	\$24,038	\$20,706	\$25,976	\$37,094	\$77,156	\$62,152	\$33,354
358	238	484	238	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196	400	358	238
0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
358	238	484	238	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196	400	358	238
\$8,234	\$5,474	\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,506	\$9,200	\$8,234	\$5,474	\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,506	\$9,200	\$8,234	\$5,474
1,741	1,520	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,624	1,741	1,520	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,624	1,741	1,520
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1,741	1,520	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,624	1,741	1,520	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,624	1,741	1,520
\$20,892	\$18,240	\$20,680	\$20,112	\$17,040	\$16,612	\$16,730	\$17,472	\$15,948	\$19,212	\$16,188	\$18,288	\$20,892	\$18,240	\$20,680	\$20,112	\$17,040	\$16,612	\$16,730	\$17,472	\$15,948	\$19,212	\$16,188	\$18,288	\$20,892	\$18,240
109	40	131	81	60	43	39	40	44	37	59	163	109	40	131	81	60	43	39	40	44	37	59	163	109	40
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	40	131	81	60	43	39	40	44	37	59	163	109	40	131	81	60	43	39	40	44	37	59	163	109	40
\$4,251	\$1,560	\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$6,367	\$4,251	\$1,560	\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$6,357	\$4,251	\$1,560
75	19	6	1	3	2	1	0	1	5	20	147	75	19	6	1	3	2	1	0	1	5	20	147	75	19
0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
75	19	6	1	3	2	1	1	3	5	20	147	75	19	6	1	3	2	1	1	3	5	20	147	75	19
\$4,875	\$1,235	\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,565	\$4,875	\$1,235	\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,555	\$4,875	\$1,235
3	2	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2	3	3	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2	3	3	2
\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130	\$195	\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130	\$195	\$195	\$130
176	178	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135	163	176	178
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	178	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135	163	176	178
\$4,400	\$4,480	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,650	\$4,925	\$3,375	\$4,075	\$4,400	\$4,480	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,650	\$4,925	\$3,375	\$4,075	\$4,400	\$4,450
\$104,989	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$46,845	\$44,569	\$56,408	\$64,396	\$124,826	\$104,989	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$46,845	\$44,569	\$56,408	\$64,866	\$124,826	\$104,999	\$64,443
\$93,089	\$144,801	\$178,427	\$174,670	\$132,869	\$96,723	\$62,926	\$45,080	\$41,441	\$41,583	\$56,330	\$92,815	\$144,341	\$177,820	\$174,138	\$132,491	\$98,433	\$62,905	\$45,046	\$41,404	\$41,370	\$41,543	\$58,300	\$92,863	\$144,639	\$144,801
\$198,068	\$209,244	\$240,344	\$235,423	\$162,089	\$145,293	\$112,741	\$83,625	\$86,010	\$97,819	\$106,479	\$163,156	\$197,814	\$208,784	\$239,737	\$234,892	\$181,701	\$146,003	\$112,720	\$93,691	\$95,973	\$97,778	\$106,439	\$193,126	\$197,967	\$209,082

Jan-18 (dw)	Feb-18 (bx)	Mar-18 (bv)	Apr-18 (bz)	May-18 (ca)	Jun-18 (cb)	Jul-18 (cc)	Aug-18 (cd)	Sep-18 (ca)	Oct-18 (cf)	Nov-18 (cg)	Dec-18 (ch)
534	771	652	692	741	707	609	764	1,091	2,263	1,628	981
0	0	0	0	0	0	0	0	0	1	0	0
534	771	652	692	741	707	609	764	1,091	2,269	1,628	981
\$18,156	\$26,214	\$22,168	\$23,528	\$25,194	\$24,038	\$20,706	\$25,976	\$37,094	\$77,195	\$62,152	\$33,354
484	236	104	71	69	69	106	194	198	400	358	236
0	0	0	0	0	0	0	0	0	0	0	0
484	236	104	71	69	69	106	194	198	400	358	236
\$11,132	\$5,428	\$2,992	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200	\$8,234	\$5,474
1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524	1,741	1,520
0	0	0	0	1	0	0	0	0	0	0	0
1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524	1,741	1,520
\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$16,946	\$19,212	\$16,482	\$18,258	\$20,892	\$18,240
131	81	60	43	39	40	44	37	59	163	109	40
0	0	0	0	0	0	0	0	0	0	0	0
131	81	60	43	39	40	44	37	59	163	109	40
\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$6,357	\$4,251	\$1,560
6	1	3	2	1	0	1	5	20	147	75	19
0	0	0	0	0	1	2	0	0	0	0	0
6	1	3	2	1	1	3	5	20	147	75	19
\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,555	\$4,875	\$1,235
0	0	0	1	0	1	0	1	2	3	3	2
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	1	0	1	2	3	3	2
\$0	\$0	\$0	\$55	\$0	\$55	\$0	\$55	\$190	\$195	\$195	\$130
250	231	203	197	197	162	142	197	135	163	176	178
0	0	0	0	0	0	0	0	0	0	0	0
250	231	203	197	197	162	142	197	135	163	176	178
\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075	\$4,400	\$4,460
\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,589	\$55,408	\$64,886	\$124,826	\$104,399	\$64,443
\$178,181	\$174,127	\$132,469	\$98,400	\$63,215	\$45,194	\$41,519	\$41,626	\$41,805	\$56,843	\$94,442	\$147,227
\$240,096	\$234,680	\$181,679	\$145,970	\$113,030	\$84,039	\$66,026	\$88,034	\$106,791	\$183,659	\$199,441	\$211,670

ATMOS ENERGY CORPORATION - KENTUCKY
 WEATHER ADJUSTMENT - BASE NOAA 1981-2010
 TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS													0		\$14.28	\$0
3	Sales: 1-300	169,641	239,213	159,368	516,979	114,692	20,236	10,453	(10,454)	21,833	71,308	(36,448)	259,023		1,535,844	1.1000	1,689,428
4	Sales: 301-15000														0	0.7700	0
5	Sales: Over 15000														0	0.5000	0
6	<u>CLASS TOTAL (Mcf/month)</u>	<u>169,641</u>	<u>239,213</u>	<u>159,368</u>	<u>516,979</u>	<u>114,692</u>	<u>20,236</u>	<u>10,453</u>	<u>(10,454)</u>	<u>21,833</u>	<u>71,308</u>	<u>(36,448)</u>	<u>259,023</u>	<u>0</u>	<u>1,535,844</u>		<u>\$1,689,428</u>
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS													0		35.70	\$0
10	Sales: 1-300	17,722	36,469	48,868	179,479	64,329	12,478	13,783	(12,388)	(1,901)	3,779	18,323	85,297		466,238	1.1000	512,862
11	Sales: 301-15000	1,926	3,911	4,286	11,908	3,931	1,175	2,803	(4,198)	(1,523)	857	1,602	7,394		34,072	0.7700	26,235
12	Sales: Over 15000														0	0.5000	0
13	<u>CLASS TOTAL (Mcf/month)</u>	<u>19,648</u>	<u>40,380</u>	<u>53,154</u>	<u>191,387</u>	<u>68,260</u>	<u>13,653</u>	<u>16,586</u>	<u>(16,586)</u>	<u>(3,424)</u>	<u>4,636</u>	<u>19,925</u>	<u>92,691</u>	<u>0</u>	<u>500,310</u>		<u>\$539,097</u>
14																	
15	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
16	FIRM BILLS													0		35.70	\$0
17	Sales: 1-300	18,762	23,628	18,509	40,740	8,422	2,005	2,268	(1,982)	(2,382)	(3,477)	(1,866)	19,556		124,183	1.1000	136,601
18	Sales: 301-15000	6,494	7,226	4,278	6,228	1,412	272	134	(420)	(279)	(1,089)	(426)	5,709		29,539	0.7700	22,745
19	Sales: Over 15000														0	0.5000	0
20	<u>CLASS TOTAL (Mcf/month)</u>	<u>25,256</u>	<u>30,854</u>	<u>22,787</u>	<u>46,968</u>	<u>9,834</u>	<u>2,277</u>	<u>2,402</u>	<u>(2,402)</u>	<u>(2,661)</u>	<u>(4,566)</u>	<u>(2,292)</u>	<u>25,265</u>	<u>0</u>	<u>153,722</u>		<u>\$159,346</u>

Annual Customer Growth =
 Base Load Change =
 Annual Load Change =



**Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 Reference Period Ended DECEMBER 31, 2012**

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volume (1)	Weather Adjustment	Normal HDDs	Normalized Including Unbilled	Normalized Including Unbilled	Actual Ddays	Weighted Volumes per DDAYS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	
Public Authority - Class 4 Rate 1																	
1	Jan-12	774	927	0.1203	111.5499	17.5160	129.0659	1,580	203,924	178,668	25,256	944	207,220	207,156	774	27,675	150,993
2	Feb-12	753	903	0.1203	108.6619	17.5160	126.1779	1,581	199,487	168,633	30,854	735	167,577	167,525	753	27,693	140,940
3	Mar-12	440	616	0.1203	74.1259	17.5160	91.6419	1,578	144,611	121,824	22,787	538	129,839	129,800	440	27,640	94,184
4	Apr-12	143	391	0.1203	47.0507	17.5160	64.5667	1,571	101,434	54,466	46,968	247	74,234	74,212	143	27,518	26,949
5	May-12	107	140	0.1203	16.8468	17.5160	34.3628	1,582	54,362	44,528	9,834	68	40,668	40,655	107	27,710	16,818
6	Jun-12	8	23	0.1203	2.7677	17.5160	20.2837	1,575	31,947	29,670	2,277	1	27,786	27,777	8	27,588	2,082
7	Jul-12	0	0	0.1203	0.0000	17.5160	17.5160	1,585	27,763	25,361	2,402	0	27,771	27,763	0	27,763	(2,402)
8	Aug-12	0	0	0.1203	0.0000	17.5160	17.5160	1,574	27,570	29,972	(2,402)	0	27,579	27,570	0	27,570	2,402
9	Sep-12	0	3	0.1203	0.3610	17.5160	17.8770	1,565	27,977	30,638	(2,661)	36	34,203	34,192	0	27,412	3,226
10	Oct-12	164	116	0.1203	13.9588	17.5160	31.4748	1,571	49,447	54,013	(4,566)	228	70,641	70,620	164	27,518	26,495
11	Nov-12	425	355	0.1203	42.7187	17.5160	60.2347	1,546	93,123	95,415	(2,292)	510	121,996	121,958	425	27,080	68,335
12	Dec-12	538	686	0.1203	82.5493	17.5160	100.0653	1,596	159,704	134,439	25,265	853	191,836	191,777	538	27,955	106,483
13																	
14	Total	3,352	4,160			17.5160		1,575	1,121,349	967,627	153,722	4,160	1,121,350	1,121,006	3,352	331,122	636,505
15	Average Usage / Customer								711.82	614.24				711.60			

Note 1 - Adjusted for volume and contract adjustments.

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2013
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal DDays	Normalized Including Unbilled	Normalized Including Unbilled
		Normal DDays	X Coefficient										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
Public Authority - Class 4 Rate 1													
1	Jan-13	927		108.0548	16.8894	124.9442	1,580	197,412			944	200,604	200,543
2	Feb-13	903	0.1166	105.2572	16.8894	122.1466	1,581	193,114			735	162,203	162,153
3	Mar-13	616	0.1166	71.8034	16.8894	88.6928	1,578	139,957			538	125,649	125,610
4	Apr-13	391	0.1166	45.5765	16.8894	62.4659	1,571	98,134			247	71,786	71,764
5	May-13	140	0.1166	16.3190	16.8894	33.2084	1,582	52,536			68	39,271	39,258
6	Jun-13	23	0.1166	2.6810	16.8894	19.5704	1,575	30,823			1	26,793	26,784
7	Jul-13	0	0.1166	0.0000	16.8894	16.8894	1,585	26,770			0	26,778	26,770
8	Aug-13	0	0.1166	0.0000	16.8894	16.8894	1,574	26,584			0	26,592	26,584
9	Sep-13	3	0.1166	0.3497	16.8894	17.2391	1,565	26,979			36	33,009	32,999
10	Oct-13	116	0.1166	13.5214	16.8894	30.4108	1,571	47,775			228	68,306	68,285
11	Nov-13	355	0.1166	41.3802	16.8894	58.2696	1,546	90,085			510	118,053	118,017
12	Dec-13	686	0.1166	79.9629	16.8894	96.8523	1,596	154,576			853	185,701	185,644
13													
14	Total	4,160			16.8894		1,575	1,084,745	0	0	4,160	1,084,745	1,084,412
15	Average Usage / Customer							688.58	0.00				688.37
								0.00056					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2014
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized		Normalized Including Unbilled
		Normal DDays	X Coefficient								Normal DDays	Including Unbilled	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
Public Authority - Class 4 Rate 1													
1	Jan-14	927		104.5596	16.2628	120.8224	1,580	190,899			944	193,989	193,929
2	Feb-14	903	0.1128	101.8525	16.2628	118.1153	1,581	186,740			735	156,830	156,781
3	Mar-14	616	0.1128	69.4808	16.2628	85.7436	1,578	135,303			538	121,458	121,420
4	Apr-14	391	0.1128	44.1023	16.2628	60.3651	1,571	94,834			247	69,338	69,317
5	May-14	140	0.1128	15.7911	16.2628	32.0539	1,582	50,709			68	37,873	37,862
6	Jun-14	23	0.1128	2.5943	16.2628	18.8571	1,575	29,700			1	25,799	25,792
7	Jul-14	0	0.1128	0.0000	16.2628	16.2628	1,585	25,777			0	25,784	25,777
8	Aug-14	0	0.1128	0.0000	16.2628	16.2628	1,574	25,598			0	25,606	25,598
9	Sep-14	3	0.1128	0.3384	16.2628	16.6012	1,565	25,981			36	31,816	31,806
10	Oct-14	116	0.1128	13.0840	16.2628	29.3468	1,571	46,104			228	65,970	65,950
11	Nov-14	355	0.1128	40.0417	16.2628	56.3045	1,546	87,047			510	114,111	114,075
12	Dec-14	686	0.1128	77.3763	16.2628	93.6391	1,596	149,448			853	179,566	179,511
13													
14	Total	4,160			16.2628		1,575	1,048,140	0	0	4,160	1,048,140	1,047,818
15	Average Usage / Customer						0	665.34 (0.00008)	0.00				665.14

Armos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2015
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized		Normalized Including Unbilled
		Normal DDays									Including Unbilled		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-15	927		101.0644	15.6362	116.7006	1,580	184,387			944	187,373	187,315
2	Feb-15	903	0.1090	98.4478	15.6362	114.0840	1,581	180,367			735	151,456	151,409
3	Mar-15	616	0.1090	67.1582	15.6362	82.7944	1,578	130,650			538	117,267	117,231
4	Apr-15	391	0.1090	42.6280	15.6362	58.2642	1,571	91,533			247	66,890	66,869
5	May-15	140	0.1090	15.2632	15.6362	30.8994	1,582	48,883			68	36,476	36,465
6	Jun-15	23	0.1090	2.5075	15.6362	18.1437	1,575	28,576			1	24,806	24,799
7	Jul-15	0	0.1090	0.0000	15.6362	15.6362	1,585	24,783			0	24,791	24,783
8	Aug-15	0	0.1090	0.0000	15.6362	15.6362	1,574	24,611			0	24,619	24,611
9	Sep-15	3	0.1090	0.3271	15.6362	15.9633	1,565	24,983			36	30,622	30,613
10	Oct-15	116	0.1090	12.6467	15.6362	28.2829	1,571	44,432			228	63,635	63,615
11	Nov-15	355	0.1090	38.7032	15.6362	54.3394	1,546	84,009			510	110,168	110,134
12	Dec-15	686	0.1090	74.7898	15.6362	90.4260	1,596	144,320			853	173,431	173,378
13													
14	Total	4,160			15.6362		1,575	1,011,534	0	0	4,160	1,011,534	1,011,223
15	Average Usage / Customer							642.11	0.00				641.91
								(0.00071)					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2016
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged	X Coefficient	Product	Constant	Normalized		Actual Volumes	Weather Adjustment	Normal DDays	Normalized		Normalized Including Unbilled
		Normal DDays				Usage per Customer	No. of Customers				Including Unbilled		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)	
Public Authority - Class 4 Rate 1													
1	Jan-16	927		97.5692	15.0096	112.5788	1,580	177,875		944	180,757	180,702	
2	Feb-16	903	0.1053	95.0432	15.0096	110.0528	1,581	173,993		735	146,082	146,037	
3	Mar-16	616	0.1053	64.8356	15.0096	79.8452	1,578	125,996		538	113,076	113,041	
4	Apr-16	391	0.1053	41.1538	15.0096	56.1634	1,571	88,233		247	64,442	64,422	
5	May-16	140	0.1053	14.7354	15.0096	29.7450	1,582	47,057		68	35,079	35,068	
6	Jun-16	23	0.1053	2.4208	15.0096	17.4304	1,575	27,453		1	23,813	23,806	
7	Jul-16	0	0.1053	0.0000	15.0096	15.0096	1,585	23,790		0	23,798	23,790	
8	Aug-16	0	0.1053	0.0000	15.0096	15.0096	1,574	23,625		0	23,632	23,625	
9	Sep-16	3	0.1053	0.3158	15.0096	15.3254	1,565	23,984		36	29,429	29,420	
10	Oct-16	116	0.1053	12.2093	15.0096	27.2189	1,571	42,761		228	61,299	61,280	
11	Nov-16	355	0.1053	37.3647	15.0096	52.3743	1,546	80,971		510	106,225	106,192	
12	Dec-16	686	0.1053	72.2033	15.0096	87.2129	1,596	139,192		853	167,296	167,245	
13													
14	Total	4,160			15.0096		1,575	974,930	0	0	4,160	974,928	974,629
15	Average Usage / Customer							618.87	0.00				618.68
								0.00056					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2017
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized		Normalized Including Unbilled
		Normal DDays	X Coefficient			Usage per Customer	No. of Customers				Normal DDays	Including Unbilled	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-17	927		94.0744	14.3830	108.4574	1,580	171,363			944	174,142	174,088
2	Feb-17	903	0.1015	91.6388	14.3830	106.0218	1,581	167,620			735	140,709	140,666
3	Mar-17	616	0.1015	62.5133	14.3830	76.8963	1,578	121,342			538	108,885	108,851
4	Apr-17	391	0.1015	39.6797	14.3830	54.0627	1,571	84,933			247	61,994	61,975
5	May-17	140	0.1015	14.2076	14.3830	28.5906	1,582	45,230			68	33,681	33,671
6	Jun-17	23	0.1015	2.3341	14.3830	16.7171	1,575	26,329			1	22,820	22,813
7	Jul-17	0	0.1015	0.0000	14.3830	14.3830	1,585	22,797			0	22,804	22,797
8	Aug-17	0	0.1015	0.0000	14.3830	14.3830	1,574	22,639			0	22,646	22,639
9	Sep-17	3	0.1015	0.3044	14.3830	14.6874	1,565	22,986			36	28,236	28,227
10	Oct-17	116	0.1015	11.7720	14.3830	26.1550	1,571	41,090			228	58,964	58,946
11	Nov-17	355	0.1015	36.0263	14.3830	50.4093	1,546	77,933			510	102,283	102,251
12	Dec-17	686	0.1015	69.6170	14.3830	84.0000	1,596	<u>134,064</u>			853	161,162	161,112
13													
14	Total	<u>4,160</u>			14.3830		1,575	<u>938,326</u>	<u>0</u>	<u>0</u>	4,160	<u>938,326</u>	938,037
15	Average Usage / Customer							595.64	0.00				595.45
								0.00056					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2018
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized		Normalized Including Unbilled
		Normal DDays									DDays	Unbilled	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
Public Authority - Class 4 Rate 1													
1	Jan-18	927		90.5793	13.7564	104.3357	1,580	164,850			944	167,527	167,475
2	Feb-18	903	0.0977	88.2342	13.7564	101.9906	1,581	161,247			735	135,336	135,294
3	Mar-18	616	0.0977	60.1908	13.7564	73.9472	1,578	116,689			538	104,694	104,662
4	Apr-18	391	0.0977	38.2055	13.7564	51.9619	1,571	81,632			247	59,546	59,527
5	May-18	140	0.0977	13.6797	13.7564	27.4361	1,582	43,404			68	32,284	32,274
6	Jun-18	23	0.0977	2.2474	13.7564	16.0038	1,575	25,206			1	21,827	21,820
7	Jul-18	0	0.0977	0.0000	13.7564	13.7564	1,585	21,804			0	21,811	21,804
8	Aug-18	0	0.0977	0.0000	13.7564	13.7564	1,574	21,653			0	21,659	21,653
9	Sep-18	3	0.0977	0.2931	13.7564	14.0495	1,565	21,988			36	27,042	27,034
10	Oct-18	116	0.0977	11.3346	13.7564	25.0910	1,571	39,418			228	56,628	56,611
11	Nov-18	355	0.0977	34.6879	13.7564	48.4443	1,546	74,895			510	98,340	98,310
12	Dec-18	686	0.0977	67.0307	13.7564	80.7871	1,596	128,936			853	155,027	154,980
13													
14	Total	4,160			13.7564		1,575	901,722	0	0	4,160	901,721	901,443
15	Average Usage / Customer							572.40	0.00				572.22
								0.00056					

	Bill Freq		Vol/Contr		Total		Total	% A	Norm	A		B	
	A	B	A	B	A	B				A	B		
Including Unbilled													
96	132,729	45,940	0	0	132,729	45,940	178,668	74.3%	203,924	151,491	52,433	18,762	6,493
89	129,140	39,493	0	0	129,140	39,493	168,633	76.6%	199,487	152,768	46,719	23,628	7,226
60	98,951	22,872	0	0	98,951	22,872	121,824	81.2%	144,611	117,460	27,151	18,509	4,279
17	47,244	7,222	0	0	47,244	7,222	54,466	86.7%	101,434	87,984	13,450	40,740	6,228
11	38,138	6,391	0	0	38,138	6,391	44,528	85.6%	54,362	46,560	7,802	8,422	1,411
1	26,129	3,541	0	0	26,129	3,541	29,670	88.1%	31,947	28,134	3,813	2,005	272
(2)	23,944	1,417	0	0	23,944	1,417	25,361	94.4%	27,763	26,212	1,551	2,268	134
2	24,738	5,233	0	0	24,738	5,233	29,972	82.5%	27,570	22,756	4,814	(1,982)	(419)
2	27,426	3,212	0	0	27,426	3,212	30,638	89.5%	27,977	25,044	2,933	(2,382)	(279)
17	41,133	12,880	0	0	41,133	12,880	54,013	76.2%	49,447	37,656	11,791	(3,477)	(1,089)
44	77,691	17,723	0	0	77,691	17,723	95,415	81.4%	93,123	75,825	17,298	(1,866)	(425)
67	104,054	30,384	0	0	104,054	30,384	134,439	77.4%	159,704	123,610	36,094	19,556	5,710
403	0.120334											124,183	29,541

Norm	A	B
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197,412	146,653	50,759
193,114	147,888	45,226
139,957	113,680	26,277
98,134	85,122	13,012
52,536	44,996	7,540
30,823	27,145	3,678
26,770	25,274	1,496
26,584	21,942	4,642
26,979	24,151	2,828
47,775	36,382	11,393
90,085	73,352	16,733
154,576	119,641	34,935

Norm	A	B
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190,899	141,815	49,084
186,740	143,006	43,734
135,303	109,900	25,403
94,834	82,260	12,574
50,709	43,431	7,278
29,700	26,156	3,544
25,777	24,337	1,440
25,598	21,128	4,470
25,981	23,257	2,724
46,104	35,110	10,994
87,047	70,878	16,169
149,448	115,671	33,777

Norm	A	B
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184,387	136,977	47,410
180,367	138,126	42,241
130,650	106,120	24,530
91,533	79,396	12,137
48,883	41,867	7,016
28,576	25,166	3,410
24,783	23,398	1,385
24,611	20,314	4,297
24,983	22,364	2,619
44,432	33,837	10,595
84,009	68,404	15,605
144,320	111,702	32,618

Norm	A	B
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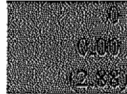
177,875	132,139	45,736
173,993	133,245	40,748
125,996	102,340	23,656
88,233	76,534	11,699
47,057	40,303	6,754
27,453	24,177	3,276
23,790	22,461	1,329
23,625	19,500	4,125
23,984	21,470	2,514
42,761	32,564	10,197
80,971	65,930	15,041
139,192	107,733	31,459

Norm A B

171,363	127,302	44,061
167,620	128,364	39,256
121,342	98,560	22,782
84,933	73,671	11,262
45,230	38,739	6,491
26,329	23,187	3,142
22,797	21,523	1,274
22,639	18,686	3,953
22,986	20,576	2,410
41,090	31,291	9,799
77,933	63,457	14,476
134,064	103,764	30,300

Norm	A	B
164,850	122,463	42,387
161,247	123,484	37,763
116,689	94,781	21,908
81,632	70,808	10,824
43,404	37,175	6,229
25,206	22,198	3,008
21,804	20,586	1,218
21,653	17,872	3,781
21,988	19,683	2,305
39,418	30,018	9,400
74,895	60,983	13,912
128,936	99,795	29,141

Annual Customer Growth =
 Base Load Change =
 Annual Load Change =



**Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 Reference Period Ended DECEMBER 31, 2012**

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volume (1)	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Commercial - Class 2 Rate 1</u>													
1	Jan-12	774	927	0.0353	32.7167	8.7964	41.5131	17,761	737,314	717,666	19,648	944	748,686
2	Feb-12	753	903	0.0353	31.8696	8.7964	40.6660	17,748	721,740	681,360	40,380	735	617,099
3	Mar-12	440	616	0.0353	21.7405	8.7964	30.5369	17,816	544,046	490,892	53,154	538	495,475
4	Apr-12	143	391	0.0353	13.7996	8.7964	22.5960	17,427	393,781	202,394	191,387	247	305,505
5	May-12	107	140	0.0353	4.9410	8.7964	13.7374	17,426	239,388	171,128	68,260	68	195,294
6	Jun-12	8	23	0.0353	0.8117	8.7964	9.6081	17,100	164,299	150,646	13,653	1	151,167
7	Jul-12	0	0	0.0353	0.0000	8.7964	8.7964	16,908	148,730	132,144	16,586	0	148,872
8	Aug-12	0	0	0.0353	0.0000	8.7964	8.7964	16,837	148,105	164,691	(16,586)	0	148,247
9	Sep-12	0	3	0.0353	0.1059	8.7964	8.9023	16,769	149,283	152,707	(3,424)	36	168,975
10	Oct-12	164	116	0.0353	4.0940	8.7964	12.8904	17,007	219,227	214,591	4,636	228	286,727
11	Nov-12	425	355	0.0353	12.5290	8.7964	21.3254	17,258	368,034	348,109	19,925	510	462,886
12	Dec-12	538	686	0.0353	24.2110	8.7964	33.0074	17,705	<u>584,396</u>	491,705	<u>92,691</u>	853	689,409
13													
14	Total	<u>3,352</u>	<u>4,160</u>			8.7964		17,314	<u>4,418,343</u>	<u>3,918,035</u>	<u>500,310</u>	4,160	<u>4,418,342</u>
15	Average Usage / Customer								255.20	226.30			

Note 1 - Adjusted for volume and contract adjustments, if any.

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2013
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-13	927	0.0346	32.0870	8.7964	40.8834	17,761	726,130			944	737,282
2	Feb-13	903	0.0346	31.2563	8.7964	40.0527	17,748	710,856			735	608,226
3	Mar-13	616	0.0346	21.3221	8.7964	30.1185	17,816	536,591			538	488,955
4	Apr-13	391	0.0346	13.5340	8.7964	22.3304	17,427	389,152			247	302,576
5	May-13	140	0.0346	4.8459	8.7964	13.6423	17,426	237,731			68	194,487
6	Jun-13	23	0.0346	0.7961	8.7964	9.5925	17,100	164,032			1	151,154
7	Jul-13	0	0.0346	0.0000	8.7964	8.7964	16,908	148,730			0	148,871
8	Aug-13	0	0.0346	0.0000	8.7964	8.7964	16,837	148,105			0	148,246
9	Sep-13	3	0.0346	0.1038	8.7964	8.9002	16,769	149,248			36	168,563
10	Oct-13	116	0.0346	4.0152	8.7964	12.8116	17,007	217,887			228	284,089
11	Nov-13	355	0.0346	12.2879	8.7964	21.0843	17,258	363,873			510	456,898
12	Dec-13	686	0.0346	23.7451	8.7964	32.5415	17,705	576,147			853	679,136
13												
14	Total	<u>4,160</u>			8.7964		17,314	4,368,482	0	0	4,160	4,368,483
15	Average Usage / Customer							252.32	0.00			
								(0.00012)	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2014
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient								Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-14	927	0.0339	31.4573	8.7964	40.2537	17,761	714,946			944	725,876
2	Feb-14	903	0.0339	30.6429	8.7964	39.4393	17,748	699,969			735	599,352
3	Mar-14	616	0.0339	20.9037	8.7964	29.7001	17,816	529,137			538	482,434
4	Apr-14	391	0.0339	13.2684	8.7964	22.0648	17,427	384,523			247	299,647
5	May-14	140	0.0339	4.7508	8.7964	13.5472	17,426	236,074			68	193,680
6	Jun-14	23	0.0339	0.7805	8.7964	9.5769	17,100	163,765			1	151,141
7	Jul-14	0	0.0339	0.0000	8.7964	8.7964	16,908	148,730			0	148,870
8	Aug-14	0	0.0339	0.0000	8.7964	8.7964	16,837	148,105			0	148,245
9	Sep-14	3	0.0339	0.1018	8.7964	8.8982	16,769	149,214			36	168,151
10	Oct-14	116	0.0339	3.9364	8.7964	12.7328	17,007	216,547			228	281,450
11	Nov-14	355	0.0339	12.0468	8.7964	20.8432	17,258	359,712			510	450,911
12	Dec-14	686	0.0339	23.2791	8.7964	32.0755	17,705	567,897			853	668,862
13												
14	Total	4,160			8.7964		17,314	4,318,619	0	0	4,160	4,318,619
15	Average Usage / Customer							249.44	0.00			
								(0.00024)	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2015
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized Normal HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-15	927	0.0333	30.8277	8.7964	39.6241	17,761	703,764			944	714,472
2	Feb-15	903	0.0333	30.0296	8.7964	38.8260	17,748	689,084			735	590,479
3	Mar-15	616	0.0333	20.4853	8.7964	29.2817	17,816	521,683			538	475,914
4	Apr-15	391	0.0333	13.0028	8.7964	21.7992	17,427	379,895			247	296,719
5	May-15	140	0.0333	4.6557	8.7964	13.4521	17,426	234,416			68	192,873
6	Jun-15	23	0.0333	0.7649	8.7964	9.5613	17,100	163,498			1	151,128
7	Jul-15	0	0.0333	0.0000	8.7964	8.7964	16,908	148,730			0	148,869
8	Aug-15	0	0.0333	0.0000	8.7964	8.7964	16,837	148,105			0	148,244
9	Sep-15	3	0.0333	0.0998	8.7964	8.8962	16,769	149,181			36	167,739
10	Oct-15	116	0.0333	3.8576	8.7964	12.6540	17,007	215,207			228	278,812
11	Nov-15	355	0.0333	11.8057	8.7964	20.6021	17,258	355,551			510	444,924
12	Dec-15	686	0.0333	22.8132	8.7964	31.6096	17,705	559,648			853	658,590
13												
14	Total	4,160			8.7964		17,314	4,268,762	0	0	4,160	4,268,763
15	Average Usage / Customer							246.56	0.00			
								0.00011	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2016
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-16	927	0.0326	30.1981	8.7964	38.9945	17,761	692,582			944	703,073
2	Feb-16	903	0.0326	29.4162	8.7964	38.2126	17,748	678,197			735	581,610
3	Mar-16	616	0.0326	20.0669	8.7964	28.8633	17,816	514,229			538	469,398
4	Apr-16	391	0.0326	12.7373	8.7964	21.5337	17,427	375,268			247	293,792
5	May-16	140	0.0326	4.5607	8.7964	13.3571	17,426	232,761			68	192,067
6	Jun-16	23	0.0326	0.7493	8.7964	9.5457	17,100	163,232			1	151,117
7	Jul-16	0	0.0326	0.0000	8.7964	8.7964	16,908	148,730			0	148,869
8	Aug-16	0	0.0326	0.0000	8.7964	8.7964	16,837	148,105			0	148,244
9	Sep-16	3	0.0326	0.0977	8.7964	8.8941	16,769	149,145			36	167,329
10	Oct-16	116	0.0326	3.7788	8.7964	12.5752	17,007	213,867			228	276,176
11	Nov-16	355	0.0326	11.5645	8.7964	20.3609	17,258	351,389			510	438,940
12	Dec-16	686	0.0326	22.3472	8.7964	31.1436	17,705	551,398			853	648,322
13												
14	Total	4,160			8.7964		17,314	4,218,903	0	0	4,160	4,218,937
15	Average Usage / Customer							243.68	0.00			
								(0.00001)	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2017
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-17	927		29.5684	8.7964	38.3648	17,761	681,397			944	691,675
2	Feb-17	903	0.0319	28.8029	8.7964	37.5993	17,748	667,313			735	572,742
3	Mar-17	616	0.0319	19.6485	8.7964	28.4449	17,816	506,775			538	462,881
4	Apr-17	391	0.0319	12.4717	8.7964	21.2681	17,427	370,639			247	290,866
5	May-17	140	0.0319	4.4656	8.7964	13.2620	17,426	231,104			68	191,262
6	Jun-17	23	0.0319	0.7336	8.7964	9.5300	17,100	162,963			1	151,105
7	Jul-17	0	0.0319	0.0000	8.7964	8.7964	16,908	148,730			0	148,869
8	Aug-17	0	0.0319	0.0000	8.7964	8.7964	16,837	148,105			0	148,244
9	Sep-17	3	0.0319	0.0957	8.7964	8.8921	16,769	149,112			36	166,919
10	Oct-17	116	0.0319	3.7000	8.7964	12.4964	17,007	212,526			228	273,539
11	Nov-17	355	0.0319	11.3234	8.7964	20.1198	17,258	347,228			510	432,956
12	Dec-17	686	0.0319	21.8813	8.7964	30.6777	17,705	543,149			853	638,055
13												
14	Total	<u>4,160</u>			8.7964		17,314	<u>4,169,041</u>	<u>0</u>	<u>0</u>	4,160	<u>4,169,113</u>
15	Average Usage / Customer							240.80	0.00			
								(0.00018)	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2018
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-18	927	0.0312	28.9388	8.7964	37.7352	17,761	670,215			944	680,276
2	Feb-18	903	0.0312	28.1896	8.7964	36.9860	17,748	656,428			735	563,873
3	Mar-18	616	0.0312	19.2301	8.7964	28.0265	17,816	499,320			538	456,365
4	Apr-18	391	0.0312	12.2061	8.7964	21.0025	17,427	366,011			247	287,939
5	May-18	140	0.0312	4.3705	8.7964	13.1669	17,426	229,447			68	190,456
6	Jun-18	23	0.0312	0.7180	8.7964	9.5144	17,100	162,696			1	151,094
7	Jul-18	0	0.0312	0.0000	8.7964	8.7964	16,908	148,730			0	148,869
8	Aug-18	0	0.0312	0.0000	8.7964	8.7964	16,837	148,105			0	148,244
9	Sep-18	3	0.0312	0.0937	8.7964	8.8901	16,769	149,078			36	166,508
10	Oct-18	116	0.0312	3.6213	8.7964	12.4177	17,007	211,188			228	270,903
11	Nov-18	355	0.0312	11.0823	8.7964	19.8787	17,258	343,067			510	426,972
12	Dec-18	686	0.0312	21.4153	8.7964	30.2117	17,705	534,898			853	627,787
13												
14	Total	4,160			8.7964		17,314	4,119,183	0	0	4,160	4,119,286
15	Average Usage / Customer							237.92	0.00			
								0.00005	(2.88)			

Normalized Including Unbilled (l)	Actual Ddays	Weighted Volumes per DDAYS			Including Unbilled	Bill Freq		Vol/Contr		Total	
						A	B	A	B	A	B
747,970	774	156,233	561,433	32		647,310	70,356	0	0	647,310	70,356
616,509	753	156,119	525,241	30		615,374	65,986	0	0	615,374	65,986
495,001	440	156,717	334,175	19		451,310	39,582	0	0	451,310	39,582
305,213	143	153,295	49,099	3		189,802	12,592	0	0	189,802	12,592
195,107	107	153,286	17,842	1		161,273	9,855	0	0	161,273	9,855
151,022	8	150,419	228	0		137,683	12,963	0	0	137,683	12,963
148,730	0	148,730	(16,586)	(1)		109,814	22,330	0	0	109,814	22,330
148,105	0	148,105	16,586	1		123,007	41,684	0	0	123,007	41,684
168,813	0	147,507	5,200	0		84,752	67,956	0	0	84,752	67,956
286,453	164	149,601	64,990	4		174,934	39,657	0	0	174,934	39,657
462,443	425	151,808	196,301	11		320,125	27,984	0	0	320,125	27,984
688,749	538	155,740	335,965	19		452,479	39,226	0	0	452,479	39,226
4,414,115 254.95	3,352	1,827,560	2,090,475	118	0.035293						

Normalized
Including
Unbilled
(1)

Norm A B

736,582	726,130	654,944	71,186
607,649	710,856	642,013	68,843
488,491	536,591	493,324	43,267
302,289	389,152	364,940	24,212
194,303	237,731	224,041	13,690
151,011	164,032	149,917	14,115
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
168,403	149,248	82,832	66,416
283,819	217,887	177,621	40,266
456,465	363,873	334,622	29,251
678,491	576,147	530,185	45,962
4,364,337			
252.08			

Normalized
Including
Unbilled
(1)

Norm A B

725,193	714,946	644,857	70,089
598,788	699,969	632,180	67,789
481,980	529,137	486,471	42,666
299,365	384,523	360,599	23,924
193,498	236,074	222,479	13,595
150,999	163,765	149,673	14,092
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
167,993	149,214	82,813	66,401
281,185	216,547	176,529	40,018
450,486	359,712	330,795	28,917
668,233	567,897	522,593	45,304
4,314,554			
249.20			

Normalized
Including
Unbilled

(1)

Norm A B

713,805	703,764	634,771	68,993
589,927	689,084	622,350	66,734
475,470	521,683	479,618	42,065
296,442	379,895	356,259	23,636
192,693	234,416	220,916	13,500
150,987	163,498	149,429	14,069
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
167,583	149,181	82,795	66,386
278,551	215,207	175,436	39,771
444,508	355,551	326,969	28,582
657,975	559,648	515,002	44,646
4,264,776			
246.33			

Normalized
Including
Unbilled
(l)

Norm A B

702,417	692,582	624,685	67,897
581,067	678,197	612,517	65,680
468,959	514,229	472,765	41,464
293,518	375,268	351,920	23,348
191,888	232,761	219,357	13,404
150,976	163,232	149,186	14,046
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
167,173	149,145	82,775	66,370
275,918	213,867	174,344	39,523
438,530	351,389	323,141	28,248
647,717	551,398	507,410	43,988
4,214,997			
243.45			

Normalized
Including
Unbilled

(1)

Norm A B

691,029	681,397	614,597	66,800
572,207	667,313	602,687	64,626
462,449	506,775	465,912	40,863
290,594	370,639	347,579	23,060
191,083	231,104	217,795	13,309
150,964	162,963	148,940	14,023
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
166,763	149,112	82,756	66,356
273,284	212,526	173,251	39,275
432,552	347,228	319,315	27,913
637,459	543,149	499,819	43,330
4,165,220			
240.58			

Normalized
Including
Unbilled
(1)

Norm A B

679,641	670,215	604,511	65,704
563,346	656,428	592,856	63,572
455,939	499,320	459,058	40,262
287,671	366,011	343,239	22,772
190,278	229,447	216,234	13,213
150,952	162,696	148,696	14,000
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
166,353	149,078	82,737	66,341
270,650	211,188	172,160	39,028
426,573	343,067	315,488	27,579
627,201	534,898	492,226	42,672
4,115,439			
237.70			

Total	% A	Norm	A	B		
717,666	90.2%	737,314	665,032	72,282	17,722	1,926
681,360	90.3%	721,740	651,843	69,897	36,469	3,911
490,892	91.9%	544,046	500,178	43,868	48,868	4,286
202,394	93.8%	393,781	369,281	24,500	179,479	11,908
171,128	94.2%	239,388	225,602	13,786	64,329	3,931
150,646	91.4%	164,299	150,161	14,138	12,478	1,175
132,144	83.1%	148,730	123,597	25,133	13,783	2,803
164,691	74.7%	148,105	110,619	37,486	(12,388)	(4,198)
152,707	55.5%	149,283	82,851	66,432	(1,901)	(1,524)
214,591	81.5%	219,227	178,713	40,514	3,779	857
348,109	92.0%	368,034	338,448	29,586	18,323	1,602
491,705	92.0%	584,396	537,776	46,620	85,297	7,394
					466,238	34,071

Annual Customer Growth =
 Base Load Change =
 Annual Load Change =



Atmos Energy - Kentucky
Normalization Of Volumes For Weather
Reference Period Ended DECEMBER 31, 2012
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Residential - Class 1 Rate 1</u>													
1	Jan-12	774	927	0.0122	11.3201	1.0790	12.3991	156,468	1,940,066	1,770,425	169,641	944	1,975,368
2	Feb-12	753	903	0.0122	11.0270	1.0790	12.1060	156,643	1,896,323	1,657,110	239,213	735	1,577,219
3	Mar-12	440	616	0.0122	7.5223	1.0790	8.6013	156,660	1,347,483	1,188,115	159,368	538	1,199,979
4	Apr-12	143	391	0.0122	4.7747	1.0790	5.8537	155,122	908,041	391,062	516,979	247	636,175
5	May-12	107	140	0.0122	1.7096	1.0790	2.7886	155,085	432,473	317,781	114,692	68	296,544
6	Jun-12	8	23	0.0122	0.2809	1.0790	1.3599	152,852	207,867	187,631	20,236	1	167,036
7	Jul-12	0	0	0.0122	0.0000	1.0790	1.0790	151,980	163,989	153,536	10,453	0	164,224
8	Aug-12	0	0	0.0122	0.0000	1.0790	1.0790	151,511	163,483	173,937	(10,454)	0	163,717
9	Sep-12	0	3	0.0122	0.0366	1.0790	1.1156	150,823	168,261	146,428	21,833	36	229,373
10	Oct-12	164	116	0.0122	1.4165	1.0790	2.4955	151,649	378,443	307,135	71,308	228	586,696
11	Nov-12	425	355	0.0122	4.3351	1.0790	5.4141	151,892	822,362	858,810	(36,448)	510	1,111,447
12	Dec-12	538	686	0.0122	8.3771	1.0790	9.4561	156,152	<u>1,476,592</u>	<u>1,217,569</u>	<u>259,023</u>	853	1,797,606
13													
14	Total	<u>3,352</u>	<u>4,160</u>			1.0790		153,903	<u>9,905,383</u>	<u>8,369,538</u>	<u>1,535,844</u>	4,160	<u>9,905,384</u>
15	Average Usage / Customer								64.36	54.38			



Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2013
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-13	927	0.0121	11.1963	1.0482	12.2445	156,468	1,915,874			944	1,950,795
2	Feb-13	903	0.0121	10.9064	1.0482	11.9546	156,643	1,872,606			735	1,556,996
3	Mar-13	616	0.0121	7.4400	1.0482	8.4882	156,660	1,329,763			538	1,183,879
4	Apr-13	391	0.0121	4.7225	1.0482	5.7707	155,122	895,164			247	626,268
5	May-13	140	0.0121	1.6909	1.0482	2.7391	155,085	424,795			68	290,350
6	Jun-13	23	0.0121	0.2778	1.0482	1.3260	152,852	202,684			1	162,300
7	Jul-13	0	0.0121	0.0000	1.0482	1.0482	151,980	159,307			0	159,536
8	Aug-13	0	0.0121	0.0000	1.0482	1.0482	151,511	158,816			0	159,043
9	Sep-13	3	0.0121	0.0362	1.0482	1.0844	150,823	163,554			36	223,994
10	Oct-13	116	0.0121	1.4010	1.0482	2.4492	151,649	371,421			228	577,396
11	Nov-13	355	0.0121	4.2877	1.0482	5.3359	151,892	810,482			510	1,096,406
12	Dec-13	686	0.0121	8.2855	1.0482	9.3337	156,152	1,457,478			853	1,774,983
13												
14	Total	4,160			1.0482		153,903	9,761,944	0	0	4,160	9,761,946
15	Average Usage / Customer							63.43	0.00			
								(0.00002)				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2014
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-14	927	0.0119	11.0725	1.0174	12.0899	156,468	1,891,683			944	1,926,228
2	Feb-14	903	0.0119	10.7858	1.0174	11.8032	156,643	1,848,889			735	1,536,777
3	Mar-14	616	0.0119	7.3578	1.0174	8.3752	156,660	1,312,060			538	1,167,783
4	Apr-14	391	0.0119	4.6703	1.0174	5.6877	155,122	882,288			247	616,362
5	May-14	140	0.0119	1.6722	1.0174	2.6896	155,085	417,117			68	284,157
6	Jun-14	23	0.0119	0.2747	1.0174	1.2921	152,852	197,501			1	157,565
7	Jul-14	0	0.0119	0.0000	1.0174	1.0174	151,980	154,625			0	154,848
8	Aug-14	0	0.0119	0.0000	1.0174	1.0174	151,511	154,148			0	154,370
9	Sep-14	3	0.0119	0.0358	1.0174	1.0532	150,823	158,847			36	218,617
10	Oct-14	116	0.0119	1.3856	1.0174	2.4030	151,649	364,413			228	568,097
11	Nov-14	355	0.0119	4.2403	1.0174	5.2577	151,892	798,603			510	1,081,368
12	Dec-14	686	0.0119	8.1939	1.0174	9.2113	156,152	1,438,364			853	1,752,365
13												
14	Total	4,160			1.0174		153,903	9,618,538	0	0	4,160	9,618,537
15	Average Usage / Customer							62.50	0.00			
								0.00019				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2015
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
<u>Residential - Class 1 Rate 1</u>												
1	Jan-15	927		10.9487	0.9866	11.9353	156,468	1,867,492			944	1,901,659
2	Feb-15	903	0.0118	10.6652	0.9866	11.6518	156,643	1,825,172			735	1,516,556
3	Mar-15	616	0.0118	7.2755	0.9866	8.2621	156,660	1,294,340			538	1,151,685
4	Apr-15	391	0.0118	4.6181	0.9866	5.6047	155,122	869,412			247	606,456
5	May-15	140	0.0118	1.6535	0.9866	2.6401	155,085	409,439			68	277,963
6	Jun-15	23	0.0118	0.2717	0.9866	1.2583	152,852	192,333			1	152,830
7	Jul-15	0	0.0118	0.0000	0.9866	0.9866	151,980	149,943			0	150,160
8	Aug-15	0	0.0118	0.0000	0.9866	0.9866	151,511	149,480			0	149,697
9	Sep-15	3	0.0118	0.0354	0.9866	1.0220	150,823	154,141			36	213,239
10	Oct-15	116	0.0118	1.3701	0.9866	2.3567	151,649	357,391			228	558,798
11	Nov-15	355	0.0118	4.1929	0.9866	5.1795	151,892	786,724			510	1,066,329
12	Dec-15	686	0.0118	8.1023	0.9866	9.0889	156,152	1,419,249			853	1,729,745
13												
14	Total	4,160			0.9866		153,903	9,475,116	0	0	4,160	9,475,117
15	Average Usage / Customer							61.57	0.00			
								0.00009				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2016
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient								Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-16	927		10.8249	0.9558	11.7807	156,468	1,843,301			944	1,877,082
2	Feb-16	903	0.0117	10.5447	0.9558	11.5005	156,643	1,801,471			735	1,496,329
3	Mar-16	616	0.0117	7.1933	0.9558	8.1491	156,660	1,276,636			538	1,135,582
4	Apr-16	391	0.0117	4.5659	0.9558	5.5217	155,122	856,535			247	596,547
5	May-16	140	0.0117	1.6348	0.9558	2.5906	155,085	401,761			68	271,769
6	Jun-16	23	0.0117	0.2686	0.9558	1.2244	152,852	187,150			1	148,093
7	Jul-16	0	0.0117	0.0000	0.9558	0.9558	151,980	145,261			0	145,471
8	Aug-16	0	0.0117	0.0000	0.9558	0.9558	151,511	144,813			0	145,022
9	Sep-16	3	0.0117	0.0350	0.9558	0.9908	150,823	149,434			36	207,859
10	Oct-16	116	0.0117	1.3546	0.9558	2.3104	151,649	350,368			228	549,496
11	Nov-16	355	0.0117	4.1455	0.9558	5.1013	151,892	774,845			510	1,051,285
12	Dec-16	686	0.0117	8.0107	0.9558	8.9665	156,152	1,400,135			853	1,707,117
13												
14	Total	4,160			0.9558		153,903	9,331,710	0	0	4,160	9,331,652
15	Average Usage / Customer							60.63	0.00			
								0.00019				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2017
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-17	927	0.0115	10.7012	0.9250	11.6262	156,468	1,819,125			944	1,852,508
2	Feb-17	903	0.0115	10.4241	0.9250	11.3491	156,643	1,777,754			735	1,476,104
3	Mar-17	616	0.0115	7.1110	0.9250	8.0360	156,660	1,258,917			538	1,119,481
4	Apr-17	391	0.0115	4.5137	0.9250	5.4387	155,122	843,659			247	586,639
5	May-17	140	0.0115	1.6161	0.9250	2.5411	155,085	394,084			68	265,574
6	Jun-17	23	0.0115	0.2655	0.9250	1.1905	152,852	181,967			1	143,357
7	Jul-17	0	0.0115	0.0000	0.9250	0.9250	151,980	140,579			0	140,782
8	Aug-17	0	0.0115	0.0000	0.9250	0.9250	151,511	140,145			0	140,348
9	Sep-17	3	0.0115	0.0346	0.9250	0.9596	150,823	144,727			36	202,480
10	Oct-17	116	0.0115	1.3391	0.9250	2.2641	151,649	343,346			228	540,195
11	Nov-17	355	0.0115	4.0981	0.9250	5.0231	151,892	762,966			510	1,036,242
12	Dec-17	686	0.0115	7.9191	0.9250	8.8441	156,152	1,381,021			853	1,684,492
13												
14	Total	4,160			0.9250		153,903	9,188,290	0	0	4,160	9,188,202
15	Average Usage / Customer							59.70	0.00			
								0.00010				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2018
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-18	927		10.5774	0.8942	11.4716	156,468	1,794,934			944	1,827,928
2	Feb-18	903	0.0114	10.3035	0.8942	11.1977	156,643	1,754,037			735	1,455,875
3	Mar-18	616	0.0114	7.0288	0.8942	7.9230	156,660	1,241,213			538	1,103,376
4	Apr-18	391	0.0114	4.4614	0.8942	5.3556	155,122	830,767			247	576,729
5	May-18	140	0.0114	1.5974	0.8942	2.4916	155,085	386,406			68	259,379
6	Jun-18	23	0.0114	0.2624	0.8942	1.1566	152,852	176,785			1	138,621
7	Jul-18	0	0.0114	0.0000	0.8942	0.8942	151,980	135,896			0	136,093
8	Aug-18	0	0.0114	0.0000	0.8942	0.8942	151,511	135,477			0	135,673
9	Sep-18	3	0.0114	0.0342	0.8942	0.9284	150,823	140,020			36	197,101
10	Oct-18	116	0.0114	1.3236	0.8942	2.2178	151,649	336,323			228	530,892
11	Nov-18	355	0.0114	4.0507	0.8942	4.9449	151,892	751,087			510	1,021,197
12	Dec-18	686	0.0114	7.8275	0.8942	8.7217	156,152	1,361,907			853	1,661,862
13												
14	Total	4,160			0.8942		153,903	9,044,852	0	0	4,160	9,044,726
15	Average Usage / Customer							58.77 (0.00001)	0.00			

Normalized
Including Actual
Unbilled Ddays
(1)

1,972,546	774	168,832	1,601,593	10	
1,574,966	753	169,021	1,488,089	9	
1,198,265	440	169,039	1,019,076	7	
635,266	143	167,380	223,682	1	
296,120	107	167,340	150,441	1	
166,797	8	164,930	22,700	0	
163,989	0	163,989	(10,454)	(0)	
163,483	0	163,483	10,454	0	
229,045	0	162,741	(16,313)	(0)	
585,858	164	163,632	143,503	1	
1,109,860	425	163,895	694,915	5	
1,795,039	538	168,491	1,049,078	7	
9,891,235	3,352	1,992,774	6,376,764	40.9	0.012212
64.27					

Normalized
Including
Unbilled

(1)

1,948,001
1,554,765
1,182,183
625,371
289,934
162,067
159,307
158,816
223,674
576,569
1,094,835
1,772,440

9,747,962
63.34

Normalized
Including
Unbilled

⁽¹⁾

1,923,453
1,534,563
1,166,100
615,474
283,748
157,338
154,625
154,148
218,302
567,279
1,079,810
1,749,840

9,604,679
62.41

Normalized
Including
Unbilled

⁽¹⁾

1,898,909
1,514,363
1,150,019
605,579
277,561
152,609
149,943
149,480
212,930
557,990
1,064,786
1,727,243

9,461,412
61.48

Normalized
Including
Unbilled

⁽¹⁾

1,874,367

1,494,165

1,133,940

595,684

271,376

147,879

145,261

144,813

207,559

548,701

1,049,764

1,704,648

9,318,157

60.55

Normalized
Including
Unbilled

⁽¹⁾

1,849,828

1,473,969

1,117,861

585,790

265,190

143,150

140,579

140,145

202,187

539,413

1,034,743

1,682,056

9,174,912

59.61

Normalized
Including
Unbilled

₍₁₎

1,825,284

1,453,769

1,101,781

575,895

259,004

138,420

135,896

135,477

196,816

530,124

1,019,720

1,659,459

9,031,645

58.68

Atmos Energy - Kentucky
Actual & Normal Degree Days
12 Months Ended 12/31/2012

Line No.	Month	Actual Ddays	Normal Ddays	Lagged Actual Mo. Ddays (1)	Lagged Normal Mo. Ddays (1)
	(a)	(b)	(c)	(d)	(e)
Basis: NOAA Normals for 1981-2010					
1	Jan-12	774	944	774	927
2	Feb-12	645	735	753	903
3	Mar-12	208	538	440	616
4	Apr-12	209	247	143	391
5	May-12	13	68	107	140
6	Jun-12	8	1	8	23
7	Jul-12	0	0	0	0
8	Aug-12	0	0	0	0
9	Sep-12	41	36	0	3
10	Oct-12	276	228	164	116
11	Nov-12	581	510	425	355
12	Dec-12	638	853	538	686
13					
14		3,393	4,160	3,352	4,160

- (1) Based upon 16th of previous month through 15th of billing month.
(2) Per NOAA, as reported for stations in Paducah (35.3%), Evansville (23.7%), Louisville (4.1%), Lexington (14.1%) and Nashville (22.8%).

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY DATA
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS	156,468	158,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	156,152	1,846,837		\$14.26	\$26,372,832
3	Sales: 1-300	1,766,342	1,653,701	1,186,992	390,860	317,706	187,557	153,499	173,896	146,388	306,999	857,775	1,215,197		8,356,911	1.1000	9,192,602
4	Sales: 301-15000	4,083	3,409	1,123	203	75	74	37	42	40	136	1,035	2,372			0.7700	9,723
5	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
6	CLASS TOTAL (Mcf/month)	1,770,425	1,657,110	1,188,115	391,062	317,781	187,631	153,536	173,937	146,428	307,135	858,810	1,217,569	1,846,837	8,369,538		\$35,576,157
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258	17,705	207,762		35.70	\$7,417,103
10	Sales: 1-300	647,310	615,374	451,310	199,802	161,273	137,663	109,814	123,007	84,752	174,934	320,125	452,479		3,467,863	1.1000	3,814,660
11	Sales: 301-15000	70,356	65,986	39,582	12,592	9,856	12,963	22,330	41,684	67,956	39,657	27,984	39,226		450,172	0.7700	346,632
12	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
13	CLASS TOTAL (Mcf/month)	717,666	681,360	490,892	202,394	171,128	150,646	132,144	164,691	152,707	214,591	348,109	491,705	207,762	3,918,035		\$11,578,386
14																	
15	<u>FIRM INDUSTRIAL (Rate G-1)</u>																
16	FIRM BILLS	208	204	204	197	202	201	189	184	194	211	196	192	2,382		\$35.70	\$85,037
17	Sales: 1-300	41,246	32,984	31,547	16,569	13,095	9,891	6,944	10,151	8,091	11,306	22,470	29,214		233,509	1.1000	256,860
18	Sales: 301-15000	74,671	49,940	24,545	8,612	5,137	4,950	3,725	6,512	7,958	7,930	19,249	26,812		240,041	0.7700	184,831
19	Sales: Over 15000	3,337	0	0	0	0	0	0	0	0	0	0	0		3,337	0.5000	1,659
20	CLASS TOTAL (Mcf/month)	119,254	82,924	56,092	25,181	18,233	14,841	10,670	16,663	16,049	19,236	41,718	56,026	2,382	476,887		\$528,397
21																	
22	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
23	FIRM BILLS	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	1,596	18,904		\$35.70	\$674,973
24	Sales: 1-300	132,729	129,140	98,951	47,244	38,138	26,129	23,944	24,738	27,426	41,133	77,691	104,054		771,318	1.1000	848,450
25	Sales: 301-15000	45,940	39,493	22,872	7,222	6,391	3,541	1,417	5,233	3,212	12,880	17,723	30,384		196,309	0.7700	151,158
26	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
27	CLASS TOTAL (Mcf/month)	178,668	168,633	121,824	54,466	44,528	29,670	25,361	29,972	30,638	54,013	95,415	134,439	18,904	967,627		\$1,674,480
28																	
29	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>																
30	INT BILLS	3	3	3	3	4	2	2	2	3	4	4	4	37		344.07	\$12,731
31	Sales: 1-15000	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838		21,815	0.6870	14,987
32	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.4670	0
33	CLASS TOTAL (Mcf/month)	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838	37	21,815		\$27,718
34																	
35	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>																
36	INT BILLS	9	9	8	9	9	8	6	10	7	9	8	9	101		344.07	\$34,751
37	Sales: 1-15000	12,876	11,922	12,035	13,335	18,790	27,539	27,230	30,769	32,104	31,778	34,850	21,764		272,991	0.6870	187,545
38	Sales: Over 15000	0	0	0	0	0	14,373	49,146	52,245	54,086	54,136	15,434	7,873		247,293	0.4670	115,486
39	CLASS TOTAL (Mcf/month)	12,876	11,922	12,035	13,335	18,790	41,912	76,376	83,014	86,190	85,914	50,284	29,637	101	520,284		\$337,782
40																	
41	<u>TRANSPORTATION (T-4)</u>																
42	TRANSPORTATION BILLS	119	119	121	121	121	121	123	123	124	124	123	124	1,463		328.33	\$480,347
43	Trans Admin Fee	\$5,900	\$5,900	\$5,950	\$5,950	\$5,950	\$5,950	\$6,050	\$6,050	\$6,100	\$6,100	\$6,050	\$6,050				72,000
44	EFM Fee	\$5,325	\$5,325	\$5,325	\$5,325	\$5,325	\$5,325	\$5,475	\$5,475	\$5,475	\$5,475	\$5,475	\$5,175				64,500
45	Parking Fee	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$88	\$224				1,791
46	Firm Transport: 1-300	35,514	35,517	35,137	34,807	33,813	33,690	33,132	33,565	34,155	36,245	36,586	36,653		418,814	1.1930	499,645
47	Firm Transport: 301-15000	518,266	479,662	400,100	366,325	348,918	327,880	308,835	336,457	330,171	418,414	469,786	476,937		4,780,751	0.8351	3,992,405
48	Firm Transport: Over 1500	56,879	43,659	35,513	25,909	25,936	25,735	18,750	32,393	31,579	41,703	51,597	80,563		470,216	0.5423	254,998
49	CLASS TOTAL (Mcf/month)	610,659	568,838	470,750	426,041	408,687	387,305	360,717	402,415	395,905	496,382	557,969	594,153	1,463	5,669,781		\$5,365,696
50																	

47	<u>TRANSPORTATION (T-3)</u>															
48	TRANSPORTATION BILLS															
49	Trans Admin Fee	64	64	64	64	66	66	66	66	66	66	65	65	782	329.24	\$257,466
50	EFM Fee	\$3,200	\$3,200	\$3,200	\$3,200	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,250			39,100
51	Parking Fee	\$2,550	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$2,550			31,275
52	Interrupt Transport 1-15000	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$258			4,558
53	Interrupt Transport Over 15000	444,777	421,495	389,189	389,518	394,954	378,227	362,369	361,407	376,699	439,233	452,458	424,698	4,855,024	0.6822	3,298,453
54	CLASS TOTAL (Mcf/month)	277,361	244,305	194,625	166,441	189,966	158,090	139,951	163,234	146,445	202,415	182,689	165,000	2,230,522	0.4440	990,352
55	POOLING FEES	722,138	665,800	583,814	535,959	584,920	536,317	502,320	544,641	523,144	641,648	635,147	599,698	782	7,065,546	\$4,621,203
56	Pooling Fees	\$8,587	\$14,095	\$9,426	\$8,549	\$5,503	\$10,043	\$5,948	\$5,529	\$3,497	\$1,022	\$4,258	\$7,393			\$83,849
57	<u>SPECIAL CONTRACTS</u>															
58	TRANSPORTATION BILLS															
59	Trans Admin Fee	18	18	18	18	18	18	18	18	18	18	18	18	216	300.00	\$64,800
60	EFM Fee	\$875	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$850			10,375
61	Parking Fee	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$825	\$825			9,725
62	Transported Volumes	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$555	\$919	\$847			17,352
63	Charges for Transport Volumes	1,303,342	1,154,553	1,101,545	1,112,398	1,164,351	1,076,180	1,039,956	1,134,314	1,060,003	1,098,888	1,063,713	1,068,175	13,377,418		1,364,868
64	CLASS TOTAL (Mcf/month)	\$130,868	\$119,468	\$113,421	\$114,370	\$117,340	\$112,814	\$106,204	\$113,681	\$105,245	\$112,171	\$107,729	\$111,556	216	13,377,418	\$1,467,120
65		1,303,342	1,154,553	1,101,545	1,112,398	1,164,351	1,076,180	1,039,956	1,134,314	1,060,003	1,098,888	1,063,713	1,068,175	216	13,377,418	\$1,467,120

GAS COST ESTIMATES

	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
Firm Sales	1,040,426	550,413	360,657	351,537	356,593	448,986	963,667	1,738,249	2,735,404	3,004,792	2,407,807	1,853,745	1,025,144	542,015	354,815
Int Sales	13,522	18,844	12,587	12,272	15,799	20,332	18,443	25,582	34,476	14,793	13,969	13,124	13,522	16,844	12,587
Total Sales	1,053,951	567,256	373,243	363,809	372,392	469,317	982,110	1,763,831	2,769,880	3,019,585	2,421,676	1,866,869	1,038,667	558,858	367,501
0.84% L&U / Co Use	8,883	4,765	3,135	3,056	3,123	3,942	8,250	14,816	23,287	25,365	20,342	15,882	6,725	4,694	3,087
Supply Req	1,062,804	572,021	376,378	366,865	375,520	473,259	990,360	1,778,647	2,793,147	3,044,950	2,442,018	1,882,551	1,047,392	563,552	370,588
1.010 MMBtu	1,073,432	577,741	380,142	370,533	379,275	477,992	1,000,263	1,796,434	2,821,079	3,075,399	2,466,438	1,901,376	1,057,865	569,188	374,294
Storage															
Tenn Gas (W)								119,926	218,048	285,034	217,762	140,443			
Texas Gas (W)								446,342	637,631	637,631	510,105	637,631			
Co Owned (W)								374,885	874,652	1,106,372	1,101,619	696,133			
Total (W)								941,152	1,730,330	2,029,037	1,329,486	1,476,207			
Tenn Gas (N)	134,755	141,731	141,731	141,731	141,731	141,731	137,805						134,755	141,731	141,731
Texas Gas (N)	419,015	419,015	419,015	419,015	419,015	419,015	355,251						419,015	419,015	419,015
Co Owned (N)	593,665	593,665	593,665	593,665	593,665	593,665	593,665						593,665	593,665	593,665
Total (N)	1,147,435	1,154,411	1,154,411	1,154,411	1,154,411	1,154,411	1,086,722						1,147,435	1,154,411	1,154,411
Quantity															
Local Production													30,000	30,000	50,000
Hedging Purchases															
Requirements excluding Prod.	1,043,432	547,741	330,142	320,533	329,275	427,992	950,263	1,766,434	2,811,079	3,065,399	2,446,438	1,881,376	1,027,665	539,188	324,294
Rates															
Hedging Prices															
NYMEX PRICE															
3% Pipeline Losses @ 3%	\$0.0678	\$0.0630	\$0.0751	\$0.0858	\$0.0931	\$0.0815	\$0.0935	\$0.1074	\$0.1143	\$0.1037	\$0.0988	\$0.1060	\$0.1230	\$0.1289	\$0.1299
TGT/MW/Trunk Var Transp	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
TGP - GS Variable Tran	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000
TGP - G Variable Transp	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
Storage Inventory															
Co Owned & TN (\$)	1,659,896	1,558,282	1,858,231	2,117,789	2,298,710	2,011,650	2,294,254	(1,814,254)	(4,006,452)	(5,101,878)	(4,837,595)	(3,074,694)	3,000,339	3,173,879	3,198,897
Cumulative (\$)	10,557,452	12,115,733	13,971,964	16,089,753	18,386,463	20,398,113	22,692,367	20,878,113	16,871,661	11,769,983	6,932,387	3,857,693	6,858,032	10,031,911	13,230,806
Average Price for Season							\$3.6666								
TGT NNS (\$)	954,835	887,879	1,057,645	1,206,676	1,308,622	1,146,200	1,114,242	(1,938,668)	(2,769,526)	(2,769,526)	(2,215,821)	(2,789,528)	1,725,909	1,809,416	1,822,671
Cumulative (\$)	(8,293,477)	(7,405,598)	(6,347,953)	(5,141,277)	(3,832,655)	(2,686,455)	(1,572,213)	(3,510,981)	(6,280,407)	(9,049,933)	(11,265,554)	(14,035,080)	(12,309,171)	(10,500,756)	(8,678,085)
2.67521506 Average Price (Next Season)							\$4.3435								
Total Cumulative (\$) - prior mo		2,263,975	4,710,135	7,824,011	10,948,476	14,553,809	17,711,658	21,120,154	17,367,231	10,581,254	2,720,049	(4,333,167)	(10,177,367)	(5,451,139)	(468,845)
Ledger >		\$9,828,829	\$11,272,228	\$13,173,476	\$15,310,007	\$17,777,466	\$17,501,550	\$21,020,018	\$16,765,988	\$11,968,711	\$2,697,334	(\$389,374)			
Difference >		7,364,854	8,562,093	5,549,465	4,361,531	3,223,657	(210,107)	(100,137)	(601,244)	1,377,458	(22,716)	3,943,793			

Source of Supply

Commodity Purchases	2,190,886	1,702,152	1,484,553	1,474,944	1,483,686	1,582,403	2,036,985	587,881	880,548	581,862	289,352	349,869	2,175,300	1,893,599	1,478,705
Hedged Purchases	-	-	-	-	-	-	-	237,600	400,200	454,500	327,600	55,900	-	-	-
Local Production Purchases	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000
Storage (W)	-	-	-	-	-	-	-	941,152	1,730,330	2,029,037	1,829,466	1,476,207	-	-	-
Storage (IN)	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,086,722)	-	-	-	-	-	(1,147,435)	(1,154,411)	(1,154,411)
Total Supply Requirements	1,073,432	577,741	380,142	370,533	379,275	477,992	1,000,263	1,796,434	2,821,079	3,075,399	2,488,438	1,901,378	1,057,865	569,188	374,294

Supply Cost

Demand	\$1,541,799	\$617,904	\$536,290	\$522,729	\$531,027	\$688,718	\$1,429,424	\$2,576,587	\$4,053,315	\$4,447,126	\$3,564,050	\$2,744,493	\$1,541,538	\$817,882	\$536,011
Local Production	\$66,330	\$61,890	\$122,450	\$139,700	\$151,500	\$132,700	\$152,150	\$104,730	\$37,160	\$33,740	\$64,920	\$68,940	\$119,860	\$125,610	\$211,000
Commodity - Market	\$4,948,847	\$3,572,765	\$3,717,504	\$4,218,036	\$4,804,015	\$4,296,958	\$6,348,253	\$2,102,930	\$2,593,100	\$2,011,924	\$962,320	\$1,236,084	\$8,916,488	\$7,275,490	\$8,402,641
Commodity - Hedged	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$795,201	\$1,459,864	\$1,753,527	\$1,269,332	\$255,067	\$0	\$0	\$0
Variable Pipeline Commodity	\$125,520	\$107,407	\$99,225	\$98,864	\$99,192	\$102,904	\$117,451	\$22,097	\$25,589	\$21,878	\$10,880	\$13,155	\$124,935	\$107,085	\$99,005
Storage	(\$2,614,731)	(\$2,446,161)	(\$2,913,876)	(\$3,324,465)	(\$3,805,322)	(\$3,157,849)	(\$3,408,466)	\$3,752,923	\$8,775,978	\$7,871,204	\$7,053,216	\$5,944,220	(\$4,726,248)	(\$4,982,294)	(\$5,021,566)
Total Supply Cost	\$4,067,565	\$2,113,584	\$1,561,594	\$1,654,854	\$1,780,403	\$2,043,430	\$4,838,782	\$9,354,467	\$14,945,025	\$16,139,400	\$12,924,718	\$10,161,979	\$5,976,593	\$3,343,773	\$2,227,089

Collection of Demand Charges

Ann. Demand Charges															
N/C Charge - Int															
N/C Charge - Firm															
Collection by Month	1,541,799	817,904	536,290	522,729	531,027	688,718	1,429,424	2,576,587	4,053,315	4,447,126	3,564,050	2,744,493	1,541,538	817,882	536,011

Commodity Gas Charge Firm

Commodity		2,647			3,198			3,887			3,982			4,579	
N/C	\$2,284.1	1,478.9	\$4,225.9	\$4,590.8	\$4,833.9	\$4,408.0	\$4,746.7	\$5,321.6	\$5,411.1	\$5,351.0	\$5,344.2	\$5,452.1	\$5,748.8	\$5,998.6	\$8,080.4
Total Gas Charge (F)	\$3,763.0	\$4,225.9	\$4,590.8	\$4,833.9	\$4,408.0	\$4,746.7	\$5,321.6	\$5,411.1	\$5,351.0	\$5,344.2	\$5,452.1	\$5,748.8	\$5,998.6	\$8,080.4	

Quarterly GCA Model

Commodity Firm	\$2.65	\$2.65	\$2.65	\$3.20	\$3.20	\$3.20	\$3.89	\$3.89	\$3.89	\$3.98	\$3.98	\$3.98	\$4.58	\$4.58
N/C Firm	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.50	\$1.50
CF Firm	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PBR Discount	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33
PBR Recovery	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
Gas Cost Comp-Firm	\$3.89	\$3.89	\$3.89	\$4.44	\$4.44	\$4.44	\$5.13	\$5.13	\$5.13	\$5.25	\$5.25	\$5.25	\$5.85	\$5.85
Commodity Int	\$2.65	\$2.65	\$2.65	\$3.20	\$3.20	\$3.20	\$3.89	\$3.89	\$3.89	\$3.98	\$3.98	\$3.98	\$4.58	\$4.58
N/C Int	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.50	\$1.50
CF Int	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PBR Discount	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33
PBR Recovery	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
Gas Cost Comp-Int	\$2.65	\$2.65	\$2.65	\$3.20	\$3.20	\$3.20	\$3.89	\$3.89	\$3.89	\$4.04	\$4.04	\$4.04	\$4.64	\$4.64

HEDGING

3% Pipeline Losses @								\$0.0998	\$0.1088	\$0.1151	\$0.1156	\$0.1378			
1 TO 5 TGT/MW/Trunk Var Transp								\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200			
Delivered Cost								\$3.35	\$3.65	\$3.86	\$3.87	\$4.61			
Gas Cost								\$795,201	\$1,459,864	\$1,753,527	\$1,269,332	\$255,087			
Difference >	7,364,854	6,562,093	5,549,465	4,361,531	3,223,657	(210,107)	(100,137)	(801,244)	1,377,458	(22,715)	3,943,793				
< Storage Beginning Balance															
Storage - Full Plan															
Tenn Gas (W)															
Texas Gas (W)															
Co Owned (W)															
Total (W)								1,133,918	2,084,735	2,444,623	2,204,200	1,778,583			
Tenn Gas (IN)													162,355	170,760	170,760
Texas Gas (IN)													504,837	504,837	504,837
Co Owned (IN)													715,259	715,259	715,259
Total (IN)	1,382,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,309,303					1,382,451	1,390,856	1,390,856
Storage - As Adjusted															
Tenn Gas (W)								119,926	218,048	285,034	217,782	140,443			
Texas Gas (W)								448,342	637,631	637,631	510,105	637,631			
Co Owned (W)								374,885	874,652	1,106,372	1,101,619	698,133			
Total (W)								941,152	1,730,330	2,029,037	1,829,486	1,476,207			
Tenn Gas (IN)	134,755	141,731	141,731	141,731	141,731	141,731	141,731	137,805							
Texas Gas (IN)	419,015	419,015	419,015	419,015	419,015	419,015	419,015	355,251							

Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
345,855	350,931	442,001	949,384	1,713,277	2,696,373	2,962,204	2,373,341	1,826,937	1,009,861	533,617	349,173	340,172	345,271	435,019	935,120	1,688,310	2,657,346
12,272	15,799	20,332	18,443	25,582	34,476	14,783	13,869	13,124	13,522	16,344	12,587	12,272	15,799	20,332	18,443	25,582	34,476
358,127	366,730	462,332	967,837	1,738,859	2,730,849	2,976,997	2,387,210	1,840,061	1,023,384	550,460	361,759	352,444	361,070	456,350	953,563	1,713,892	2,691,822
3,008	3,081	3,884	8,130	14,608	22,939	25,007	20,053	15,457	8,586	4,624	3,039	2,961	3,033	3,825	8,010	14,397	22,611
361,135	369,811	466,216	976,967	1,753,465	2,753,788	3,002,004	2,407,263	1,855,518	1,031,980	555,084	364,798	355,405	364,103	459,175	961,573	1,728,289	2,714,433
364,746	373,509	470,879	985,727	1,771,090	2,781,326	3,032,024	2,431,336	1,874,073	1,042,299	580,635	368,446	358,959	367,744	463,767	971,139	1,745,572	2,741,577
				119,926	218,048	285,034	217,752	140,443								119,926	218,048
				448,342	637,831	637,831	510,105	637,831								448,342	637,831
				374,885	874,652	1,106,372	1,101,619	696,133								374,885	874,652
				941,152	1,730,330	2,029,037	1,829,466	1,476,207								941,152	1,730,330
141,731	141,731	141,731	137,805						134,755	141,731	141,731	141,731	141,731	141,731	137,805		
419,015	419,015	419,015	355,251						419,015	419,015	419,015	419,015	419,015	419,015	355,251		
593,865	593,865	593,865	593,865						593,865	593,865	593,865	593,865	593,865	593,865	593,865		
1,154,411	1,154,411	1,154,411	1,088,722						1,147,435	1,154,411	1,154,411	1,154,411	1,154,411	1,154,411	1,088,722		
50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000
314,746	323,509	420,879	935,727	1,741,090	2,771,326	3,022,024	2,411,336	1,854,073	1,012,299	530,635	318,446	308,959	317,744	413,767	921,189	1,715,572	2,731,577
\$0.1312	\$0.1319	\$0.1316	\$0.1318	\$0.1341	\$0.1386	\$0.1410	\$0.1398	\$0.1370	\$0.1289	\$0.1287	\$0.1295	\$0.1304	\$0.1309	\$0.1308	\$0.1315	\$0.1335	\$0.1390
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
3,230,739	3,247,418	3,239,837	3,230,084	(2,093,002)	(4,622,014)	(5,885,515)	(5,580,857)	(3,547,099)	3,143,770	3,170,038	3,188,283	3,211,786	3,223,916	3,221,842	3,220,261	(2,145,071)	(4,737,001)
16,461,547	19,708,966	22,948,803	26,178,887	24,065,885	19,463,871	13,576,356	7,997,499	4,450,400	7,594,170	10,764,258	13,952,542	17,164,327	20,386,243	23,609,895	26,830,156	24,685,094	19,948,093
			\$4,2299												\$4,3351		
1,840,814	1,850,317	1,845,997	1,568,744	(1,944,110)	(2,777,299)	(2,777,299)	(2,221,840)	(2,777,299)	1,808,416	1,806,258	1,816,623	1,830,014	1,838,926	1,835,630	1,563,982	(1,936,232)	(2,766,045)
(6,837,271)	(4,986,954)	(3,140,957)	(1,572,213)	(3,516,323)	(6,293,622)	(9,070,921)	(11,292,761)	(14,070,060)	(12,261,645)	(10,455,339)	(8,638,766)	(6,808,751)	(4,971,826)	(3,136,196)	(1,572,213)	(3,509,445)	(6,274,480)
			\$4,3557												\$4,3380		
4,552,723	9,624,276	14,722,012	19,807,846	24,806,674	20,569,582	13,170,249	4,507,435	(3,295,262)	(9,619,660)	(4,667,474)	308,869	5,313,776	10,355,576	15,416,416	20,473,689	25,257,953	21,176,650

1,489,157	1,477,920	1,575,289	2,022,448	723,448	912,996	849,387	478,850	363,466	2,159,734	1,685,046	1,472,857	1,483,370	1,472,155	1,568,178	2,007,910	774,420	1,001,247
-	-	-	-	78,400	128,000	143,600	103,200	14,400	-	-	-	-	-	-	-	-	-
50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000
(1,154,411)	(1,154,411)	(1,154,411)	(1,088,722)	941,152	1,730,330	2,029,037	1,829,468	1,476,207	-	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,086,722)	941,152	1,730,330
364,746	373,509	470,679	985,727	1,771,000	2,781,326	3,032,024	2,431,338	1,874,073	1,042,299	560,635	368,446	358,959	367,744	463,767	971,189	1,745,572	2,741,577
\$522,330	\$530,976	\$968,896	\$1,429,385	\$2,577,177	\$4,054,294	\$4,447,239	\$3,563,753	\$2,744,003	\$1,541,294	\$817,311	\$535,274	\$521,478	\$530,289	\$688,266	\$1,428,981	\$2,577,957	\$4,055,429
\$213,100	\$214,200	\$213,700	\$214,200	\$130,650	\$45,000	\$45,800	\$90,820	\$89,000	\$125,810	\$125,480	\$210,300	\$211,850	\$212,650	\$212,500	\$213,550	\$130,050	\$45,150
\$6,424,911	\$6,496,753	\$8,906,537	\$8,890,431	\$3,233,139	\$4,216,723	\$3,992,994	\$2,230,902	\$1,856,952	\$9,277,950	\$7,230,063	\$5,356,062	\$6,381,896	\$6,424,362	\$8,338,550	\$8,799,614	\$3,444,970	\$4,639,800
\$0	\$0	\$0	\$0	\$296,180	\$522,609	\$802,439	\$431,036	\$58,194	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$98,646	\$98,976	\$102,637	\$118,905	\$27,202	\$34,329	\$31,937	\$17,967	\$13,666	\$124,350	\$106,764	\$98,785	\$98,429	\$98,759	\$102,369	\$116,358	\$29,118	\$37,647
(\$5,071,553)	(\$5,097,735)	(\$5,085,834)	(\$4,798,828)	\$4,037,111	\$7,399,314	\$9,662,814	\$7,802,697	\$8,324,398	(\$4,952,186)	(\$4,978,344)	(\$5,004,906)	(\$5,041,800)	(\$5,060,842)	(\$5,057,272)	(\$4,784,263)	\$4,081,303	\$7,503,048
\$2,187,433	\$2,243,169	\$2,807,938	\$5,852,073	\$10,301,459	\$18,272,286	\$17,783,223	\$14,137,206	\$10,890,213	\$6,117,017	\$3,303,254	\$2,195,515	\$2,151,843	\$2,205,218	\$2,764,403	\$5,774,240	\$10,263,098	\$16,281,072
					\$ 23,433,463												\$ 23,433,463
					0.2929												0.2972
					1.4999												1.5223
522,330	530,976	688,886	1,429,385	2,577,177	4,054,294	4,447,239	3,563,753	2,744,003	1,541,294	817,311	535,274	521,478	530,289	688,266	1,428,981	2,577,657	4,055,429
	4,645			4,469		4,437		4,568		4,516	4,584	4,619	4,538	4,603	4,569	4,532	4,541
\$4,0495	\$4,0688	\$4,6206	\$4,5897	\$4,4422	\$4,4741	\$4,4797	\$4,4292	\$4,4271	\$4,4712	\$4,5161	\$4,5894	\$4,6259	\$4,5388	\$4,6034	\$4,5689	\$4,4842	\$4,5418
1,4789	1,4789	1,4789	1,4789	1,4999	1,4999	1,4999	1,4999	1,4999	1,4999	1,4999	1,4999	1,4999	1,4999	1,4999	1,4999	1,4999	1,5223
\$6,1283	\$6,1477	\$8,1055	\$6,0486	\$5,9420	\$5,9739	\$5,9785	\$5,9291	\$5,9270	\$5,9710	\$6,0160	\$6,0892	\$6,1258	\$6,1387	\$6,1032	\$6,0567	\$6,0065	\$6,0640
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
\$6,1283	\$8,1477	\$6,1055	\$6,0486	\$5,9420	\$5,9739	\$5,9785	\$5,9291	\$5,9270	\$5,9710	\$6,0160	\$6,0892	\$6,1258	\$6,1387	\$6,1032	\$6,0567	\$6,0065	\$6,0640
\$4.58	\$4.65	\$4.85	\$4.85	\$4.47	\$4.47	\$4.47	\$4.44	\$4.44	\$4.44	\$4.57	\$4.57	\$4.57	\$4.62	\$4.62	\$4.62	\$4.53	\$4.53
\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$5.85	\$5.91	\$5.91	\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	\$5.82
\$4.58	\$4.65	\$4.85	\$4.85	\$4.47	\$4.47	\$4.47	\$4.44	\$4.44	\$4.44	\$4.57	\$4.57	\$4.57	\$4.62	\$4.62	\$4.62	\$4.53	\$4.53
\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$4.64	\$4.70	\$4.70	\$4.70	\$4.53	\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	\$4.60
				\$0.1157	\$0.1219	\$0.1253	\$0.1247	\$0.1227									
				\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200									
				\$3.88	\$4.08	\$4.20	\$4.18	\$4.11									
				\$296,180	\$522,609	\$602,439	\$431,036	\$59,194									
				144,489	262,708	343,415	282,364	189,209								144,489	262,708
				537,761	768,230	768,230	614,584	768,230								537,761	768,230
				451,688	1,053,797	1,332,978	1,327,252	841,124								451,688	1,053,797
				1,133,918	2,084,735	2,444,623	2,204,200	1,778,583								1,133,918	2,084,735
170,760	170,760	170,760	166,031						162,355	170,760	170,760	170,760	170,760	170,760	166,031		
504,837	504,837	504,837	428,013						504,837	504,837	504,837	504,837	504,837	504,837	428,013		
715,259	715,259	715,259	715,259						715,259	715,259	715,259	715,259	715,259	715,259	715,259		
1,390,856	1,390,856	1,390,856	1,309,303						1,382,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,309,303		

Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
2,919,615	2,338,873	1,800,128	994,579	525,219	343,432	334,460	339,610	428,035	920,848	1,663,341	2,818,319	2,877,023	2,304,403	1,773,318	979,295	516,822
14,793	13,869	13,124	13,522	16,844	12,587	12,272	15,799	20,332	18,443	25,592	34,476	14,793	13,869	13,124	13,522	16,844
2,934,408	2,352,742	1,813,252	1,008,102	542,062	356,018	346,732	355,409	448,366	939,291	1,688,923	2,852,795	2,891,816	2,318,272	1,786,442	992,818	533,665
24,649	19,783	15,231	8,468	4,553	2,991	2,913	2,985	3,766	7,890	14,187	22,283	24,291	19,473	15,006	8,340	4,463
2,959,057	2,372,505	1,828,483	1,016,570	546,615	359,009	349,675	358,394	452,132	947,181	1,703,110	2,875,078	2,916,107	2,337,745	1,801,448	1,001,158	538,148
2,988,847	2,396,230	1,846,768	1,026,735	552,081	362,600	353,171	361,978	458,854	956,853	1,720,141	2,701,829	2,945,268	2,361,123	1,819,462	1,011,169	543,530
285,034	217,762	140,443								119,928	218,048	285,034	217,762	140,443		
637,631	510,105	637,631								446,342	637,631	637,631	510,105	637,631		
1,106,372	1,101,819	698,133								374,885	674,652	1,106,372	1,101,619	698,133		
2,029,037	1,629,486	1,476,207								941,152	1,730,330	2,029,037	1,829,486	1,478,207		
			134,755	141,731	141,731	141,731	141,731	141,731	137,805						134,755	141,731
			419,015	419,015	419,015	419,015	419,015	419,015	355,251						419,015	419,015
			593,665	593,665	593,665	593,665	593,665	593,665	593,665						593,665	593,665
			1,147,435	1,154,411	1,154,411	1,154,411	1,154,411	1,154,411	1,086,722						1,147,435	1,154,411
10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000
2,978,847	2,376,230	1,828,768	996,735	522,081	312,600	303,171	311,978	406,654	908,853	1,690,141	2,691,829	2,935,268	2,341,123	1,799,462	981,169	513,530

\$0.1414	\$0.1408	\$0.1383	\$0.1282	\$0.1282	\$0.1288	\$0.1298	\$0.1303	\$0.1304	\$0.1313	\$0.1338	\$0.1390	\$0.1420	\$0.1414	\$0.1389	\$0.1299	\$0.1292
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
(6,031,935)	(5,719,698)	(3,635,343)	3,128,000	3,157,958	3,173,121	(3,195,865)	3,208,753	3,210,269	3,216,511	(2,146,785)	(4,740,784)	(6,036,752)	(5,724,266)	(3,638,247)	3,143,770	3,180,702
13,916,159	8,196,461	4,561,117	7,689,116	10,847,075	14,020,196	17,216,061	20,424,814	23,635,083	26,851,594	24,704,809	19,964,025	13,927,273	8,203,007	4,564,760	7,708,530	10,889,232
									\$4,3386							
(2,766,045)	(2,212,938)	(2,766,045)	1,799,344	1,799,344	1,807,984	1,620,943	1,829,266	1,829,150	1,562,151	(1,952,849)	(2,789,785)	(2,789,785)	(2,231,828)	(2,789,785)	1,808,416	1,612,303
(9,040,535)	(11,253,371)	(14,019,416)	(12,220,072)	(10,420,728)	(8,612,744)	(6,791,801)	(4,983,516)	(3,134,364)	(1,572,213)	(3,525,082)	(6,314,847)	(9,104,632)	(11,336,460)	(14,126,245)	(12,317,829)	(10,505,626)
									\$4,3752							
13,673,604	4,875,624	(3,056,910)	(9,458,299)	(4,530,954)	426,346	5,407,462	10,424,259	15,461,299	20,500,719	25,279,381	21,179,747	13,649,178	4,822,641	(3,133,453)	(9,581,485)	(4,809,299)

949,611	546,744	350,560	2,144,170	1,676,492	1,467,010	1,457,582	1,466,389	1,561,065	1,993,374	748,989	961,499	906,231	511,637	323,255	2,128,604	1,667,941
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000
2,029,037	1,829,486	1,476,207	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,086,722)	941,162	1,730,330	2,029,037	1,829,486	1,476,207	(1,147,435)	(1,154,411)
2,968,647	2,396,230	1,846,768	1,026,735	552,061	362,600	353,171	381,978	456,654	956,653	1,720,141	2,701,829	2,945,268	2,361,123	1,819,462	1,011,169	543,530
\$4,448,820	\$3,554,503	\$2,744,170	\$1,541,044	\$816,724	\$534,517	\$520,603	\$629,580	\$667,503	\$1,428,589	\$2,578,149	\$4,056,600	\$4,450,447	\$3,565,275	\$2,744,342	\$1,540,784	\$816,119
\$45,930	\$91,420	\$99,820	\$124,990	\$124,990	\$209,300	\$210,900	\$211,650	\$211,750	\$213,300	\$130,200	\$45,150	\$46,100	\$91,840	\$90,240	\$125,810	\$125,880
\$4,476,875	\$2,565,188	\$1,815,830	\$9,164,668	\$7,165,708	\$6,300,583	\$8,305,170	\$8,368,864	\$6,783,389	\$8,725,636	\$3,335,703	\$4,455,605	\$4,288,248	\$2,411,549	\$1,498,971	\$9,144,218	\$7,180,742
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$35,705	\$20,568	\$13,181	\$123,764	\$106,442	\$98,565	\$98,211	\$96,542	\$102,102	\$115,812	\$28,162	\$36,152	\$34,074	\$19,236	\$12,154	\$123,179	\$106,120
\$8,797,980	\$7,932,534	\$6,401,369	(\$4,927,344)	(\$4,957,302)	(\$4,981,104)	(\$5,016,808)	(\$5,037,040)	(\$5,038,420)	(\$4,778,662)	\$4,099,834	\$7,530,569	\$8,826,537	\$7,956,094	\$8,428,022	(\$4,952,186)	(\$4,993,005)
\$17,805,311	\$14,174,203	\$10,884,390	\$6,027,112	\$3,256,552	\$2,161,881	\$2,117,978	\$2,171,697	\$2,725,414	\$5,704,675	\$10,171,846	\$16,124,076	\$17,645,406	\$14,043,995	\$10,771,739	\$5,961,605	\$3,235,857
											\$ 23,433,463					
											0,3017					
											1,5453					
4,448,820	3,564,503	2,744,170	1,541,044	816,724	534,517	520,603	529,580	667,593	1,428,589	2,578,149	4,056,600	4,450,447	3,565,275	2,744,342	1,540,784	816,119
	4,487			4,550			4,603			4,542			4,502			4,588
\$4,5517	\$4,5095	\$4,4783	\$4,4500	\$4,5010	\$4,5710	\$4,6065	\$4,6204	\$4,5895	\$4,5525	\$4,4952	\$4,5490	\$4,5629	\$4,5201	\$4,4935	\$4,4729	\$4,5342
1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5453	1.5453	1.5453	1.5453	1.5453	1.5453	1.5453
\$6.0739	\$6.0318	\$6.0005	\$5.9723	\$6.0233	\$6.0932	\$6.1288	\$6.1426	\$6.1119	\$6.0747	\$6.0415	\$6.0943	\$6.1082	\$6.0654	\$6.0389	\$6.0183	\$6.0795
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
\$6.0739	\$6.0318	\$6.0005	\$5.9723	\$6.0233	\$6.0932	\$6.1288	\$6.1426	\$6.1119	\$6.0747	\$6.0415	\$6.0943	\$6.1082	\$6.0654	\$6.0389	\$6.0183	\$6.0795
\$4.53	\$4.49	\$4.49	\$4.49	\$4.55	\$4.55	\$4.55	\$4.60	\$4.60	\$4.60	\$4.54	\$4.54	\$4.54	\$4.50	\$4.50	\$4.50	\$4.59
\$1.52	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.57	\$1.57	\$1.57	\$1.57
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$5.82	\$5.80	\$5.80	\$5.80	\$5.86	\$5.86	\$5.86	\$5.92	\$5.92	\$5.92	\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.92
\$4.53	\$4.49	\$4.49	\$4.49	\$4.55	\$4.55	\$4.55	\$4.60	\$4.60	\$4.60	\$4.54	\$4.54	\$4.54	\$4.50	\$4.50	\$4.50	\$4.59
\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.31	\$0.31	\$0.31	\$0.31
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$4.60	\$4.56	\$4.56	\$4.56	\$4.62	\$4.62	\$4.62	\$4.67	\$4.67	\$4.67	\$4.61	\$4.61	\$4.61	\$4.57	\$4.57	\$4.57	\$4.66

Becky Buchanan for Gas Supply Data

343,415	262,364	169,209								144,489	262,706	343,415	262,364	169,209		
768,230	614,584	768,230								537,761	768,230	768,230	614,584	768,230		
1,332,978	1,327,252	841,124								451,688	1,053,797	1,332,978	1,327,252	841,124		
2,444,623	2,204,209	1,778,563								1,133,918	2,084,735	2,444,623	2,204,209	1,778,563		
			162,355	170,760	170,760	170,760	170,760	170,760	166,031					162,355	170,760	
			504,837	504,837	504,837	504,837	504,837	504,837	428,018					504,837	504,837	
			715,259	715,259	715,259	715,259	715,259	715,259	715,259					715,259	715,259	
			1,382,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,309,303					1,382,451	1,390,856	

Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Dec-16	Jan-17	Feb-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
337,691	328,608	333,948	421,052	906,574	1,638,370	2,579,288	2,334,436	2,269,937	1,746,509	954,013	508,424	331,950	323,125	328,288	414,070	892,301
12,587	12,272	15,799	20,332	18,443	25,582	34,476	14,793	13,869	13,124	13,522	16,844	12,587	12,272	15,799	20,332	18,443
350,277	341,080	349,747	441,383	925,017	1,663,952	2,613,764	2,849,229	2,283,806	1,759,633	977,536	525,267	344,536	335,397	344,087	434,401	910,744
2,942	2,965	2,938	3,708	7,770	13,977	21,956	23,934	19,184	14,781	8,211	4,412	2,894	2,817	2,890	3,649	7,650
353,219	343,945	352,685	445,091	932,787	1,677,929	2,635,720	2,873,163	2,302,990	1,774,414	985,747	529,679	347,430	338,214	346,977	438,050	918,394
356,752	347,384	356,212	449,542	942,115	1,694,708	2,662,077	2,901,894	2,326,020	1,792,158	995,604	534,976	350,905	341,586	350,447	442,431	927,578

119,926	218,048	285,034	217,762	140,443
448,342	637,631	637,631	510,105	637,631
374,885	874,652	1,106,372	1,101,619	868,133
941,152	1,730,330	2,029,037	1,829,486	1,476,207

141,731	141,731	141,731	141,731	137,805						134,755	141,731	141,731	141,731	141,731	141,731	137,805
419,015	419,015	419,015	419,015	355,251						419,015	419,015	419,015	419,015	419,015	419,015	355,251
593,665	593,665	593,665	593,665	593,665						593,665	593,665	593,665	593,665	593,665	593,665	593,665
1,154,411	1,154,411	1,154,411	1,154,411	1,086,722						1,147,435	1,154,411	1,154,411	1,154,411	1,154,411	1,154,411	1,086,722

50,000	50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000
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306,752	297,384	306,212	399,542	892,115	1,664,708	2,652,077	2,891,894	2,306,020	1,772,158	965,604	504,976	300,905	291,595	300,447	392,431	877,578
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\$0.1299	\$0.1310	\$0.1316	\$0.1317	\$0.1327	\$0.1355	\$0.1413	\$0.1444	\$0.1439	\$0.1414	\$0.1314	\$0.1317	\$0.1324	\$0.1336	\$0.1341	\$0.1342	\$0.1352
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200

3,198,897	3,226,190	3,240,595	3,242,869	3,249,691	(2,162,445)	(4,775,368)	(6,080,790)	(5,766,024)	(3,664,738)	3,203,846	3,242,869	3,261,065	3,289,116	3,302,783	3,305,037	3,311,526
14,088,129	17,314,320	20,554,915	23,797,784	27,047,475	24,885,030	20,109,662	14,028,872	8,282,848	4,598,060	7,801,906	11,044,775	14,305,840	17,594,956	20,897,719	24,202,756	27,514,282
				\$4,3702												\$4,4457

1,822,671	1,838,222	1,846,429	1,847,725	1,578,266	(1,990,514)	(2,843,592)	(2,843,592)	(2,274,873)	(2,843,592)	1,842,974	1,847,725	1,858,093	1,874,076	1,881,851	1,883,147	1,608,297
(8,582,655)	(6,844,633)	(4,998,204)	(3,150,479)	(1,572,213)	(3,562,727)	(6,406,319)	(9,249,911)	(11,524,784)	(14,368,376)	(12,525,402)	(10,677,677)	(8,819,584)	(6,945,509)	(5,063,657)	(3,180,510)	(1,572,213)
				\$4,4566												\$4,6108

383,708	5,405,274	10,488,686	15,556,711	20,647,305	25,475,262	21,322,302	13,703,343	4,778,961	(3,261,937)	(9,770,316)	(4,723,496)	367,098	5,486,256	10,649,447	15,834,061	21,022,245
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Nov-17	Dec-17	Jan-18	Mar-18	Apr-18	May-18	Jun-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
1,613,401	2,540,262	2,791,842	2,235,466	1,719,697	948,728	500,026	326,210	317,443	322,526	407,086	878,026	1,568,429	2,501,229
25,582	34,476	14,793	13,969	13,124	13,522	16,844	12,587	12,272	15,799	20,332	18,443	25,582	34,476
1,638,983	2,574,738	2,806,635	2,249,335	1,732,821	962,251	516,869	338,796	335,397	344,087	434,401	910,744	1,638,983	2,574,738
13,787	21,628	23,576	18,894	14,556	8,083	4,342	2,846	2,817	2,890	3,649	7,650	13,787	21,628
1,652,750	2,596,365	2,830,211	2,268,229	1,747,377	970,334	521,211	341,642	338,214	346,877	438,050	918,394	1,652,750	2,596,365
1,669,278	2,622,330	2,858,513	2,290,911	1,764,851	980,037	526,423	345,059	341,596	350,447	442,431	927,578	1,669,278	2,622,330
119,926	218,048	285,034	217,762	140,443								119,926	218,048
446,342	637,631	637,631	510,105	637,631								446,342	637,631
374,885	674,652	1,106,372	1,101,610	698,133								374,885	674,652
941,152	1,730,330	2,029,037	1,829,488	1,476,207								941,152	1,730,330
					134,755	141,731	141,731	141,731	141,731	141,731	137,805		
					419,015	419,015	419,015	419,015	419,015	419,015	355,251		
					593,665	593,665	593,665	593,665	593,665	593,665	593,665		
					1,147,435	1,154,411	1,154,411	1,154,411	1,154,411	1,154,411	1,086,722		
30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000
1,639,278	2,612,330	2,848,513	2,270,911	1,744,851	950,037	496,423	295,059	291,596	300,447	392,431	877,578	1,639,278	2,612,330

\$0.1365	\$0.1446	\$0.1480	\$0.1474	\$0.1450	\$0.1357	\$0.1382	\$0.1389	\$0.1382	\$0.1387	\$0.1388	\$0.1399	\$0.1435	\$0.1503
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
(2,199,767)	(4,857,785)	(6,185,737)	(5,865,539)	(3,728,037)	3,309,730	3,352,800	3,371,753	3,401,321	3,414,987	3,417,242	3,425,394	(2,268,231)	(5,008,977)
25,314,515	20,456,730	14,270,993	8,405,454	4,677,417	7,927,147	11,339,946	14,711,700	18,113,020	21,527,988	24,945,229	28,370,624	26,102,393	21,093,418
											\$4,5840		
(2,057,980)	(2,939,972)	(2,939,972)	(2,351,978)	(2,939,972)	1,903,882	1,910,361	1,921,161	1,938,008	1,945,783	1,947,079	1,863,599	(2,057,980)	(2,939,972)
(3,630,193)	(6,570,165)	(9,510,137)	(11,862,115)	(14,802,087)	(12,898,205)	(10,987,844)	(9,068,683)	(7,128,675)	(5,182,891)	(3,235,812)	(1,572,213)	(3,630,193)	(9,570,165)
											\$4,6108		
25,942,069	21,684,322	13,886,565	4,760,656	(3,466,661)	(10,124,670)	(4,911,058)	352,103	5,645,017	10,084,346	16,345,066	21,709,417	28,798,411	22,472,199

698,125	882,000	819,476	441,425	268,843	2,097,471	1,650,834	1,449,470	1,446,007	1,454,858	1,548,842	1,964,299	698,125	882,000
-	-	-	-	-	-	-	-	-	-	-	-	-	-
30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000
941,152	1,730,330	2,029,037	1,829,486	1,478,207	-	-	-	-	-	-	-	941,152	1,730,330
-	-	-	-	-	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,086,722)	-	-
1,668,278	2,822,330	2,858,513	2,290,911	1,764,951	930,037	528,423	345,059	341,595	350,447	442,431	927,578	1,668,278	2,822,330
\$2,579,178	\$4,059,047	\$4,453,980	\$3,566,896	\$2,744,701	\$1,540,519	\$815,495	\$532,931	\$518,769	\$528,094	\$686,211	\$1,427,764	\$2,579,176	\$4,059,047
\$124,970	\$48,980	\$48,040	\$95,740	\$94,160	\$132,240	\$132,690	\$224,400	\$224,350	\$225,250	\$225,400	\$227,150	\$139,830	\$48,800
\$3,223,612	\$4,251,783	\$4,041,622	\$2,169,355	\$1,298,350	\$9,488,355	\$7,493,426	\$6,816,754	\$6,659,084	\$6,726,941	\$7,156,934	\$9,159,305	\$3,340,206	\$4,419,090
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$26,250	\$32,163	\$30,812	\$16,598	\$10,101	\$122,008	\$105,477	\$97,906	\$97,776	\$98,108	\$101,567	\$114,718	\$26,250	\$33,163
\$4,257,747	\$7,797,757	\$9,125,709	\$8,217,516	\$6,668,009	(\$5,213,812)	(\$5,263,161)	(\$5,292,914)	(\$5,339,329)	(\$5,360,751)	(\$5,354,321)	(\$5,098,994)	\$4,325,211	\$7,948,949
\$10,221,754	\$16,188,711	\$17,700,043	\$14,066,105	\$10,815,322	\$8,069,511	\$3,283,927	\$2,177,077	\$2,160,650	\$2,217,543	\$2,785,791	\$5,839,944	\$10,411,673	\$16,509,050

\$ 23,433,483
0.3110
1.5937



2,579,176	4,059,047	4,453,980	3,566,896	2,744,701	1,516,160	802,111	523,763	509,714	519,071	655,081	1,405,015	2,539,379	3,996,842
4,703		4,672				4,855		4,974		4,988			
\$4,8630	\$4,7110	\$4,7196	\$4,6677	\$4,6575	\$4,7087	\$4,7757	\$4,8529	\$4,9797	\$4,9921	\$4,9590	\$4,9217	\$4,8528	\$4,9099
1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937
\$8,2587	\$8,3047	\$8,3133	\$8,2614	\$8,2512	\$8,3003	\$8,3694	\$8,4466	\$8,5734	\$8,5858	\$8,5527	\$8,5154	\$8,4465	\$8,5035
0	0	0	0	0	0	0	0	0	0	0	0	0	0
\$8,2587	\$8,3047	\$8,3133	\$8,2614	\$8,2512	\$8,3003	\$8,3694	\$8,4466	\$8,5734	\$8,5958	\$8,5527	\$8,5154	\$8,4465	\$8,5035
\$4.70	\$4.70	\$4.70	\$4.67	\$4.67	\$4.67	\$4.85	\$4.85	\$4.85	\$4.97	\$4.97	\$4.97	\$4.89	\$4.89
\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$6.06	\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$6.21	\$6.21	\$6.21	\$6.33	\$6.33	\$6.33	\$6.25	\$6.25
\$4.70	\$4.70	\$4.70	\$4.67	\$4.67	\$4.67	\$4.85	\$4.85	\$4.85	\$4.97	\$4.97	\$4.97	\$4.89	\$4.89
\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$4.78	\$4.78	\$4.78	\$4.75	\$4.75	\$4.75	\$4.93	\$4.93	\$4.93	\$5.05	\$5.05	\$5.05	\$4.97	\$4.97

144,489	262,708	343,415	262,364	169,209	-	-	-	-	-	-	-	144,489	262,708
537,761	768,230	768,230	814,584	768,230	-	-	-	-	-	-	-	537,761	768,230
451,668	1,053,797	1,332,978	1,327,252	841,124	-	-	-	-	-	-	-	451,668	1,053,797
1,133,918	2,084,735	2,444,623	2,204,200	1,778,563	-	-	-	-	-	-	-	1,133,918	2,084,735
-	-	-	-	-	162,355	170,760	170,760	170,760	170,760	170,760	186,031	-	-
-	-	-	-	-	504,837	504,837	504,837	504,837	504,837	504,837	428,013	-	-
-	-	-	-	-	715,259	715,259	715,259	715,259	715,259	715,259	715,259	-	-
-	-	-	-	-	1,382,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,309,303	-	-

Test Year	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
Residential													
Customers	156,152	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	1,846,837
Mcf	1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	9,637,652
Commercial & Public Authority													
Customers	19,301	19,341	19,329	19,394	18,998	19,008	18,675	18,493	18,411	18,334	18,578	18,804	226,666
Mcf	730,723	905,845	886,709	664,440	479,357	286,783	193,465	174,507	173,703	175,195	262,651	446,759	5,380,137
Firm Industrial													
Customers	193	208	204	205	198	203	202	191	186	196	213	197	2,396
Mcf	56,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	471,075
Interruptible & Transportation													
Customers	219	214	214	214	215	218	215	214	218	217	219	217	2,594
Mcf	2,305,565	2,721,075	2,457,602	2,227,603	2,141,080	2,152,113	2,039,562	1,959,973	2,141,782	2,045,998	2,306,544	2,327,196	26,826,095

	Residential	Commercial & Public Authority	Firm Industrial	Interruptible & Transportation	Total
Base Load per Customer (Jul & Aug)	1.02	9.44	73.53	9.495	
Total Base Load per year	1,878,980	2,138,721	176,171	24,629,518	
Average Daily Base Load per Customer	0.03345	0.31021	2.41733	312.15790	
Heating Load Per Year	7,758,672	3,241,416	294,904	2,196,576	
Annual HDDs	4,160	4,160	4,160	4,160	
Heating Load per Customer per HDD	0.01212	0.04125	0.35504	2.44267	
Peak Design Day HDD		60	60	60	
Peak Day per Average Customer	0.76056	2.78528	23.71993	458.71791	
Total Class Peak Day, Mcf	117,052	52,611	4,736	99,160	273,558

WESTERN KENTUCKY GAS COMPANY
BILL FREQUENCY ANALYSIS
TWELVE MONTHS ENDED NOVEMBER 30, 2014

Line No.	Class of Customers	Number Of		Rate	Total Revenue	Annual G/C & Total Revenue	Winter Volumes (Nov- Mar)
		Bills (a)	Mof (b)				
1	RESIDENTIAL (Rate G-1)						
2	FIRM BILLS	1,846,837		\$14.28	\$26,372,832	\$55,514,753	
3	Sales: 1-300		9,537,652	1.1000	10,501,417		7,308,713
4	Sales: 301-1500		0	0.7700	0		-
5	Sales: Over 1500			0.5000	0		-
6	CLASS TOTAL	1,846,837	9,537,652		36,974,250	\$92,489,003 Equal Residential (4800)	7,308,713
7							
8	FIRM COMMERCIAL /						
9	PUBLIC AUTHORITY (Rate G-1)						
10	FIRM BILLS	226,666		35.70	\$8,091,976	\$31,060,527	
11	Sales: 1-300		4,691,716	1.1000	5,160,888		2,624,488
12	Sales: 301-15000		688,421	0.7700	530,084		255,423
13	Sales: Over 1500		0	0.5000	0		-
14	CLASS TOTAL	226,666	5,380,137		13,782,948	\$44,843,475 Firm Com & PA (Excl Int Com)	2,879,911
15							
16	FIRM INDUSTRIAL (Rates G-1)						
17	FIRM BILLS	2,396		35.70	\$85,537	\$2,716,229	
18	Firm Sales: 1-300		235,050	1.1000	258,555		158,018
19	Firm Sales: 301-15000		232,688	0.7700	179,170		188,873
20	Firm Sales: Over 1500		3,337	0.5000	1,669		3,337
21	Firm Transport: 1-300			1.1000	-		-
22	Firm Transport: 301-15000			0.7700	-		-
23	Firm Transport: Over 1500			0.5000	-		-
24	CLASS TOTAL	2,396	471,075		\$524,930	\$3,243,159 Firm Ind Only (Excl Int Ind)	350,228
25							
26	INTERRUPTIBLE & TRANSPORT						
27	(Rates G-2, T-4 & T-3)						
28	Bills - G-2	129		344.07	\$44,365	\$971,734	
25	Bills - T-4	1,458		328.33	478,705		
26	Bills - T-3	791		329.24	260,429		
27	Bills - Sp K	216		300.00	64,800		
28							
29	Trans Admin Fee				121,675		
30	EFM Fee				105,800		
31	Parking Fee				23,700		
32	Interrupt Sales: 1-15000		203,770	0.6670	139,990		93,971
33	Interrupt Sales: Over 15000		7,874	0.4670	3,677		7,873
34	T-4 Firm Carriage: 1-300		419,682	1.1930	500,681		179,750
35	T-4 Firm Carriage: 301-15000		4,937,952	0.8351	4,123,692		2,398,161
36	T-4 Firm Carriage: Over 1500		702,807	0.5423	381,132		385,801
37	T-3 Interr Carriage: 1-15000		4,849,465	0.6822	3,308,318		2,139,157
38	T-3 Interr Carriage: Over 15000		2,237,100	0.4440	993,273		1,067,960
39	Special Contracts	13,467,418			1,372,958		5,765,328
40	CLASS TOTAL	2,594	26,826,097		\$11,923,225	\$12,894,959 Gas costs for Int Ind & Com Sales	11,937,197
41							
42	Service Charges				\$778,251		
43	Late Payment Fees				\$1,126,126		
44							
45	TOTAL REVENUES	2,078,493	42,314,961		\$65,109,730		22,476,049
46							
47					65109730.26	\$90,265,243 total Gas cost	
					0	\$155,374,973 Total Rev	

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY DATA
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	156,152	1,846,837		\$14.28	\$26,372,832
3	Sales: 1-300	1,766,342	1,653,701	1,186,992	390,860	317,706	187,567	153,499	173,896	146,388	306,999	857,775	1,215,197		8,356,911	1.1000	9,192,602
4	Sales: 301-15000	4,083	3,409	1,123	203	75	74	37	42	40	136	1,035	2,372		12,627	0.7700	9,723
5	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
6	CLASS TOTAL (Mcf/month)	1,770,425	1,657,110	1,188,115	391,062	317,781	187,631	153,536	173,937	146,428	307,135	858,810	1,217,569	1,846,837	8,369,538		\$35,575,157
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS	17,781	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258	17,705	207,762		35.70	\$7,417,103
10	Sales: 1-300	647,310	615,374	451,310	169,802	161,273	137,693	109,814	123,007	84,752	174,934	320,125	452,479		3,467,863	1.1000	3,814,650
11	Sales: 301-15000	70,356	65,986	39,582	12,592	9,855	12,963	22,330	41,684	67,956	39,657	27,984	39,226		450,172	0.7700	346,632
12	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
13	CLASS TOTAL (Mcf/month)	717,666	681,360	490,892	202,394	171,128	150,646	132,144	164,691	152,707	214,591	348,109	491,705	207,762	3,918,035		\$11,578,386
14																	
15	<u>FIRM INDUSTRIAL (Rate G-1)</u>																
16	FIRM BILLS	208	204	204	197	202	201	189	184	194	211	196	192	2,382		\$35.70	\$86,037
17	Sales: 1-300	41,246	32,984	31,547	16,559	13,095	9,891	6,944	10,151	8,091	11,306	22,470	29,214		233,509	1.1000	256,860
18	Sales: 301-15000	74,671	49,940	24,545	8,612	5,137	4,950	3,725	6,512	7,958	7,930	19,249	26,812		240,041	0.7700	184,831
19	Sales: Over 15000	3,337	0	0	0	0	0	0	0	0	0	0	0		3,337	0.5000	1,669
20	CLASS TOTAL (Mcf/month)	119,254	82,924	56,092	25,181	18,233	14,841	10,670	16,663	16,049	19,236	41,718	56,026	2,382	476,887		\$528,397
21																	
22	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
23	FIRM BILLS	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	1,596	18,904		\$35.70	\$674,873
24	Sales: 1-300	132,729	129,140	98,951	47,244	38,138	26,129	23,944	24,738	27,426	41,133	77,691	104,054		771,318	1.1000	848,450
25	Sales: 301-15000	45,940	39,493	22,872	7,222	6,391	3,541	1,417	5,233	3,212	12,880	17,723	30,384		196,309	0.7700	151,158
26	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
27	CLASS TOTAL (Mcf/month)	178,668	168,633	121,824	54,466	44,528	29,670	25,361	29,972	30,638	54,013	95,415	134,439	18,904	967,627		\$1,674,480
28																	
29	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>																
30	INT BILLS	3	3	3	3	4	2	2	2	3	4	4	4	37		344.07	\$12,731
31	Sales: 1-15000	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838		21,815	0.6870	14,987
32	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.4670	0
33	CLASS TOTAL (Mcf/month)	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838	37	21,815		\$27,718
34																	
35	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>																
36	INT BILLS	9	9	8	9	9	8	6	10	7	9	8	9	101		344.07	\$34,751
37	Sales: 1-15000	12,876	11,922	12,035	13,335	16,790	27,539	27,230	30,769	32,104	31,778	34,650	21,764		272,991	0.6870	187,545
38	Sales: Over 15000	0	0	0	0	0	14,373	49,146	52,245	54,086	54,136	15,434	7,873		247,293	0.4670	115,486
39	CLASS TOTAL (Mcf/month)	12,876	11,922	12,035	13,335	16,790	41,912	76,376	83,014	86,190	85,914	50,284	29,637	101	520,284		\$337,782
40																	
41	<u>TRANSPORTATION (T-4)</u>																
42	TRANSPORTATION BILLS	119	119	121	121	121	121	123	123	124	124	123	124	1,463		328.33	\$480,347
43	Trans Admin Fee	\$5,900	\$5,900	\$5,950	\$5,950	\$5,950	\$5,950	\$6,050	\$6,050	\$6,100	\$6,100	\$6,050	\$6,050				72,000
44	EFM Fee	\$5,325	\$5,325	\$5,325	\$5,325	\$5,325	\$5,325	\$5,475	\$5,475	\$5,475	\$5,475	\$5,475	\$5,175				64,500
45	Parking Fee	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$88	\$224				1,791
46	Firm Transport: 1-300	35,514	35,517	35,137	34,807	33,813	33,690	33,132	33,565	34,165	36,245	36,586	36,653		418,814	1.1930	499,645
47	Firm Transport: 301-15000	518,266	479,662	400,100	365,325	348,918	327,880	308,835	336,457	330,171	418,414	469,786	476,937		4,780,751	0.8351	3,992,405
48	Firm Transport: Over 1500	56,879	43,659	35,513	25,909	25,835	25,735	18,750	32,393	31,579	41,703	51,597	80,563		470,216	0.5423	254,998
49	CLASS TOTAL (Mcf/month)	610,659	558,838	470,750	426,041	408,657	387,305	360,717	402,415	395,905	496,362	657,969	594,153	1,463	5,669,781		\$5,365,686

ATMOS ENERGY CORPORATION - KENTUCKY
 BILL FREQUENCY DATA
 TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
46	<u>TRANSPORTATION (T-3)</u>																
47	TRANSPORTATION BILLS	64	64	64	64	66	66	66	66	66	66	65	65	782		329.24	\$257,466
48	Trans Admin Fee	\$3,200	\$3,200	\$3,200	\$3,200	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,250				39,100
49	EFM Fee	\$2,550	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$2,550				31,275
50	Parking Fee	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$258				4,558
51	Interrupt Transport: 1-15000	444,777	421,495	389,189	369,518	394,954	378,227	362,369	381,407	376,699	439,233	452,458	424,698		4,835,024	0.6822	3,298,453
52	Interrupt Transport: Over 15000	277,361	244,305	194,625	166,441	189,966	158,090	139,951	163,234	146,445	202,415	182,689	165,000		2,230,522	0.4440	990,352
53	CLASS TOTAL (Mcf/month)	722,138	665,800	563,814	535,959	584,920	536,317	502,320	544,641	523,144	641,648	635,147	589,698	782	7,065,546		\$4,621,203
54																	
55	Pooling Fees	\$8,587	\$14,095	\$9,426	\$8,549	\$5,503	\$10,043	\$5,948	\$5,529	\$3,497	\$1,022	\$4,258	\$7,393				\$83,849
56																	
57	<u>SPECIAL CONTRACTS</u>																
58	TRANSPORTATION BILLS	18	18	18	18	18	18	18	18	18	18	18	18	216		300.00	\$64,800
59	Trans Admin Fee	\$875	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$850				10,375
60	EFM Fee	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$825				9,725
61	Parking Fee	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$585	\$919	\$847				17,352
62	Transported Volumes	1,303,342	1,154,553	1,101,545	1,112,399	1,164,351	1,076,180	1,039,956	1,134,314	1,060,003	1,098,888	1,063,713	1,068,175		13,377,418	Various	
63	Charges for Transport Volumes	\$130,888	\$119,468	\$113,421	\$114,370	\$117,340	\$112,814	\$106,204	\$113,661	\$105,245	\$112,171	\$107,729	\$111,556				1,364,868
64	CLASS TOTAL (Mcf/month)	1,303,342	1,154,553	1,101,545	1,112,399	1,164,351	1,076,180	1,039,956	1,134,314	1,060,003	1,098,888	1,063,713	1,068,175	216	13,377,418		\$1,467,120

ATMOS ENERGY CORPORATION - KENTUCKY
 VOLUME AND CONTRACT ADJUSTMENTS
 TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS													0		\$14.28	\$0
3	Sales: 1-300	4,083	3,409	1,123	203	75	74	37	42	40	136	1,035	2,372		12,627	1.1000	13,890
4	Sales: 301-15000	(4,083)	(3,409)	(1,123)	(203)	(75)	(74)	(37)	(42)	(40)	(136)	(1,035)	(2,372)		(12,627)	0.7700	(9,723)
5	Sales: Over 15000						0								0	0.5000	0
6	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$4,167
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS															35.70	\$0
10	Sales: 1-300															1.1000	0
11	Sales: 301-15000															0.7700	0
12	Sales: Over 15000															0.5000	0
13	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
14																	
15	<u>FIRM INDUSTRIAL (Rate G-1)</u>																
16	FIRM BILLS	0	0	1	1	1	1	2	2	2	2	1	1	14		35.70	\$500
17	Sales: 1-300	0	(47)	102	26	(4)	(5)	0	300	300	367	202	300		1,541	1.1000	1,695
18	Sales: 301-15000	(3,143)	(2,495)	(932)	(693)	(322)	(168)	0	87	86	0	0	227		(7,353)	0.7700	(5,662)
19	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
20	CLASS TOTAL (Mcf/month)	(3,143)	(2,542)	(830)	(667)	(326)	(173)	0	387	386	367	202	527	14	(5,812)		(\$3,467)
21																	
22	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
23	FIRM BILLS													0		35.70	\$0
24	Sales: 1-300														0	1.1000	0
25	Sales: 301-15000														0	0.7700	0
26	Sales: Over 15000														0	0.5000	0
27	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
28																	
25	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>																
26	INT BILLS													0		344.07	\$0
27	Sales: 1-15000														0	0.6870	0
28	Sales: Over 15000														0	0.4670	0
29	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
30																	
31	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>																
32	INT BILLS	(2)	(2)	(2)	(2)	(1)	0	0	0	0	0	0	0	(9)		344.07	(\$3,097)
33	Sales: 1-15000	0	0	(540)	(493)	(5)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	0		(91,038)	0.6870	(62,543)
34	Sales: Over 15000	0	0	0	0	0	(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)	0		(239,420)	0.4670	(111,809)
35	CLASS TOTAL (Mcf/month)	0	0	(540)	(493)	(5)	(29,373)	(64,146)	(67,245)	(69,086)	(69,136)	(30,434)	0	(9)	(330,458)		(\$177,449)
36																	

ATMOS ENERGY CORPORATION - KENTUCKY
VOLUME AND CONTRACT ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Number Of Bills	Mcf	Rate	Total Revenue
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
37	TRANSPORTATION (T-4)																
38	TRANSPORTATION BILLS	1	1	0	0	0	0	(1)	(1)	(1)	(2)	(1)	(1)	(5)		328.33	(\$1,642)
39	Trans Admin Fee	\$50	\$50	\$0	\$0	\$0	\$0	(\$50)	(\$50)	(\$50)	(\$100)	(\$50)	(\$50)				(250)
40	EFM Fee	\$75	\$75	\$0	\$0	\$0	\$0	(\$75)	(\$75)	(\$75)	(\$150)	(\$75)	(\$75)				(375)
41	Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
42	Firm Transport: 1-300	300	347	198	274	304	305	8	0	0	(367)	(202)	(300)		867	1.1930	1,034
43	Firm Transport: 301-15000	17,843	17,195	15,632	15,393	15,022	14,868	14,700	14,613	14,614	14,570	2,987	(227)		157,210	0.8351	131,286
44	Firm Transport: Over 1500	35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590		232,590	0.5423	126,134
45	CLASS TOTAL (Mcf/month)	53,143	47,542	40,830	35,667	30,326	30,173	29,708	29,613	29,614	34,203	27,785	2,063	(5)	390,667		\$256,187
46																	
47	TRANSPORTATION (T-3)																
48	TRANSPORTATION BILLS	2	2	2	2	1	0	0	0	0	0	0	0	9		329.24	\$2,963
49	Trans Admin Fee	\$100	\$100	\$100	\$100	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0				450
50	EFM Fee	\$150	\$150	\$150	\$150	\$75	\$0	\$0	\$0	\$0	\$0	\$0	\$0				675
38	Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
39	Interrupt Transport: 1-15000	2,000	2,000	2,540	2,493	5	2,000	0	0	2,000	1,422	0	0		14,480	0.6822	9,865
40	Interrupt Transport: Over 15000	0	0	0	0	2,000	0	0	0	0	578	2,000	2,000		6,578	0.4440	2,921
41	CLASS TOTAL (Mcf/month)	2,000	2,000	2,540	2,493	2,005	2,000	0	0	2,000	2,000	2,000	2,000	9	21,038		\$16,873
42																	
43	SPECIAL CONTRACTS																
44	TRANSPORTATION BILLS	0	0	0	0	0	0	0	0	0	0	0	0	0		300.00	\$0
45	Trans Admin Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
46	EFM Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
47	Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
48	Transported Volumes	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000		90,000	Various	
49	Charges for Transport Volumes	\$1,200	\$1,200	\$1,200	\$1,200	(\$3,700)	(\$200)	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200				8,100
50	CLASS TOTAL (Mcf/month)	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	0	90,000		\$8,100

ATMOS ENERGY CORPORATION - KENTUCKY
 WEATHER ADJUSTMENT - BASE NOAA 1981-2010
 TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	RESIDENTIAL (Rate G-1)																
2	FIRM BILLS													0		\$14.28	\$0
3	Sales: 1-300	169,641	239,213	159,368	516,979	114,692	20,236	10,453	(10,454)	21,833	71,308	(36,448)	259,023		1,535,844	1.1000	1,689,428
4	Sales: 301-15000														0	0.7700	0
5	Sales: Over 15000														0	0.5000	0
6	CLASS TOTAL (Mcf/month)	169,641	239,213	159,368	516,979	114,692	20,236	10,453	(10,454)	21,833	71,308	(36,448)	259,023	0	1,535,844		\$1,689,428
7																	
8	FIRM COMMERCIAL (Rate G-1)																
9	FIRM BILLS													0		35.70	\$0
10	Sales: 1-300	17,722	36,469	48,868	179,479	84,329	12,478	13,783	(12,388)	(1,901)	3,779	18,323	85,297		466,238	1.1000	512,862
11	Sales: 301-15000	1,926	3,911	4,286	11,908	3,931	1,175	2,803	(4,198)	(1,523)	857	1,602	7,394		34,072	0.7700	26,235
12	Sales: Over 15000														0	0.5000	0
13	CLASS TOTAL (Mcf/month)	19,648	40,380	53,154	191,387	88,260	13,653	16,586	(16,586)	(3,424)	4,636	19,925	92,691	0	500,310		\$539,097
14																	
15	FIRM PUBLIC AUTHORITY (Rate G-1)																
16	FIRM BILLS													0		35.70	\$0
17	Sales: 1-300	18,762	23,628	18,509	40,740	8,422	2,005	2,268	(1,982)	(2,382)	(3,477)	(1,866)	19,556		124,183	1.1000	136,601
18	Sales: 301-15000	6,494	7,226	4,278	6,228	1,412	272	134	(420)	(279)	(1,089)	(426)	5,709		29,539	0.7700	22,745
19	Sales: Over 15000														0	0.5000	0
20	CLASS TOTAL (Mcf/month)	25,256	30,854	22,787	46,968	9,834	2,277	2,402	(2,402)	(2,661)	(4,566)	(2,292)	25,265	0	153,722		\$159,346

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
Reference Period Ended DECEMBER 31, 2012
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Residential - Class 1 Rate 1</u>													
1	Jan-12	774	927	0.0122	11.3201	1.0790	12.3991	156,468	1,940,066	1,770,425	169,641	944	1,975,368
2	Feb-12	753	903	0.0122	11.0270	1.0790	12.1060	156,643	1,896,323	1,657,110	239,213	735	1,577,219
3	Mar-12	440	616	0.0122	7.5223	1.0790	8.6013	156,660	1,347,483	1,188,115	159,368	538	1,199,979
4	Apr-12	143	391	0.0122	4.7747	1.0790	5.8537	155,122	908,041	391,062	516,979	247	636,175
5	May-12	107	140	0.0122	1.7096	1.0790	2.7886	155,085	432,473	317,781	114,692	68	296,544
6	Jun-12	8	23	0.0122	0.2809	1.0790	1.3599	152,852	207,867	187,631	20,236	1	167,036
7	Jul-12	0	0	0.0122	0.0000	1.0790	1.0790	151,980	163,989	153,536	10,453	0	164,224
8	Aug-12	0	0	0.0122	0.0000	1.0790	1.0790	151,511	163,483	173,937	(10,454)	0	163,717
9	Sep-12	0	3	0.0122	0.0366	1.0790	1.1156	150,823	168,261	146,428	21,833	36	229,373
10	Oct-12	164	116	0.0122	1.4165	1.0790	2.4955	151,649	378,443	307,135	71,308	228	586,696
11	Nov-12	425	355	0.0122	4.3351	1.0790	5.4141	151,892	822,362	858,810	(36,448)	510	1,111,447
12	Dec-12	538	686	0.0122	8.3771	1.0790	9.4561	156,152	<u>1,476,592</u>	<u>1,217,569</u>	<u>259,023</u>	853	1,797,606
13													
14	Total	<u>3,352</u>	<u>4,160</u>			1.0790		153,903	<u>9,905,383</u>	<u>8,369,538</u>	<u>1,535,844</u>	4,160	<u>9,905,384</u>
15	Average Usage / Customer								64.36	54.38			

**Atmos Energy - Kentucky
Normalization Of Volumes For Weather
Reference Period Ended DECEMBER 31, 2012**

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volume (I)	Weather Adjustment	Normal HDDs (l)	Normalized Including Unbilled (m)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
<u>Commercial - Class 2 Rate 1</u>													
1	Jan-12	774	927	0.0353	32.7167	8.7964	41.5131	17,761	737,314	717,666	19,648	944	748,686
2	Feb-12	753	903	0.0353	31.8696	8.7964	40.6660	17,748	721,740	681,360	40,380	735	617,099
3	Mar-12	440	616	0.0353	21.7405	8.7964	30.5369	17,816	544,046	490,892	53,154	538	495,475
4	Apr-12	143	391	0.0353	13.7996	8.7964	22.5960	17,427	393,781	202,394	191,387	247	305,505
5	May-12	107	140	0.0353	4.9410	8.7964	13.7374	17,426	239,388	171,128	68,260	68	195,294
6	Jun-12	8	23	0.0353	0.8117	8.7964	9.6081	17,100	164,299	150,646	13,653	1	151,167
7	Jul-12	0	0	0.0353	0.0000	8.7964	8.7964	16,908	148,730	132,144	16,586	0	148,872
8	Aug-12	0	0	0.0353	0.0000	8.7964	8.7964	16,837	148,105	164,691	(16,586)	0	148,247
9	Sep-12	0	3	0.0353	0.1059	8.7964	8.9023	16,769	149,283	152,707	(3,424)	36	168,975
10	Oct-12	164	116	0.0353	4.0940	8.7964	12.8904	17,007	219,227	214,591	4,636	228	286,727
11	Nov-12	425	355	0.0353	12.5290	8.7964	21.3254	17,258	368,034	348,109	19,925	510	462,886
12	Dec-12	538	686	0.0353	24.2110	8.7964	33.0074	17,705	<u>584,396</u>	491,705	<u>92,691</u>	853	689,409
13													
14	Total	<u>3,352</u>	<u>4,160</u>			8.7964		17,314	<u>4,418,343</u>	<u>3,918,035</u>	<u>500,310</u>	4,160	<u>4,418,342</u>
15	Average Usage / Customer								255.20	226.30			

Note 1 - Adjusted for volume and contract adjustments, if any.

**Atmos Energy - Kentucky
Normalization Of Volumes For Weather
Reference Period Ended DECEMBER 31, 2012**

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volume (1)	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-12	774	927	0.1203	111.5499	17.5160	129.0659	1,580	203,924	178,668	25,256	944	207,220
2	Feb-12	753	903	0.1203	108.6619	17.5160	126.1779	1,581	199,487	168,633	30,854	735	167,577
3	Mar-12	440	616	0.1203	74.1259	17.5160	91.6419	1,578	144,611	121,824	22,787	538	129,839
4	Apr-12	143	391	0.1203	47.0507	17.5160	64.5667	1,571	101,434	54,466	46,968	247	74,234
5	May-12	107	140	0.1203	16.8468	17.5160	34.3628	1,582	54,362	44,528	9,834	68	40,668
6	Jun-12	8	23	0.1203	2.7677	17.5160	20.2837	1,575	31,947	29,670	2,277	1	27,786
7	Jul-12	0	0	0.1203	0.0000	17.5160	17.5160	1,585	27,763	25,361	2,402	0	27,771
8	Aug-12	0	0	0.1203	0.0000	17.5160	17.5160	1,574	27,570	29,972	(2,402)	0	27,579
9	Sep-12	0	3	0.1203	0.3610	17.5160	17.8770	1,565	27,977	30,638	(2,661)	36	34,203
10	Oct-12	164	116	0.1203	13.9588	17.5160	31.4748	1,571	49,447	54,013	(4,566)	228	70,641
11	Nov-12	425	355	0.1203	42.7187	17.5160	60.2347	1,546	93,123	95,415	(2,292)	510	121,996
12	Dec-12	538	686	0.1203	82.5493	17.5160	100.0653	1,596	<u>159,704</u>	134,439	<u>25,265</u>	853	191,836
13													
14	Total	<u>3,352</u>	<u>4,160</u>			17.5160		1,575	<u>1,121,349</u>	<u>967,627</u>	<u>153,722</u>	4,160	<u>1,121,350</u>
15	Average Usage / Customer								711.82	614.24			

Note 1 - Adjusted for volume and contract adjustments.

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014

Line No.	Class of Customers	Rate	Dec-13 (a)	Jan-14 (b)	Feb-14 (c)	Mar-14 (d)	Apr-14 (e)	May-14 (f)	Jun-14 (g)	Jul-14 (h)	Aug-14 (i)	Sep-14 (j)	Oct-14 (k)	Nov-14 (l)	Total Billing Units (m)
1	<u>RESIDENTIAL (Rate G-1)</u>														
2	FIRM BILLS	\$14.28	156,152	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	1,846,837
3	Sales: 1-300	1.1000	1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	9,637,652
4	Sales: 301-15000	0.7700	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0
6	CLASS TOTAL (Mcf/month)		1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	9,637,652
7	Gas Charge per Mcf	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
8	Gas Costs		\$8,359,199	\$10,849,533	\$10,585,987	\$7,512,322	\$5,051,623	\$2,442,882	\$1,156,682	\$905,575	\$910,701	\$938,463	\$2,152,940	\$4,648,846	\$55,514,753
9															
10	<u>FIRM COMMERCIAL (Rate G-1)</u>														
11	FIRM BILLS	35.70	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258	207,762
12	Sales: 1-300	1.1000	530,185	644,857	632,180	486,471	360,593	222,479	149,673	123,597	110,619	82,813	176,529	330,795	3,850,797
13	Sales: 301-15000	0.7700	45,962	70,089	67,789	42,666	23,924	13,595	14,092	25,133	37,486	66,401	40,018	28,917	476,072
14	Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0
15	CLASS TOTAL (Mcf/month)		576,147	714,946	699,969	529,137	384,523	236,074	163,765	148,730	148,105	149,214	216,547	359,712	4,326,869
16	Gas Charge per Mcf	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
17	Gas Costs		\$3,304,426	\$4,100,491	\$4,007,738	\$3,029,623	\$2,201,622	\$1,382,588	\$959,104	\$871,050	\$875,000	\$881,552	\$1,279,353	\$2,093,963	\$24,986,511
18															
19	<u>FIRM INDUSTRIAL (Rate G-1)</u>														
20	FIRM BILLS	\$35.70	193	208	204	205	198	203	202	191	186	196	213	197	2,396
21	Sales: 1-300	1.1000	29,514	41,246	32,937	31,649	16,595	13,091	9,866	6,944	10,451	8,391	11,673	22,672	235,050
22	Sales: 301-15000	0.7700	27,039	71,528	47,445	23,613	7,919	4,815	4,782	3,725	6,599	8,044	7,930	19,249	232,688
23	Sales: Over 15000	0.5000	0	3,337	0	0	0	0	0	0	0	0	0	0	3,337
24	CLASS TOTAL (Mcf/month)		56,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	471,075
25	Gas Charge per Mcf	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
26	Gas Costs		\$324,366	\$665,940	\$460,234	\$316,408	\$140,358	\$104,872	\$85,904	\$62,488	\$100,731	\$97,096	\$115,816	\$244,027	\$2,718,229
27															
28	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>														
25	FIRM BILLS	\$35.70	1,596	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	18,904
26	Sales: 1-300	1.1000	119,641	141,815	143,006	109,900	82,260	43,431	26,156	24,337	21,128	23,257	35,110	70,878	840,919
27	Sales: 301-15000	0.7700	34,935	49,084	43,734	25,403	12,574	7,278	3,544	1,440	4,470	2,724	10,994	16,169	212,349
28	Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0
29	CLASS TOTAL (Mcf/month)		154,576	190,899	186,740	135,303	94,834	50,709	29,700	25,777	25,598	25,981	46,104	87,047	1,053,268
30	Gas Charge per Mcf	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
31	Gas Costs		\$886,553	\$1,094,879	\$1,069,197	\$774,690	\$542,981	\$296,982	\$173,941	\$150,965	\$151,232	\$153,495	\$272,381	\$508,720	\$6,074,016
32															
33	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>														
34	INT BILLS	344.07	4	3	3	3	3	4	2	2	2	3	4	4	37
35	Sales: 1-15000	0.6870	4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	21,816
36	Sales: Over 15000	0.4670	0	0	0	0	0	0	0	0	0	0	0	0	0
37	CLASS TOTAL (Mcf/month)		4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	21,816
38	Gas Charge per Mcf	\$4.53	\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
39	Gas Costs		\$21,910	\$8,681	\$8,763	\$7,332	\$3,060	\$273	\$219	\$195	\$142	\$15,116	\$7,796	\$26,346	\$99,834
40															
41	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>														
42	INT BILLS	344.07	9	7	7	6	7	8	8	6	10	7	9	8	92
43	Sales: 1-15000	0.6870	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	181,954
44	Sales: Over 15000	0.4670	7,873	0	0	0	0	0	0	0	0	0	0	0	7,873
45	CLASS TOTAL (Mcf/month)		29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	189,827
46	Gas Charge per Mcf	\$4.53	\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
47	Gas Costs		\$134,210	\$58,308	\$53,656	\$51,732	\$57,798	\$77,738	\$58,075	\$56,643	\$73,843	\$80,096	\$78,569	\$91,232	\$871,900

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014

Line No.	Class of Customers	Rate	Dec-13 (a)	Jan-14 (b)	Feb-14 (c)	Mar-14 (d)	Apr-14 (e)	May-14 (f)	Jun-14 (g)	Jul-14 (h)	Aug-14 (i)	Sep-14 (j)	Oct-14 (k)	Nov-14 (l)	Total Billing Units (m)
49	<u>TRANSPORTATION (T-4)</u>														
50	TRANSPORTATION BILLS	328.33	123	120	120	121	121	121	121	122	122	123	122	122	1,458
51	Trans Admin Fee		\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000	\$71,750
52	EFM Fee		\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	\$64,125
53	Parking Fee		\$224	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$88	\$1,791
54	Firm Transport: 1-300	1.1930	36,353	35,814	35,864	35,335	35,081	34,117	33,995	33,140	33,565	34,155	35,878	36,384	419,682
55	Firm Transport: 301-15000	0.8351	476,710	536,109	496,857	415,732	380,718	363,940	342,748	323,535	351,070	344,785	432,984	472,773	4,937,962
56	Firm Transport: Over 1500	0.5423	83,153	91,879	73,659	60,513	45,909	40,936	40,735	33,750	47,393	46,579	61,703	76,597	702,807
57	CLASS TOTAL (Mcf/month)		596,216	663,802	606,380	511,580	461,708	438,993	417,478	390,425	432,028	425,519	530,565	585,754	6,060,448
58															
59	<u>TRANSPORTATION (T-3)</u>														
60	TRANSPORTATION BILLS	329.24	65	66	66	66	66	67	66	66	66	66	66	65	791
61	Trans Admin Fee		\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,350	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$39,550
62	EFM Fee		\$2,550	\$2,700	\$2,775	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$31,950
63	Parking Fee		\$258	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$4,558
64	Interrupt Transport: 1-15000	0.6822	424,698	446,777	423,495	391,729	372,011	394,959	380,227	362,369	381,407	378,699	440,655	452,458	4,849,485
65	Interrupt Transport: Over 15000	0.4440	167,000	277,361	244,305	194,625	166,441	191,966	158,090	139,951	163,234	146,445	202,993	184,689	2,237,100
66	CLASS TOTAL (Mcf/month)		591,698	724,138	667,800	586,354	538,452	586,925	538,317	502,320	544,641	525,144	643,648	637,147	7,086,585
67															
68	<u>SPECIAL CONTRACTS</u>														
69	TRANSPORTATION BILLS	300.00	18	18	18	18	18	18	18	18	18	18	18	18	216
70	Trans Admin Fee		\$850	\$875	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$10,375
71	EFM Fee		\$825	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$9,725
72	Parking Fee		\$847	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$585	\$919	\$17,352
73	Transported Volumes	Various	1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418
74	Charges for Transport Volumes		\$112,756	\$132,088	\$120,668	\$114,621	\$115,570	\$113,640	\$112,614	\$107,404	\$114,861	\$106,445	\$113,371	\$108,929	\$1,372,968
75	CLASS TOTAL (Mcf/month)		1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418
76															
77	<u>OTHER REVENUE</u>														
78	Service Charges		\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,826	\$104,999	\$778,251
79	Late Payment Fees		\$146,365	\$180,463	\$176,810	\$134,462	\$99,838	\$63,821	\$45,620	\$41,913	\$41,858	\$42,037	\$59,092	\$93,848	\$1,126,126
80															
81	TOTAL GROSS PROFIT		\$6,646,917	\$7,517,228	\$7,333,403	\$6,315,199	\$5,486,089	\$4,738,791	\$4,281,194	\$4,133,745	\$4,198,196	\$4,171,606	\$4,758,376	\$5,528,980	\$65,109,726
82	Gas Costs		\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817	\$3,906,855	\$7,611,134	\$90,265,243
83	TOTAL REVENUE		\$19,677,570	\$24,295,061	\$23,518,978	\$18,007,307	\$13,483,531	\$9,044,127	\$6,715,120	\$6,180,662	\$6,309,845	\$6,337,423	\$8,665,230	\$13,140,114	\$155,374,969

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014
PROPOSED RATES

Line No.	Class of Customers	Rate	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	<u>RESIDENTIAL (Rate G-1)</u>														
2	FIRM BILLS	\$16.00	156,152	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	1,846,837
3	Sales: 1-300	1.6320	1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	9,637,652
4	Sales: 301-15000	0.8800	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	0
6	CLASS TOTAL (Mcf/month)		1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	9,637,652
7	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
8	Gas Costs		\$8,359,199	\$10,849,533	\$10,585,987	\$7,512,322	\$5,051,623	\$2,442,882	\$1,156,682	\$905,575	\$910,701	\$938,463	\$2,152,940	\$4,648,846	\$55,514,753
9															
10	<u>FIRM COMMERCIAL (Rate G-1)</u>														
11	FIRM BILLS	40.00	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258	207,762
12	Sales: 1-300	1.6320	530,185	644,857	632,180	486,471	360,599	222,479	149,673	123,597	110,619	82,813	176,529	330,795	3,850,797
13	Sales: 301-15000	0.8800	45,962	70,089	67,789	42,666	23,924	13,595	14,092	25,133	37,486	66,401	40,018	28,917	476,072
14	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	0
15	CLASS TOTAL (Mcf/month)		576,147	714,946	699,969	529,137	384,523	236,074	163,765	148,730	148,105	149,214	216,547	359,712	4,326,869
16	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
17	Gas Costs		\$3,304,426	\$4,100,491	\$4,007,738	\$3,029,623	\$2,201,622	\$1,382,588	\$959,104	\$871,050	\$875,000	\$881,552	\$1,279,353	\$2,093,963	\$24,986,511
18															
19	<u>FIRM INDUSTRIAL (Rate G-1)</u>														
20	FIRM BILLS	\$40.00	193	208	204	205	198	203	202	191	186	196	213	197	2,396
21	Sales: 1-300	1.6320	29,514	41,246	32,937	31,649	16,595	13,091	9,886	6,944	10,451	8,391	11,673	22,672	235,050
22	Sales: 301-15000	0.8800	27,039	71,528	47,445	23,613	7,919	4,815	4,782	3,725	6,599	8,044	7,930	19,249	232,688
23	Sales: Over 15000	0.6200	0	3,337	0	0	0	0	0	0	0	0	0	0	3,337
24	CLASS TOTAL (Mcf/month)		56,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	471,075
25	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
26	Gas Costs		\$324,356	\$665,940	\$460,234	\$316,408	\$140,358	\$104,872	\$85,904	\$62,488	\$100,731	\$97,096	\$115,816	\$244,027	\$2,718,229
27															
28	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>														
25	FIRM BILLS	\$40.00	1,596	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	18,904
26	Sales: 1-300	1.6320	119,641	141,815	143,006	109,900	82,260	43,431	26,156	24,337	21,128	23,257	35,110	70,878	840,919
27	Sales: 301-15000	0.8800	34,935	49,084	43,734	25,403	12,574	7,278	3,544	1,440	4,470	2,724	10,994	16,169	212,349
28	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	0
29	CLASS TOTAL (Mcf/month)		154,576	190,899	186,740	135,303	94,834	50,709	29,700	25,777	25,598	25,981	46,104	87,047	1,053,268
30	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
31	Gas Costs		\$886,553	\$1,094,879	\$1,069,197	\$774,690	\$542,981	\$296,982	\$173,941	\$150,965	\$151,232	\$153,495	\$272,381	\$506,720	\$6,074,016
32															
33	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>														
34	INT BILLS	350.00	4	3	3	3	3	4	2	2	2	3	4	4	37
35	Sales: 1-15000	0.7920	4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	21,816
36	Sales: Over 15000	0.5310	0	0	0	0	0	0	0	0	0	0	0	0	1
37	CLASS TOTAL (Mcf/month)		4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	21,817
38	Gas Charge per Mcf		\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
39	Gas Costs		\$21,910	\$8,681	\$8,763	\$7,332	\$3,060	\$273	\$219	\$195	\$142	\$15,116	\$7,796	\$26,346	\$99,834
40															
41	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>														
42	INT BILLS	350.00	9	7	7	6	7	8	8	6	10	7	9	8	92
43	Sales: 1-15000	0.7920	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	181,954
44	Sales: Over 15000	0.5310	7,873	0	0	0	0	0	0	0	0	0	0	0	7,874
45	CLASS TOTAL (Mcf/month)		29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	189,827
46	Gas Charge per Mcf		\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
47	Gas Costs		\$134,210	\$58,308	\$53,656	\$51,732	\$57,798	\$77,738	\$58,075	\$56,643	\$73,843	\$80,096	\$78,569	\$91,232	\$871,900

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014
PROPOSED RATES

Line No.	Class of Customers	Rate	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
49	<u>TRANSPORTATION (T-4)</u>														
50	TRANSPORTATION BILLS	350.00	123	120	120	121	121	121	121	122	122	123	122	122	1,458
51	Trans Admin Fee		\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000	\$71,750
52	EFM Fee		\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	\$64,125
53	Parking Fee		\$224	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$88	\$1,791
54	Firm Transport: 1-300	1.6320	36,353	35,814	35,864	35,335	35,081	34,117	33,995	33,140	33,565	34,155	35,878	36,384	419,583
55	Firm Transport: 301-15000	0.8800	476,710	536,109	496,857	415,732	380,718	363,940	342,748	323,535	351,070	344,785	432,984	472,773	4,837,962
56	Firm Transport: Over 1500	0.6200	83,153	91,879	73,659	60,513	45,909	40,936	40,735	33,750	47,393	46,579	61,703	76,597	702,807
57	CLASS TOTAL (Mcf/month)		596,216	663,802	606,380	511,580	461,708	438,993	417,478	390,425	432,028	425,519	530,555	585,754	6,060,448
58															
59	<u>TRANSPORTATION (T-3)</u>														
60	TRANSPORTATION BILLS	350.00	65	66	66	66	66	67	66	66	66	66	66	65	791
61	Trans Admin Fee		\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,350	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$39,550
62	EFM Fee		\$2,550	\$2,700	\$2,775	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$31,950
63	Parking Fee		\$258	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$4,558
64	Interrupt Transport: 1-15000	0.7920	424,698	446,777	423,495	391,729	372,011	394,959	380,227	362,369	381,407	378,699	440,655	452,458	4,849,485
65	Interrupt Transport: Over 15000	0.5310	167,000	277,361	244,305	194,625	166,441	191,966	158,090	139,951	163,234	146,445	202,993	184,689	2,237,101
66	CLASS TOTAL (Mcf/month)		591,698	724,138	667,800	586,354	538,452	586,925	538,317	502,320	544,641	525,144	643,648	637,147	7,086,585
67															
68	<u>SPECIAL CONTRACTS</u>														
69	TRANSPORTATION BILLS	300.00	18	18	18	18	18	18	18	18	18	18	18	18	216
70	Trans Admin Fee		\$850	\$875	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$10,375
71	EFM Fee		\$825	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$9,725
72	Parking Fee		\$847	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$585	\$919	\$17,352
73	Transported Volumes	Various	1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418
74	Charges for Transport Volumes		\$112,756	\$132,088	\$120,668	\$114,621	\$115,570	\$113,640	\$112,614	\$107,404	\$114,861	\$106,445	\$113,371	\$108,929	\$1,372,968
75	CLASS TOTAL (Mcf/month)		1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418
76															
77	<u>OTHER REVENUE</u>														
78	Service Charges		\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,826	\$104,999	\$778,251
79	Late Payment Fees		\$158,514	\$195,143	\$191,249	\$145,742	\$108,509	\$69,677	\$50,079	\$46,052	\$45,929	\$46,028	\$64,445	\$101,930	\$1,223,298
80															
81	TOTAL GROSS PROFIT		\$8,272,505	\$9,479,002	\$9,249,293	\$7,826,666	\$6,659,666	\$5,567,581	\$4,930,421	\$4,736,632	\$4,801,835	\$4,763,227	\$5,536,577	\$6,653,355	\$78,476,760
82	Gas Costs		\$13,030,553	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817	\$3,906,855	\$7,611,134	\$90,265,243
83	TOTAL REVENUE		\$21,303,159	\$26,256,834	\$25,434,869	\$19,518,774	\$14,657,108	\$9,872,916	\$7,364,346	\$6,783,548	\$6,913,484	\$6,929,044	\$9,443,432	\$14,264,490	\$168,742,003

Atmos Energy Corporation, Kentucky/Mid-States Division
Kentucky Jurisdiction Case No. 2013-00148
Revenue Change by Class and Tariff Type

Line No.	Class of Customers	Revenue at Current Rates	Revenue at Proposed Rates	Proposed Revenue Change	Proposed % Change
	(a)	(b)	(c)	(d)	(e)
1	RESIDENTIAL (Rate G-1)	\$92,489,003	\$100,792,793	\$8,303,791	9.0%
2	FIRM COMMERCIAL (Rate G-1)	\$37,006,066	\$40,000,435	\$2,994,369	8.1%
3	FIRM INDUSTRIAL (Rate G-1)	\$3,243,159	\$3,404,505	\$161,346	5.0%
4	FIRM PUBLIC AUTHORITY (Rate G-1)	\$7,837,409	\$8,389,423	\$552,014	7.0%
5	INTERRUPTIBLE COMMERCIAL (G-2)	\$127,552	\$130,062	\$2,509	2.0%
6	INTERRUPTIBLE INDUSTRIAL (G-2)	\$1,032,234	\$1,052,387	\$20,154	2.0%
7	TRANSPORTATION (T-4)	\$5,621,876	\$6,114,030	\$492,155	8.8%
8	TRANSPORTATION (T-3)	\$4,638,077	\$5,381,599	\$743,522	16.0%
9	SPECIAL CONTRACTS	\$1,475,220	\$1,475,220	\$0	0.0%
10	OTHER REVENUE	\$1,904,377	\$2,001,549	\$97,171	5.1%
11					
12	TOTAL REVENUE	\$155,374,973	\$168,742,003	\$13,367,030	8.6%
13	Gas Costs	\$90,265,243	\$90,265,243	\$0	0.0%
14	TOTAL GROSS PROFIT	\$65,109,730	\$78,476,760	\$13,367,030	20.5%

	Month	Day	Year	Month	
First Day of Test Y	1/1/2012	1	1	2012 JANUARY	JANUARY 1, 2012
Last Day of Test Y	12/31/2012	12	31	2012 DECEMBER	DECEMBER 31, 2012

- 1 JANUARY
- 2 FEBRUARY
- 3 MARCH
- 4 APRIL
- 5 MAY
- 6 JUNE
- 7 JULY
- 8 AUGUST
- 9 SEPTEMBER
- 10 OCTOBER
- 11 NOVEMBER
- 12 DECEMBER

ATMOS ENERGY CORPORATION - KENTUCKY
SIDE-BY-SIDE RATE SCHEDULES
TEST YEAR ENDED DECEMBER 31, 2012

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Line No.	Billing Component	Applicable Tariffs		Current Rate	Proposed Rate		Billing Component		Current Rate Norm Hrs	After Hrs	Proposed Rate Norm Hrs	After Hrs		
	CUSTOMER CHARGES, \$/month						SERVICE CHARGES							
2	Firm Services - Residential	G-1		\$14.28	\$16.98		Peak Svc		\$34.00	\$48.00	\$54.00	\$64.00	\$14.00	
3	Firm Services - Non-Residential	G-1		35.70	40.63		Off-Pk		\$20.00	\$28.00	\$33.00	\$38.00	\$28.00	
4	Interruptible Services	G-2		244.07	250.00		Peak		\$12.00	\$18.00	\$12.00	\$14.00	\$14.00	
5	Firm Transportation	T-4		328.23	358.00		Residential Dependent Service		\$35.00	\$47.00	\$35.00	\$47.00	\$47.00	
6	Interruptible Transportation	T-3		328.23	358.00		Seasonal Charge		\$65.00	\$73.00	\$65.00	\$73.00	\$73.00	
7	DISTRIBUTION CHARGES, \$/Mcf	W/o PRP>		300.00			Special Meter Reading Charge		\$0.00	N/A	\$0.00	N/A	N/A	
8	Firm Sales	G-1					Water Test Charge		\$20.00	\$20.00	\$20.00	\$20.00	N/A	
9	1-300 Mcf			1.4000	1.6320		Repaired Clock Charge		\$25.00	N/A	\$25.00	N/A	N/A	
10	301-15000 Mcf			0.7700	0.8800		Late Payment Charge		5%	5%	5%	5%	5%	
11	Over 15000			0.5000	0.6200		Class 1 EFM Equipment Charge		\$75.00	N/A	\$75.00	N/A	N/A	
12	Firm Transportation	T-4					Class 2 EFM Equipment Charge		\$175.00	N/A	\$175.00	N/A	N/A	
13	1-300 Mcf			1.4000	1.6320									
14	301-15000 Mcf			0.8050	0.8800									
15	Over 15000			0.5000	0.6200									
16	Interruptible Sales	G-2												
17	1-15000 Mcf			0.6570	0.7520									
18	Over 15000			0.4570	0.5000									
19	Interruptible Transportation	T-3												
20	1-15000 Mcf			0.6000	0.7920									
21	Over 15000			0.4400	0.5310									
22	OTHER CHARGES													
23	Transp. Adm. Fee, \$/Mcf	T-2, T-3, T-4		\$50.00	\$50.00									
24	Parking, \$/Mcf	T-4, T-3		0.10	0.10									
25	SUMMARY OF PROPOSED VS. CURRENT RATES:													
26		Base Monthly Charges		Transp Adm/Parking/ EFM Charges				Distribution Charges			TOTAL			
27	<u>Total Class</u>	<u>Current</u>	<u>Proposed</u>	<u>% Change</u>	<u>Current</u>	<u>Proposed</u>	<u>% Change</u>	<u>Current</u>	<u>Proposed</u>	<u>% Change</u>	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>	<u>% Change</u>
28	Residential	26,372,832	29,549,392	12.04%	-	-		10,601,417	15,728,648	48.36%	36,974,250	45,278,040	8,303,791	22.46%
29	Commercial Firm	7,417,103	8,310,480	12.04%	-	-		4,602,452	6,703,444	45.65%	12,019,556	15,013,924	2,994,369	24.91%
30	Industrial Firm	85,537	95,840	12.04%	-	-		439,393	590,436	34.38%	524,930	686,276	161,346	30.74%
31	Public Authority Firm	674,873	756,160	12.04%	-	-		1,088,520	1,559,247	43.24%	1,763,392	2,315,407	552,014	31.30%
32	Com/Ind Interruptible	44,385	45,150	1.72%	-	-		143,667	165,567	15.24%	188,052	210,717	22,665	12.05%
33	Transportation	739,134	787,150	6.50%	213,723	213,723	0.00%	9,307,096	10,494,761	12.76%	10,259,953	11,495,634	1,235,681	12.04%
34	Special Contracts	64,800	64,800	0.00%	37,452	37,452	0.00%	1,372,968	1,372,968	0.00%	1,475,220	1,475,220	-	0.00%
35	Sub-total Revenue	35,398,665	39,608,972	11.89%	251,175	251,175	0.00%	27,555,513	36,615,071	32.88%	63,205,353	76,475,218	13,269,865	20.99%
36														
37	Other Gas Revenues										1,904,377	2,001,549	97,171	5.10%
38	Total Revenue										65,109,730	78,476,767	13,367,037	20.53%
39														
40	% fixed	54%	50%											

41
42
43
44
45
46

13,367,575

538

	71.3%	65.3%	0.0%					
	61.7%	55.4%	0.0%					
	16.3%	14.0%	0.0%					
	38.3%	32.7%	0.0%					
	23.6%	21.4%	0.0%					
	7.2%	6.8%	0.0%					
	4.4%	4.4%	0.0%					
	Current Rev	Prop Rev	Increase	Increase %	Customers	Increase/month		
Residential	92,489,003	100,792,793	8,303,791	8.98%	153,903	4.50	153,903	<u>Total Class</u> 2009-00354
Com Firm	37,006,066	40,000,435	2,994,369	8.09%	17,314	14.41	17,314	Residential 33,845,620
Com Int	127,552	130,063	2,510	1.97%	3	67.84	200	Commercial Firm 11,206,759
Com Total	37,133,618	40,130,497	2,996,879	8.07%	17,317	14.42	1,575	Industrial Firm 561,234
Ind Firm	3,243,159	3,404,505	161,346	4.97%	200	67.34	11	Public Authority Firm 1,778,837
Ind Int	1,032,234	1,052,398	20,155	1.95%	8	219.07	205	Com/Ind Interruptible 196,998
Ind Total	4,275,393	4,456,893	181,500	4.25%	207	72.95		Transportation 8,279,335
PA	7,837,409	8,389,423	552,014	7.04%	1,575	29.20		Special Contracts 1,382,303
Transp.	11,735,173	12,970,854	1,235,681	10.53%	205	501.29		Sub-total Revenue 57,251,086
Other	1,904,377	2,001,549	97,171	5.10%				Other Gas Revenues 2,490,422
Total	155,374,973	168,742,010	13,367,037	8.60%	173,208	6.43		Total Revenue 59,741,507
Residential	92,489,003	100,792,793	8,303,791	9.0%	153,903	4.50		
Ind & Transp	16,010,566	17,427,747	1,417,181	8.9%	413	286.13		
Com & PA	44,971,027	48,519,921	3,548,893	7.9%	18,892	15.65		
Other	1,904,377	2,001,549	97,171	5.1%				
	155,374,973	168,742,010	13,367,037	8.6%	173,208	6.43		

13.23	13.23
30	30
300	300
300	300

1.78
5.7
44.07
28.33
29.24

1.21	1.21
0.79	0.79
5.99	5.99

0.093
0.0651
0.0423

0.55	0.55
0.46	0.46

0.057
0.057

GAS COST		TTL CHNGE		per yr		per mo	
36,974,250	55,514,753	8.98%	59.21%	399,642	2.60	0.22	
12,019,556	24,986,511	8.09%	19.63%	132,519	7.65	0.64	
524,930	2,718,229	4.97%	0.90%	6,057	30.34	2.53	
1,763,392	6,074,016	7.04%	3.03%	20,437	12.97	1.08	
188,052	971,734	1.95%	0.28%	1,860	173.01	14.42	
10,259,953	-	12.04%	15.03%	101,465	557.33	46.44	
1,475,220	-	0.00%	1.93%	13,021			
	80,265,243	8.60%					

OVERRUN CHARGES, \$/Mcf

Category	Tariffs	Current Rate	Proposal X
Firm Carriage Overrun	G-1, LVS-1, T-2/G-1, T-4		
1-300 Mcf		1.1000	1.6320
301-15000 Mcf		0.7700	0.8800
Over 15000		0.5000	0.6200
Int. Carriage Overrun	G-2, LVS-2, T-2/G-2, T-3		
1-15000 Mcf		0.6870	0.7920
Over 15000		0.4670	0.5310

Billing Component	Applicable Tariffs	Current Rate	Proposal X
CUSTOMER CHARGES, \$/month			
Firm Services - Residential	G-1	37.00	\$16.00
Firm Services - Non-Residential	G-1, LVS-1, T-2/G-1	20.00	40.00
Interruptible Services	G-2, LVS-2	220.00	350.00
Carriage Transportation	T-4, T-3	220.00	350.00
All Mcf	(Proposed Only)	See Below	
Firm Sales & Transportation:			
	G-1 (Non-residential)		
	LVS-1, T-2/G-1, T-4		
1-300 Mcf		1.1900	1.6320
301-15000 Mcf		0.6500	0.8800
Over 15000		0.4900	0.6200
Int. Sales & Transportation			
	G-2, LVS-2, T-2/G-2, T-3		
1-15000 Mcf		0.5900	0.7920
Over 15000		0.3900	0.5310

Total Increase	13,367,037
Total Increase %	8.6%
Residential Incr	8,303,791
Residential Incr%	9.0%
Com/PA Incr	3,546,383
Com/PA Incr%	8.1%
Ind/Int Incr	184,010
Ind/Int Incr %	4.2%
Transp Incr	1,235,681
Transp Incr%	10.5%
Total % Volumetric Margin Contribution	47%

- 8.98% Res
- 7.91% Com/PA F
- 4.18% Ind/Int
- 10.53% Transp & SC
- 8.90% Ind/Int/Transp/SC

<u>PRP @</u>		<u>Rev @ Pres</u>
<u>cur vol/count</u>		<u>Rates</u>
3,287,370	37,132,989	36,974,250
1,184,243	12,391,003	12,019,556
13,657	574,891	524,930
107,753	1,886,590	1,763,392
17,749	214,747	188,052
454,654	8,733,990	10,259,953
	1,382,303	1,475,220
	62,316,512	63,205,353
		1,904,377
		65,109,730

		Mar-13	Apr-13	May-13	Jun-13	Jul-13	Base		Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	
OPERATING REVENUE																
<u>Sales of Gas</u>																
4800	Residential	13,621,370	10,321,399	7,557,292	5,165,176	3,590,539	3,276,797	43,632,574	12,192,276	15,164,747	14,856,627	11,192,693	8,237,282	5,118,325	3,556,660	3,245,937
4811	Commercial	4,942,495	3,892,461	2,984,154	2,270,525	1,746,094	1,629,290	17,465,019	4,581,699	5,508,901	5,400,070	4,243,109	3,243,406	2,261,581	1,746,005	1,630,887
4812	Industrial	537,385	390,265	214,786	222,180	177,049	146,899	1,888,564	540,467	645,043	604,535	438,416	240,808	222,250	177,114	146,924
4820	Other - Public Authority	1,215,554	898,532	648,396	418,866	269,106	242,031	3,892,515	1,102,035	1,345,077	1,316,621	971,475	699,234	408,837	261,659	235,429
	Total Sales of Gas	20,316,804	15,502,657	11,504,626	8,076,778	5,782,786	5,295,017	68,478,672	18,416,476	22,863,767	22,177,653	16,845,693	12,420,729	8,006,593	5,741,448	5,259,176
<u>Other Operating Income</u>																
4870	Forfeited Discounts	182,110	123,852	92,543	64,394	45,959	42,207	531,064	146,365	180,463	176,810	134,462	99,838	63,821	45,620	41,913
4890	Misc. Service Revenues	60,753	49,210	47,570	49,815	48,845	44,569	300,762	84,443	81,917	80,753	49,210	47,570	49,815	48,845	44,569
4895-4896	Revenue From Transportation of Gas of Others	974,445	855,173	791,624	801,196	757,573	716,834	4,896,994	929,607	1,047,569	974,445	855,173	791,624	801,196	757,573	716,834
4950	Other Gas Revenue (Special Contracts)	129,116	122,769	123,770	122,302	121,534	118,120	737,613	120,678	141,344	129,116	122,769	123,770	122,302	121,534	118,120
	Total Other Operating Income	1,325,425	1,151,004	1,055,507	1,037,707	974,011	921,780	6,466,434	1,281,064	1,431,283	1,341,126	1,161,614	1,062,802	1,037,134	973,672	921,485
	Total Revenue	21,643,229	16,653,660	12,560,133	9,114,485	6,756,800	6,216,797	72,945,106	19,677,570	24,295,051	23,518,978	18,007,307	13,483,531	9,044,127	6,715,120	6,180,662
	Purchased Gas Costs	14,280,291	10,316,766	7,058,695	4,362,991	2,468,087	2,076,533	40,563,333	13,020,653	16,777,832	16,185,575	11,692,108	7,967,442	4,305,335	2,433,925	2,046,916
	Gross Profit	7,362,938	6,336,894	5,501,440	4,751,525	4,288,712	4,140,264	32,381,773	6,646,917	7,517,228	7,333,403	6,315,199	5,486,089	4,738,791	4,281,194	4,133,745
	Storage Balance			(5,451,139)	(468,845)	4,552,723		20,569,562	13,170,249	4,507,435	(3,295,262)	(9,619,860)	(4,667,474)	308,869	5,313,776	
								24,606,674								
	bad debt	36,815	31,684	27,507	23,758	21,444	20,701		33,235	37,586	36,667	31,576	27,430	23,694	21,406	20,669
		0.005														
	Bad Debt Calculation based on Revenues	\$7,543,215	\$7,362,938	\$6,336,894	\$5,501,440	\$4,751,525	\$4,288,712	\$5,784,724	\$4,769,777	\$5,549,860	\$6,646,917	\$7,517,228	\$7,333,403	\$6,315,199	\$5,486,089	\$4,738,791
	Bad Debt Calculation based on Margin	(180,277)	(1,026,044)	(835,455)	(749,915)	(462,612)	(148,449)	(3,402,952)	1,877,139	1,967,389	626,487	(1,202,030)	(1,847,314)	(1,676,408)	(1,204,895)	(605,046)
	Eliminate	98,897.10	75,561.96	56,449.21	39,272.99	26,026.70	25,740.59	323,950.54	89,380.05	110,093.62	107,868.59	82,036.39	60,899.61	38,923.71	27,821.87	25,561.26

Aug-14	Sep-14	Oct-14	Nov-14	Fiscal Years						
				2014	2015	2016	2017	2018	2019	2020
3,243,841	3,266,947	4,719,342	7,696,327	92,489,003	85,711,259	92,552,194	92,217,705	91,577,329	91,363,828	91,510,172
1,827,477	1,640,793	2,121,814	3,127,875	37,133,618	34,210,084	37,140,869	37,063,542	36,889,932	36,913,642	37,126,634
212,055	213,771	235,559	368,442	4,275,392	3,808,288	4,270,892	4,306,421	4,329,662	4,384,428	4,475,042
234,107	237,048	375,552	652,328	7,837,409	7,262,308	7,862,279	7,679,957	7,466,884	7,295,155	7,159,750
5,317,490	5,358,558	7,452,287	11,874,972	141,735,422	130,891,917	141,826,235	141,267,625	140,263,807	139,958,053	140,271,597
41,858	42,037	59,092	93,948	1,126,126	1,041,894	1,126,911	1,122,031	1,113,605	1,110,637	1,112,442
56,408	64,896	124,826	104,999	776,251	776,251	778,251	778,251	778,251	778,251	778,251
771,200	757,192	908,013	949,373	10,259,950	10,259,950	10,259,950	10,259,950	10,259,950	10,259,950	10,259,950
122,891	114,741	121,032	116,923	1,475,220	1,475,220	1,475,220	1,475,220	1,475,220	1,475,220	1,475,220
992,356	878,866	1,212,953	1,265,143	13,639,547	13,555,415	13,640,332	13,635,452	13,627,026	13,624,058	13,625,864
6,309,845	6,337,423	8,665,230	13,140,114	155,374,999	144,547,331	155,466,566	154,903,077	153,890,833	153,682,111	153,897,460
2,111,649	2,165,817	3,906,855	7,611,134	90,265,243	79,241,239	90,324,559	90,014,932	89,260,094	89,203,343	89,765,900
4,198,196	4,171,606	4,758,376	5,528,980	65,109,726	65,306,092	65,142,007	64,888,144	64,630,740	64,378,769	64,131,590
10,355,576	15,416,418	20,473,839	25,257,953							
				9,415,216						
20,991	20,858	23,792	27,645	325,549	326,530	325,710	324,441	323,154	321,894	320,658
4,281,194	4,133,745	4,198,196	4,171,606	65,142,007		64,907,727	64,649,850	64,397,548	64,149,587	
(82,998)	37,861	560,180	1,357,374	(32,281)		#REF!	#REF!	#REF!	#REF!	
25,527.12	25,723.83	36,083.54	57,382.85	887,300.15		#REF!	#REF!	#REF!	#REF!	

4,429,379

	Sep-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
CUSTOMERS														
Residential	151,511	150,823	151,549	151,892	156,152	155,468	156,643	156,660	155,122	155,085	152,852	151,980	153,903	156,152
Commercial	16,839	16,772	17,011	17,262	17,709	17,764	17,751	17,819	17,430	17,430	17,102	16,910	17,317	17,709
Industrial	196	203	222	205	202	215	211	211	205	211	210	197	207	202
Other - Public Authority	1,574	1,585	1,571	1,546	1,596	1,580	1,581	1,578	1,571	1,592	1,575	1,585	1,575	1,586
Total	170,120	169,363	170,453	170,905	175,659	176,027	176,186	176,288	174,328	174,308	171,739	170,672	173,002	175,659
MCF (Cycle Bill Month)														
Residential	163,463	163,251	379,443	822,362	1,476,592	1,915,874	1,872,606	1,329,763	895,164	424,795	202,684	159,307	9,809,334	1,457,478
Commercial	148,135	152,511	220,892	373,787	589,234	728,047	712,803	538,220	369,832	237,790	184,079	148,772	4,404,083	580,985
Industrial	32,819	33,539	36,381	61,770	86,191	128,987	92,304	66,757	37,357	34,891	27,207	22,900	660,901	86,191
Other - Public Authority	27,570	27,977	49,447	93,123	159,704	197,412	193,114	139,957	98,134	52,536	30,823	26,770	1,096,566	154,576
Total	372,007	382,288	685,183	1,361,021	2,311,721	2,970,320	2,870,827	2,074,697	1,420,487	749,612	424,793	357,749	15,970,884	2,279,230

Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Fiscal Years						
											2015	2016	2017	2018	2019	2020	2021
155,466	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	153,903	153,903	153,903	153,903	153,903	153,903	153,903
17,764	17,751	17,819	17,430	17,430	17,102	16,910	16,839	16,772	17,011	17,262	17,317	17,317	17,317	17,317	17,317	17,317	17,317
215	211	211	205	211	210	197	196	203	222	205	207	207	207	207	207	207	207
1,580	1,581	1,578	1,571	1,582	1,576	1,585	1,574	1,565	1,571	1,546	1,575	1,575	1,575	1,575	1,575	1,575	1,575
176,027	176,186	176,266	174,326	174,308	171,739	170,672	170,120	169,363	170,453	170,605	173,002	173,002	173,002	173,002	173,002	173,002	173,002
1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,825	154,148	153,847	364,413	798,603	9,637,652	9,799,960	9,656,539	9,513,132	9,389,728	9,226,305	9,082,888
716,863	701,916	530,766	385,203	236,133	163,812	148,772	148,135	152,442	218,212	365,444	4,348,884	4,404,048	4,354,185	4,304,327	4,254,470	4,204,607	4,154,748
128,987	92,304	68,757	37,357	34,691	27,207	22,900	32,819	33,539	36,381	81,770	660,901	660,901	660,901	660,901	660,901	660,901	660,901
190,899	186,740	135,303	94,834	50,709	29,700	25,777	25,598	25,981	46,104	87,047	1,053,268	1,094,582	1,057,977	1,021,372	984,767	948,163	911,560
2,926,432	2,829,849	2,044,886	1,399,682	738,650	418,220	352,074	380,700	370,808	885,110	1,312,864	15,700,505	15,959,490	15,729,602	15,499,732	15,269,664	15,039,976	14,810,077

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH WEATHER & VOLUME / CONTRACT ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line	No.	Class of Customers	Rate	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)
1		RESIDENTIAL (Rate G-1)																						
2		FIRM BILLS	\$14.28	158,488	158,643	158,660	155,122	155,085	152,852	151,980	151,511	150,823	151,849	151,692	155,152	158,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823
3		Sales: 1-300	1.0000	1,940,066	1,895,323	1,347,433	908,041	432,473	207,867	163,989	163,483	168,261	378,443	822,362	1,475,592	1,915,874	1,872,806	1,329,763	895,164	424,795	202,884	159,307	158,816	163,554
4		Sales: 301-15000	0.7700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		CLASS TOTAL (Mcf/month)		1,940,066	1,895,323	1,347,433	908,041	432,473	207,867	163,989	163,483	168,261	378,443	822,362	1,475,592	1,915,874	1,872,806	1,329,763	895,164	424,795	202,884	159,307	158,816	163,554
7		Gas Charge per Mcf		\$5.73	\$5.40	\$5.40	\$5.40	\$4.13	\$4.13	\$4.13	\$4.11	\$4.11	\$4.11	\$4.59	\$4.81	\$4.81	\$4.98	\$4.98	\$4.98	\$5.85	\$5.85	\$5.85	\$5.85	\$5.91
8		Gas Costs		\$11,114,444	\$10,239,195	\$7,275,734	\$4,502,966	\$1,784,298	\$857,516	\$678,584	\$672,341	\$691,990	\$1,556,385	\$3,771,021	\$7,104,328	\$9,217,846	\$9,324,942	\$6,621,556	\$4,457,468	\$2,433,288	\$1,184,960	\$931,285	\$936,891	\$996,902
9																								
10		FIRM COMMERCIAL (Rate G-1)																						
11		FIRM BILLS	35.70	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,937	16,769	17,007	17,258	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769
12		Sales: 1-300	1.0000	655,032	651,843	500,178	369,281	225,902	150,161	123,557	119,819	82,851	178,713	339,448	537,778	654,944	642,013	493,324	384,940	224,041	149,917	123,597	110,619	82,832
13		Sales: 301-15000	0.7700	72,282	69,897	43,868	24,500	13,786	14,138	25,133	37,495	66,433	40,514	29,586	45,620	71,186	68,843	43,267	24,212	13,690	14,115	25,133	37,486	66,416
14		Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		CLASS TOTAL (Mcf/month)		737,314	721,740	544,046	393,781	239,388	164,299	148,790	149,105	149,283	219,227	369,034	604,396	726,130	710,856	536,591	339,152	237,731	164,032	148,730	148,105	149,248
16		Gas Charge per Mcf		\$5.73	\$5.40	\$5.40	\$5.40	\$4.13	\$4.13	\$4.13	\$4.11	\$4.11	\$4.11	\$4.59	\$4.81	\$4.81	\$4.98	\$4.98	\$4.98	\$5.85	\$5.85	\$5.85	\$5.85	\$5.91
17		Gas Costs		\$4,224,000	\$3,697,036	\$2,937,578	\$2,126,222	\$987,668	\$677,866	\$613,630	\$609,096	\$613,943	\$901,593	\$1,697,658	\$2,811,705	\$3,493,629	\$3,539,707	\$2,671,996	\$1,537,782	\$1,388,740	\$968,907	\$689,453	\$675,570	\$832,327
18																								
19		FIRM INDUSTRIAL (Rate G-1)																						
20		FIRM BILLS	\$35.70	208	204	205	198	203	202	191	196	196	213	197	193	208	204	205	198	203	202	191	186	196
21		Sales: 1-300	1.0000	41,246	32,937	31,649	16,595	13,091	9,866	6,944	10,451	8,391	11,673	22,672	29,514	41,246	32,937	31,649	16,595	13,091	9,866	6,944	10,451	8,391
22		Sales: 301-15000	0.7700	71,528	47,445	23,613	7,919	4,815	4,762	3,725	6,599	8,044	7,930	19,249	27,039	71,528	47,445	23,613	7,919	4,815	4,762	3,725	6,599	8,044
23		Sales: Over 15000	0.5000	3,337	0	0	0	0	0	0	0	0	0	0	0	3,337	0	0	0	0	0	0	0	0
24		CLASS TOTAL (Mcf/month)		116,111	80,382	55,262	24,514	17,907	14,868	10,670	17,050	16,435	19,603	41,920	56,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435
25		Gas Charge per Mcf		\$5.73	\$5.40	\$5.40	\$5.40	\$4.13	\$4.13	\$4.13	\$4.11	\$4.11	\$4.11	\$4.59	\$4.81	\$4.81	\$4.98	\$4.98	\$4.98	\$5.85	\$5.85	\$5.85	\$5.85	\$5.91
26		Gas Costs		\$665,197	\$434,622	\$298,387	\$132,364	\$73,879	\$60,517	\$44,021	\$70,120	\$67,539	\$80,621	\$192,229	\$272,095	\$558,644	\$400,261	\$275,177	\$122,068	\$104,680	\$85,747	\$62,374	\$100,797	\$97,159
27																								
28		FIRM PUBLIC AUTHORITY (Rate G-1)																						
29		FIRM BILLS	\$35.70	1,590	1,591	1,579	1,571	1,592	1,575	1,565	1,574	1,565	1,571	1,546	1,598	1,590	1,591	1,578	1,571	1,582	1,575	1,565	1,574	1,565
30		Sales: 1-300	1.0000	151,491	152,785	117,480	87,994	46,560	28,134	25,212	22,756	25,044	37,656	75,825	123,610	145,653	147,888	113,880	85,122	44,936	27,145	25,274	21,942	24,151
31		Sales: 301-15000	0.7700	52,434	45,719	27,150	13,450	7,803	3,813	1,551	4,613	2,933	11,791	17,297	26,093	50,759	45,228	28,277	13,012	7,540	3,678	1,496	4,642	2,828
32		Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33		CLASS TOTAL (Mcf/month)		203,924	199,487	144,631	101,434	54,362	31,947	27,763	27,570	27,977	49,447	93,123	159,704	197,412	193,114	139,957	98,134	52,536	30,823	26,770	26,584	26,979
34		Gas Charge per Mcf		\$5.73	\$5.40	\$5.40	\$5.40	\$4.13	\$4.13	\$4.13	\$4.11	\$4.11	\$4.11	\$4.59	\$4.81	\$4.81	\$4.98	\$4.98	\$4.98	\$5.85	\$5.85	\$5.85	\$5.85	\$5.91
35		Gas Costs		\$1,169,253	\$1,077,123	\$780,625	\$547,694	\$224,288	\$131,607	\$114,546	\$113,383	\$115,059	\$203,355	\$427,023	\$768,362	\$949,808	\$951,511	\$698,916	\$488,658	\$307,118	\$180,187	\$158,453	\$157,160	\$159,495
36																								
37		INTERRUPTIBLE COMMERCIAL (G-2)																						
38		INT BILLS	\$44.07	3	3	3	3	4	2	2	2	3	4	4	4	3	3	3	3	4	2	2	2	3
39		Sales: 1-15000	0.6870	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838	1,917	1,947	1,629	680	59	47	42	30	3,228
40		Sales: Over 15000	0.4670	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41		CLASS TOTAL (Mcf/month)		1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838	1,917	1,947	1,629	680	59	47	42	30	3,228
42		Gas Charge per Mcf		\$4.67	\$4.38	\$4.38	\$4.38	\$3.11	\$3.11	\$3.11	\$3.10	\$3.10	\$3.10	\$3.54	\$3.77	\$3.77	\$3.90	\$3.90	\$3.90	\$4.64	\$4.64	\$4.64	\$4.70	\$4.70
43		Gas Costs		\$8,948	\$8,533	\$7,139	\$2,990	\$183	\$147	\$131	\$94	\$9,956	\$5,155	\$20,299	\$18,226	\$7,221	\$7,591	\$6,351	\$2,651	\$2,73	\$220	\$195	\$143	\$15,187
44																								
45		INTERRUPTIBLE INDUSTRIAL (G-2)																						
46		INT BILLS	\$344.07	7	7	6	7	6	8	6	10	7	9	8	9	7	7	8	7	8	8	6	10	7
47		Sales: 1-15000	0.6870	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104
48		Sales: Over 15000	0.4670	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49		CLASS TOTAL (Mcf/month)		12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104
50		Gas Charge per Mcf		\$4.67	\$4.38	\$4.38	\$4.38	\$3.11	\$3.11	\$3.11	\$3.10	\$3.10	\$3.10	\$3.54	\$3.77	\$3.77	\$3.90	\$3.90	\$3.90	\$4.64	\$4.64	\$4.64	\$4.70	\$4.70

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Rev	Res	\$13,559,669	\$13,621,370	\$10,321,369	\$7,657,262	\$5,165,176	\$3,590,539	Rev	Res
	Com	\$4,912,519	\$4,942,495	\$3,692,481	\$2,994,154	\$2,270,525	\$1,746,094		Com
	Ind	\$727,942	\$537,395	\$390,265	\$214,788	\$222,180	\$177,049		Ind
	PA	\$1,206,617	\$1,215,554	\$699,532	\$648,395	\$418,696	\$269,106		PA
	Trans	\$1,188,913	\$1,103,893	\$977,942	\$915,394	\$923,498	\$879,207		Trans
	Other	\$223,205	\$222,868	\$173,062	\$140,113	\$114,209	\$94,804		Other
	Gas Cost	\$14,275,659	\$14,230,291	\$10,316,766	\$7,059,695	\$4,382,961	\$2,468,067		Gas Cost
Mof	Res	1,915,674	1,672,696	1,329,763	895,164	424,795	202,664	Mof	Res
	Com	728,047	712,903	536,220	369,632	237,790	164,079		Com
	Ind	129,897	92,394	66,757	37,357	34,691	27,207		Ind
	PA	197,412	193,114	139,957	98,134	62,536	30,823		PA
	Trans	2,706,262	2,443,733	2,214,479	2,127,558	2,136,269	2,028,975		Trans
	Other								Other
	Gas Cost								Gas Cost
Rev (1000)	Res	\$13,590	\$13,621	\$10,321	\$7,657	\$5,165	\$3,591	Rev (1000)	Res
	Com	4,913	4,942	3,692	2,994	2,271	1,746		Com
	Ind	728	537	390	215	222	177		Ind
	PA	1,207	1,215	699	648	419	269		PA
	Trans	1,189	1,104	978	915	923	879		Trans
	Other	223	223	173	140	114	95		Other
	Gas Cost	14,276	14,280	10,317	7,059	4,383	2,468		Gas Cost
Mof (1000)	Res	1,916	1,673	1,330	895	426	203	Mof (1000)	Res
	Com	728	713	536	390	238	164		Com
	Ind	129	92	67	37	35	27		Ind
	PA	197	193	140	98	63	31		PA
	Trans	2,706	2,444	2,214	2,128	2,136	2,027		Trans
	Other								Other
	Gas Cost								Gas Cost

Oct-13 (x)	Nov-13 (y)	Dec-13 (z)	Jan-14 (aa)	Feb-14 (ab)	Mar-14 (ac)	Apr-14 (ad)	May-14 (ae)	Jun-14 (af)	Jul-14 (ag)	Aug-14 (ah)	Sep-14 (ai)	Oct-14 (aj)	Nov-14 (ak)	Dec-14 (al)	Jan-15 (am)	Feb-15 (an)	Mar-15 (ao)	Apr-15 (ap)	May-15 (aq)	Jun-15 (ar)	Jul-15 (as)	Aug-15 (at)	Sep-15 (au)	Oct-15 (av)
151,649	151,892	156,152	156,469	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	156,152	156,469	156,643	156,660	155,122	155,085	152,852	151,990	151,511	150,823	151,649
371,421	610,482	1,457,478	1,391,663	1,048,989	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	1,438,354	1,557,492	1,625,172	1,294,340	869,412	409,439	192,333	149,943	149,480	154,141	357,391
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
371,421	610,482	1,457,478	1,391,663	1,048,989	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	1,438,354	1,557,492	1,625,172	1,294,340	869,412	409,439	192,333	149,943	149,480	154,141	357,391
\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.73	\$5.66	\$5.91	\$5.82	\$5.91	\$5.91	\$5.82	\$5.82	\$5.82	\$5.80	\$5.80	\$5.59	\$5.95	\$5.66	\$5.66	\$5.92	\$5.92	\$5.92
\$2,195,774	\$4,646,427	\$6,359,199	\$10,849,533	\$10,585,997	\$7,512,322	\$5,051,623	\$2,442,862	\$1,156,682	\$905,575	\$910,701	\$930,463	\$2,152,940	\$4,648,646	\$9,373,037	\$10,671,066	\$10,594,126	\$7,505,844	\$5,041,698	\$2,400,304	\$1,127,537	\$679,029	\$884,205	\$911,776	\$2,114,042
17,007	17,256	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,256	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007
177,821	334,622	530,185	644,857	632,190	486,471	380,599	222,479	149,673	123,597	110,619	82,813	176,529	330,795	522,593	634,771	622,350	479,618	395,259	220,916	148,429	123,597	110,619	82,795	175,436
40,266	29,251	45,952	70,089	67,789	42,665	23,924	13,595	14,092	25,133	37,486	66,401	40,018	28,917	45,304	68,993	66,734	42,065	23,636	13,800	14,069	25,133	37,486	66,396	39,771
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217,887	363,873	576,147	714,946	699,969	529,137	384,523	236,074	163,765	148,730	148,105	149,214	216,547	369,712	567,887	703,764	689,064	521,683	379,865	234,416	163,498	148,730	148,105	149,181	215,207
\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.66	\$5.91	\$5.82	\$5.91	\$5.91	\$5.82	\$5.82	\$5.82	\$5.82	\$5.80	\$5.80	\$5.59	\$5.95	\$5.66	\$5.66	\$5.92	\$5.92	\$5.92
\$1,288,109	\$2,088,952	\$3,304,426	\$4,100,491	\$4,007,738	\$3,029,623	\$2,201,622	\$1,382,588	\$669,104	\$971,050	\$875,000	\$981,552	\$1,279,352	\$2,093,963	\$3,305,655	\$4,095,767	\$3,995,980	\$3,025,226	\$2,203,001	\$1,374,245	\$656,494	\$871,918	\$876,072	\$982,437	\$1,272,994
213	197	193	208	204	205	188	203	202	191	186	196	213	197	193	206	204	205	196	203	202	191	186	196	213
11,673	22,672	29,514	41,246	32,937	31,649	16,595	13,091	9,866	6,944	10,451	6,391	11,673	22,672	29,514	41,246	32,937	31,649	16,595	13,091	9,366	6,944	10,451	6,391	11,673
7,930	19,249	27,939	71,528	47,445	23,613	7,919	4,815	3,725	6,588	4,782	6,044	7,930	19,249	27,939	71,528	47,445	23,613	7,919	4,815	4,782	6,588	8,044	7,930	7,930
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19,605	41,920	56,553	116,111	80,382	56,262	24,514	17,307	14,668	10,670	17,050	16,435	19,605	41,920	56,553	116,111	80,382	56,262	24,514	17,307	14,668	10,670	17,050	16,435	19,605
\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.66	\$5.91	\$5.82	\$5.91	\$5.91	\$5.82	\$5.82	\$5.82	\$5.80	\$5.80	\$5.80	\$5.80	\$5.80	\$5.80	\$5.80	\$5.80	\$5.92	\$5.92
\$115,691	\$240,429	\$324,256	\$665,840	\$490,234	\$316,408	\$140,258	\$104,872	\$85,904	\$82,488	\$100,731	\$97,096	\$115,616	\$244,027	\$329,210	\$675,907	\$466,132	\$320,463	\$142,156	\$104,977	\$85,990	\$62,551	\$100,854	\$97,215	\$115,958
1,571	1,846	1,696	1,530	1,531	1,578	1,571	1,582	1,575	1,585	1,574	1,556	1,571	1,546	1,596	1,580	1,591	1,576	1,571	1,562	1,575	1,595	1,574	1,565	1,571
36,382	73,352	119,641	141,815	143,006	109,900	82,280	43,431	26,156	24,337	21,128	23,267	35,110	70,678	115,671	136,977	139,126	106,120	79,398	41,987	25,166	23,398	20,314	22,364	33,637
11,399	16,733	34,935	49,084	43,734	25,402	12,574	7,278	3,544	1,440	4,470	2,724	10,994	16,169	33,777	47,410	42,241	24,530	12,137	7,016	3,410	1,385	4,297	2,619	10,595
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47,775	90,085	154,578	190,939	168,740	135,303	94,834	60,739	29,700	25,777	25,998	25,981	48,104	87,047	149,445	184,367	180,367	130,650	81,533	48,883	28,576	24,783	24,611	24,893	44,432
\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.66	\$5.91	\$5.82	\$5.91	\$5.91	\$5.82	\$5.82	\$5.82	\$5.80	\$5.80	\$5.80	\$5.80	\$5.80	\$5.80	\$5.80	\$5.80	\$5.92	\$5.92
\$262,437	\$518,672	\$686,563	\$1,094,879	\$1,069,197	\$774,690	\$642,981	\$296,832	\$173,941	\$160,965	\$151,232	\$193,495	\$272,391	\$508,720	\$869,970	\$1,073,358	\$1,045,944	\$757,636	\$530,798	\$286,573	\$167,525	\$145,265	\$145,579	\$147,730	\$252,825
4	4	4	3	3	3	3	4	2	2	2	3	4	4	4	3	3	3	3	4	2	2	2	3	4
1,665	5,732	4,838	1,917	1,947	1,629	680	59	47	42	30	3,226	1,665	5,732	4,838	1,917	1,947	1,629	680	59	47	42	30	3,226	1,665
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,665	5,732	4,838	1,917	1,947	1,629	680	59	47	42	30	3,226	1,665	5,732	4,838	1,917	1,947	1,629	680	59	47	42	30	3,226	1,665
\$4.70	\$4.53	\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.68	\$4.68	\$4.60	\$4.56	\$4.56	\$4.56	\$4.62	\$4.62	\$4.62	\$4.62	\$4.67	\$4.67
\$7,832	\$29,988	\$21,810	\$8,681	\$8,763	\$7,332	\$3,060	\$273	\$219	\$195	\$142	\$15,116	\$7,796	\$26,346	\$22,238	\$8,811	\$9,870	\$7,421	\$3,088	\$272	\$219	\$194	\$142	\$15,079	\$7,777
9	8	9	7	7	6	7	8	8	6	10	7	9	8	9	7	7	6	7	8	8	6	7	7	9
16,776	19,650	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,650	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778
0	0	7,873	0	0	0	0	0	0	0	0	0	0	0	7,873	0	0	0	0	0	0	0	0	0	0
16,776	19,650	29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,650	29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778
\$4.70	\$4.53	\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.68	\$4.68	\$4.60	\$4.56	\$4.56	\$4.56	\$4.62	\$4.62	\$4.62	\$4.62	\$4.67	\$4.67
\$78,537	\$99,887	\$134,210	\$58,306	\$53,656	\$51,732	\$57,799	\$77,738	\$58,075	\$56,543	\$73,843	\$80,096	\$78,569	\$91,232	\$138,218	\$89,180	\$54,309	\$52,362	\$59,501	\$77,524	\$57,915	\$56,497	\$73,663	\$79,901	\$78,378

122	122	123	120	129	121	121	121	122	122	123	122	122	120	120	121	121	121	122	122	123	122	
\$6,000	\$6,000	\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,000	\$6,000
\$5,325	\$5,400	\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	\$5,100	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325
\$72	\$88	\$224	\$346	\$336	\$126	\$125	\$163	\$82	\$45	\$57	\$72	\$88	\$224	\$346	\$125	\$163	\$128	\$82	\$45	\$57	\$72	
35,876	36,384	36,353	35,814	35,864	35,335	35,081	34,117	33,995	33,140	33,565	34,155	35,876	36,384	36,353	35,814	35,864	35,335	35,081	34,117	33,995	33,140	33,565
432,964	472,773	476,710	536,109	496,857	415,732	390,719	363,940	342,746	323,555	351,670	344,785	432,964	472,773	476,710	536,109	496,857	415,732	390,719	363,940	342,746	323,555	351,670
61,703	76,597	63,153	61,879	73,659	60,513	45,909	40,936	40,735	33,750	47,393	45,579	61,703	76,597	63,153	61,879	73,659	60,513	45,909	40,936	40,735	33,750	47,393
530,565	565,754	566,216	663,802	608,390	511,590	461,708	438,953	417,476	390,425	432,028	425,519	530,565	565,754	566,216	663,802	608,390	511,590	461,708	438,953	417,476	390,425	432,028

66	65	65	66	66	66	66	67	66	66	66	65	65	66	66	66	66	67	66	66	66	66	66
\$3,300	\$3,250	\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,350	\$3,300	\$3,300	\$3,300	\$3,250	\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,350	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300
\$2,625	\$2,550	\$2,550	\$2,700	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$2,550	\$2,700	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625
\$313	\$202	\$258	\$548	\$518	\$440	\$320	\$420	\$322	\$450	\$339	\$313	\$202	\$258	\$548	\$518	\$440	\$320	\$420	\$322	\$450	\$339	\$313
440,655	452,456	424,686	446,777	423,495	391,729	372,011	394,959	390,227	392,359	381,407	379,699	440,655	452,456	424,686	446,777	423,495	391,729	372,011	394,959	390,227	392,359	381,407
202,992	194,599	167,000	277,351	244,305	194,625	165,441	191,956	159,090	139,951	163,234	145,445	202,992	194,599	167,000	277,351	244,305	194,625	165,441	191,956	159,090	139,951	163,234
643,646	637,147	591,698	724,138	667,600	586,384	538,452	586,925	539,317	502,320	614,641	525,144	643,646	637,147	591,698	724,138	667,600	586,384	538,452	586,925	539,317	502,320	614,641

18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
\$850	\$850	\$850	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$850	\$850	\$850	\$850	\$850	\$875	\$875	\$850	\$850	\$850	\$850
\$825	\$825	\$825	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$825	\$825	\$825	\$825	\$825	\$800	\$800	\$800	\$800	\$800	\$825
\$585	\$918	\$647	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$585	\$918	\$647	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954
1,113,688	1,076,713	1,063,175	1,313,342	1,169,552	1,116,545	1,127,368	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,688	1,076,713	1,063,175	1,313,342	1,169,552	1,116,545	1,127,368	1,109,351	1,071,180	1,054,956	1,149,314
\$113,571	\$108,929	\$112,756	\$132,038	\$120,668	\$114,621	\$115,570	\$113,640	\$112,814	\$107,404	\$114,661	\$105,445	\$113,571	\$108,929	\$112,756	\$132,038	\$120,668	\$114,621	\$115,570	\$113,640	\$112,814	\$107,404	\$114,661
1,113,688	1,076,713	1,063,175	1,313,342	1,169,552	1,116,545	1,127,368	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,688	1,076,713	1,063,175	1,313,342	1,169,552	1,116,545	1,127,368	1,109,351	1,071,180	1,054,956	1,149,314

\$124,826	\$104,999	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,846	\$44,569	\$56,408	\$64,896	\$124,826	\$104,999	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408
\$59,697	\$94,036	\$146,365	\$180,463	\$176,610	\$134,462	\$99,638	\$63,621	\$45,620	\$41,913	\$41,858	\$42,037	\$59,697	\$94,036	\$146,365	\$180,463	\$176,610	\$134,462	\$99,638	\$63,621	\$45,620	\$41,913	\$41,858
\$4,769,777	\$5,549,880	\$6,646,917	\$7,517,226	\$7,333,403	\$6,315,189	\$5,486,089	\$4,738,791	\$4,281,194	\$4,133,745	\$4,196,196	\$4,171,606	\$4,769,777	\$5,549,880	\$6,646,917	\$7,517,226	\$7,333,403	\$6,315,189	\$5,486,089	\$4,738,791	\$4,281,194	\$4,133,745	\$4,196,196
\$3,968,980	\$7,608,325	\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817	\$3,968,980	\$7,608,325	\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649
\$6,739,757	\$13,158,185	\$19,677,570	\$24,295,061	\$23,516,976	\$18,007,307	\$13,483,531	\$9,044,127	\$6,745,120	\$6,189,662	\$6,309,845	\$6,337,423	\$6,739,757	\$13,158,185	\$19,677,570	\$24,295,061	\$23,516,976	\$18,007,307	\$13,483,531	\$9,044,127	\$6,745,120	\$6,189,662	\$6,309,845

\$4,595,295	\$5,350,823	\$6,436,108	\$7,274,848	\$7,095,840	\$5,131,527	\$5,338,681	\$4,825,155	\$4,186,730	\$4,047,263	\$4,089,931	\$4,064,674	\$4,595,295	\$5,350,823	\$6,436,108	\$7,274,848	\$7,095,840	\$5,131,527	\$5,338,681	\$4,825,155	\$4,186,730	\$4,047,263	\$4,089,931
\$3,968,980	\$7,608,325	\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817	\$3,968,980	\$7,608,325	\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649
949,394	1,713,277	2,696,373	2,962,204	2,373,341	1,826,937	1,009,661	533,617	349,172	340,172	345,271	435,019	949,394	1,713,277	2,696,373	2,962,204	2,373,341	1,826,937	1,009,661	533,617	349,172	340,172	345,271
577,396	1,095,406	1,774,963	1,929,228	1,536,777	1,167,783	618,362	284,157	157,565	154,648	154,370	218,617	577,396	1,095,406	1,774,963	1,929,228	1,536,777	1,167,783	618,362	284,157	157,565	154,648	154,370
284,089	458,898	679,136	725,976	699,352	492,434	295,847	193,690	151,141	148,679	148,245	168,151	284,089	458,898	679,136	725,976	699,352	492,434	295,847	193,690	151,141	148,679	148,245
19,603	41,920	58,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,436	19,603	41,920	58,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050
68,305	116,053	185,701	193,989	156,830	121,456	89,336	37,873	25,799	25,784	25,605	31,815	68,305	116,053	185,701	193,989	156,830	121,456	89,336	37,873	25,799	25,784	25,605
18,443	25,582	34,476	14,793	13,869	13,124	13,522	16,844	12,587	12,272	15,789	20,332	18,443	25,582	34,476	14,793	13,869	13,124	13,522	16,844	12,587	12,272	15,789

967,837	1,738,859	2,730,649	2,976,997	2,367,210	1,840,061	1,023,384	550,460	361,769	352,444	351,070	455,350	967,837	1,738,859	2,730,649	2,976,997	2,367,210	1,840,061	1,023,384	550,460	361,769	352,444	455,350
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\$2,934,406	2,352,742	1,813,252	1,008,102	542,062	356,018	346,762	355,409	448,366	939,291
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\$4,769,885	\$7,708,976	\$12,192,276	\$15,164,747	\$14,856,627	\$11,192,693	\$8,237,282	\$5,116,325	\$3,686,060	\$3,245,937	\$3,243,841	\$3,265,947
\$2,131,998	\$3,124,942	\$4,581,699	\$5,908,901	\$5,400,070	\$4,243,109	\$3,243,406	\$2,261,591	\$1,748,005	\$1,830,867	\$1,827,477	\$1,640,793
\$236,002	\$363,496	\$540,467	\$845,043	\$904,535	\$438,416	\$240,808	\$222,250	\$177,114	\$146,924	\$212,065	\$213,771
\$387,315	\$865,436	\$1,102,035	\$1,345,077	\$1,316,621	\$971,475	\$698,234	\$406,837	\$281,669	\$236,429	\$234,107	\$237,046
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
\$184,513	\$499,037	\$210,806	\$242,380	\$237,553	\$163,672	\$147,408	\$113,636	\$94,465	\$85,482	\$98,266	\$106,933
\$3,968,980	\$7,608,325	\$13,030,653	\$16,777,832	\$16,185,575	\$11,892,108	\$7,997,442	\$4,305,935	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817
371,421	810,482	1,457,478	1,891,683	1,848,889	1,312,080	882,288	417,117	197,501	154,625	154,148	158,647
219,552	369,605	580,985	718,653	701,916	530,786	365,203	236,133	163,812	148,772	148,135	152,442
38,381	61,770	85,191	128,987	92,304	65,757	37,357	34,691	27,207	22,900	32,819	33,539
47,775	90,085	154,576	190,699	166,740	135,303	94,854	59,709	29,700	25,777	25,585	25,981
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
\$4,770	\$7,709	\$12,192	\$15,165	\$14,857	\$11,193	\$8,237	\$5,116	\$3,557	\$3,246	\$3,244	\$3,267
2,132	3,125	4,582	5,509	5,400	4,243	3,243	2,262	1,746	1,631	1,627	1,641
236	393	540	845	805	438	241	222	177	147	212	214
387	865	1,102	1,345	1,317	871	699	407	262	235	234	237
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
195	199	211	242	238	184	147	114	94	86	98	107
3,969	7,608	13,031	16,778	16,185	11,892	7,997	4,305	2,434	2,047	2,112	2,166
371	810	1,457	1,892	1,849	1,312	882	417	198	155	154	159
220	370	581	717	702	531	385	236	164	149	148	152
36	62	85	129	92	67	37	35	27	23	32	34
48	90	155	191	187	135	95	51	30	26	26	26
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

#REF!
#REF!

Nov-15 (av)	Dec-15 (ax)	Jan-16 (av)	Feb-16 (az)	Mar-16 (ba)	Apr-16 (bc)	May-16 (bc)	Jun-16 (bd)	Jul-16 (be)	Aug-16 (bf)	Sep-16 (bg)	Oct-16 (bh)	Nov-16 (bi)	Dec-16 (bi)	Jan-17 (bk)	Feb-17 (bl)	Mar-17 (bm)	Apr-17 (bn)	May-17 (bo)	Jun-17 (bp)	Jul-17 (bc)	Aug-17 (bt)	Sep-17 (bs)	Oct-17 (bd)	Nov-17 (bu)
151,892	156,152	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	156,152	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892
785,724	1,419,249	1,843,301	1,801,471	1,276,636	856,535	401,761	187,150	145,261	144,813	149,434	350,368	774,845	1,400,135	1,818,125	1,777,754	1,258,917	843,659	394,084	181,967	140,579	140,145	144,727	343,346	762,566
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785,724	1,419,249	1,843,301	1,801,471	1,276,636	856,535	401,761	187,150	145,261	144,813	149,434	350,368	774,845	1,400,135	1,818,125	1,777,754	1,258,917	843,659	394,084	181,967	140,579	140,145	144,727	343,346	762,566
\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.92	\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.10	\$6.06
\$4,605,644	\$8,308,575	\$10,791,063	\$10,515,864	\$7,452,205	\$4,999,917	\$2,390,010	\$1,108,666	\$860,518	\$966,816	\$894,477	\$2,097,220	\$4,598,833	\$8,310,032	\$10,796,806	\$10,526,202	\$7,454,133	\$4,995,392	\$2,379,042	\$1,096,515	\$846,660	\$854,657	\$882,599	\$2,093,653	\$4,626,299
17,258	17,705	17,761	17,748	17,316	17,427	17,428	17,100	16,906	16,897	16,769	17,007	17,258	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258
526,959	515,002	624,885	612,517	472,765	351,620	219,357	149,366	123,597	110,619	82,775	174,344	323,141	507,410	614,597	692,967	465,912	347,579	217,755	148,340	123,597	110,619	82,756	173,251	319,315
28,582	44,646	67,897	95,680	41,464	23,348	13,424	14,046	25,133	37,486	66,370	39,523	28,248	43,988	66,806	64,626	40,863	23,060	13,309	14,023	25,133	37,486	66,365	39,275	27,913
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355,551	569,648	692,582	678,197	514,229	375,268	232,781	163,232	148,730	148,105	149,145	213,867	351,369	651,368	681,397	697,313	506,775	370,539	231,104	162,363	148,730	148,105	149,112	212,526	347,228
\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.92	\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.10	\$6.06
\$2,081,469	\$3,276,284	\$4,054,517	\$3,856,891	\$3,091,748	\$2,190,581	\$1,378,663	\$966,877	\$881,068	\$896,521	\$892,747	\$1,280,157	\$2,085,552	\$3,272,638	\$4,044,293	\$3,851,206	\$3,090,649	\$2,194,579	\$1,395,150	\$983,790	\$897,867	\$903,200	\$909,341	\$1,296,063	\$2,105,442
197	183	208	204	205	198	203	202	191	186	196	213	197	193	208	204	205	196	203	202	191	196	196	213	197
22,672	29,514	41,246	32,937	31,649	16,866	13,091	9,866	6,944	10,451	8,391	11,673	22,672	29,514	41,246	32,937	31,649	16,895	13,091	9,886	6,944	10,451	8,391	11,673	22,672
19,249	27,039	71,528	47,445	23,612	7,919	4,815	4,782	3,725	6,699	8,044	7,930	19,249	27,039	71,528	47,445	23,613	7,919	4,815	4,782	3,725	6,699	8,044	7,930	19,249
0	0	3,337	0	0	0	0	0	0	0	0	0	0	0	3,337	0	0	0	0	0	0	0	0	0	0
41,920	58,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	58,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,089	16,435	19,603	41,920
\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.92	\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.10	\$6.06
\$245,410	\$331,075	\$679,736	\$469,219	\$322,565	\$143,088	\$106,078	\$86,882	\$83,207	\$102,057	\$99,374	\$117,341	\$248,804	\$335,654	\$689,137	\$475,948	\$327,210	\$145,148	\$108,101	\$88,549	\$64,412	\$103,977	\$100,225	\$119,548	\$254,186
1,546	1,596	1,860	1,881	1,578	1,571	1,582	1,576	1,585	1,574	1,565	1,571	1,546	1,596	1,860	1,881	1,578	1,571	1,582	1,576	1,585	1,574	1,565	1,571	1,546
68,404	111,702	132,139	133,245	102,340	76,534	40,303	24,177	22,461	19,500	21,470	32,654	65,930	107,733	127,302	128,364	96,580	73,671	38,739	23,197	21,523	18,686	20,576	31,291	63,457
15,605	32,618	45,736	40,748	23,656	11,699	6,754	3,276	1,329	4,125	2,514	10,197	15,041	31,459	44,061	39,256	22,782	11,252	6,491	3,142	1,274	3,953	2,440	9,799	14,476
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84,009	144,320	177,875	173,993	125,992	88,233	47,057	27,453	23,790	23,625	23,964	42,761	80,971	139,192	171,363	167,620	121,342	84,933	45,230	26,329	22,787	22,639	22,986	41,090	77,933
\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.84	\$5.92	\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.10	\$6.06
\$491,606	\$844,879	\$1,041,317	\$1,016,863	\$735,466	\$515,049	\$278,793	\$162,630	\$140,931	\$141,414	\$143,653	\$255,957	\$480,576	\$826,127	\$1,017,068	\$992,499	\$716,474	\$502,894	\$273,049	\$159,945	\$137,623	\$138,051	\$140,177	\$250,562	\$472,652
4	4	3	3	3	3	4	2	2	2	3	4	4	4	3	3	3	3	4	2	2	2	3	4	4
5,732	4,833	1,917	1,947	1,629	690	59	47	42	30	3,228	1,665	5,732	4,833	1,917	1,947	1,629	690	59	47	42	30	3,228	1,665	5,732
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5,732	4,833	1,917	1,947	1,629	690	59	47	42	30	3,228	1,665	5,732	4,833	1,917	1,947	1,629	690	59	47	42	30	3,228	1,665	5,732
\$4.61	\$4.61	\$4.61	\$4.57	\$4.57	\$4.57	\$4.66	\$4.66	\$4.66	\$4.72	\$4.72	\$4.72	\$4.67	\$4.67	\$4.64	\$4.64	\$4.64	\$4.75	\$4.75	\$4.75	\$4.82	\$4.82	\$4.82	\$4.82	\$4.78
\$26,429	\$22,308	\$8,839	\$8,907	\$7,453	\$3,111	\$275	\$221	\$196	\$143	\$15,245	\$7,862	\$26,783	\$22,806	\$8,957	\$8,032	\$7,557	\$3,154	\$280	\$225	\$200	\$145	\$15,544	\$8,017	\$27,405
8	9	7	7	6	7	8	6	6	10	7	9	8	9	7	7	6	7	8	6	6	10	7	9	8
19,850	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850
0	7,873	0	0	0	0	0	0	0	0	0	0	0	7,873	0	0	0	0	0	0	0	0	0	0	0
19,850	29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850
\$4.61	\$4.61	\$4.61	\$4.57	\$4.57	\$4.57	\$4.66	\$4.66	\$4.66	\$4.72	\$4.72	\$4.72	\$4.67	\$4.67	\$4.64	\$4.64	\$4.64	\$4.75	\$4.75	\$4.75	\$4.82	\$4.82	\$4.82	\$4.82	\$4.78
\$91,517	\$136,644	\$59,365	\$54,538	\$52,532	\$63,748	\$78,234	\$66,446	\$67,004	\$74,473	\$80,780	\$79,240	\$92,743	\$138,474	\$60,160	\$65,299	\$53,317	\$59,566	\$79,793	\$59,814	\$53,143	\$75,937	\$82,357	\$80,797	\$94,899

122	123	120	120	121	121	121	121	122	122	122	122	123	120	120	121	121	121	122	123	122	122	122	123	122	122
\$6,000	\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000
\$5,400	\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,325	\$5,400	\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	\$5,400
\$98	\$224	\$348	\$336	\$126	\$126	\$163	\$128	\$82	\$45	\$72	\$98	\$224	\$348	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$72	\$98	\$224	\$348	
36,384	36,363	35,814	35,864	35,336	35,081	34,117	33,995	33,140	33,965	34,155	35,878	36,384	36,363	35,814	35,864	35,335	35,081	34,117	33,995	33,140	33,565	34,155	35,878	36,364	
472,773	476,710	536,109	496,857	415,732	380,718	363,940	342,748	323,535	351,070	344,785	432,984	472,773	476,710	536,109	496,857	415,732	380,718	363,940	342,748	323,535	351,070	344,785	432,984	472,773	
76,597	83,153	91,879	73,659	80,513	45,909	40,836	40,735	33,750	47,393	46,579	61,703	76,597	83,153	91,879	73,659	80,513	45,909	40,836	40,735	33,750	47,393	46,579	61,703	76,597	
565,754	596,216	663,802	606,380	511,580	461,708	438,959	417,476	390,426	432,026	426,819	530,565	565,754	596,216	663,802	606,380	511,580	461,708	438,959	417,476	390,426	432,026	426,819	530,565	565,754	

65	65	66	66	66	66	67	66	66	66	66	66	65	66	66	66	66	66	66	66	66	66	66	66	66	65
\$3,250	\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,250
\$2,550	\$2,550	\$2,700	\$2,775	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$2,550
\$202	\$258	\$548	\$518	\$440	\$520	\$429	\$429	\$450	\$313	\$202	\$258	\$548	\$518	\$440	\$520	\$429	\$429	\$450	\$313	\$202	\$258	\$548	\$518	\$440	\$520
452,458	424,588	446,777	423,495	391,729	372,011	384,959	380,227	362,369	361,497	378,939	440,655	452,458	424,588	446,777	423,495	391,729	372,011	384,959	380,227	362,369	361,497	378,939	440,655	452,458	424,588
184,689	187,000	277,351	244,305	194,625	166,441	191,966	158,090	139,951	163,234	146,445	202,993	184,689	187,000	277,351	244,305	194,625	166,441	191,966	158,090	139,951	163,234	146,445	202,993	184,689	187,000
637,147	591,698	724,133	667,600	586,354	633,452	566,925	536,317	502,320	544,641	525,144	643,648	637,147	591,698	724,133	667,600	586,354	633,452	566,925	536,317	502,320	544,641	525,144	643,648	637,147	

18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
\$950	\$850	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$950	\$850	\$850	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$850	\$850	\$850
\$925	\$825	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$925	\$825	\$825	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$825	\$825	\$825
\$919	\$847	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$654	\$1,221	\$686	\$947	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$654	\$1,221	\$686	\$947	\$2,181	
1,078,713	1,083,175	1,313,342	1,169,553	1,116,545	1,127,386	1,109,351	1,071,160	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	1,083,175	1,313,342	1,169,553	1,116,545	1,127,386	1,109,351	1,071,160	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	
\$108,929	\$112,756	\$132,089	\$129,666	\$114,621	\$116,570	\$113,640	\$12,614	\$107,404	\$114,661	\$106,445	\$113,371	\$108,929	\$112,756	\$132,089	\$129,666	\$114,621	\$115,570	\$113,640	\$12,614	\$107,404	\$114,661	\$106,445	\$113,371	\$108,929	
1,078,713	1,083,175	1,313,342	1,169,553	1,116,545	1,127,386	1,109,351	1,071,160	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	1,083,175	1,313,342	1,169,553	1,116,545	1,127,386	1,109,351	1,071,160	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	

\$104,999	\$64,443	\$61,917	\$60,763	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$34,896	\$124,826	\$104,999	\$64,443	\$61,917	\$60,763	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$34,896	\$124,826	\$104,999
\$93,099	\$144,801	\$176,427	\$174,670	\$132,939	\$98,723	\$62,926	\$45,080	\$41,441	\$41,411	\$41,583	\$58,330	\$92,815	\$144,341	\$177,820	\$174,139	\$132,491	\$98,433	\$62,905	\$45,046	\$41,404	\$41,370	\$41,543	\$58,300	\$92,968
\$5,507,542	\$6,575,069	\$7,424,873	\$7,242,814	\$6,248,966	\$5,436,683	\$4,713,579	\$4,286,314	\$4,120,824	\$4,195,424	\$4,158,806	\$4,735,965	\$5,486,568	\$6,539,468	\$7,379,121	\$7,198,052	\$6,216,275	\$5,416,747	\$4,701,399	\$4,259,098	\$4,114,952	\$4,179,221	\$4,152,282	\$4,725,111	\$5,486,032
\$7,542,274	\$12,919,775	\$16,634,837	\$16,023,082	\$11,572,059	\$7,910,503	\$4,222,223	\$2,383,832	\$2,002,924	\$2,071,425	\$2,125,184	\$3,837,777	\$7,533,290	\$12,905,531	\$16,616,331	\$16,010,174	\$11,561,340	\$7,900,707	\$4,235,419	\$2,389,637	\$2,006,905	\$2,075,978	\$2,130,254	\$3,848,860	\$7,580,784
\$13,049,816	\$19,494,846	\$24,059,711	\$23,265,866	\$17,821,096	\$13,380,189	\$6,935,803	\$6,650,146	\$6,123,746	\$6,256,050	\$6,283,790	\$8,573,742	\$13,019,857	\$19,444,999	\$23,895,452	\$23,209,226	\$17,777,616	\$13,317,454	\$8,956,818	\$6,649,736	\$6,121,457	\$6,255,188	\$6,262,546	\$8,573,971	\$13,048,816

\$5,305,444	\$6,365,825	\$7,184,530	\$7,007,391	\$6,066,897	\$5,293,390	\$4,600,838	\$4,172,369	\$4,034,814	\$4,087,605	\$4,052,126	\$4,552,909	\$5,269,753	\$6,330,683	\$7,139,384	\$6,963,160	\$6,034,574	\$5,270,744	\$4,589,679	\$4,165,207	\$4,028,690	\$4,081,443	\$4,045,653	\$4,541,965	\$5,268,065
\$7,542,274	\$12,919,775	\$16,634,837	\$16,023,082	\$11,572,059	\$7,910,503	\$4,222,223	\$2,383,832	\$2,002,924	\$2,071,425	\$2,125,184	\$3,837,777	\$7,533,290	\$12,905,531	\$16,616,331	\$16,010,174	\$11,561,340	\$7,900,707	\$4,235,419	\$2,389,637	\$2,006,905	\$2,075,978	\$2,130,254	\$3,848,860	\$7,580,784
1,683,341	2,618,319	2,877,023	2,304,403	1,773,319	979,295	616,822	337,691	328,808	333,948	421,052	906,574	1,636,370	2,579,288	2,834,436	2,269,937	1,746,509	964,013	508,424	331,950	323,125	328,288	414,070	892,301	1,613,401
1,086,329	1,728,745	1,877,062	1,496,329	1,135,582	596,547	271,769	146,093	145,471	145,022	207,859	549,496	1,051,295	1,707,117	1,852,508	1,476,104	1,119,481	506,639	265,574	143,357	140,782	140,348	202,480	540,195	1,036,242
444,324	658,590	703,073	581,840	469,398	293,792	192,067	151,117	148,868	148,244	167,329	276,176	439,940	648,322	691,675	572,742	462,861	290,896	191,262	161,105	148,869	148,244	168,919	273,539	432,956
41,920	58,553	116,111	80,382	55,262	24,514	17,907	14,666	10,670	17,050	16,435	19,803	41,920	58,553	116,111	80,382	56,282	24,514	17,907	14,868	10,670	17,050	16,435	19,803	41,920
110,198	173,431	190,757	146,062	113,076	64,442	35,079	23,813	23,758	23,632	29,429	61,299	106,225	167,296	174,142	140,709	108,695	61,994	33,881	22,320	22,804	22,546	28,236	58,964	102,283
25,582	34,476	14,793	13,869	13,124	13,522	16,844	12,587	12,272	15,799	20,332	18,443	25,582	34,476	14,793	13,869	13,124	13,522	16,844	12,587	12,272	15,799	20,332	16,443	25,582
1,688,923	2,652,795	2,891,816	2,318,272	1,786,442	992,816	533,655	350,277	341,080	348,747	441,383	925,017	1,663,952	2,613,764	2,849,229	2,263,606	1,759,633	977,536	525,267	344,586	335,397	344,087	434,401	910,744	1,638,983

Dec-17 (tw)	Jan-18 (tw)	Feb-18 (bx)	Mar-18 (bv)	Apr-18 (bz)	May-18 (ca)	Jun-18 (cb)	Jul-18 (cc)	Aug-18 (cd)	Sep-18 (ca)	Oct-18 (cf)	Nov-18 (cg)	Dec-18 (ch)
156,152	156,483	156,643	156,660	155,122	155,095	152,852	151,990	151,511	150,823	151,649	151,892	156,152
1,381,021	1,794,934	1,754,037	1,241,213	830,767	386,406	176,795	135,896	135,477	140,020	336,323	751,087	1,361,907
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1,381,021	1,794,934	1,754,037	1,241,213	830,767	386,406	176,795	135,896	135,477	140,020	336,323	751,087	1,361,907
\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$6.21	\$6.21	\$6.21	\$6.33	\$6.33	\$6.33	\$6.33	\$6.33
\$9,373,920	\$10,883,712	\$10,580,420	\$7,487,045	\$5,011,219	\$2,401,458	\$1,098,693	\$844,574	\$658,108	\$885,894	\$2,130,262	\$4,757,368	\$8,826,288
17,705	17,781	17,748	17,816	17,427	17,426	17,100	16,908	16,937	16,769	17,007	17,256	17,705
499,819	604,511	592,856	459,058	343,239	216,234	148,696	123,597	110,619	82,737	172,180	315,498	492,226
43,330	65,704	63,572	40,262	22,772	13,213	14,000	25,133	37,486	66,341	39,028	27,579	42,672
0	0	0	0	0	0	0	0	0	0	0	0	0
543,149	670,215	656,428	493,320	366,011	229,447	162,696	148,730	146,105	149,078	211,188	343,067	534,898
\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$6.21	\$6.21	\$6.21	\$6.33	\$6.33	\$6.33	\$6.33	\$6.33
\$3,293,423	\$4,063,897	\$3,959,539	\$3,011,918	\$2,207,793	\$1,425,890	\$1,011,132	\$824,336	\$828,094	\$944,257	\$1,337,680	\$2,172,979	\$3,386,032
193	208	204	205	198	203	202	191	196	198	213	197	193
29,514	41,246	32,937	31,649	16,595	13,091	9,836	6,944	10,451	8,391	11,673	22,672	29,514
27,039	71,528	47,445	23,613	7,919	4,615	4,782	3,725	6,599	8,044	7,930	19,249	27,039
0	3,337	0	0	0	0	0	0	0	0	0	0	0
56,553	116,111	90,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	56,553
\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$6.21	\$6.21	\$6.21	\$6.33	\$6.33	\$6.33	\$6.33	\$6.33
\$342,916	\$704,046	\$484,866	\$333,343	\$147,870	\$111,288	\$91,159	\$68,311	\$107,884	\$104,097	\$124,167	\$285,622	\$358,206
1,596	1,580	1,591	1,578	1,571	1,582	1,575	1,595	1,574	1,565	1,571	1,546	1,596
103,764	122,463	123,484	94,781	70,608	37,175	22,138	20,666	17,872	19,683	30,018	60,983	99,795
30,300	42,397	37,763	21,908	10,824	6,229	3,003	1,218	3,731	2,305	9,400	13,912	29,141
0	0	0	0	0	0	0	0	0	0	0	0	0
134,064	164,850	161,247	116,689	81,632	43,404	26,209	21,804	21,653	21,989	39,418	74,895	120,336
\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$6.21	\$6.21	\$6.21	\$6.33	\$6.33	\$6.33	\$6.33	\$6.33
\$812,907	\$999,580	\$972,848	\$703,873	\$482,407	\$269,750	\$156,652	\$135,509	\$137,150	\$139,271	\$249,673	\$474,383	\$816,678
4	3	3	3	3	4	2	2	2	3	4	4	4
4,838	1,917	1,947	1,629	660	59	47	42	30	3,229	1,665	5,732	4,838
0	0	0	0	0	0	0	0	0	0	0	0	0
4,838	1,917	1,947	1,629	660	59	47	42	30	3,229	1,665	5,732	4,838
\$4.73	\$4.73	\$4.75	\$4.75	\$4.75	\$4.93	\$4.93	\$4.93	\$5.05	\$5.05	\$5.05	\$4.97	\$4.97
\$23,132	\$9,165	\$9,248	\$7,737	\$3,230	\$291	\$234	\$207	\$153	\$16,305	\$8,419	\$28,462	\$24,024
9	7	7	6	7	8	8	6	10	7	9	8	9
21,764	12,676	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,776	19,850	21,764
7,873	0	0	0	0	0	0	0	0	0	0	0	7,873
29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,776	19,850	29,637
\$4.78	\$4.73	\$4.75	\$4.75	\$4.75	\$4.93	\$4.93	\$4.93	\$5.05	\$5.05	\$5.05	\$4.97	\$4.97
\$141,693	\$61,559	\$56,622	\$54,582	\$90,994	\$82,765	\$61,845	\$60,320	\$79,652	\$88,397	\$84,750	\$98,560	\$147,159

123	120	120	121	121	121	121	122	122	123	122	122	123
\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000	\$6,000
\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	\$5,100
\$224	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$88	\$224
36,353	35,814	36,864	35,335	35,061	34,117	33,995	33,140	33,655	34,195	35,878	36,384	36,353
478,710	536,109	498,357	415,732	380,718	389,940	342,748	323,535	351,070	344,785	432,584	472,773	478,710
83,153	91,879	73,659	60,513	45,909	40,936	40,735	33,750	47,393	45,579	81,703	76,597	83,153
595,216	663,802	606,390	511,580	461,708	436,983	417,478	380,425	492,028	425,519	530,565	585,754	595,216

65	66	66	66	66	67	66	66	66	66	66	65	65
\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,350	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,250
\$2,550	\$2,700	\$2,775	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$2,550
\$256	\$548	\$516	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$258
424,688	445,777	423,485	391,729	372,011	334,859	380,227	382,369	381,407	379,699	440,655	452,458	424,688
167,000	277,351	244,305	194,625	165,441	191,955	158,990	139,951	163,234	146,445	202,993	184,669	167,000
591,698	724,138	667,800	586,354	538,462	526,829	538,317	502,320	644,641	625,144	643,648	837,147	651,698

18	18	18	18	18	18	18	18	18	18	18	18	18
\$950	\$875	\$875	\$975	\$975	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$850
\$925	\$900	\$900	\$900	\$900	\$900	\$900	\$900	\$925	\$925	\$925	\$925	\$925
\$847	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$585	\$919	\$847
1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	1,083,175
\$112,756	\$132,088	\$120,868	\$114,621	\$115,570	\$113,640	\$112,614	\$107,404	\$114,681	\$109,446	\$113,371	\$109,929	\$112,756
1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	1,083,175

\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,826	\$104,999	\$64,443
\$144,639	\$178,181	\$174,127	\$132,469	\$98,400	\$63,215	\$45,194	\$41,519	\$41,626	\$41,805	\$58,843	\$94,442	\$147,227

\$6,504,625	\$7,334,321	\$7,153,808	\$6,183,947	\$5,394,050	\$4,889,550	\$4,282,069	\$4,108,452	\$4,173,315	\$4,146,282	\$4,714,831	\$5,446,816	\$6,472,070
\$12,987,991	\$16,721,958	\$16,063,403	\$11,598,508	\$7,823,512	\$4,291,551	\$2,419,715	\$2,031,257	\$2,121,151	\$2,177,210	\$3,934,921	\$7,797,274	\$13,360,390
\$19,492,615	\$24,056,279	\$23,217,211	\$17,782,455	\$13,317,562	\$9,581,101	\$6,671,794	\$6,139,709	\$6,294,466	\$6,323,492	\$8,649,752	\$13,244,091	\$19,832,460

\$6,295,543	\$7,094,223	\$6,918,928	\$6,002,268	\$5,248,080	\$4,576,520	\$4,158,030	\$4,022,365	\$4,075,261	\$4,039,590	\$4,531,162	\$5,247,375	\$6,260,400
\$12,987,991	\$16,721,958	\$16,063,403	\$11,598,508	\$7,823,512	\$4,291,551	\$2,419,715	\$2,031,257	\$2,121,151	\$2,177,210	\$3,934,921	\$7,797,274	\$13,360,390

2,540,262	2,791,842	2,235,466	1,749,697	948,728	500,025	326,210	317,443	322,626	407,086	879,626	1,588,429	2,501,229
1,694,492	1,927,923	1,455,875	1,103,376	578,729	259,379	138,521	138,099	135,673	197,101	530,692	1,021,197	1,661,962
638,055	890,278	563,873	458,365	287,939	190,456	151,094	148,859	148,244	168,508	270,903	426,972	827,787
56,553	116,111	80,382	55,262	24,514	17,907	14,669	10,670	17,050	15,435	19,603	41,520	56,553
161,162	167,527	135,336	104,694	59,546	32,284	21,827	21,811	21,659	27,042	55,628	98,340	156,027
34,478	14,793	13,869	13,124	13,522	16,844	12,587	12,272	15,799	20,332	19,443	25,582	34,478

2,574,738	2,808,635	2,249,335	1,732,821	982,251	516,869	338,796	329,715	338,425	427,417	896,469	1,614,011	2,535,705
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ATMOS ENERGY CORPORATION - KENTUCKY
 SUMMARY OF REVENUE AT PRESENT RATES
 TEST YEAR ENDING NOVEMBER 30, 2014

Line No.	Description	Block (Mcf)	Reference Period - Twelve Months Ending 12/31/2012				Forward-looking Adjustments To Test Year		Total Test Year Volumes (i)	Present Margin (j)	Present Revenue (k)
			Number of Bills, Units (a)	Volumes As Metered (b)	Contract Adj. Bills and Volumes (c)	Weather Adj. Volumes (NOAA 1991-2010) (d)	Total Volumes (e)	Customer Growth Forecast (f)			
1	Sales										
2	Firm Sales (G-1)	Customer Chrg	1,846,837						0	\$14.28	\$26,372,832
3		Customer Chrg	229,048		14					35.70	8,177,513
4		0 - 300		12,829,601	14,168	2,128,265	14,970,035		0	1.1000	16,020,860
5		301 - 15,000		899,149	(19,980)	63,611	942,780			0.7700	709,254
6		Over 15,000		3,337	0	0	3,337			0	3,337
7	Interruptible Sales (G-2)	Customer Chrg	138		(9)					0.5000	1,669
8		0 - 15,000		294,806	(91,038)		203,768			0.6870	44,365
9		Over 15,000		247,293	(239,420)		7,873			0.6870	139,989
10										0.4670	3,677
11	Transportation										
12	Firm Transportation (T-4)	Customer Chrg	1,463		(5)					328.33	478,705
13	Customer Charges (T-3)	Customer Chrg	782		9					329.24	260,429
14	Customer Charges (Spk)	Customer Chrg	216		0					300.00	64,800
15	Transp. Adm. Fee	Customer Chrg	2,430		4					50.00	121,675
16	Parked Volumes [1]			237,004	0					0.10	23,700
17	EFM Charges									Various	105,800
18	Firm Transportation (T-4)	0 - 300		418,814	867		419,681			1.1930	500,679
19		301 - 15,000		4,780,751	157,210		4,937,961			0.8351	4,123,691
20		Over 15,000		470,216	232,590		702,806			0.5423	381,132
21	Interruptible Transportation (T-3)	0 - 15,000		4,835,024	14,460		4,849,484			0.6822	3,308,318
22		Over 15,000		2,230,522	6,578		2,237,100			0.4440	993,272
23	Total Special Contracts [2]			13,377,418	90,000		13,467,418			Various	1,372,968
24	Total Tariff		2,078,484	40,366,931	165,435	2,189,876	42,742,242	0	(427,287)	42,314,955	63,205,348
25											
26	Other Revenues										778,251
27	Late Payment Fees										1,126,126
28	Total Gross Profit										65,109,725
29											
30	Gas Costs										90,265,243
31											
32	Total Revenue										\$ 155,374,968
33											

34 [1] Parked Volumes not included in Total Deliveries.
 35 [2] Based on confidential information.

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014

EXHIBIT MAM-7

PROPOSED RATES

Line No.	Class of Customers	Rate	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	
1	RESIDENTIAL (Rate G-1)		\$4,877,036	\$5,590,715	\$5,523,675	\$4,647,842	\$3,921,846	\$3,162,095	\$2,767,954	\$2,684,028	\$2,675,746	\$2,672,406	\$3,021,106	\$3,733,592	\$45,278,040
2	FIRM BILLS	\$16.00	158,152	168,489	168,643	158,680	155,122	155,065	152,852	151,980	151,511	150,823	151,549	151,892	1,846,837
3	Sales: 1-300	1.6320	1,467,478	1,891,683	1,848,689	1,312,060	682,298	417,117	167,501	154,625	154,148	158,847	384,413	798,603	9,637,652
4	Sales: 301-15000	0.8900	0	0	0	0	0	0	0	0	0	0	0	0	
5	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	
6	CLASS TOTAL (Mcf/month)		1,457,428	1,891,683	1,848,689	1,312,060	682,298	417,117	167,501	154,625	154,148	158,847	384,413	798,603	9,637,652
7	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.66	\$5.66	\$5.59	\$5.59	\$5.91	\$5.91	\$5.82	
8	Gas Costs		\$8,359,199	\$10,849,533	\$10,565,987	\$7,512,322	\$5,051,623	\$2,442,862	\$1,156,662	\$805,575	\$910,701	\$939,453	\$2,152,940	\$4,848,846	\$55,514,753
9															1,5493
10	FIRM COMMERCIAL (Rate G-1)		\$1,613,608	\$1,824,825	\$1,801,292	\$1,544,107	\$1,306,631	\$1,072,089	\$940,567	\$900,147	\$886,598	\$884,344	\$1,003,591	\$1,255,624	\$15,013,624
11	FIRM BILLS	40.00	17,705	17,781	17,748	17,816	17,427	17,426	17,100	16,906	16,837	16,769	17,007	17,258	207,762
12	Sales: 1-300	1.6320	530,185	644,857	632,180	486,471	360,599	222,479	149,673	123,597	110,619	82,813	175,529	330,795	3,850,797
13	Sales: 301-15000	0.8900	45,862	70,089	67,789	42,586	23,924	13,595	14,052	25,133	37,486	68,401	40,018	26,917	476,072
14	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	
15	CLASS TOTAL (Mcf/month)		578,147	714,946	689,969	529,137	384,523	238,074	163,765	148,730	148,105	149,214	216,547	359,712	4,326,859
16	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.66	\$5.66	\$5.59	\$5.59	\$5.91	\$5.91	\$5.82	\$5.82	
17	Gas Costs		\$3,304,426	\$4,100,491	\$4,007,738	\$3,029,623	\$2,201,622	\$1,362,583	\$959,104	\$871,050	\$875,000	\$881,552	\$1,279,353	\$2,083,953	\$24,986,511
18															1,2480
19	FIRM INDUSTRIAL (Rate G-1)		\$79,662	\$140,647	\$103,665	\$80,631	\$41,972	\$33,723	\$28,422	\$22,252	\$30,303	\$28,612	\$34,549	\$81,819	\$886,276
20	FIRM BILLS	\$40.00	193	208	208	205	198	203	202	191	186	196	213	197	2,366
21	Sales: 1-300	1.6320	29,514	41,246	32,937	31,849	16,595	13,091	9,886	6,944	10,451	8,391	11,673	22,672	235,050
22	Sales: 301-15000	0.8900	27,039	71,528	47,445	23,613	7,919	4,815	4,782	3,725	6,559	8,044	7,930	19,249	232,688
23	Sales: Over 15000	0.6200	0	3,337	0	0	0	0	0	0	0	0	0	3,337	
24	CLASS TOTAL (Mcf/month)		56,553	116,111	80,392	55,262	24,514	17,907	14,668	10,670	17,050	16,436	19,603	41,920	471,075
25	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.66	\$5.66	\$5.59	\$5.59	\$5.91	\$5.91	\$5.82	\$5.82	
26	Gas Costs		\$324,356	\$665,940	\$460,234	\$316,408	\$140,358	\$104,872	\$85,904	\$62,488	\$100,731	\$97,096	\$115,816	\$244,027	\$2,718,229
27															1,4904
28	FIRM PUBLIC AUTHORITY (Rate G-1)		\$289,837	\$337,836	\$335,112	\$284,891	\$208,153	\$144,564	\$108,806	\$104,385	\$101,374	\$102,953	\$129,814	\$161,742	\$2,915,407
29	FIRM BILLS	\$40.00	1,596	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,595	1,571	1,546	16,904
30	Sales: 1-300	1.6320	119,841	141,815	143,006	109,900	62,260	43,431	26,156	24,337	21,128	23,257	35,110	70,878	840,919
31	Sales: 301-15000	0.8900	34,995	49,084	43,734	25,403	12,574	7,278	3,544	1,440	4,470	2,724	10,994	18,169	212,349
32	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	
33	CLASS TOTAL (Mcf/month)		154,576	190,899	186,740	135,303	94,834	50,709	29,700	25,777	25,598	25,981	46,104	87,047	1,053,268
34	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.66	\$5.66	\$5.59	\$5.59	\$5.91	\$5.91	\$5.82	\$5.82	
35	Gas Costs		\$896,563	\$1,094,879	\$1,069,197	\$774,690	\$542,981	\$286,982	\$173,941	\$150,965	\$151,232	\$153,495	\$272,361	\$506,720	\$6,074,016
36															45,150
37	INTERRUPTIBLE COMMERCIAL (G-2)		\$5,232	\$2,568	\$2,582	\$2,340	\$1,589	\$1,447	\$738	\$733	\$724	\$3,606	\$2,718	\$5,940	\$30,228
38	INT BILLS	350.00	4	3	3	3	3	4	2	2	2	3	4	37	
39	Sales: 1-15000	0.7920	4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	
40	Sales: Over 15000	0.5310	0	0	0	0	0	0	0	0	0	0	0	1	
41	CLASS TOTAL (Mcf/month)		4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	
42	Gas Charge per Mcf		\$4.63	\$4.63	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
43	Gas Costs		\$21,910	\$8,681	\$8,763	\$7,332	\$3,060	\$273	\$195	\$142	\$115,116	\$7,796	\$26,346	\$99,834	
44															2,488
45	INTERRUPTIBLE INDUSTRIAL (G-2)		\$24,568	\$12,648	\$11,892	\$11,204	\$12,621	\$16,093	\$12,731	\$11,786	\$15,989	\$15,996	\$16,438	\$18,621	\$180,487
46	INT BILLS	380.00	9	7	7	6	7	8	6	6	10	7	9	82	
47	Sales: 1-15000	0.7920	21,764	12,676	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	
48	Sales: Over 15000	0.5310	7,873	0	0	0	0	0	0	0	0	0	0	7,674	
49	CLASS TOTAL (Mcf/month)		29,637	12,676	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	
50	Gas Charge per Mcf		\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
51	Gas Costs		\$134,210	\$58,308	\$53,656	\$51,732	\$57,739	\$77,739	\$59,075	\$56,643	\$73,843	\$80,096	\$78,569	\$91,232	
52															680,902
53	TRANSPORTATION (T-4)		\$584,782	\$640,895	\$695,119	\$614,780	\$474,498	\$455,114	\$436,107	\$443,902	\$447,248	\$442,688	\$531,931	\$577,097	\$6,114,030
54	TRANSPORTATION BILLS	350.00	123	120	120	121	121	121	121	122	122	123	122	122	
55	Trans Admin Fee		\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	
56	EFM Fee		\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	
57	Parking Fee		\$224	\$345	\$326	\$126	\$126	\$163	\$128	\$82	\$45	\$57	\$72	\$69	
58	Firm Transport: 1-300	1.6320	36,353	35,814	35,854	35,395	35,081	34,117	33,995	33,140	33,565	34,155	35,876	36,384	
59	Firm Transport: 301-15000	0.8900	476,710	536,109	496,957	415,732	380,718	363,940	342,748	323,535	351,070	344,795	432,984	472,773	
60	Firm Transport: Over 1500	0.6200	63,153	91,879	73,659	60,513	45,909	40,936	40,735	33,760	47,393	46,679	61,705	76,597	
61	CLASS TOTAL (Mcf/month)		598,216	663,882	608,380	511,580	461,708	458,953	417,478	390,425	432,028	425,619	530,565	585,764	
62															6,114,030
63	TRANSPORTATION (T-3)		\$463,646	\$590,774	\$494,827	\$443,210	\$412,508	\$444,561	\$414,539	\$390,657	\$418,226	\$407,066	\$488,126	\$485,169	\$5,361,599
64	TRANSPORTATION BILLS	350.00	85	66	66	66	66	67	66	66	66	66	65	791	
65	Trans Admin Fee		\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,950	
66	EFM Fee		\$2,550	\$2,700	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$3,180	
67	Parking Fee		\$256	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	
68	Interrupt Transport: 1-15000	0.7920	424,896	446,777	423,496	391,729	372,011	354,969	380,227	382,369	391,407	378,669	440,655	462,456	
69	Interrupt Transport: Over 15000	0.5310	167,000	277,361	244,305	184,625	166,441	191,966	158,050	139,951	183,234	146,445	202,993	184,665	
70	CLASS TOTAL (Mcf/month)		581,696	724,136	667,800	566,354	536,452	566,925	538,317	502,320	544,641	525,144	643,446	637,147	
71															5,361,599
72	SPECIAL CONTRACTS		\$120,678	\$141,344	\$129,116	\$122,769	\$								

74	Charges for Transport Voltages	\$112,756	\$132,086	\$120,668	\$114,621	\$115,570	\$113,640	\$112,614	\$107,404	\$114,861	\$105,445	\$113,371	\$108,929	\$1,372,968	1,372,968
75	CLASS TOTAL (M/dm/month)	1,063,175	1,318,342	1,169,553	1,116,546	1,127,399	1,105,381	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418	1,475,220

76															
77	OTHER REVENUE														
78	Service Charges	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,645	\$44,569	\$56,408	\$94,896	\$124,828	\$104,899	\$778,251	
79	Late Payment Fees	\$158,514	\$195,143	\$191,249	\$145,742	\$108,509	\$89,877	\$50,079	\$46,052	\$45,929	\$46,028	\$64,445	\$101,930	\$1,223,288	
80															
81	TOTAL GROSS PROFIT	\$8,272,605	\$9,479,002	\$9,249,293	\$7,825,666	\$6,659,666	\$5,567,581	\$4,930,421	\$4,738,632	\$4,801,835	\$4,793,227	\$5,636,577	\$8,653,355	\$78,476,760	
82	Gas Costs	\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817	\$3,906,855	\$7,611,134	\$90,265,243	
83	TOTAL REVENUE	\$21,303,159	\$28,258,634	\$25,434,669	\$19,518,774	\$14,657,106	\$9,872,916	\$7,364,346	\$6,783,546	\$6,913,484	\$6,929,044	\$9,443,432	\$14,264,490	\$168,742,003	

84															
85															
86		4,650,319	6,634,714	5,273,592	4,259,365	3,527,240	2,873,919	2,448,155	2,299,775	2,486,883	2,396,474	2,953,211	3,614,478	42,314,955	
87		\$8,049,549	\$9,221,942	\$8,997,292	\$7,631,714	\$6,503,587	\$5,448,089	\$4,831,497	\$4,848,010	\$4,659,498	\$4,852,302	\$5,347,306	\$6,446,428	76,475,212	
88		\$13,030,653	\$16,777,832	\$16,165,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817	\$3,906,855	\$7,611,134	\$90,265,243	

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95															
96	R/C/PA Inc	\$1,481,660	\$1,790,265	\$1,790,816	\$1,375,622	\$1,057,494	\$714,147	\$543,759	\$504,810	\$486,478	\$486,791	\$652,793	\$885,616		

97															
98	T2/G2 Class 1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
99	T2/G2 Class 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
100	T4 Class 1	80	81	80	77	77	77	77	77	77	77	78	77	78	78
101	T4 Class 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
102	T3 Class 1	38	39	39	39	39	38	38	38	38	37	38	38	38	38
103	T3 Class 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
104	SP K Class 1	17	17	16	17	17	17	17	17	17	17	17	17	17	17
105	SP K Class 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

106

May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	
(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
155,085	152,852	151,980	151,511	150,823	151,649	151,992	152,152	153,468	155,843	156,680	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,992	152,152	153,468
394,084	181,967	140,673	140,145	144,727	243,546	262,996	1,381,021	1,764,934	1,754,037	1,241,213	830,767	386,408	178,765	139,856	156,477	140,020	396,323	761,057	1,351,507	1,551,907
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384,054	181,967	140,673	140,145	144,727	243,546	262,996	1,381,021	1,764,934	1,754,037	1,241,213	830,767	386,408	178,765	139,856	156,477	140,020	396,323	761,057	1,351,507	1,551,907
\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03
\$2,070,042	\$1,068,515	\$548,660	\$564,657	\$659,268	\$2,033,853	\$4,626,298	\$8,373,820	\$10,835,712	\$10,580,420	\$7,487,405	\$5,011,219	\$2,401,458	\$1,088,950	\$644,574	\$564,108	\$889,884	\$2,130,262	\$4,757,258	\$8,626,288	\$10,626,288
17,428	17,100	18,908	16,937	16,789	17,007	17,298	17,705	17,781	17,748	17,816	17,427	17,426	17,400	16,906	16,837	16,769	17,007	17,298	17,705	17,781
217,795	148,940	123,597	110,619	92,756	173,251	319,315	439,819	604,511	592,856	459,058	343,329	216,234	148,696	122,597	110,619	92,757	172,160	315,488	492,226	673,226
13,329	14,023	25,133	27,495	26,356	32,273	27,313	43,239	85,724	83,872	40,262	22,772	13,213	14,000	25,133	27,495	26,356	32,273	27,313	43,239	85,724
231,124	165,963	148,730	140,145	140,144	212,525	347,330	583,149	870,219	859,426	499,360	326,041	223,447	162,966	143,000	140,145	140,145	212,525	347,330	583,149	870,219
\$9.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.06	\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03
\$1,385,150	\$983,760	\$507,887	\$505,200	\$506,941	\$1,206,053	\$2,426,442	\$3,283,423	\$4,003,897	\$3,959,569	\$3,011,315	\$2,207,793	\$1,426,940	\$1,011,132	\$592,439	\$509,094	\$544,257	\$1,327,690	\$2,172,970	\$3,388,032	\$4,388,032
233	202	191	166	156	213	197	193	206	204	205	198	203	202	191	186	166	213	197	193	206
13,031	9,866	8,644	10,451	8,391	11,673	22,672	29,514	41,246	32,307	31,649	19,555	13,051	9,866	8,644	10,451	8,391	11,673	22,672	29,514	41,246
4,815	4,762	5,725	6,593	8,044	7,830	19,249	27,039	71,528	47,445	28,619	7,919	4,816	4,762	5,725	6,593	8,044	7,830	19,249	27,039	71,528
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17,927	14,658	10,870	17,650	18,435	19,803	41,300	56,563	116,111	80,362	59,592	28,584	17,227	12,628	10,600	17,650	18,435	19,803	41,300	56,563	116,111
\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03
\$108,101	\$89,549	\$64,412	\$103,877	\$100,225	\$119,648	\$254,165	\$342,916	\$704,048	\$484,966	\$333,343	\$147,670	\$111,268	\$91,158	\$86,211	\$107,894	\$104,067	\$124,167	\$395,522	\$558,203	\$1,168,203
1,632	1,575	1,666	1,574	1,585	1,571	1,548	1,568	1,580	1,531	1,578	1,571	1,532	1,575	1,585	1,574	1,588	1,571	1,546	1,566	1,556
38,739	23,187	21,251	16,685	20,576	31,281	63,457	103,764	122,662	123,484	94,781	70,808	37,176	22,168	20,289	17,872	18,683	30,018	60,883	98,795	136,795
6,491	3,142	1,274	3,853	2,410	9,799	14,476	30,520	42,337	37,763	21,906	10,924	4,229	3,003	1,216	5,781	2,325	8,400	12,912	26,141	41,141
44,230	26,325	22,527	22,552	22,952	41,952	77,933	134,284	164,890	161,247	116,695	62,732	42,434	25,226	21,824	21,552	25,415	44,915	74,915	124,935	187,935
\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10	\$6.06	\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03	\$6.03
\$270,549	\$168,945	\$137,023	\$128,061	\$140,177	\$250,592	\$472,552	\$912,507	\$939,959	\$972,046	\$703,743	\$462,407	\$269,730	\$150,652	\$135,509	\$137,150	\$139,271	\$249,073	\$474,383	\$810,678	\$1,160,678
4	2	2	2	3	4	4	4	3	3	3	3	4	2	2	2	3	4	4	4	4
59	47	42	30	2,228	1,655	5,732	4,839	1,917	1,547	1,629	690	59	47	42	30	2,228	1,655	5,732	4,839	1,917
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	47	42	30	2,228	1,655	5,732	4,839	1,917	1,547	1,629	690	59	47	42	30	2,228	1,655	5,732	4,839	1,917
\$4.75	\$4.75	\$4.76	\$4.82	\$4.80	\$4.82	\$4.78	\$4.78	\$4.78	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75
\$240	\$225	\$200	\$146	\$155,844	\$3,017	\$27,405	\$23,193	\$2,165	\$3,244	\$7,737	\$3,250	\$291	\$284	\$207	\$163,303	\$8,426	\$26,462	\$26,462	\$24,024	\$24,024
8	8	8	10	7	9	8	8	7	7	6	7	8	8	8	10	7	9	8	8	8
16,785	12,939	12,283	16,789	17,104	16,778	19,650	21,764	12,876	11,922	11,499	12,842	16,785	12,939	12,283	16,789	17,104	16,778	19,650	21,764	12,876
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18,785	12,939	12,283	16,789	17,104	16,778	19,650	21,764	12,876	11,922	11,499	12,842	16,785	12,939	12,283	16,789	17,104	16,778	19,650	21,764	12,876
\$4.75	\$4.75	\$4.76	\$4.82	\$4.82	\$4.82	\$4.78	\$4.78	\$4.78	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75
\$79,759	\$66,814	\$58,143	\$70,937	\$82,387	\$80,737	\$94,999	\$141,693	\$91,559	\$66,922	\$54,592	\$60,564	\$82,785	\$61,845	\$50,320	\$79,662	\$86,987	\$84,750	\$98,680	\$147,159	\$147,159
121	121	122	122	123	122	122	123	120	121	121	121	121	121	122	122	122	122	122	122	123
\$5,020	\$5,020	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
\$5,020	\$5,020	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
\$163	\$126	\$82	\$45	\$57	\$72	\$88	\$224	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$88	\$224	\$346
34,117	33,895	33,140	33,565	34,156	35,878	36,384	36,353	35,814	35,664	35,325	35,031	34,117	33,895	33,140	33,565	34,156	35,878	36,384	36,353	35,814
393,840	342,748	323,935	301,070	344,766	482,984	472,713	478,710	539,109	436,897	415,732	380,718	363,940	342,748	323,935	301,070	344,766	482,984	472,713	478,710	539,109
40,686	40,785	35,750	47,363	45,579	51,703	76,987	83,463	91,878	73,658	60,615	49,909	49,536	40,785	35,750	47,363	45,579	51,703	76,987	83,463	91,878
438,665	417,478	390,426	432,028	426,219	520,953	559,704	562,173	631,087	510,755	476,347	428,653	387,880	360,533	329,676	390,426	432,028	426,219	520,953	559,704	562,173
87	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300
\$2,700	\$2,675	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625
\$420	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429	\$429
394,969	380,227	361,589	351,407	379,899	440,695	492,468	424,668	446,777	423,495	391,729	372,011	394,969	380,227	361,589	351,407	379,899	440,695	492,468	424,668	424,668

ATMOS ENERGY CORPORATION - KENTUCKY
VOLUME AND CONTRACT ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS													0		\$14.28	\$0
3	Sales: 1-300	4,083	3,409	1,123	203	75	74	37	42	40	136	1,035	2,372		12,627	1.1000	13,890
4	Sales: 301-15000	(4,083)	(3,409)	(1,123)	(203)	(75)	(74)	(37)	(42)	(40)	(136)	(1,035)	(2,372)		(12,627)	0.7700	(9,723)
5	Sales: Over 15000						0								0	0.5000	0
6	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$4,167
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS															35.70	\$0
10	Sales: 1-300															1.1000	0
11	Sales: 301-15000															0.7700	0
12	Sales: Over 15000															0.5000	0
13	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
14																	
15	<u>FIRM INDUSTRIAL (Rate G-1)</u>																
16	FIRM BILLS	0	0	1	1	1	1	2	2	2	2	1	1	14		35.70	\$500
17	Sales: 1-300	0	(47)	102	26	(4)	(5)	0	300	300	367	202	300		1,541	1.1000	1,695
18	Sales: 301-15000	(3,143)	(2,495)	(932)	(693)	(322)	(168)	0	87	86	0	0	227		(7,353)	0.7700	(5,662)
19	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
20	CLASS TOTAL (Mcf/month)	(3,143)	(2,542)	(830)	(667)	(326)	(173)	0	387	386	367	202	527	14	(5,812)		(\$3,467)
21																	
22																	
23	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
24	FIRM BILLS													0		35.70	\$0
25	Sales: 1-300														0	1.1000	0
26	Sales: 301-15000														0	0.7700	0
27	Sales: Over 15000														0	0.5000	0
28	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
29																	
30	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>																
31	INT BILLS													0		344.07	\$0
32	Sales: 1-15000														0	0.6870	0
33	Sales: Over 15000														0	0.4670	0
34	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
35																	
36	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>																
37	INT BILLS	(2)	(2)	(2)	(2)	(1)	0	0	0	0	0	0	0	(9)		344.07	(\$3,097)
38	Sales: 1-15000	0	0	(540)	(493)	(5)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	0		(91,038)	0.6870	(62,543)
39	Sales: Over 15000	0	0	0	0	0	(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)	0		(239,420)	0.4670	(111,809)
40	CLASS TOTAL (Mcf/month)	0	0	(540)	(493)	(5)	(29,373)	(64,146)	(67,245)	(69,086)	(69,136)	(30,434)	0	(9)	(330,458)		(\$177,449)

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TRANSPORTATION (T-4)

TRANSPORTATION BILLS	1	1	0	0	0	0	(1)	(1)	(1)	(2)	(1)	(1)	(5)	328.33	(\$1,642)
Trans Admin Fee	\$50	\$50	\$0	\$0	\$0	\$0	(\$50)	(\$50)	(\$50)	(\$100)	(\$50)	(\$50)			(250)
EFM Fee	\$75	\$75	\$0	\$0	\$0	\$0	(\$75)	(\$75)	(\$75)	(\$150)	(\$75)	(\$75)			(375)
Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
Firm Transport: 1-300	300	347	198	274	304	305	8	0	0	(367)	(202)	(300)	867	1.1930	1,034
Firm Transport: 301-15000	17,843	17,195	15,632	15,393	15,022	14,868	14,700	14,613	14,614	14,570	2,987	(227)	157,210	0.8351	131,286
Firm Transport: Over 1500	35,000	30,900	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590	232,590	0.5423	126,134
CLASS TOTAL (Mc/month)	53,143	47,542	40,830	35,667	30,326	30,173	29,708	29,613	29,614	34,203	27,785	2,063	(5)	390,667	\$256,187

TRANSPORTATION (T-3)

TRANSPORTATION BILLS	2	2	2	2	1	0	0	0	0	0	0	0	9	329.24	\$2,963
Trans Admin Fee	\$100	\$100	\$100	\$100	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0			450
EFM Fee	\$150	\$150	\$150	\$150	\$75	\$0	\$0	\$0	\$0	\$0	\$0	\$0			675
Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
Interrupt Transport: 1-15000	2,000	2,000	2,540	2,493	5	2,000	0	0	2,000	1,422	0	0	14,460	0.6822	9,865
Interrupt Transport: Over 15000	0	0	0	0	2,000	0	0	0	0	578	2,000	2,000	6,578	0.4440	2,921
CLASS TOTAL (Mc/month)	2,000	2,000	2,540	2,493	2,005	2,000	0	0	2,000	2,000	2,000	2,000	9	21,038	\$16,873

SPECIAL CONTRACTS

TRANSPORTATION BILLS	0	0	0	0	0	0	0	0	0	0	0	0	0	300.00	\$0
Trans Admin Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
EFM Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			0
Transported Volumes	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	90,000	Various	
Charges for Transport Volumes	\$1,200	\$1,200	\$1,200	\$1,200	(\$3,700)	(\$200)	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200			8,100
CLASS TOTAL (Mc/month)	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	0	90,000	\$8,100

67,000 62,000 57,000 52,000 (23,000) (2,373) (19,438) (22,245) (22,086) (17,566) 14,553 19,590 9 166,435 0 104,412

Pro Forma Adjustments for KY Handbill Customers

Premise	Customer	Comment	Service	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
104738	Customer A	Contr Ch (G2 to T3) 5/1/12	G-2 Ind Sales	0	0	(540)	(492)								
		G-2 Bill		(1)	(1)	(1)	(1)								
		G-2 0-15000 Mcf/mo		0	0	(540)	(492)								
		G-2 > 15000 Mcf/mo		0	0	0	0								
104738	Customer A	Contr Ch (G2 to T3) 5/1/12	T-3 Transp	0	0	540	492								
		T-3 Bill		1	1	1	1								
		T-3 0-15000 Mcf/mo		0	0	540	492								
		T-3 > 15000 Mcf/mo		0	0	0	0								
403495	Customer B	Contr Ch (G2 to T3) 5/1/12	G-2 Ind Sales	0	0	0	(1)	(5)							
		G-2 Bill		(1)	(1)	(1)	(1)	(1)							
		G-2 0-15000 Mcf/mo		0	0	0	(1)	(5)							
		G-2 > 15000 Mcf/mo		0	0	0	0	0							
403495	Customer B	Contr Ch (G2 to T3) 5/1/12	T-3 Transp	0	0	0	1	5							
		T-3 Bill		1	1	1	1	1							
		T-3 0-15000 Mcf/mo		0	0	0	1	5							
		T-3 > 15000 Mcf/mo		0	0	0	0	0							
413573	Customer C	Annualize New Customer	T-4 Carriage	50,000	45,000	40,000	35,000	30,000	30,000	30,000	30,000	30,000	34,570	27,987	2,590
		T-4 Bill		1	1	1	1	1	1	1	1	1			
		T-4 0-300 Mcf/mo		300	300	300	300	300	300	300	300	300			
		T-4 301-15000 Mcf/mo		14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,570	2,987	
		T-4 > 15000 Mcf/mo		35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590
123345	Customer D	Contr Ch (G1 to T4) 3/1/12	G-1 Ind Sales	(1,568)	(562)										
		G-1 Bill		(1)	(1)										
		G-1 0-300 Mcf/mo		(300)	(300)										
		G-1 301-15000 Mcf/mo		(1,268)	(262)										
		G-1 > 15000 Mcf/mo													
123345	Customer D	Contr Ch (G1 to T4) 3/1/12	T-4 Transp	1,568	562										
		T-4 Bill		1	1										
		T-4 0-300 Mcf/mo		300	300										
		T-4 301-15000 Mcf/mo		1,268	262										
		T-4 > 15000 Mcf/mo													
177367	Customer E	Contr Ch (T4 to G1) 11/1/12	T-4 Transp	(397)	(301)	(368)	(328)	(292)	(291)	0	(387)	(386)	(286)		
		T-4 Bill		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
		T-4 0-300 Mcf/mo		(300)	(300)	(300)	(300)	(292)	(291)	(291)	(300)	(300)	(286)		
		T-4 301-15000 Mcf/mo		(97)	(1)	(68)	(28)	0	0	0	(87)	(86)	0		
		T-4 > 15000 Mcf/mo													
177367	Customer E	Contr Ch (T4 to G1) 11/1/12	G-1 Ind Sales	397	301	368	328	292	291	0	387	386	286		
		G-1 Bill		1	1	1	1	1	1	1	1	1	1		
		G-1 0-300 Mcf/mo		300	300	300	300	292	291	0	300	300	286		
		G-1 301-15000 Mcf/mo		97	1	68	28	0	0	0	87	86	0		
		G-1 > 15000 Mcf/mo													
177367	Customer F	Contr Ch (T4 to G1) 2013	T-4 Transp	(403)	(253)	(102)	(26)	(4)	(4)	0	0	0	(81)	(202)	(527)
		T-4 Bill		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
		T-4 0-300 Mcf/mo		(300)	(253)	(102)	(26)	(4)	(4)	(1)	0	0	(81)	(202)	(300)
		T-4 301-15000 Mcf/mo		(103)	0	0	0	0	0	0	0	0	0	0	(227)
		T-4 > 15000 Mcf/mo													

Pro Forma Adjustments for KY Handbill Customers

177367	Customer F	Contr Ch (T4 to G1)	2013	G-1 Ind Sales	403	253	102	26	4	4	0	0	0	81	202	527	
		G-1 Bill			1	1	1	1	1	1	1	1	1	1	1	1	
		G-1 0-300 Mcf/mo			300	253	102	26	4	4	0	0	0	81	202	300	
		G-1 301-15000 Mcf/mo			103	0	0	0	0	0	0	0	0	0	0	227	
		G-1 > 15000 Mcf/mo															
123345	Customer G	Contr Ch (G1 to T4)	3/1/12	G-1 Ind Sales	(2,375)	(2,534)	(1,300)	(1,021)	(622)	(458)							
		G-1 Bill			(1)	(1)	(1)	(1)	(1)	(1)							
		G-1 0-300 Mcf/mo			(300)	(300)	(300)	(300)	(300)	(300)							
		G-1 301-15000 Mcf/mo			(2,075)	(2,234)	(1,000)	(721)	(322)	(168)							
		G-1 > 15000 Mcf/mo															
123345	Customer G	Contr Ch (G1 to T4)	3/1/12	T-4 Transp	2,375	2,534	1,300	1,021	622	458							
		T-4 Bill			1	1	1	1	1	1							
		T-4 0-300 Mcf/mo			300	300	300	300	300	300							
		T-4 301-15000 Mcf/mo			2,075	2,234	1,000	721	322	168							
		T-4 > 15000 Mcf/mo															
170395	Customer H	Added load		Sp Contract	10,000	10,000	10,000	10,000	(60,000)	(10,000)	10,000	10,000	10,000	10,000	10,000	10,000	
		Sp K Volumes			10,000	10,000	10,000	10,000	(60,000)	(10,000)	10,000	10,000	10,000	10,000	10,000	10,000	
		Sp K Rate															
		Sp K Distr. Charge															
403494	Customer I	Increased load		T-3 Carriage	2,000	2,000	2,000	2,000	2,000	2,000	0	0	2,000	2,000	2,000	2,000	
		T-3 Bill															
		T-3 0-15000 Mcf/mo			2,000	2,000	2,000	2,000	0	2,000	0	0	2,000	1,422	0	0	
		T-3 > 15000 Mcf/mo			0	0	0	0	2,000	0	0	0	0	578	2,000	2,000	
170395	Customer J	Increased load		Sp Contract	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
		Sp K Volumes			5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
		Sp K Rate															
		Sp K Distr. Charge															
316087	Customer K	Increased load		Sp Contract	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
		Sp K Volumes			5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
		Sp K Rate															
		Sp K Distr. Charge															
177357	Customer L	Reduced load		G-2 Ind Sales					(29,373)	(64,146)	(67,245)	(69,086)	(69,136)	(30,434)			
		G-2 Bill															
		G-2 0-15000 Mcf/mo							(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)			
		G-2 > 15000 Mcf/mo							(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)			

Pro Forma Adjustments for KY Handbill Customers

233461	Customer M	Reduced load	Sp Contract	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)
		Sp K Volumes		(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)
		Sp K Rate												
		Sp K Distr. Charge												

SUMMARY														
G-1 Ind Sales Bill	0	0	1	1	1	1	2	2	2	2	1	1		14
G-1 0-300 Mcf/mo	0	(47)	102	26	(4)	(5)	0	300	300	367	202	300		1,541
G-1 301-15000 Mcf/mo	(3,143)	(2,495)	(932)	(693)	(322)	(168)	0	87	86	0	0	227		(7,353)
G-1 > 15000 Mcf/mo	0	0	0	0	0	0	0	0	0	0	0	0		0
G-2 Ind Int Sales Bill	(2)	(2)	(2)	(2)	(1)	0	0	0	0	0	0	0		(9)
G-2 0-15000 Mcf/mo	0	0	(540)	(493)	(5)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	0		(91,038)
G-2 > 15000 Mcf/mo	0	0	0	0	0	(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)	0		(239,420)
T-4 Bill	1	1	0	0	0	0	(1)	(1)	(1)	(2)	(1)	(1)		(5)
T-4 0-300 Mcf/mo	300	347	198	274	304	305	8	0	0	(367)	(202)	(300)		867
T-4 301-15000 Mcf/mo	17,843	17,195	15,632	15,393	15,022	14,868	14,700	14,613	14,614	14,570	2,987	(227)		157,210
T-4 > 15000 Mcf/mo	35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590		232,590
T-3 Bill	2	2	2	2	1	0	0	0	0	0	0	0		9
T-3 0-15000 Mcf/mo	2,000	2,000	2,540	2,493	5	2,000	0	0	2,000	1,422	0	0		14,460
T-3 > 15000 Mcf/mo	0	0	0	0	2,000	0	0	0	0	578	2,000	2,000		6,578
Sp K Bills	0	0	0	0	0	0	0	0	0	0	0	0		0
Sp K Volumes	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000		90,000
Sp K Distr. Charge	1,200	1,200	1,200	1,200	(3,700)	(200)	1,200	1,200	1,200	1,200	1,200	1,200		8,100
G-1 C/PA/Ind Bill	0	0	1	1	1	1	2	2	2	2	1	1		14
G-2 Int Sales Bill	(2)	(2)	(2)	(2)	(1)	0	0	0	0	0	0	0		(9)
T-4/T-3 Bill	3	3	2	2	1	0	(1)	(1)	(1)	(2)	(1)	(1)		4
Sp K Bills	0	0	0	0	0	0	0	0	0	0	0	0		0
G-1 0-300 Mcf/mo	0	(47)	102	26	(4)	(5)	0	300	300	367	202	300		1,541
G-1 301-15000 Mcf/mo	(3,143)	(2,495)	(932)	(693)	(322)	(168)	0	87	86	0	0	227		(7,353)
G-1 > 15000 Mcf/mo	0	0	0	0	0	0	0	0	0	0	0	0		0
G-2 0-15000 Mcf/mo	0	0	(540)	(493)	(5)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	0		(91,038)
G-2 > 15000 Mcf/mo	0	0	0	0	0	(14,373)	(49,146)	(52,245)	(54,086)	(54,136)	(15,434)	0		(239,420)
T-4 0-300 Mcf/mo	300	347	198	274	304	305	8	0	0	(367)	(202)	(300)		867
T-4 301-15000 Mcf/mo	17,843	17,195	15,632	15,393	15,022	14,868	14,700	14,613	14,614	14,570	2,987	(227)		157,210
T-4 > 15000 Mcf/mo	35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590		232,590
T-3 0-15000 Mcf/mo	2,000	2,000	2,540	2,493	5	2,000	0	0	2,000	1,422	0	0		14,460

Pro Forma Adjustments for KY Handbill Customers

T-3 > 15000 Mct/mo	0	0	0	0	2,000	0	0	0	0	578	2,000	2,000	6,578
Sp K Volumes	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	90,000
	67,000	62,000	57,000	52,000	(23,000)	(2,373)	(19,438)	(22,245)	(22,086)	(17,566)	14,553	19,590	165,435
EFM - T3	2	2	2	2	1	0	0	0	0	0	0	0	
EFM - T4	1	1	0	0	0	0	(1)	(1)	(1)	(2)	(1)	(1)	
EFM -Sp K													

	Commodity Charge	54,637	50,219	49,929	47,592	54,918	49,049	49,252	49,587	47,279	48,797	48,161	49,745	599,266
	Trans Admin Fee	475	475	475	475	475	475	475	450	450	450	450	450	5,575
	EFM Facility Fee	425	425	425	425	425	425	425	450	450	450	450	450	5,225
	Parking Fee	281	551	579	1,004	986	1,045	928	954	1,221	585	819	847	9,979
KYT4T3 Negot	Customer Charge	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	14,400
	Commodity Charge	40,812	37,344	32,823	38,198	31,751	33,528	29,175	34,749	29,775	31,642	30,526	34,401	402,723
	Trans Admin Fee	200	200	200	200	200	200	200	200	200	200	200	200	2,400
	EFM Facility Fee	300	300	300	300	300	300	300	300	300	300	300	300	3,600
KY-POOL-TG	Parking Fee Pooling	7,396	13,061	8,676	7,801	5,259	9,575	5,271	4,701	2,647	751	4,121	6,885	76,544
KY-POOL-TGP	Parking Fee Pooling	1,154	1,033	739	716	245	440	648	794	542	244	187	409	7,100
KY-POOL-TL	Parking Fee Pooling	37		11	33		27	30	33	6	27	-		205
Grand Total		1,127,235	1,052,895	930,324	871,597	885,660	843,855	797,710	854,715	829,746	1,006,327	1,053,489	1,055,527	11,309,180

ATMOS ENERGY CORPORATION - KENTUCKY
SERVICE CHARGES
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Rate	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	
1	Meter Sets																						
2	Regular Hours	\$34.00	534	771	652	692	741	707	609	764	1,091	2,268	1,828	961	534	771	652	692	741	707	609	764	1,091
3	After Hours	\$44.00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4	TOTAL Billed Orders		534	771	652	692	741	707	609	764	1,091	2,269	1,828	961	534	771	652	692	741	707	609	764	1,091
5	TOTAL Revenue		\$18,156	\$28,214	\$22,168	\$23,528	\$26,194	\$24,036	\$20,706	\$25,976	\$37,094	\$77,156	\$62,152	\$33,354	\$18,156	\$28,214	\$22,168	\$23,528	\$26,194	\$24,036	\$20,706	\$25,976	\$37,094
6	Turn-on																						
7	Regular Hours	\$23.00	484	236	104	71	60	69	106	194	196	400	358	236	484	236	104	71	60	69	106	194	196
8	After Hours	\$28.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	TOTAL Billed Orders		484	236	104	71	60	69	106	194	196	400	358	236	484	236	104	71	60	69	106	194	196
10	TOTAL Revenue		\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200	\$8,234	\$5,474	\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508
11	Road																						
12	Regular Hours	\$12.00	1,740	1,676	1,420	1,301	1,383	1,456	1,329	1,601	1,349	1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,383	1,456	1,329	1,601	1,349
13	After Hours	\$14.00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
14	TOTAL Billed Orders		1,740	1,676	1,420	1,301	1,384	1,456	1,329	1,601	1,349	1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,384	1,456	1,329	1,601	1,349
15	TOTAL Revenue		\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,948	\$19,212	\$18,189	\$18,288	\$20,892	\$18,240	\$20,890	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,948	\$19,212	\$18,189
16	Reconnect Delinquent Service																						
17	Regular Hours	\$39.00	131	81	60	43	39	40	44	37	59	163	109	40	131	81	60	43	39	40	44	37	59
18	After Hours	\$47.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	TOTAL Billed Orders		131	81	60	43	39	40	44	37	59	163	109	40	131	81	60	43	39	40	44	37	59
20	TOTAL Revenue		\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$6,357	\$4,251	\$1,560	\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301
21	Seasonal Charge																						
22	Regular Hours	\$85.00	6	1	3	2	1	0	1	5	20	147	75	19	6	1	3	2	1	0	1	5	20
23	After Hours	\$73.00	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	2	0	0
24	TOTAL Billed Orders		6	1	3	2	1	1	3	5	20	147	75	19	6	1	3	2	1	1	3	5	20
25	TOTAL Revenue		\$390	\$85	\$195	\$130	\$85	\$73	\$211	\$325	\$1,300	\$9,555	\$4,875	\$1,236	\$390	\$85	\$195	\$130	\$85	\$73	\$211	\$325	\$1,300
26	Meter Test Charge																						
27	Regular Hours	\$20.00	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2
28	After Hours	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	TOTAL Billed Orders		0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2
30	TOTAL Revenue		\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$120	\$165	\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$120
31	Return Check Charge																						
32	Regular Hours	\$25.00	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135
33	After Hours	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	TOTAL Billed Orders		250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135
35	TOTAL Revenue		\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075	\$4,400	\$4,450	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375
36	SUBTOTAL - OTHER OPERATING REVENUE		\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,645	\$44,569	\$56,408	\$64,896	\$124,626	\$104,899	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,645	\$44,569	\$56,408	\$64,896
37	Late Payment Fee																						
38	Rate		\$194,991	\$173,849	\$132,347	\$98,411	\$54,786	\$40,634	\$37,226	\$37,513	\$37,609	\$50,714	\$83,004	\$131,354	\$161,288	\$162,110	\$123,852	\$92,543	\$64,394	\$45,969	\$42,207	\$42,192	\$42,377
39	TOTAL Revenue		\$246,908	\$234,602	\$181,567	\$146,981	\$104,601	\$89,479	\$92,297	\$93,921	\$102,605	\$175,540	\$188,003	\$195,797	\$223,295	\$222,863	\$173,662	\$140,113	\$114,209	\$94,804	\$66,776	\$68,600	\$107,273

Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
(x)	(y)	(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)	(ah)	(ai)	(aj)	(ak)	(al)	(am)	(an)	(ao)	(ap)	(aq)	(ar)	(as)	(at)	(au)	(av)
2,268	1,828	981	534	771	652	692	741	707	609	764	1,091	2,268	1,828	981	534	771	652	692	741	707	609	764	1,091	2,268
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2,269	1,828	981	534	771	652	692	741	707	609	764	1,091	2,269	1,828	981	534	771	652	692	741	707	609	764	1,091	2,269
\$77,156	\$62,152	\$33,354	\$18,156	\$26,214	\$22,168	\$23,526	\$25,194	\$24,036	\$20,706	\$25,976	\$37,094	\$77,156	\$62,152	\$33,354	\$18,156	\$26,214	\$22,168	\$23,526	\$25,194	\$24,036	\$20,706	\$25,976	\$37,094	\$77,156
400	358	238	484	236	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196	400
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	358	238	484	236	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196	400
\$9,200	\$8,224	\$5,474	\$11,132	\$5,426	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200	\$8,224	\$5,474	\$11,132	\$5,426	\$2,392	\$1,633	\$1,380	\$1,587	\$2,433	\$4,462	\$4,508	\$9,200
1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524
\$18,286	\$20,892	\$18,240	\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,948	\$19,212	\$16,188	\$18,286	\$20,892	\$18,240	\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,948	\$19,212	\$16,188	\$18,286
163	109	40	131	61	60	43	39	40	44	37	59	163	109	40	131	61	60	43	39	40	44	37	59	163
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	109	40	131	61	60	43	39	40	44	37	59	163	109	40	131	61	60	43	39	40	44	37	59	163
\$6,357	\$4,251	\$1,560	\$5,109	\$3,189	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,442	\$2,301	\$6,357	\$4,251	\$1,560	\$5,109	\$3,189	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,442	\$2,301	\$6,357
147	75	19	6	1	3	2	1	0	1	5	20	147	75	19	6	1	3	2	1	0	1	5	20	147
0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	1	2	0	0	0
147	75	19	6	1	3	2	1	0	1	5	20	147	75	19	6	1	3	2	1	0	1	5	20	147
\$9,555	\$4,675	\$1,235	\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,555	\$4,675	\$1,235	\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,555
3	3	2	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	2	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2	3
\$195	\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$66	\$130	\$195	\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130	\$195
163	176	178	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135	163
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	176	178	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135	163
\$4,075	\$4,400	\$4,450	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075	\$4,400	\$4,450	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075
\$124,826	\$104,999	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,826	\$104,999	\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$49,846	\$44,568	\$56,406	\$64,896	\$124,826
\$59,687	\$94,038	\$146,365	\$180,463	\$176,810	\$134,462	\$99,838	\$63,821	\$45,620	\$41,813	\$41,858	\$42,037	\$59,687	\$94,038	\$146,365	\$180,462	\$176,145	\$133,968	\$99,482	\$63,218	\$45,264	\$41,805	\$41,552	\$41,727	\$58,554
\$184,513	\$199,037	\$210,808	\$242,390	\$237,563	\$183,672	\$147,408	\$113,636	\$94,465	\$96,482	\$99,286	\$106,933	\$184,513	\$199,037	\$210,808	\$242,389	\$236,896	\$183,178	\$147,052	\$113,033	\$94,109	\$86,174	\$87,960	\$106,623	\$183,380

Nov-15 (aw)	Dec-15 (ax)	Jan-16 (ay)	Feb-16 (az)	Mar-16 (ba)	Apr-16 (bb)	May-16 (bc)	Jun-16 (bd)	Jul-16 (be)	Aug-16 (bf)	Sep-16 (bg)	Oct-16 (bh)	Nov-16 (bi)	Dec-16 (bj)	Jan-17 (bk)	Feb-17 (bl)	Mar-17 (bm)	Apr-17 (bn)	May-17 (bo)	Jun-17 (bp)	Jul-17 (bq)	Aug-17 (br)	Sep-17 (bs)	Oct-17 (bt)	Nov-17 (bu)	Dec-17 (bv)
1,828	981	534	771	652	692	741	707	609	764	1,091	2,268	1,828	981	534	771	652	692	741	707	609	764	1,091	2,268	1,828	981
0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1,828	981	534	771	652	692	741	707	609	764	1,091	2,269	1,828	981	534	771	652	692	741	707	609	764	1,091	2,269	1,828	981
\$62,152	\$33,354	\$18,156	\$26,214	\$22,168	\$23,528	\$25,194	\$24,038	\$20,706	\$25,976	\$37,094	\$77,156	\$62,152	\$33,354	\$18,156	\$26,214	\$22,168	\$23,528	\$25,194	\$24,038	\$20,706	\$25,976	\$37,094	\$77,156	\$62,152	\$33,354
358	238	484	236	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196	400	358	238
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
358	238	484	236	104	71	60	69	106	194	196	400	358	238	484	236	104	71	60	69	106	194	196	400	358	238
\$9,234	\$5,474	\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200	\$9,234	\$5,474	\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200	\$9,234	\$5,474
1,741	1,520	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524	1,741	1,520
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
1,741	1,520	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524	1,741	1,520	1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524	1,741	1,520
\$20,892	\$18,240	\$20,880	\$20,112	\$17,640	\$15,812	\$16,730	\$17,472	\$15,948	\$19,212	\$16,188	\$16,266	\$20,892	\$18,240	\$20,880	\$20,112	\$17,640	\$15,812	\$16,730	\$17,472	\$15,948	\$19,212	\$16,188	\$18,286	\$20,892	\$18,240
109	40	131	81	60	43	39	40	44	37	59	163	109	40	131	81	60	43	39	40	44	37	59	163	109	40
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	40	131	81	60	43	39	40	44	37	59	163	109	40	131	81	60	43	39	40	44	37	59	163	109	40
\$4,251	\$1,560	\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$6,357	\$4,251	\$1,560	\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,443	\$2,301	\$6,357	\$4,251	\$1,560
75	19	6	1	3	2	1	0	1	5	20	147	75	19	6	1	3	2	1	0	1	5	20	147	75	19
0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
75	19	6	1	3	2	1	1	3	5	20	147	75	19	6	1	3	2	1	1	3	5	20	147	75	19
\$4,875	\$1,235	\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,555	\$4,875	\$1,235	\$390	\$65	\$195	\$130	\$65	\$73	\$211	\$325	\$1,300	\$9,555	\$4,875	\$1,235
3	2	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2	3	3	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2	0	0	0	1	0	1	0	1	2	3	3	2	0	0	0	1	0	1	0	1	2	3	3	2
\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130	\$195	\$195	\$130	\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130	\$195	\$195	\$130
176	178	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135	163	176	178
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	178	250	231	203	197	197	162	142	197	135	163	176	178	250	231	203	197	197	162	142	197	135	163	176	178
\$4,400	\$4,450	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075	\$4,400	\$4,450	\$6,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075	\$4,400	\$4,450
\$104,989	\$64,443	\$91,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,626	\$104,999	\$64,443	\$91,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,626	\$104,999	\$64,443
\$93,099	\$144,801	\$178,427	\$174,870	\$132,889	\$98,723	\$62,826	\$45,080	\$41,441	\$41,411	\$41,533	\$98,330	\$92,815	\$144,341	\$177,820	\$174,139	\$132,481	\$96,433	\$62,905	\$45,046	\$41,404	\$41,370	\$41,543	\$98,300	\$92,958	\$144,639
\$198,096	\$209,244	\$240,344	\$235,423	\$192,099	\$146,293	\$112,741	\$93,925	\$95,010	\$97,819	\$106,479	\$183,156	\$197,814	\$208,784	\$239,737	\$234,892	\$181,701	\$146,003	\$112,720	\$93,691	\$95,973	\$97,779	\$106,439	\$183,126	\$197,967	\$209,692

Jan-18 (dw)	Feb-18 (dx)	Mar-18 (dy)	Apr-18 (dz)	May-18 (ea)	Jun-18 (eb)	Jul-18 (ec)	Aug-18 (ed)	Sep-18 (ee)	Oct-18 (ef)	Nov-18 (eg)	Dec-18 (eh)
534	771	652	692	741	707	808	764	1,091	2,288	1,828	981
0	0	0	0	0	0	0	0	0	1	0	0
534	771	652	692	741	707	808	764	1,091	2,289	1,828	981
\$18,156	\$26,214	\$22,168	\$23,628	\$25,194	\$24,038	\$20,706	\$25,976	\$37,084	\$77,156	\$62,152	\$33,354
484	236	104	71	60	69	106	194	196	400	358	238
0	0	0	0	0	0	0	0	0	0	0	0
484	236	104	71	60	69	106	194	196	400	358	238
\$11,132	\$5,428	\$2,392	\$1,633	\$1,380	\$1,587	\$2,438	\$4,462	\$4,508	\$9,200	\$6,234	\$5,474
1,740	1,676	1,420	1,301	1,393	1,456	1,329	1,601	1,349	1,524	1,741	1,520
0	0	0	0	1	0	0	0	0	0	0	0
1,740	1,676	1,420	1,301	1,394	1,456	1,329	1,601	1,349	1,524	1,741	1,520
\$20,880	\$20,112	\$17,040	\$15,612	\$16,730	\$17,472	\$15,948	\$19,212	\$16,188	\$18,288	\$20,392	\$18,240
131	61	60	43	39	40	44	37	59	163	109	40
0	0	0	0	0	0	0	0	0	0	0	0
131	61	60	43	39	40	44	37	59	163	109	40
\$5,109	\$3,159	\$2,340	\$1,677	\$1,521	\$1,560	\$1,716	\$1,445	\$2,301	\$6,257	\$4,251	\$1,580
6	1	3	2	1	0	1	5	20	147	75	19
0	0	0	0	0	1	2	0	0	0	0	0
6	1	3	2	1	1	3	5	20	147	75	19
\$390	\$65	\$195	\$130	\$65	\$72	\$211	\$325	\$1,300	\$9,655	\$4,675	\$1,235
0	0	0	1	0	1	0	1	2	3	3	2
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	1	0	1	2	3	3	2
\$0	\$0	\$0	\$65	\$0	\$65	\$0	\$65	\$130	\$195	\$195	\$130
250	231	203	197	197	162	142	197	135	163	176	178
0	0	0	0	0	0	0	0	0	0	0	0
250	231	203	197	197	162	142	197	135	163	176	178
\$5,250	\$5,775	\$5,075	\$4,925	\$4,925	\$4,050	\$3,550	\$4,925	\$3,375	\$4,075	\$4,400	\$4,450
\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$46,845	\$44,669	\$55,408	\$64,686	\$124,826	\$104,398	\$64,443
\$178,181	\$174,127	\$132,469	\$98,400	\$63,215	\$45,184	\$41,519	\$41,626	\$41,805	\$58,843	\$94,442	\$147,227
\$240,086	\$234,860	\$181,679	\$145,970	\$113,030	\$94,039	\$86,038	\$98,034	\$106,701	\$183,658	\$199,441	\$211,670

ATMOS ENERGY CORPORATION - KENTUCKY
 WEATHER ADJUSTMENT - BASE NOAA 1981-2010
 TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS													0		\$14.28	\$0
3	Sales: 1-300	169,641	239,213	159,368	516,979	114,692	20,236	10,453	(10,454)	21,833	71,308	(36,448)	259,023		1,535,844	1.1000	1,689,428
4	Sales: 301-15000														0	0.7700	0
5	Sales: Over 15000														0	0.5000	0
6	<u>CLASS TOTAL (Mcf/month)</u>	<u>169,641</u>	<u>239,213</u>	<u>159,368</u>	<u>516,979</u>	<u>114,692</u>	<u>20,236</u>	<u>10,453</u>	<u>(10,454)</u>	<u>21,833</u>	<u>71,308</u>	<u>(36,448)</u>	<u>259,023</u>	<u>0</u>	<u>1,535,844</u>		<u>\$1,689,428</u>
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS													0		35.70	\$0
10	Sales: 1-300	17,722	36,469	48,868	179,479	64,329	12,478	13,783	(12,388)	(1,901)	3,779	18,323	85,297		466,238	1.1000	512,862
11	Sales: 301-15000	1,926	3,911	4,286	11,908	3,931	1,175	2,803	(4,198)	(1,523)	857	1,602	7,394		34,072	0.7700	26,235
12	Sales: Over 15000														0	0.5000	0
13	<u>CLASS TOTAL (Mcf/month)</u>	<u>19,648</u>	<u>40,380</u>	<u>53,154</u>	<u>191,387</u>	<u>68,260</u>	<u>13,653</u>	<u>16,586</u>	<u>(16,586)</u>	<u>(3,424)</u>	<u>4,636</u>	<u>19,925</u>	<u>92,691</u>	<u>0</u>	<u>500,310</u>		<u>\$539,097</u>
14																	
15	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
16	FIRM BILLS													0		35.70	\$0
17	Sales: 1-300	18,762	23,628	18,509	40,740	8,422	2,005	2,268	(1,962)	(2,382)	(3,477)	(1,866)	19,556		124,183	1.1000	136,601
18	Sales: 301-15000	6,494	7,226	4,278	6,228	1,412	272	134	(420)	(279)	(1,089)	(426)	5,709		29,539	0.7700	22,745
19	Sales: Over 15000														0	0.5000	0
20	<u>CLASS TOTAL (Mcf/month)</u>	<u>25,256</u>	<u>30,854</u>	<u>22,787</u>	<u>46,968</u>	<u>9,834</u>	<u>2,277</u>	<u>2,402</u>	<u>(2,402)</u>	<u>(2,661)</u>	<u>(4,566)</u>	<u>(2,292)</u>	<u>25,265</u>	<u>0</u>	<u>153,722</u>		<u>\$159,346</u>

Annual Customer Growth =
 Base Load Change =
 Annual Load Change =



**Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 Reference Period Ended DECEMBER 31, 2012**

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volume (I)	Weather Adjustment	Normal HDDs (l)	Normalized Including Unbilled (m)	Normalized Including Unbilled (l)	Actual Ddays	Weighted Volumes per DDAYS	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(l)				
<u>Public Authority - Class 4 Rate 1</u>																	
1	Jan-12	774	927	0.1203	111.5499	17.5160	129.0659	1,580	203,924	178,668	25,256	944	207,220	207,156	774	27,675	150,993
2	Feb-12	753	903	0.1203	108.6619	17.5160	126.1779	1,581	199,487	168,633	30,854	735	167,577	167,525	753	27,693	140,940
3	Mar-12	440	616	0.1203	74.1259	17.5160	91.6419	1,578	144,611	121,824	22,787	538	129,839	129,800	440	27,640	94,184
4	Apr-12	143	391	0.1203	47.0507	17.5160	64.5667	1,571	101,434	54,466	46,968	247	74,234	74,212	143	27,518	26,949
5	May-12	107	140	0.1203	16.8468	17.5160	34.3628	1,582	54,362	44,528	9,834	68	40,668	40,655	107	27,710	16,818
6	Jun-12	8	23	0.1203	2.7677	17.5160	20.2837	1,575	31,947	29,670	2,277	1	27,786	27,777	8	27,588	2,082
7	Jul-12	0	0	0.1203	0.0000	17.5160	17.5160	1,585	27,763	25,361	2,402	0	27,771	27,763	0	27,763	(2,402)
8	Aug-12	0	0	0.1203	0.0000	17.5160	17.5160	1,574	27,570	29,972	(2,402)	0	27,579	27,570	0	27,570	2,402
9	Sep-12	0	3	0.1203	0.3610	17.5160	17.8770	1,565	27,977	30,638	(2,661)	36	34,203	34,192	0	27,412	3,226
10	Oct-12	164	116	0.1203	13.9588	17.5160	31.4748	1,571	49,447	54,013	(4,566)	228	70,641	70,620	164	27,518	26,495
11	Nov-12	425	355	0.1203	42.7187	17.5160	60.2347	1,546	93,123	95,415	(2,292)	510	121,996	121,958	425	27,080	68,335
12	Dec-12	538	686	0.1203	82.5493	17.5160	100.0653	1,596	159,704	134,439	25,265	853	191,836	191,777	538	27,955	106,483
13																	
14	Total	3,352	4,160			17.5160		1,575	1,121,349	967,627	153,722	4,160	1,121,350	1,121,006	3,352	331,122	636,505
15	Average Usage / Customer								711.82	614.24				711.60			

Note 1 - Adjusted for volume and contract adjustments.

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2013
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal DDays	Normalized Including Unbilled	Normalized Including Unbilled
		Normal	X Coefficient										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-13	927		108,0548	16,8894	124,9442	1,580	197,412			944	200,604	200,543
2	Feb-13	903	0.1166	105,2572	16,8894	122,1466	1,581	193,114			735	162,203	162,153
3	Mar-13	616	0.1166	71,8034	16,8894	88,6928	1,578	139,957			538	125,649	125,610
4	Apr-13	391	0.1166	45,5765	16,8894	62,4659	1,571	98,134			247	71,786	71,764
5	May-13	140	0.1166	16,3190	16,8894	33,2084	1,582	52,536			68	39,271	39,258
6	Jun-13	23	0.1166	2,6810	16,8894	19,5704	1,575	30,823			1	26,793	26,784
7	Jul-13	0	0.1166	0,0000	16,8894	16,8894	1,585	26,770			0	26,778	26,770
8	Aug-13	0	0.1166	0,0000	16,8894	16,8894	1,574	26,584			0	26,592	26,584
9	Sep-13	3	0.1166	0,3497	16,8894	17,2391	1,565	26,979			36	33,009	32,999
10	Oct-13	116	0.1166	13,5214	16,8894	30,4108	1,571	47,775			228	68,306	68,285
11	Nov-13	355	0.1166	41,3802	16,8894	58,2696	1,546	90,085			510	118,053	118,017
12	Dec-13	686	0.1166	79,9629	16,8894	96,8523	1,596	154,576			853	185,701	185,644
13													
14	Total	4,160			16,8894		1,575	1,084,745	0	0	4,160	1,084,745	1,084,412
15	Average Usage / Customer							688.58	0.00				688.37
								0.00056					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2014
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized		Normalized Including Unbilled
		Normal DDays	X Coefficient			Usage per Customer	No. of Customers				Normal DDays	Including Unbilled	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-14	927		104.5596	16.2628	120.8224	1,580	190,899			944	193,989	193,929
2	Feb-14	903	0.1128	101.8525	16.2628	118.1153	1,581	186,740			735	156,830	156,781
3	Mar-14	616	0.1128	69.4808	16.2628	85.7436	1,578	135,303			538	121,458	121,420
4	Apr-14	391	0.1128	44.1023	16.2628	60.3651	1,571	94,834			247	69,338	69,317
5	May-14	140	0.1128	15.7911	16.2628	32.0539	1,582	50,709			68	37,873	37,862
6	Jun-14	23	0.1128	2.5943	16.2628	18.8571	1,575	29,700			1	25,799	25,792
7	Jul-14	0	0.1128	0.0000	16.2628	16.2628	1,585	25,777			0	25,784	25,777
8	Aug-14	0	0.1128	0.0000	16.2628	16.2628	1,574	25,598			0	25,606	25,598
9	Sep-14	3	0.1128	0.3384	16.2628	16.6012	1,565	25,981			36	31,816	31,806
10	Oct-14	116	0.1128	13.0840	16.2628	29.3468	1,571	46,104			228	65,970	65,950
11	Nov-14	355	0.1128	40.0417	16.2628	56.3045	1,546	87,047			510	114,111	114,075
12	Dec-14	686	0.1128	77.3763	16.2628	93.6391	1,596	149,448			853	179,566	179,511
13													
14	Total	4,160			16.2628		1,575	1,048,140	0	0	4,160	1,048,140	1,047,818
15	Average Usage / Customer						0	665.34	0.00				665.14
								(0.00008)					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2015
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged Normal		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal DDays	Normalized Including Unbilled	Normalized Including Unbilled
		DDays	X Coefficient										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-15	927		101.0644	15.6362	116.7006	1,580	184,387			944	187,373	187,315
2	Feb-15	903	0.1090	98.4478	15.6362	114.0840	1,581	180,367			735	151,456	151,409
3	Mar-15	616	0.1090	67.1582	15.6362	82.7944	1,578	130,650			538	117,267	117,231
4	Apr-15	391	0.1090	42.6280	15.6362	58.2642	1,571	91,533			247	66,890	66,869
5	May-15	140	0.1090	15.2632	15.6362	30.8994	1,582	48,883			68	36,476	36,465
6	Jun-15	23	0.1090	2.5075	15.6362	18.1437	1,575	28,576			1	24,806	24,799
7	Jul-15	0	0.1090	0.0000	15.6362	15.6362	1,585	24,783			0	24,791	24,783
8	Aug-15	0	0.1090	0.0000	15.6362	15.6362	1,574	24,611			0	24,619	24,611
9	Sep-15	3	0.1090	0.3271	15.6362	15.9633	1,565	24,985			36	30,622	30,613
10	Oct-15	116	0.1090	12.6467	15.6362	28.2829	1,571	44,432			228	63,635	63,615
11	Nov-15	355	0.1090	38.7032	15.6362	54.3394	1,546	84,009			510	110,168	110,134
12	Dec-15	686	0.1090	74.7898	15.6362	90.4260	1,596	144,320			853	173,431	173,378
13													
14	Total	<u>4,160</u>			15.6362		1,575	1,011,534	0	0	4,160	1,011,534	1,011,223
15	Average Usage / Customer							642.11	0.00				641.91
								(0.00071)					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2016
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal	Normalized	Normalized
		Normal DDays									Including DDays	Including Unbilled	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)	
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-16	927		97.5692	15.0096	112.5788	1,580	177,875			944	180,757	180,702
2	Feb-16	903	0.1053	95.0432	15.0096	110.0528	1,581	173,993			735	146,082	146,037
3	Mar-16	616	0.1053	64.8356	15.0096	79.8452	1,578	125,996			538	113,076	113,041
4	Apr-16	391	0.1053	41.1538	15.0096	56.1634	1,571	88,233			247	64,442	64,422
5	May-16	140	0.1053	14.7354	15.0096	29.7450	1,582	47,057			68	35,079	35,068
6	Jun-16	23	0.1053	2.4208	15.0096	17.4304	1,575	27,453			1	23,813	23,806
7	Jul-16	0	0.1053	0.0000	15.0096	15.0096	1,585	23,790			0	23,798	23,790
8	Aug-16	0	0.1053	0.0000	15.0096	15.0096	1,574	23,625			0	23,632	23,625
9	Sep-16	3	0.1053	0.3158	15.0096	15.3254	1,565	23,984			36	29,429	29,420
10	Oct-16	116	0.1053	12.2093	15.0096	27.2189	1,571	42,761			228	61,299	61,280
11	Nov-16	355	0.1053	37.3647	15.0096	52.3743	1,546	80,971			510	106,225	106,192
12	Dec-16	686	0.1053	72.2033	15.0096	87.2129	1,596	139,192			853	167,296	167,245
13													
14	Total	4,160			15.0096		1,575	974,930	0	0	4,160	974,928	974,629
15	Average Usage / Customer							618.87	0.00				618.68
								0.00056					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2017
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal DDays	Normalized Including Unbilled	Normalized Including Unbilled
		Normal DDays	X Coefficient										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-17	927		94.0744	14.3830	108.4574	1,580	171,363			944	174,142	174,088
2	Feb-17	903	0.1015	91.6388	14.3830	106.0218	1,581	167,620			735	140,709	140,666
3	Mar-17	616	0.1015	62.5133	14.3830	76.8963	1,578	121,342			538	108,885	108,851
4	Apr-17	391	0.1015	39.6797	14.3830	54.0627	1,571	84,933			247	61,994	61,975
5	May-17	140	0.1015	14.2076	14.3830	28.5906	1,582	45,230			68	33,681	33,671
6	Jun-17	23	0.1015	2.3341	14.3830	16.7171	1,575	26,329			1	22,820	22,813
7	Jul-17	0	0.1015	0.0000	14.3830	14.3830	1,585	22,797			0	22,804	22,797
8	Aug-17	0	0.1015	0.0000	14.3830	14.3830	1,574	22,639			0	22,646	22,639
9	Sep-17	3	0.1015	0.3044	14.3830	14.6874	1,565	22,986			36	28,236	28,227
10	Oct-17	116	0.1015	11.7720	14.3830	26.1550	1,571	41,090			228	58,964	58,946
11	Nov-17	355	0.1015	36.0263	14.3830	50.4093	1,546	77,933			510	102,283	102,251
12	Dec-17	686	0.1015	69.6170	14.3830	84.0000	1,596	134,064			853	161,162	161,112
13													
14	Total	4,160			14.3830		1,575	938,326	0	0	4,160	938,326	938,037
15	Average Usage / Customer							595.64	0.00				595.45
								0.00056					

Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 12 Months Ending December 2018
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal	Normalized	Normalized
		Normal DDays									Including DDays	Including Unbilled	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(l)	
Public Authority - Class 4 Rate 1													
1	Jan-18	927		90.5793	13.7564	104.3357	1,580	164,850			944	167,527	167,475
2	Feb-18	903	0.0977	88.2342	13.7564	101.9906	1,581	161,247			735	135,336	135,294
3	Mar-18	616	0.0977	60.1908	13.7564	73.9472	1,578	116,689			538	104,694	104,662
4	Apr-18	391	0.0977	38.2055	13.7564	51.9619	1,571	81,632			247	59,546	59,527
5	May-18	140	0.0977	13.6797	13.7564	27.4361	1,582	43,404			68	32,284	32,274
6	Jun-18	23	0.0977	2.2474	13.7564	16.0038	1,575	25,206			1	21,827	21,820
7	Jul-18	0	0.0977	0.0000	13.7564	13.7564	1,585	21,804			0	21,811	21,804
8	Aug-18	0	0.0977	0.0000	13.7564	13.7564	1,574	21,653			0	21,659	21,653
9	Sep-18	3	0.0977	0.2931	13.7564	14.0495	1,565	21,988			36	27,042	27,034
10	Oct-18	116	0.0977	11.3346	13.7564	25.0910	1,571	39,418			228	56,628	56,611
11	Nov-18	355	0.0977	34.6879	13.7564	48.4443	1,546	74,895			510	98,340	98,310
12	Dec-18	686	0.0977	67.0307	13.7564	80.7871	1,596	128,936			853	155,027	154,980
13													
14	Total	4,160			13.7564		1,575	901,722	0	0	4,160	901,721	901,443
15	Average Usage / Customer							572.40	0.00				572.22
								0.00056					

	Bill Freq		Vol/Contr		Total		Total	% A	Norm	A		B	
	A	B	A	B	A	B				A	B		
96	132,729	45,940	0	0	132,729	45,940	178,668	74.3%	203,924	151,491	52,433	18,762	6,493
89	129,140	39,493	0	0	129,140	39,493	168,633	76.6%	199,487	152,768	46,719	23,628	7,226
60	98,951	22,872	0	0	98,951	22,872	121,824	81.2%	144,611	117,460	27,151	18,509	4,279
17	47,244	7,222	0	0	47,244	7,222	54,466	86.7%	101,434	87,984	13,450	40,740	6,228
11	38,138	6,391	0	0	38,138	6,391	44,528	85.6%	54,362	46,560	7,802	8,422	1,411
1	26,129	3,541	0	0	26,129	3,541	29,670	88.1%	31,947	28,134	3,813	2,005	272
(2)	23,944	1,417	0	0	23,944	1,417	25,361	94.4%	27,763	26,212	1,551	2,268	134
2	24,738	5,233	0	0	24,738	5,233	29,972	82.5%	27,570	22,756	4,814	(1,982)	(419)
2	27,426	3,212	0	0	27,426	3,212	30,638	89.5%	27,977	25,044	2,933	(2,382)	(279)
17	41,133	12,880	0	0	41,133	12,880	54,013	76.2%	49,447	37,656	11,791	(3,477)	(1,089)
44	77,691	17,723	0	0	77,691	17,723	95,415	81.4%	93,123	75,825	17,298	(1,866)	(425)
67	104,054	30,384	0	0	104,054	30,384	134,439	77.4%	159,704	123,610	36,094	19,556	5,710
403	0.120334											124,183	29,541

Norm	A	B
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197,412	146,653	50,759
193,114	147,888	45,226
139,957	113,680	26,277
98,134	85,122	13,012
52,536	44,996	7,540
30,823	27,145	3,678
26,770	25,274	1,496
26,584	21,942	4,642
26,979	24,151	2,828
47,775	36,382	11,393
90,085	73,352	16,733
154,576	119,641	34,935

Norm	A	B
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190,899	141,815	49,084
186,740	143,006	43,734
135,303	109,900	25,403
94,834	82,260	12,574
50,709	43,431	7,278
29,700	26,156	3,544
25,777	24,337	1,440
25,598	21,128	4,470
25,981	23,257	2,724
46,104	35,110	10,994
87,047	70,878	16,169
149,448	115,671	33,777

Norm	A	B
	184,387	136,977
	180,367	138,126
	130,650	106,120
	91,533	79,396
	48,883	41,867
	28,576	25,166
	24,783	23,398
	24,611	20,314
	24,983	22,364
	44,432	33,837
	84,009	68,404
	144,320	111,702
		47,410
		42,241
		24,530
		12,137
		7,016
		3,410
		1,385
		4,297
		2,619
		10,595
		15,605
		32,618

Norm	A	B
177,875	132,139	45,736
173,993	133,245	40,748
125,996	102,340	23,656
88,233	76,534	11,699
47,057	40,303	6,754
27,453	24,177	3,276
23,790	22,461	1,329
23,625	19,500	4,125
23,984	21,470	2,514
42,761	32,564	10,197
80,971	65,930	15,041
139,192	107,733	31,459

Norm	A	B
171,363	127,302	44,061
167,620	128,364	39,256
121,342	98,560	22,782
84,933	73,671	11,262
45,230	38,739	6,491
26,329	23,187	3,142
22,797	21,523	1,274
22,639	18,686	3,953
22,986	20,576	2,410
41,090	31,291	9,799
77,933	63,457	14,476
134,064	103,764	30,300

Norm A B

164,850	122,463	42,387
161,247	123,484	37,763
116,689	94,781	21,908
81,632	70,808	10,824
43,404	37,175	6,229
23,206	22,198	3,008
21,804	20,586	1,218
21,653	17,872	3,781
21,988	19,683	2,305
39,418	30,018	9,400
74,895	60,983	13,912
128,936	99,795	29,141

Annual Customer Growth =
 Base Load Change =
 Annual Load Change =



**Atmos Energy - Kentucky
 Normalization Of Volumes For Weather
 Reference Period Ended DECEMBER 31, 2012**

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volume (1)	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Commercial - Class 2 Rate 1</u>													
1	Jan-12	774	927	0.0353	32.7167	8.7964	41.5131	17,761	737,314	717,666	19,648	944	748,686
2	Feb-12	753	903	0.0353	31.8696	8.7964	40.6660	17,748	721,740	681,360	40,380	735	617,099
3	Mar-12	440	616	0.0353	21.7405	8.7964	30.5369	17,816	544,046	490,892	53,154	538	495,475
4	Apr-12	143	391	0.0353	13.7996	8.7964	22.5960	17,427	393,781	202,394	191,387	247	305,505
5	May-12	107	140	0.0353	4.9410	8.7964	13.7374	17,426	239,388	171,128	68,260	68	195,294
6	Jun-12	8	23	0.0353	0.8117	8.7964	9.6081	17,100	164,299	150,646	13,653	1	151,167
7	Jul-12	0	0	0.0353	0.0000	8.7964	8.7964	16,908	148,730	132,144	16,586	0	148,872
8	Aug-12	0	0	0.0353	0.0000	8.7964	8.7964	16,837	148,105	164,691	(16,586)	0	148,247
9	Sep-12	0	3	0.0353	0.1059	8.7964	8.9023	16,769	149,283	152,707	(3,424)	36	168,975
10	Oct-12	164	116	0.0353	4.0940	8.7964	12.8904	17,007	219,227	214,591	4,636	228	286,727
11	Nov-12	425	355	0.0353	12.5290	8.7964	21.3254	17,258	368,034	348,109	19,925	510	462,886
12	Dec-12	538	686	0.0353	24.2110	8.7964	33.0074	17,705	<u>584,396</u>	491,705	<u>92,691</u>	853	689,409
13													
14	Total	<u>3,352</u>	<u>4,160</u>			8.7964		17,314	<u>4,418,343</u>	<u>3,918,035</u>	<u>500,310</u>	4,160	<u>4,418,342</u>
15	Average Usage / Customer								255.20	226.30			

Note 1 - Adjusted for volume and contract adjustments, if any.

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2013
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-13	927		32.0870	8.7964	40.8834	17,761	726,130			944	737,282
2	Feb-13	903	0.0346	31.2563	8.7964	40.0527	17,748	710,856			735	608,226
3	Mar-13	616	0.0346	21.3221	8.7964	30.1185	17,816	536,591			538	488,955
4	Apr-13	391	0.0346	13.5340	8.7964	22.3304	17,427	389,152			247	302,576
5	May-13	140	0.0346	4.8459	8.7964	13.6423	17,426	237,731			68	194,487
6	Jun-13	23	0.0346	0.7961	8.7964	9.5925	17,100	164,032			1	151,154
7	Jul-13	0	0.0346	0.0000	8.7964	8.7964	16,908	148,730			0	148,871
8	Aug-13	0	0.0346	0.0000	8.7964	8.7964	16,837	148,105			0	148,246
9	Sep-13	3	0.0346	0.1038	8.7964	8.9002	16,769	149,248			36	168,563
10	Oct-13	116	0.0346	4.0152	8.7964	12.8116	17,007	217,887			228	284,089
11	Nov-13	355	0.0346	12.2879	8.7964	21.0843	17,258	363,873			510	456,898
12	Dec-13	686	0.0346	23.7451	8.7964	32.5415	17,705	576,147			853	679,136
13												
14	Total	4,160			8.7964		17,314	4,368,482	0	0	4,160	4,368,483
15	Average Usage / Customer							252.32	0.00			
								(0.00012)	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2014
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-14	927	0.0339	31.4573	8.7964	40.2537	17,761	714,946			944	725,876
2	Feb-14	903	0.0339	30.6429	8.7964	39.4393	17,748	699,969			735	599,352
3	Mar-14	616	0.0339	20.9037	8.7964	29.7001	17,816	529,137			538	482,434
4	Apr-14	391	0.0339	13.2684	8.7964	22.0648	17,427	384,523			247	299,647
5	May-14	140	0.0339	4.7508	8.7964	13.5472	17,426	236,074			68	193,680
6	Jun-14	23	0.0339	0.7805	8.7964	9.5769	17,100	163,765			1	151,141
7	Jul-14	0	0.0339	0.0000	8.7964	8.7964	16,908	148,730			0	148,870
8	Aug-14	0	0.0339	0.0000	8.7964	8.7964	16,837	148,105			0	148,245
9	Sep-14	3	0.0339	0.1018	8.7964	8.8982	16,769	149,214			36	168,151
10	Oct-14	116	0.0339	3.9364	8.7964	12.7328	17,007	216,547			228	281,450
11	Nov-14	355	0.0339	12.0468	8.7964	20.8432	17,258	359,712			510	450,911
12	Dec-14	686	0.0339	23.2791	8.7964	32.0755	17,705	567,897			853	668,862
13												
14	Total	4,160			8.7964		17,314	4,318,619	0	0	4,160	4,318,619
15	Average Usage / Customer							249.44	0.00			
								(0.00024)	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2015
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-15	927	0.0333	30.8277	8.7964	39.6241	17,761	703,764			944	714,472
2	Feb-15	903	0.0333	30.0296	8.7964	38.8260	17,748	689,084			735	590,479
3	Mar-15	616	0.0333	20.4853	8.7964	29.2817	17,816	521,683			538	475,914
4	Apr-15	391	0.0333	13.0028	8.7964	21.7992	17,427	379,895			247	296,719
5	May-15	140	0.0333	4.6557	8.7964	13.4521	17,426	234,416			68	192,873
6	Jun-15	23	0.0333	0.7649	8.7964	9.5613	17,100	163,498			1	151,128
7	Jul-15	0	0.0333	0.0000	8.7964	8.7964	16,908	148,730			0	148,869
8	Aug-15	0	0.0333	0.0000	8.7964	8.7964	16,837	148,105			0	148,244
9	Sep-15	3	0.0333	0.0998	8.7964	8.8962	16,769	149,181			36	167,739
10	Oct-15	116	0.0333	3.8576	8.7964	12.6540	17,007	215,207			228	278,812
11	Nov-15	355	0.0333	11.8057	8.7964	20.6021	17,258	355,551			510	444,924
12	Dec-15	686	0.0333	22.8132	8.7964	31.6096	17,705	559,648			853	658,590
13												
14	Total	<u>4,160</u>			8.7964		17,314	<u>4,268,762</u>	0	0	4,160	<u>4,268,763</u>
15	Average Usage / Customer							246.56	0.00			
								0.00011	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2016
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized		Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient			Usage per Customer	No. of Customers				Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-16	927	0.0326	30.1981	8.7964	38.9945	17,761	692,582			944	703,073
2	Feb-16	903	0.0326	29.4162	8.7964	38.2126	17,748	678,197			735	581,610
3	Mar-16	616	0.0326	20.0669	8.7964	28.8633	17,816	514,229			538	469,398
4	Apr-16	391	0.0326	12.7373	8.7964	21.5337	17,427	375,268			247	293,792
5	May-16	140	0.0326	4.5607	8.7964	13.3571	17,426	232,761			68	192,067
6	Jun-16	23	0.0326	0.7493	8.7964	9.5457	17,100	163,232			1	151,117
7	Jul-16	0	0.0326	0.0000	8.7964	8.7964	16,908	148,730			0	148,869
8	Aug-16	0	0.0326	0.0000	8.7964	8.7964	16,837	148,105			0	148,244
9	Sep-16	3	0.0326	0.0977	8.7964	8.8941	16,769	149,145			36	167,329
10	Oct-16	116	0.0326	3.7788	8.7964	12.5752	17,007	213,867			228	276,176
11	Nov-16	355	0.0326	11.5645	8.7964	20.3609	17,258	351,389			510	438,940
12	Dec-16	686	0.0326	22.3472	8.7964	31.1436	17,705	551,398			853	648,322
13												
14	Total	4,160			8.7964		17,314	4,218,903	0	0	4,160	4,218,937
15	Average Usage / Customer							243.68	0.00			
								(0.00001)	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2017
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized	
		Normal HDDs	X Coefficient								Normal HDDs	Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-17	927	0.0319	29.5684	8.7964	38.3648	17,761	681,397			944	691,675
2	Feb-17	903	0.0319	28.8029	8.7964	37.5993	17,748	667,313			735	572,742
3	Mar-17	616	0.0319	19.6485	8.7964	28.4449	17,816	506,775			538	462,881
4	Apr-17	391	0.0319	12.4717	8.7964	21.2681	17,427	370,639			247	290,866
5	May-17	140	0.0319	4.4656	8.7964	13.2620	17,426	231,104			68	191,262
6	Jun-17	23	0.0319	0.7336	8.7964	9.5300	17,100	162,963			1	151,105
7	Jul-17	0	0.0319	0.0000	8.7964	8.7964	16,908	148,730			0	148,869
8	Aug-17	0	0.0319	0.0000	8.7964	8.7964	16,837	148,105			0	148,244
9	Sep-17	3	0.0319	0.0957	8.7964	8.8921	16,769	149,112			36	166,919
10	Oct-17	116	0.0319	3.7000	8.7964	12.4964	17,007	212,526			228	273,539
11	Nov-17	355	0.0319	11.3234	8.7964	20.1198	17,258	347,228			510	432,956
12	Dec-17	686	0.0319	21.8813	8.7964	30.6777	17,705	543,149			853	638,055
13												
14	Total	<u>4,160</u>			8.7964		17,314	4,169,041	0	0	4,160	4,169,113
15	Average Usage / Customer							240.80	0.00			
								(0.00018)	(2.88)			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 Months Ending December 2018
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Commercial - Class 2 Rate 1</u>												
1	Jan-18	927	0.0312	28.9388	8.7964	37.7352	17,761	670,215			944	680,276
2	Feb-18	903	0.0312	28.1896	8.7964	36.9860	17,748	656,428			735	563,873
3	Mar-18	616	0.0312	19.2301	8.7964	28.0265	17,816	499,320			538	456,365
4	Apr-18	391	0.0312	12.2061	8.7964	21.0025	17,427	366,011			247	287,939
5	May-18	140	0.0312	4.3705	8.7964	13.1669	17,426	229,447			68	190,456
6	Jun-18	23	0.0312	0.7180	8.7964	9.5144	17,100	162,696			1	151,094
7	Jul-18	0	0.0312	0.0000	8.7964	8.7964	16,908	148,730			0	148,869
8	Aug-18	0	0.0312	0.0000	8.7964	8.7964	16,837	148,105			0	148,244
9	Sep-18	3	0.0312	0.0937	8.7964	8.8901	16,769	149,078			36	166,508
10	Oct-18	116	0.0312	3.6213	8.7964	12.4177	17,007	211,188			228	270,903
11	Nov-18	355	0.0312	11.0823	8.7964	19.8787	17,258	343,067			510	426,972
12	Dec-18	686	0.0312	21.4153	8.7964	30.2117	17,705	534,898			853	627,787
13												
14	Total	4,160			8.7964		17,314	4,119,183	0	0	4,160	4,119,286
15	Average Usage / Customer							237.92	0.00			
								0.00005	(2.88)			

Normalized Including Unbilled (1)	Actual Ddays	Weighted Volumes per DDAYS			Including Unbilled	Bill Freq		Vol/Contr		Total	
						A	B	A	B	A	B
747,970	774	156,233	561,433	32		647,310	70,356	0	0	647,310	70,356
616,509	753	156,119	525,241	30		615,374	65,986	0	0	615,374	65,986
495,001	440	156,717	334,175	19		451,310	39,582	0	0	451,310	39,582
305,213	143	153,295	49,099	3		189,802	12,592	0	0	189,802	12,592
195,107	107	153,286	17,842	1		161,273	9,855	0	0	161,273	9,855
151,022	8	150,419	228	0		137,683	12,963	0	0	137,683	12,963
148,730	0	148,730	(16,586)	(1)		109,814	22,330	0	0	109,814	22,330
148,105	0	148,105	16,586	1		123,007	41,684	0	0	123,007	41,684
168,813	0	147,507	5,200	0		84,752	67,956	0	0	84,752	67,956
286,453	164	149,601	64,990	4		174,934	39,657	0	0	174,934	39,657
462,443	425	151,808	196,301	11		320,125	27,984	0	0	320,125	27,984
688,749	538	155,740	335,965	19		452,479	39,226	0	0	452,479	39,226
4,414,115 254.95	3,352	1,827,560	2,090,475	118	0.035293						

Normalized
Including
Unbilled

(1)

Norm A B

736,582	726,130	654,944	71,186
607,649	710,856	642,013	68,843
488,491	536,591	493,324	43,267
302,289	389,152	364,940	24,212
194,303	237,731	224,041	13,690
151,011	164,032	149,917	14,115
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
168,403	149,248	82,832	66,416
283,819	217,887	177,621	40,266
456,465	363,873	334,622	29,251
678,491	576,147	530,185	45,962
4,364,337			
252.08			

Normalized
Including
Unbilled

(1)

Norm A B

725,193	714,946	644,857	70,089
598,788	699,969	632,180	67,789
481,980	529,137	486,471	42,666
299,365	384,523	360,599	23,924
193,498	236,074	222,479	13,595
150,999	163,765	149,673	14,092
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
167,993	149,214	82,813	66,401
281,185	216,547	176,529	40,018
450,486	359,712	330,795	28,917
668,233	567,897	522,593	45,304
4,314,554			
249.20			

Normalized
Including
Unbilled
(l)

Norm A B

713,805	703,764	634,771	68,993
589,927	689,084	622,350	66,734
475,470	521,683	479,618	42,065
296,442	379,895	356,259	23,636
192,693	234,416	220,916	13,500
150,987	163,498	149,429	14,069
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
167,583	149,181	82,795	66,386
278,551	215,207	175,436	39,771
444,508	355,551	326,969	28,582
657,975	559,648	515,002	44,646
4,264,776			
246.33			

Normalized
Including
Unbilled
(l)

Norm A B

702,417	692,582	624,685	67,897
581,067	678,197	612,517	65,680
468,959	514,229	472,765	41,464
293,518	375,268	351,920	23,348
191,888	232,761	219,357	13,404
150,976	163,232	149,186	14,046
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
167,173	149,145	82,775	66,370
275,918	213,867	174,344	39,523
438,530	351,389	323,141	28,248
647,717	551,398	507,410	43,988
4,214,997			
243.45			

Normalized
Including
Unbilled
(1)

Norm A B

691,029	681,397	614,597	66,800
572,207	667,313	602,687	64,626
462,449	506,775	465,912	40,863
290,594	370,639	347,579	23,060
191,083	231,104	217,795	13,309
150,964	162,963	148,940	14,023
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
166,763	149,112	82,756	66,356
273,284	212,526	173,251	39,275
432,552	347,228	319,315	27,913
637,459	543,149	499,819	43,330
4,165,220			
240.58			

Normalized
Including
Unbilled

(1)

Norm A B

679,641	670,215	604,511	65,704
563,346	656,428	592,856	63,572
455,939	499,320	459,058	40,262
287,671	366,011	343,239	22,772
190,278	229,447	216,234	13,213
150,952	162,696	148,696	14,000
148,730	148,730	123,597	25,133
148,105	148,105	110,619	37,486
166,353	149,078	82,737	66,341
270,650	211,188	172,160	39,028
426,573	343,067	315,488	27,579
627,201	534,898	492,226	42,672
4,115,439			
237.70			

Total	% A	Norm	A	B		
717,666	90.2%	737,314	665,032	72,282	17,722	1,926
681,360	90.3%	721,740	651,843	69,897	36,469	3,911
490,892	91.9%	544,046	500,178	43,868	48,868	4,286
202,394	93.8%	393,781	369,281	24,500	179,479	11,908
171,128	94.2%	239,388	225,602	13,786	64,329	3,931
150,646	91.4%	164,299	150,161	14,138	12,478	1,175
132,144	83.1%	148,730	123,597	25,133	13,783	2,803
164,691	74.7%	148,105	110,619	37,486	(12,388)	(4,198)
152,707	55.5%	149,283	82,851	66,432	(1,901)	(1,524)
214,591	81.5%	219,227	178,713	40,514	3,779	857
348,109	92.0%	368,034	338,448	29,586	18,323	1,602
491,705	92.0%	584,396	537,776	46,620	85,297	7,394
					466,238	34,071

Annual Customer Growth =
 Base Load Change =
 Annual Load Change =

0.00
 (0.00)
 (0.92)

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
Reference Period Ended DECEMBER 31, 2012
 (Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
Residential - Class 1 Rate 1													
1	Jan-12	774	927	0.0122	11.3201	1.0790	12.3991	156,468	1,940,066	1,770,425	169,641	944	1,975,368
2	Feb-12	753	903	0.0122	11.0270	1.0790	12.1060	156,643	1,896,323	1,657,110	239,213	735	1,577,219
3	Mar-12	440	616	0.0122	7.5223	1.0790	8.6013	156,660	1,347,483	1,188,115	159,368	538	1,199,979
4	Apr-12	143	391	0.0122	4.7747	1.0790	5.8537	155,122	908,041	391,062	516,979	247	636,175
5	May-12	107	140	0.0122	1.7096	1.0790	2.7886	155,085	432,473	317,781	114,692	68	296,544
6	Jun-12	8	23	0.0122	0.2809	1.0790	1.3599	152,852	207,867	187,631	20,236	1	167,036
7	Jul-12	0	0	0.0122	0.0000	1.0790	1.0790	151,980	163,989	153,536	10,453	0	164,224
8	Aug-12	0	0	0.0122	0.0000	1.0790	1.0790	151,511	163,483	173,937	(10,454)	0	163,717
9	Sep-12	0	3	0.0122	0.0366	1.0790	1.1156	150,823	168,261	146,428	21,833	36	229,373
10	Oct-12	164	116	0.0122	1.4165	1.0790	2.4955	151,649	378,443	307,135	71,308	228	586,696
11	Nov-12	425	355	0.0122	4.3351	1.0790	5.4141	151,892	822,362	858,810	(36,448)	510	1,111,447
12	Dec-12	538	686	0.0122	8.3771	1.0790	9.4561	156,152	1,476,592	1,217,569	259,023	853	1,797,606
13													
14	Total	3,352	4,160			1.0790		153,903	9,905,383	8,369,538	1,535,844	4,160	9,905,384
15	Average Usage / Customer								64.36	54.38			

2012

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2013
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized Normal HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-13	927		11.1963	1.0482	12.2445	156,468	1,915,874			944	1,950,795
2	Feb-13	903	0.0121	10.9064	1.0482	11.9546	156,643	1,872,606			735	1,556,996
3	Mar-13	616	0.0121	7.4400	1.0482	8.4882	156,660	1,329,763			538	1,183,879
4	Apr-13	391	0.0121	4.7225	1.0482	5.7707	155,122	895,164			247	626,268
5	May-13	140	0.0121	1.6909	1.0482	2.7391	155,085	424,795			68	290,350
6	Jun-13	23	0.0121	0.2778	1.0482	1.3260	152,852	202,684			1	162,300
7	Jul-13	0	0.0121	0.0000	1.0482	1.0482	151,980	159,307			0	159,536
8	Aug-13	0	0.0121	0.0000	1.0482	1.0482	151,511	158,816			0	159,043
9	Sep-13	3	0.0121	0.0362	1.0482	1.0844	150,823	163,554			36	223,994
10	Oct-13	116	0.0121	1.4010	1.0482	2.4492	151,649	371,421			228	577,396
11	Nov-13	355	0.0121	4.2877	1.0482	5.3359	151,892	810,482			510	1,096,406
12	Dec-13	686	0.0121	8.2855	1.0482	9.3337	156,152	1,457,478			853	1,774,983
13												
14	Total	4,160			1.0482		153,903	9,761,944	0	0	4,160	9,761,946
15	Average Usage / Customer							63.43 (0.00002)	0.00			

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2014
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normalized HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
<u>Residential - Class 1 Rate 1</u>												
1	Jan-14	927	0.0019	11.0725	1.0174	12.0899	156,468	1,891,683			944	1,926,228
2	Feb-14	903	0.0119	10.7858	1.0174	11.8032	156,643	1,848,889			735	1,536,777
3	Mar-14	616	0.0119	7.3578	1.0174	8.3752	156,660	1,312,060			538	1,167,783
4	Apr-14	391	0.0119	4.6703	1.0174	5.6877	155,122	882,288			247	616,362
5	May-14	140	0.0119	1.6722	1.0174	2.6896	155,085	417,117			68	284,157
6	Jun-14	23	0.0119	0.2747	1.0174	1.2921	152,852	197,501			1	157,565
7	Jul-14	0	0.0119	0.0000	1.0174	1.0174	151,980	154,625			0	154,848
8	Aug-14	0	0.0119	0.0000	1.0174	1.0174	151,511	154,148			0	154,370
9	Sep-14	3	0.0119	0.0358	1.0174	1.0532	150,823	158,847			36	218,617
10	Oct-14	116	0.0119	1.3856	1.0174	2.4030	151,649	364,413			228	568,097
11	Nov-14	355	0.0119	4.2403	1.0174	5.2577	151,892	798,603			510	1,081,368
12	Dec-14	686	0.0119	8.1939	1.0174	9.2113	156,152	1,438,364			853	1,752,365
13												
14	Total	4,160			1.0174		153,903	9,618,538	0	0	4,160	9,618,537
15	Average Usage / Customer							62.50	0.00			
								0.00019				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2015
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-15	927	0.0118	10.9487	0.9866	11.9353	156,468	1,867,492			944	1,901,659
2	Feb-15	903	0.0118	10.6652	0.9866	11.6518	156,643	1,825,172			735	1,516,556
3	Mar-15	616	0.0118	7.2755	0.9866	8.2621	156,660	1,294,340			538	1,151,685
4	Apr-15	391	0.0118	4.6181	0.9866	5.6047	155,122	869,412			247	606,456
5	May-15	140	0.0118	1.6535	0.9866	2.6401	155,085	409,439			68	277,963
6	Jun-15	23	0.0118	0.2717	0.9866	1.2583	152,852	192,333			1	152,830
7	Jul-15	0	0.0118	0.0000	0.9866	0.9866	151,980	149,943			0	150,160
8	Aug-15	0	0.0118	0.0000	0.9866	0.9866	151,511	149,480			0	149,697
9	Sep-15	3	0.0118	0.0354	0.9866	1.0220	150,823	154,141			36	213,239
10	Oct-15	116	0.0118	1.3701	0.9866	2.3567	151,649	357,391			228	558,798
11	Nov-15	355	0.0118	4.1929	0.9866	5.1795	151,892	786,724			510	1,066,329
12	Dec-15	686	0.0118	8.1023	0.9866	9.0889	156,152	1,419,249			853	1,729,745
13												
14	Total	4,160			0.9866		153,903	9,475,116	0	0	4,160	9,475,117
15	Average Usage / Customer							61.57	0.00			
								0.00009				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2016
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged Normal HDDs (b)	X Coefficient (c)	Product (d)	Constant (e)	Normalized Usage per Customer (f)	No. of Customers (g)	Normalized Volumes (h)	Actual Volumes (i)	Weather Adjustment (j)	Normal HDDs (k)	Normalized Including Unbilled (l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-16	927		10.8249	0.9558	11.7807	156,468	1,843,301			944	1,877,082
2	Feb-16	903	0.0117	10.5447	0.9558	11.5005	156,643	1,801,471			735	1,496,329
3	Mar-16	616	0.0117	7.1933	0.9558	8.1491	156,660	1,276,636			538	1,135,582
4	Apr-16	391	0.0117	4.5659	0.9558	5.5217	155,122	856,535			247	596,547
5	May-16	140	0.0117	1.6348	0.9558	2.5906	155,085	401,761			68	271,769
6	Jun-16	23	0.0117	0.2686	0.9558	1.2244	152,852	187,150			1	148,093
7	Jul-16	0	0.0117	0.0000	0.9558	0.9558	151,980	145,261			0	145,471
8	Aug-16	0	0.0117	0.0000	0.9558	0.9558	151,511	144,813			0	145,022
9	Sep-16	3	0.0117	0.0350	0.9558	0.9908	150,823	149,434			36	207,859
10	Oct-16	116	0.0117	1.3546	0.9558	2.3104	151,649	350,368			228	549,496
11	Nov-16	355	0.0117	4.1455	0.9558	5.1013	151,892	774,845			510	1,051,285
12	Dec-16	686	0.0117	8.0107	0.9558	8.9665	156,152	1,400,135			853	1,707,117
13												
14	Total	4,160			0.9558		153,903	9,331,710	0	0	4,160	9,331,652
15	Average Usage / Customer							60.63	0.00			
								0.00019				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2017
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-17	927		10.7012	0.9250	11.6262	156,468	1,819,125			944	1,852,508
2	Feb-17	903	0.0115	10.4241	0.9250	11.3491	156,643	1,777,754			735	1,476,104
3	Mar-17	616	0.0115	7.1110	0.9250	8.0360	156,660	1,258,917			538	1,119,481
4	Apr-17	391	0.0115	4.5137	0.9250	5.4387	155,122	843,659			247	586,639
5	May-17	140	0.0115	1.6161	0.9250	2.5411	155,085	394,084			68	265,574
6	Jun-17	23	0.0115	0.2655	0.9250	1.1905	152,852	181,967			1	143,357
7	Jul-17	0	0.0115	0.0000	0.9250	0.9250	151,980	140,579			0	140,782
8	Aug-17	0	0.0115	0.0000	0.9250	0.9250	151,511	140,145			0	140,348
9	Sep-17	3	0.0115	0.0346	0.9250	0.9596	150,823	144,727			36	202,480
10	Oct-17	116	0.0115	1.3391	0.9250	2.2641	151,649	343,346			228	540,195
11	Nov-17	355	0.0115	4.0981	0.9250	5.0231	151,892	762,966			510	1,036,242
12	Dec-17	686	0.0115	7.9191	0.9250	8.8441	156,152	1,381,021			853	1,684,492
13												
14	Total	4,160			0.9250		153,903	9,188,290	0	0	4,160	9,188,202
15	Average Usage / Customer							59.70	0.00			
								0.00010				

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
12 months ending December 2018
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged		Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
		Normal HDDs	X Coefficient									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
<u>Residential - Class 1 Rate 1</u>												
1	Jan-18	927		10.5774	0.8942	11.4716	156,468	1,794,934			944	1,827,928
2	Feb-18	903	0.0114	10.3035	0.8942	11.1977	156,643	1,754,037			735	1,455,875
3	Mar-18	616	0.0114	7.0288	0.8942	7.9230	156,660	1,241,213			538	1,103,376
4	Apr-18	391	0.0114	4.4614	0.8942	5.3556	155,122	830,767			247	576,729
5	May-18	140	0.0114	1.5974	0.8942	2.4916	155,085	386,406			68	259,379
6	Jun-18	23	0.0114	0.2624	0.8942	1.1566	152,852	176,785			1	138,621
7	Jul-18	0	0.0114	0.0000	0.8942	0.8942	151,980	135,896			0	136,093
8	Aug-18	0	0.0114	0.0000	0.8942	0.8942	151,511	135,477			0	135,673
9	Sep-18	3	0.0114	0.0342	0.8942	0.9284	150,823	140,020			36	197,101
10	Oct-18	116	0.0114	1.3236	0.8942	2.2178	151,649	336,323			228	530,892
11	Nov-18	355	0.0114	4.0507	0.8942	4.9449	151,892	751,087			510	1,021,197
12	Dec-18	686	0.0114	7.8275	0.8942	8.7217	156,152	1,361,907			853	1,661,862
13												
14	Total	4,160			0.8942		153,903	9,044,852	0	0	4,160	9,044,726
15	Average Usage / Customer							58.77 (0.00001)	0.00			

Normalized
Including Actual
Unbilled Ddays
(1)

1,972,546	774	168,832	1,601,593	10	
1,574,966	753	169,021	1,488,089	9	
1,198,265	440	169,039	1,019,076	7	
635,266	143	167,380	223,682	1	
296,120	107	167,340	150,441	1	
166,797	8	164,930	22,700	0	
163,989	0	163,989	(10,454)	(0)	
163,483	0	163,483	10,454	0	
229,045	0	162,741	(16,313)	(0)	
585,858	164	163,632	143,503	1	
1,109,860	425	163,895	694,915	5	
1,795,039	538	168,491	1,049,078	7	
9,891,235	3,352	1,992,774	6,376,764	40.9	0.012212
64.27					

Normalized
Including
Unbilled

(1)

1,948,001

1,554,765

1,182,183

625,371

289,934

162,067

159,307

158,816

223,674

576,569

1,094,835

1,772,440

9,747,962

63.34

Normalized
Including
Unbilled

⁽¹⁾

1,923,453

1,534,563

1,166,100

615,474

283,748

157,338

154,625

154,148

218,302

567,279

1,079,810

1,749,840

9,604,679

62.41

Normalized
Including
Unbilled

⁽¹⁾

1,898,909
1,514,363
1,150,019
605,579
277,561
152,609
149,943
149,480
212,930
557,990
1,064,786
1,727,243

9,461,412
61.48

Normalized
Including
Unbilled

⁽¹⁾

1,874,367
1,494,165
1,133,940
595,684
271,376
147,879
145,261
144,813
207,559
548,701
1,049,764
1,704,648

9,318,157
60.55

Normalized
Including
Unbilled

(1)

1,849,828
1,473,969
1,117,861
585,790
265,190
143,150
140,579
140,145
202,187
539,413
1,034,743
1,682,056

9,174,912
59.61

Normalized
Including
Unbilled

(1)

1,825,284
1,453,769
1,101,781
575,895
259,004
138,420
135,896
135,477
196,816
530,124
1,019,720
1,659,459

9,031,645
58.68

**Atmos Energy - Kentucky
Actual & Normal Degree Days
12 Months Ended 12/31/2012**

Line No.	Month	Actual Ddays	Normal Ddays	Lagged Actual Mo. Ddays (1)	Lagged Normal Mo. Ddays (1)
	(a)	(b)	(c)	(d)	(e)
Basis: NOAA Normals for 1981-2010					
1	Jan-12	774	944	774	927
2	Feb-12	645	735	753	903
3	Mar-12	208	538	440	616
4	Apr-12	209	247	143	391
5	May-12	13	68	107	140
6	Jun-12	8	1	8	23
7	Jul-12	0	0	0	0
8	Aug-12	0	0	0	0
9	Sep-12	41	36	0	3
10	Oct-12	276	228	164	116
11	Nov-12	581	510	425	355
12	Dec-12	638	853	538	686
13					
14		3,393	4,160	3,352	4,160

- (1) Based upon 16th of previous month through 15th of billing month.
(2) Per NOAA, as reported for stations in Paducah (35.3%), Evansville (23.7%), Louisville (4.1%), Lexington (14.1%) and Nashville (22.8%).

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY DATA
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	156,152	1,846,837		\$14.28	\$26,372,832
3	Sales: 1-300	1,766,342	1,653,701	1,186,992	390,860	317,706	187,557	153,499	173,896	146,388	306,999	857,775	1,215,197		8,356,911	1.1000	9,192,602
4	Sales: 301-15000	4,083	3,409	1,123	203	75	74	37	42	40	136	1,035	2,372		12,627	0.7700	9,723
5	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
6	CLASS TOTAL (Mcf/month)	1,770,425	1,657,110	1,188,115	391,062	317,781	187,631	153,536	173,937	146,428	307,135	858,810	1,217,569	1,846,837	8,369,538		\$35,575,157
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,255	17,705	207,762		35.70	\$7,417,103
10	Sales: 1-300	647,310	615,374	451,310	189,802	161,273	137,683	109,814	123,007	84,752	174,934	320,125	452,479		3,467,863	1.1000	3,814,650
11	Sales: 301-15000	70,356	65,986	39,582	12,592	9,855	12,963	22,330	41,684	67,956	39,657	27,984	39,226		450,172	0.7700	346,632
12	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
13	CLASS TOTAL (Mcf/month)	717,666	681,360	490,892	202,394	171,128	150,646	132,144	164,691	152,707	214,591	348,109	491,705	207,762	3,918,035		\$11,578,386
14																	
15	<u>FIRM INDUSTRIAL (Rate G-1)</u>																
16	FIRM BILLS	208	204	204	197	202	201	189	184	194	211	196	192	2,382		\$35.70	\$85,037
17	Sales: 1-300	41,246	32,984	31,547	16,569	13,095	9,891	6,844	10,151	8,091	11,306	22,470	29,214		233,509	1.1000	256,860
18	Sales: 301-15000	74,671	49,940	24,545	8,612	5,137	4,950	3,725	6,512	7,958	7,930	19,249	26,812		240,041	0.7700	184,831
19	Sales: Over 15000	3,337	0	0	0	0	0	0	0	0	0	0	0		3,337	0.5000	1,669
20	CLASS TOTAL (Mcf/month)	119,254	82,924	56,092	25,181	18,233	14,841	10,570	16,663	16,049	19,236	41,718	56,026	2,382	476,897		\$528,397
21																	
22	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
23	FIRM BILLS	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	1,596	18,904		\$35.70	\$674,873
24	Sales: 1-300	132,729	129,140	98,951	47,244	38,138	26,129	23,944	24,738	27,426	41,133	77,691	104,054		771,318	1.1000	848,450
25	Sales: 301-15000	46,940	39,493	22,872	7,222	6,391	3,541	1,417	5,233	3,212	12,880	17,723	30,384		196,309	0.7700	151,158
26	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
27	CLASS TOTAL (Mcf/month)	178,668	168,633	121,824	54,466	44,528	29,670	25,361	29,972	30,638	54,013	95,415	134,439	18,904	967,627		\$1,674,480
28																	
29	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>																
26	INT BILLS	3	3	3	3	4	2	2	2	3	4	4	4	37		344.07	\$12,731
27	Sales: 1-15000	1,917	1,947	1,629	680	59	47	42	30	3,226	1,665	5,732	4,838		21,815	0.6870	14,997
28	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.4670	0
29	CLASS TOTAL (Mcf/month)	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838	37	21,815		\$27,718
30																	
31	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>																
32	INT BILLS	9	9	8	9	9	8	6	10	7	9	8	9	101		344.07	\$34,751
33	Sales: 1-15000	12,876	11,922	12,035	13,335	16,790	27,539	27,230	30,769	32,104	31,778	34,850	21,764		272,991	0.6870	187,545
34	Sales: Over 15000	0	0	0	0	0	14,373	49,146	52,245	54,086	54,136	15,434	7,873		247,293	0.4670	115,466
35	CLASS TOTAL (Mcf/month)	12,876	11,922	12,035	13,335	16,790	41,912	76,376	83,014	86,190	85,914	50,284	29,637	101	520,284		\$337,782
36																	
37	<u>TRANSPORTATION (T-4)</u>																
38	TRANSPORTATION BILLS	119	119	121	121	121	121	123	123	124	124	123	124	1,463		328.33	\$480,347
39	Trans Admin Fee	\$5,900	\$5,900	\$5,950	\$5,950	\$5,950	\$5,950	\$6,050	\$6,050	\$6,100	\$6,100	\$6,050	\$6,050				72,000
40	EFM Fee	\$5,325	\$5,325	\$5,325	\$5,325	\$5,325	\$5,325	\$5,475	\$5,475	\$5,475	\$5,475	\$5,475	\$5,175				64,500
41	Parking Fee	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$68	\$224				1,791
42	Firm Transport: 1-300	35,514	35,517	35,137	34,807	33,813	33,690	33,132	33,565	34,155	36,245	36,586	36,653		418,814	1.1930	499,645
43	Firm Transport: 301-15000	518,266	479,652	400,100	365,325	348,918	327,880	308,935	336,457	330,171	418,414	469,786	476,937		4,780,751	0.8351	3,992,405
44	Firm Transport: Over 1500	56,879	43,659	35,513	25,909	25,936	25,735	18,750	32,393	31,579	41,703	51,597	80,563		470,216	0.5423	254,998
45	CLASS TOTAL (Mcf/month)	610,659	558,838	470,750	426,041	408,667	387,305	360,717	402,415	395,906	496,362	557,969	694,153	1,463	5,669,781		\$5,365,686
46																	

47	TRANSPORTATION (7-3)															
48	TRANSPORTATION BILLS															
49	64	64	64	64	66	66	66	66	66	66	65	65	782	329.24	\$257,466	
50	Trans Admin Fee	\$3,200	\$3,200	\$3,200	\$3,200	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,250			39,100	
51	EFM Fee	\$2,650	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,650	\$2,650			31,275	
52	Parking Fee	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$268		4,568	
53	Interrupt Transport: 1-15000	444,777	421,495	389,189	369,518	394,954	378,227	362,369	381,407	376,699	439,233	452,458	424,698	4,835,024	0.6822	3,298,453
54	Interrupt Transport: Over 15000	277,361	244,305	194,625	166,441	189,966	158,090	139,951	163,234	146,445	202,415	182,689	165,000	2,230,522	0.4440	990,352
55	CLASS TOTAL (Mcf/month)	722,138	665,800	583,814	535,959	584,920	536,317	502,320	544,641	523,144	641,648	635,147	589,698	782	7,065,546	\$4,621,203
56	Pooling Fees	\$8,587	\$14,095	\$9,426	\$8,549	\$5,503	\$10,043	\$5,948	\$5,529	\$3,497	\$1,022	\$4,258	\$7,393			\$83,849
57	SPECIAL CONTRACTS															
58	TRANSPORTATION BILLS															
59	18	18	18	18	18	18	18	18	18	18	18	18	216	300.00	\$64,800	
60	Trans Admin Fee	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$850			10,375	
61	EFM Fee	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$825			9,725	
62	Parking Fee	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,841	\$954	\$1,221	\$585	\$919	\$847		17,352	
63	Transported Volumes	1,303,342	1,154,553	1,101,545	1,112,398	1,164,351	1,076,180	1,039,956	1,134,314	1,060,003	1,098,888	1,063,713	1,068,175	13,377,418		
64	Charges for Transport Volumes	\$130,868	\$119,468	\$113,421	\$114,370	\$117,340	\$112,814	\$106,204	\$113,661	\$105,245	\$112,171	\$107,729	\$111,558			1,364,868
65	CLASS TOTAL (Mcf/month)	1,303,342	1,154,553	1,101,545	1,112,398	1,164,351	1,076,180	1,039,956	1,134,314	1,060,003	1,098,888	1,063,713	1,068,175	216	13,377,418	\$1,467,120
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GAS COST ESTIMATES

	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
Firm Sales	1,040,428	550,413	360,657	351,537	359,593	448,986	963,667	1,738,249	2,735,404	3,004,792	2,407,807	1,853,745	1,025,144	542,015	354,915
Int Sales	13,522	16,844	12,687	12,272	15,799	20,332	18,443	25,582	34,478	14,793	13,889	13,124	13,522	16,844	12,587
Total Sales	1,053,951	567,256	373,243	363,809	372,392	469,317	982,110	1,763,831	2,769,880	3,019,585	2,421,696	1,866,869	1,038,667	558,859	367,501
0.84% L&U / Co Use	8,853	4,765	3,135	3,056	3,128	3,942	8,250	14,816	23,267	25,365	20,342	15,662	8,725	4,664	3,087
Supply Req	1,062,804	572,021	376,378	366,865	375,520	473,259	990,360	1,778,647	2,793,147	3,044,950	2,442,018	1,882,551	1,047,392	563,552	370,588
1.010 MMBtu	1,073,432	577,741	380,142	370,533	379,275	477,992	1,000,263	1,796,434	2,821,079	3,075,399	2,466,438	1,901,376	1,057,885	589,188	374,294
Storage															
Tenn Gas (WI)								119,926	216,048	285,034	217,762	140,443			
Texas Gas (WI)								448,342	637,631	637,631	510,105	637,631			
Co Owned (WI)								374,865	874,652	1,106,372	1,101,619	698,133			
Total (WI)								941,152	1,730,330	2,029,037	1,829,486	1,476,207			
Tenn Gas (IN)	134,755	141,731	141,731	141,731	141,731	141,731	137,805						134,755	141,731	141,731
Texas Gas (IN)	419,015	419,015	419,015	419,015	419,015	419,015	355,251						419,015	419,015	419,015
Co Owned (IN)	593,665	593,665	593,665	593,665	593,665	593,665	593,665						593,665	593,665	593,665
Total (IN)	1,147,435	1,154,411	1,154,411	1,154,411	1,154,411	1,154,411	1,086,722						1,147,435	1,154,411	1,154,411
Quantity															
Local Production													30,000	30,000	50,000
Hedging Purchases															
Requirements excluding Prod.	1,043,432	547,741	330,142	320,533	329,275	427,992	950,263	1,766,434	2,811,079	3,065,399	2,446,438	1,881,378	1,027,865	539,188	324,294
Rates															
Hedging Prices															
NYMEX PRICE															
3% Pipeline Losses @ 3%	\$0.0678	\$0.0630	\$0.0751	\$0.0858	\$0.0931	\$0.0815	\$0.0935	\$0.1074	\$0.1143	\$0.1037	\$0.0958	\$0.1060	\$0.1230	\$0.1289	\$0.1299
TGT/MW/Trunk Var Transp	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
TGP - GS Variable Tran	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000
TGP - G Variable Transp	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
Storage Inventory															
Co Owned & TN (\$)	1,559,896	1,558,282	1,656,231	2,117,789	2,296,710	2,011,650	2,294,254	(1,814,254)	(4,006,452)	(5,101,678)	(4,837,595)	(3,074,694)	3,000,339	3,173,879	3,196,897
Cumulative (\$)	10,557,452	12,115,733	13,971,954	16,089,753	18,386,463	20,398,113	22,692,367	20,878,113	16,871,661	11,769,983	6,932,387	3,857,693	6,858,032	10,031,911	13,230,806
Average Price for Season							\$3.6666								
TGT NNS (\$)	954,835	987,879	1,057,645	1,206,676	1,308,622	1,146,200	1,114,242	(1,938,668)	(2,769,526)	(2,769,526)	(2,215,621)	(2,769,526)	1,725,809	1,808,416	1,822,571
Cumulative (\$)	(6,293,477)	(7,405,598)	(8,347,953)	(5,141,277)	(3,832,656)	(2,686,456)	(1,572,213)	(3,510,881)	(6,280,407)	(9,049,933)	(11,285,554)	(14,035,080)	(12,309,171)	(10,500,766)	(8,678,085)
2.67521506 Average Price (Next Season)							\$4.3435								
Total Cumulative (\$) - prior mo		2,263,975	4,710,135	7,624,011	10,948,478	14,553,809	17,711,658	21,120,154	17,367,231	10,591,254	2,720,049	(4,333,167)	(10,177,387)	(5,451,139)	(466,545)
Ledger >		\$9,628,829	\$11,272,228	\$13,173,476	\$15,310,007	\$17,777,466	\$17,501,550	\$21,020,018	\$16,765,988	\$11,968,711	\$2,867,334	(\$389,374)			
Difference >		7,364,854	6,562,093	5,549,465	4,361,531	3,223,657	(210,107)	(100,137)	(501,244)	1,377,458	(22,716)	3,943,793			

Source of Supply

Commodity Purchases	2,190,866	1,702,152	1,484,553	1,474,944	1,483,886	1,582,403	2,036,985	587,581	690,548	581,862	289,352	349,869	2,175,300	1,893,599	1,478,705
Hedged Purchases	-	-	-	-	-	-	-	237,600	400,200	454,500	327,600	55,900	-	-	-
Local Production Purchases	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000
Storage (W)	-	-	-	-	-	-	-	941,152	1,730,330	2,029,037	1,829,488	1,476,207	-	-	-
Storage (IN)	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,086,722)	-	-	-	-	-	(1,147,435)	(1,154,411)	(1,154,411)
Total Supply Requirements	1,073,432	577,741	380,142	370,533	379,275	477,992	1,000,263	1,798,434	2,821,079	3,075,399	2,465,438	1,901,378	1,057,865	569,186	374,294

Supply Cost

Demand	\$1,541,799	\$817,904	\$536,290	\$522,729	\$531,027	\$668,718	\$1,429,424	\$2,576,587	\$4,053,315	\$4,447,126	\$3,564,050	\$2,744,493	\$1,541,538	\$817,882	\$538,011
Local Production	\$66,330	\$61,680	\$122,450	\$139,700	\$151,500	\$132,700	\$152,150	\$104,730	\$37,180	\$33,740	\$64,920	\$88,940	\$119,880	\$125,610	\$211,000
Commodity - Market	\$4,948,647	\$3,572,765	\$3,717,504	\$4,219,036	\$4,604,015	\$4,256,958	\$6,348,253	\$2,102,930	\$2,593,100	\$2,011,924	\$982,320	\$1,236,084	\$8,918,488	\$7,275,490	\$6,402,641
Commodity - Hedged	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$795,201	\$1,459,364	\$1,753,527	\$1,289,332	\$255,087	\$0	\$0	\$0
Variable Pipeline Commodity Storage	\$125,520	\$107,407	\$99,225	\$98,864	\$99,192	\$102,904	\$117,451	\$22,097	\$25,599	\$21,878	\$10,680	\$13,155	\$124,935	\$107,085	\$99,005
Storage	(\$2,614,731)	(\$2,446,181)	(\$2,913,876)	(\$3,324,465)	(\$3,605,332)	(\$3,157,849)	(\$3,409,496)	\$3,752,923	\$6,775,978	\$7,871,204	\$7,053,216	\$5,844,220	(\$4,726,248)	(\$4,982,294)	(\$5,021,568)
Total Supply Cost	\$4,067,565	\$2,113,594	\$1,561,594	\$1,654,864	\$1,780,403	\$2,043,430	\$4,638,782	\$9,354,467	\$14,945,005	\$16,139,400	\$12,924,718	\$10,181,979	\$5,976,593	\$3,343,773	\$2,227,089

Collection of Demand Charges

Ann. Demand Charges															
N/C Charge - Int															
N/C Charge - Firm															
Collection by Month	1,541,799	817,904	536,290	522,729	531,027	668,718	1,429,424	2,576,587	4,053,315	4,447,126	3,564,050	2,744,493	1,541,538	817,882	538,011

Commodity Gas Charge Firm

Commodity	2,847			3,198				3,887			3,982			4,579	
N/C	\$2,2841	\$2,7470	\$3,1119	\$3,3550	\$2,9292	\$3,2678	\$3,8427	\$3,9322	\$3,8721	\$3,8654	\$3,9732	\$4,2700	\$4,5197	\$4,6016	
N/C	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	1,4789	
Total (Not Incl Margin)	\$3,7630	\$4,2259	\$4,5908	\$4,8339	\$4,4080	\$4,7467	\$5,3216	\$5,4111	\$5,3510	\$5,3442	\$5,4521	\$5,7488	\$5,9986	\$6,0804	
CF		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Gas Charge (F)	\$3,7630	\$4,2259	\$4,5908	\$4,8339	\$4,4080	\$4,7467	\$5,3216	\$5,4111	\$5,3510	\$5,3442	\$5,4521	\$5,7488	\$5,9986	\$6,0804	

Quarterly GCA Model

Commodity Firm	\$2.65	\$2.65	\$2.65	\$3.20	\$3.20	\$3.20	\$3.89	\$3.89	\$3.89	\$3.98	\$3.98	\$3.98	\$3.98	\$4.58	\$4.58
N/C Firm	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.48	\$1.50	\$1.50
CF Firm	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PBR Discount	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33
PBR Recovery	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
Gas Cost Comp-Firm	\$3.89	\$3.89	\$3.89	\$4.44	\$4.44	\$4.44	\$5.13	\$5.13	\$5.13	\$5.25	\$5.25	\$5.25	\$5.25	\$5.85	\$5.85
Commodity Int	\$2.65	\$2.65	\$2.65	\$3.20	\$3.20	\$3.20	\$3.89	\$3.89	\$3.89	\$3.98	\$3.98	\$3.98	\$3.98	\$4.58	\$4.58
N/C Int	\$0.00	\$0.23	\$0.23	\$0.23	\$0.23	\$0.23	\$0.23	\$0.23	\$0.23	\$0.23	\$0.29	\$0.29	\$0.29	\$0.29	\$0.29
CF Int	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PBR Discount	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33	\$-0.33
PBR Recovery	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
Gas Cost Comp-Int	\$2.65	\$2.65	\$2.65	\$3.20	\$3.20	\$3.20	\$3.89	\$3.89	\$3.89	\$4.04	\$4.04	\$4.04	\$4.04	\$4.64	\$4.64

HEDGING

3% Pipeline Losses @								\$0.0998	\$0.1088	\$0.1151	\$0.1156	\$0.1378			
1 TO 5 TGT/MW/Trunk Var Transp								\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200			
Delivered Cost								\$3.35	\$3.85	\$3.86	\$3.87	\$4.61			
Gas Cost								\$795,201	\$1,459,884	\$1,753,527	\$1,269,332	\$255,087			
Difference >	7,364,854	6,562,093	5,549,465	4,381,531	3,223,657	(210,107)	(100,137)	(601,244)	1,377,458	(22,716)	3,943,793	-			
< Storage Beginning Balance															
Storage - Full Plan															
Tenn Gas (W)															
Texas Gas (W)															
Co Owned (W)															
Total (W)								1,133,918	2,084,735	2,444,623	2,204,200	1,778,563			
Tenn Gas (IN)													162,355	170,760	170,760
Texas Gas (IN)													504,837	504,837	504,837
Co Owned (IN)													715,259	715,259	715,259
Total (IN)	1,382,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856						1,382,451	1,390,856	1,390,856
Storage - As Adjusted															
Tenn Gas (W)								119,826	218,048	285,034	217,762	140,443			
Texas Gas (W)								446,342	837,831	637,831	510,105	637,831			
Co Owned (W)								374,885	874,852	1,106,372	1,101,619	698,133			
Total (W)								941,152	1,730,330	2,029,037	1,829,488	1,476,207			
Tenn Gas (IN)	134,755	141,731	141,731	141,731	141,731	141,731	141,731	137,805							
Texas Gas (IN)	419,015	419,015	419,015	419,015	419,015	419,015	419,015	355,261							

1,469,157	1,477,920	1,575,289	2,022,448	723,448	912,996	849,397	478,650	383,486	2,159,734	1,685,046	1,472,857	1,463,370	1,472,155	1,568,178	2,007,910	774,420	1,001,247
-	-	-	-	76,400	128,000	143,600	103,200	14,400	-	-	-	-	-	-	-	-	-
50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000
(1,154,411)	(1,154,411)	(1,154,411)	(1,086,722)	941,152	1,730,330	2,029,037	1,829,486	1,476,207	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,086,722)	941,152	1,730,330
364,746	373,509	470,679	985,727	1,771,000	2,781,326	3,032,024	2,431,336	1,974,073	1,042,299	580,635	368,446	358,959	387,744	463,767	971,189	1,745,572	2,741,577
\$522,330	\$530,976	\$668,896	\$1,429,365	\$2,577,177	\$4,054,294	\$4,447,239	\$3,563,753	\$2,744,003	\$1,541,294	\$817,311	\$535,274	\$521,478	\$530,289	\$668,256	\$1,428,981	\$2,577,657	\$4,055,429
\$213,100	\$214,200	\$213,700	\$214,200	\$130,850	\$45,000	\$45,800	\$90,820	\$89,000	\$125,810	\$125,460	\$210,300	\$211,850	\$212,650	\$212,500	\$213,550	\$130,050	\$45,150
\$6,424,911	\$6,496,753	\$6,906,537	\$8,890,431	\$3,233,139	\$4,216,723	\$3,992,994	\$2,230,902	\$1,859,952	\$9,277,950	\$7,230,063	\$6,356,062	\$6,361,886	\$6,424,362	\$6,838,550	\$8,799,614	\$3,444,970	\$4,639,800
\$0	\$0	\$0	\$0	\$296,180	\$522,809	\$602,439	\$431,036	\$59,194	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$98,646	\$98,976	\$102,837	\$116,905	\$27,202	\$34,329	\$31,937	\$17,997	\$13,666	\$124,350	\$108,764	\$98,785	\$96,429	\$98,759	\$102,389	\$116,358	\$29,118	\$37,647
(\$5,071,553)	(\$5,097,735)	(\$5,085,934)	(\$4,798,328)	\$4,037,111	\$7,399,314	\$8,662,814	\$7,802,697	\$6,324,398	(\$4,952,188)	(\$4,976,344)	(\$5,094,906)	(\$5,041,800)	(\$5,060,842)	(\$5,057,272)	(\$4,784,263)	\$4,061,303	\$7,603,046
\$2,187,433	\$2,243,169	\$2,307,936	\$5,852,073	\$10,301,459	\$16,272,288	\$17,783,223	\$14,137,205	\$10,890,213	\$6,117,017	\$3,303,254	\$2,195,515	\$2,151,843	\$2,205,218	\$2,764,403	\$5,774,240	\$10,265,098	\$16,281,072
					\$ 23,433,463											\$ 23,433,463	
					0.2929											0.2972	
					1.4999											1.5223	
522,330	530,976	668,896	1,429,365	2,577,177	4,054,294	4,447,239	3,563,753	2,744,003	1,541,294	817,311	535,274	521,478	530,289	668,256	1,428,981	2,577,657	4,055,429
	4,845			4,469		4,437		4,583				4,819			4,532		
\$4,6495	\$4,6588	\$4,6286	\$4,5697	\$4,4422	\$4,4741	\$4,4797	\$4,4292	\$4,4271	\$4,4712	\$4,5161	\$4,5894	\$4,6259	\$4,6388	\$4,6034	\$4,5558	\$4,4842	\$4,5418
1.4739	1.4789	1.4789	1.4789	1.4999	1.4999	1.4999	1.4999	1.4999	1.4999	1.4999	1.4999	1.4999	1.4999	1.4999	1.4999	1.5223	1.5223
\$5,1283	\$5,1477	\$5,1055	\$5,0486	\$5,9420	\$5,9739	\$5,9795	\$5,9291	\$5,9270	\$5,9710	\$6,0160	\$5,0892	\$5,1258	\$5,1387	\$5,1032	\$5,0567	\$5,0065	\$5,0640
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
\$5,1283	\$5,1477	\$5,1055	\$5,0486	\$5,9420	\$5,9739	\$5,9795	\$5,9291	\$5,9270	\$5,9710	\$6,0160	\$5,0892	\$5,1258	\$5,1387	\$5,1032	\$5,0567	\$5,0065	\$5,0640
\$4.58	\$4.65	\$4.65	\$4.65	\$4.47	\$4.47	\$4.47	\$4.44	\$4.44	\$4.44	\$4.57	\$4.57	\$4.57	\$4.57	\$4.62	\$4.62	\$4.62	\$4.53
\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52	\$1.52
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$5.85	\$5.91	\$5.91	\$5.91	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.82	\$5.82
\$4.58	\$4.65	\$4.65	\$4.65	\$4.47	\$4.47	\$4.47	\$4.44	\$4.44	\$4.44	\$4.57	\$4.57	\$4.57	\$4.57	\$4.62	\$4.62	\$4.62	\$4.53
\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	\$0.29	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$4.64	\$4.70	\$4.70	\$4.70	\$4.53	\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.60	\$4.60
				\$0.1157	\$0.1219	\$0.1253	\$0.1247	\$0.1227									
				\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200									
				\$3.98	\$4.03	\$4.20	\$4.18	\$4.11									
				\$296,180	\$522,609	\$602,439	\$431,036	\$59,194									
				144,489	282,708	343,415	262,364	169,209								144,489	282,708
				537,761	788,230	788,230	614,584	788,230								537,761	788,230
				451,668	1,053,797	1,332,978	1,327,252	841,124								451,668	1,053,797
				1,133,918	2,084,735	2,444,623	2,204,200	1,778,563								1,133,918	2,084,735
170,760	170,760	170,760	166,031						162,355	170,760	170,760	170,760	170,760	170,760	166,031		
504,837	504,837	504,837	428,013						504,837	504,837	504,837	504,837	504,837	504,837	428,013		
715,259	715,259	715,259	715,259						715,259	715,259	715,259	715,259	715,259	715,259	715,259		
1,390,856	1,390,856	1,390,856	1,309,303						1,362,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,309,303		

Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
2,919,815	2,538,873	1,800,128	994,579	525,219	343,432	334,490	339,810	428,035	920,848	1,663,341	2,618,319	2,877,023	2,304,403	1,773,318	979,295	516,822
14,793	13,989	13,124	13,522	16,844	12,537	12,272	15,799	20,332	18,443	25,582	34,476	14,793	13,869	13,124	13,522	16,844
2,934,408	2,352,742	1,813,252	1,008,102	542,062	356,016	346,762	355,409	448,366	939,291	1,688,923	2,652,795	2,891,816	2,318,272	1,786,442	992,818	533,665
24,649	19,763	15,231	8,468	4,553	2,991	2,913	2,985	3,766	7,890	14,167	22,283	24,291	19,473	15,006	8,340	4,483
2,959,057	2,372,505	1,828,483	1,016,570	546,615	359,009	349,675	358,394	452,132	947,181	1,703,110	2,675,078	2,916,107	2,337,745	1,801,448	1,001,158	538,148
2,988,647	2,398,230	1,848,768	1,026,735	552,081	362,600	353,171	361,978	456,654	956,653	1,720,141	2,701,829	2,945,268	2,361,123	1,819,462	1,011,169	543,530
285,034	217,762	140,443								119,926	218,048	285,034	217,762	140,443		
637,831	510,105	637,831								446,342	637,831	637,831	510,105	637,831		
1,106,372	1,101,619	698,133								374,885	874,652	1,106,372	1,101,619	698,133		
2,029,037	1,829,486	1,476,207								941,152	1,730,330	2,029,037	1,829,486	1,476,207		
			134,755	141,731	141,731	141,731	141,731	141,731	137,805						134,755	141,731
			419,015	419,015	419,015	419,015	419,015	419,015	355,251						419,015	419,015
			593,665	593,665	593,665	593,665	593,665	593,665	593,665						593,665	593,665
			1,147,435	1,154,411	1,154,411	1,154,411	1,154,411	1,154,411	1,088,722						1,147,435	1,154,411
10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000
2,978,647	2,378,230	1,828,768	996,735	522,081	312,800	303,171	311,978	408,654	908,653	1,690,141	2,691,829	2,935,268	2,341,123	1,799,462	981,169	513,530

\$0.1414	\$0.1408	\$0.1383	\$0.1282	\$0.1282	\$0.1288	\$0.1298	\$0.1303	\$0.1304	\$0.1313	\$0.1336	\$0.1390	\$0.1420	\$0.1414	\$0.1389	\$0.1289	\$0.1282
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
(8,031,935)	(5,719,698)	(3,635,343)	3,128,000	3,157,958	3,173,121	3,195,865	3,208,753	3,210,269	3,218,511	(2,146,785)	(4,740,764)	(6,036,752)	(5,724,266)	(3,633,247)	3,143,770	3,180,702
13,916,159	8,196,461	4,561,117	7,689,118	10,847,075	14,020,196	17,216,061	20,424,814	23,635,083	26,851,594	24,704,809	19,984,025	13,927,273	8,203,007	4,564,760	7,708,530	10,899,232
									54,3388							
(2,765,045)	(2,212,836)	(2,766,045)	1,799,344	1,799,344	1,807,984	1,820,943	1,828,286	1,829,150	1,562,151	(1,952,849)	(2,789,785)	(2,789,785)	(2,231,828)	(2,789,785)	1,808,418	1,812,303
(9,040,535)	(11,253,371)	(14,019,416)	(12,220,072)	(10,420,728)	(8,612,744)	(6,791,901)	(4,963,516)	(3,134,364)	(1,572,213)	(3,525,062)	(6,314,847)	(9,104,632)	(11,336,460)	(14,126,245)	(12,317,829)	(10,505,526)
13,673,804	4,875,624	(3,056,910)	(9,458,293)	(4,530,954)	426,348	5,407,482	10,424,259	15,481,289	20,500,719	25,279,381	21,179,747	13,649,178	4,522,641	(3,133,453)	(9,561,485)	(4,609,299)

949,811	546,744	350,560	2,144,170	1,876,492	1,487,010	1,457,582	1,466,389	1,561,065	1,993,374	748,089	961,499	906,231	511,637	323,255	2,128,604	1,667,941
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000
2,029,037	1,829,488	1,476,207	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,086,722)	941,152	1,730,330	2,029,037	1,829,486	1,476,207	(1,147,435)	(1,154,411)
2,988,647	2,396,230	1,846,768	1,026,735	552,081	352,600	353,171	361,976	456,654	956,653	1,720,141	2,701,829	2,945,298	2,361,123	1,819,462	1,011,189	543,530
\$4,448,820	\$3,564,503	\$2,744,170	\$1,541,044	\$816,724	\$534,517	\$520,603	\$529,580	\$667,593	\$1,428,589	\$2,578,149	\$4,056,600	\$4,450,447	\$3,565,275	\$2,744,342	\$1,540,784	\$816,119
\$45,930	\$91,420	\$86,820	\$124,980	\$124,980	\$209,300	\$210,800	\$211,850	\$211,750	\$213,300	\$130,200	\$45,150	\$46,100	\$91,840	\$90,240	\$125,610	\$125,880
\$4,476,875	\$2,565,188	\$1,615,830	\$9,164,668	\$7,165,708	\$6,300,593	\$6,305,170	\$6,368,964	\$6,783,386	\$8,725,836	\$3,335,703	\$4,455,605	\$4,288,248	\$2,411,549	\$1,496,971	\$9,144,218	\$7,160,742
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$35,705	\$20,558	\$13,181	\$123,784	\$106,442	\$98,565	\$98,211	\$98,542	\$102,102	\$115,812	\$28,162	\$36,152	\$34,074	\$19,238	\$12,154	\$123,179	\$106,120
\$6,797,980	\$7,932,534	\$6,401,339	(\$4,827,344)	(\$4,957,302)	(\$4,981,104)	(\$5,016,808)	(\$5,037,040)	(\$5,039,420)	(\$4,778,862)	\$4,099,634	\$7,530,569	\$8,826,537	\$7,956,094	\$6,428,032	(\$4,952,185)	(\$4,993,005)
\$17,805,311	\$14,174,203	\$10,894,390	\$6,027,112	\$3,256,552	\$2,161,861	\$2,117,976	\$2,171,697	\$2,725,414	\$5,704,675	\$10,171,848	\$16,124,076	\$17,645,406	\$14,043,995	\$10,771,739	\$5,881,605	\$3,235,857
												\$ 23,433,463				
												0.9017				
												1.5453				
4,448,820	3,564,503	2,744,170	1,541,044	816,724	534,517	520,603	529,580	667,593	1,428,589	2,578,149	4,056,600	4,450,447	3,565,275	2,744,342	1,540,784	816,119
	4,487			4,550			4,603			4,542			4,502			4,586
\$4,5517	\$4,5095	\$4,4783	\$4,4500	\$4,5010	\$4,5710	\$4,6085	\$4,6204	\$4,5896	\$4,5525	\$4,4992	\$4,5490	\$4,5629	\$4,5201	\$4,4935	\$4,4729	\$4,5342
1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5223	1.5453	1.5453	1.5453	1.5453	1.5453	1.5453	1.5453
\$6,0738	\$6,0318	\$6,0005	\$5,9723	\$6,0233	\$6,0932	\$6,1288	\$6,1426	\$6,1119	\$6,0747	\$6,0415	\$6,0943	\$6,1082	\$6,0654	\$6,0389	\$6,0183	\$6,0795
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
\$6,0739	\$6,0318	\$6,0005	\$5,9723	\$6,0233	\$6,0932	\$6,1288	\$6,1426	\$6,1119	\$6,0747	\$6,0415	\$6,0943	\$6,1082	\$6,0654	\$6,0389	\$6,0183	\$6,0795
\$4.53	\$4.49	\$4.49	\$4.49	\$4.55	\$4.55	\$4.55	\$4.60	\$4.60	\$4.60	\$4.54	\$4.54	\$4.54	\$4.54	\$4.50	\$4.50	\$4.59
\$1.52		\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.55	\$1.57	\$1.57	\$1.57
\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$5.82	\$5.80	\$5.80	\$5.80	\$5.86	\$5.86	\$5.86	\$5.92	\$5.92	\$5.92	\$5.85	\$5.85	\$5.85	\$5.85	\$5.84	\$5.84	\$5.92
\$4.53	\$4.49	\$4.49	\$4.49	\$4.55	\$4.55	\$4.55	\$4.60	\$4.60	\$4.60	\$4.54	\$4.54	\$4.54	\$4.54	\$4.50	\$4.50	\$4.59
\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.31	\$0.31	\$0.31
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$4.60	\$4.66	\$4.66	\$4.66	\$4.62	\$4.62	\$4.62	\$4.67	\$4.67	\$4.67	\$4.61	\$4.61	\$4.61	\$4.61	\$4.57	\$4.57	\$4.66

Becky Buchanan for Gas Supply Data

343,415	262,364	169,209								144,489	262,708	343,415	262,364	169,209		
768,230	614,584	768,230								537,761	768,230	768,230	614,584	768,230		
1,332,978	1,327,252	841,124								451,668	1,053,797	1,332,978	1,327,252	841,124		
2,444,623	2,204,200	1,778,583								1,133,918	2,084,795	2,444,623	2,204,200	1,778,583		
			162,355	170,760	170,760	170,760	170,760	170,760	166,031						162,355	170,760
			504,837	504,837	504,837	504,837	504,837	504,837	428,013						504,837	504,837
			715,259	715,259	715,259	715,259	715,259	715,259	715,259						715,259	715,259
			1,382,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,309,303						1,382,451	1,390,856

1,461,162	1,451,795	1,460,823	1,553,953	1,978,836	723,556	921,747	862,858	476,534	295,951	2,113,039	1,659,387	1,455,315	1,448,007	1,454,858	1,548,842	1,964,289
50,000	50,000	50,000	50,000	50,000	30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000
(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,088,722)	941,152	1,730,330	2,029,037	1,829,486	1,478,207	-	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,088,722)
356,752	347,384	356,212	449,542	942,115	1,694,703	2,662,077	2,901,894	2,326,020	1,792,158	995,604	534,976	350,905	341,596	350,447	442,431	927,578
\$533,738	\$519,701	\$528,847	\$866,912	\$1,428,182	\$2,578,652	\$4,057,800	\$4,452,132	\$3,566,076	\$2,744,521	\$1,540,518	\$815,495	\$532,931	\$518,769	\$528,094	\$666,211	\$1,427,754
\$211,000	\$212,800	\$213,750	\$213,900	\$215,500	\$132,000	\$45,900	\$46,900	\$93,440	\$91,840	\$128,010	\$128,340	\$215,100	\$216,950	\$217,850	\$218,000	\$219,800
\$5,326,683	\$6,340,003	\$6,407,164	\$6,821,374	\$8,751,760	\$3,267,192	\$4,342,854	\$4,154,170	\$2,285,398	\$1,394,934	\$9,251,624	\$7,284,195	\$6,424,393	\$6,438,456	\$6,504,363	\$6,920,921	\$8,853,522
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$98,348	\$97,993	\$98,325	\$101,834	\$115,265	\$27,208	\$34,658	\$32,443	\$17,916	\$11,128	\$122,594	\$105,799	\$98,126	\$97,776	\$98,108	\$101,567	\$114,718
(\$5,021,568)	(\$5,064,412)	(\$5,087,024)	(\$5,090,595)	(\$4,827,956)	\$4,152,960	\$7,618,960	\$8,924,332	\$8,040,898	\$6,508,378	(\$5,048,820)	(\$5,090,595)	(\$5,119,157)	(\$5,163,192)	(\$5,184,614)	(\$5,188,184)	(\$4,919,824)
\$2,148,196	\$2,106,085	\$2,161,062	\$2,713,426	\$5,882,751	\$10,158,009	\$16,099,982	\$17,610,027	\$14,003,729	\$10,760,803	\$5,995,927	\$3,243,234	\$2,151,292	\$2,108,759	\$2,164,302	\$2,718,515	\$5,695,781

\$ 23,433,483
0,3083
1,5691

533,736	519,701	528,847	686,912	1,428,182	2,578,652	4,057,800	4,452,132	3,566,076	2,744,521	1,540,519	815,495	532,931	518,769	528,094	666,211	1,427,754
\$4,8091	\$4,6511	4,650	\$4,6968	\$4,6995	4,599	\$4,8072	\$4,6131	4,581	\$4,5900	\$4,5578	4,677	\$4,6975	\$4,7406	4,738	\$4,7244	\$4,8863
1,5453	1,5453	1,5453	1,5453	1,5453	1,5891	1,5891	1,5891	1,5891	1,5891	1,5891	1,5891	1,5891	1,5891	1,5891	1,5891	1,5891
\$6,1544	\$6,1964	\$6,2122	\$6,1819	\$6,1448	\$6,1242	\$6,1763	\$6,1872	\$6,1394	\$6,1191	\$6,1269	\$6,1910	\$6,2666	\$6,3098	\$6,3243	\$6,2936	\$6,2554
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
\$6,1544	\$6,1964	\$6,2122	\$6,1819	\$6,1448	\$6,1242	\$6,1763	\$6,1872	\$6,1394	\$6,1191	\$6,1269	\$6,1910	\$6,2666	\$6,3098	\$6,3243	\$6,2936	\$6,2554

\$4.59	\$4.59	\$4.85	\$4.85	\$4.85	\$4.80	\$4.60	\$4.60	\$4.58	\$4.56	\$4.56	\$4.88	\$4.88	\$4.88	\$4.74	\$4.74	\$4.74
\$1.57	\$1.57	\$1.57	\$1.57	\$1.57	\$1.57	\$1.57	\$1.57	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$5.92	\$5.92	\$5.99	\$5.99	\$5.99	\$5.94	\$5.94	\$5.94	\$5.92	\$5.92	\$5.92	\$6.04	\$6.04	\$6.04	\$6.10	\$6.10	\$6.10
\$4.59	\$4.59	\$4.65	\$4.65	\$4.65	\$4.60	\$4.60	\$4.60	\$4.56	\$4.56	\$4.56	\$4.88	\$4.88	\$4.88	\$4.74	\$4.74	\$4.74
\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$4.66	\$4.66	\$4.72	\$4.72	\$4.72	\$4.67	\$4.67	\$4.67	\$4.64	\$4.64	\$4.64	\$4.75	\$4.75	\$4.75	\$4.82	\$4.82	\$4.82

					144,489	262,708	343,415	262,364	169,209							
					537,781	768,230	788,230	614,584	768,230							
					451,668	1,053,797	1,332,978	1,327,252	841,124							
					1,133,918	2,084,735	2,444,623	2,204,200	1,778,563							
170,760	170,760	170,760	170,760	168,031						162,355	170,760	170,760	170,760	170,760	170,760	166,031
504,837	504,837	504,837	504,837	428,013						504,837	504,837	504,837	504,837	504,837	504,837	428,013
715,259	715,259	715,259	715,259	715,259						715,259	715,259	715,259	715,259	715,259	715,259	715,259
1,390,856	1,390,856	1,390,856	1,390,856	1,309,303						1,382,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,309,303

Nov-17	Dec-17	Jan-18	Mar-18	Apr-18	May-18	Jun-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
1,813,401	2,540,262	2,791,642	2,235,466	1,719,597	948,728	500,026	326,210	317,443	322,626	407,086	679,026	1,588,429	2,501,229
25,582	34,476	14,793	13,669	13,124	15,522	16,844	12,587	12,272	15,789	20,332	18,443	25,582	34,476
1,838,983	2,574,738	2,806,635	2,249,335	1,732,821	962,251	516,869	338,796	335,397	344,087	434,401	910,744	1,638,983	2,574,738
13,767	21,528	23,576	18,894	14,556	8,093	4,342	2,946	2,817	2,890	3,649	7,550	13,767	21,528
1,652,790	2,598,366	2,830,211	2,268,229	1,747,377	970,334	521,211	341,642	338,214	346,977	438,050	918,394	1,652,750	2,598,366
1,668,278	2,622,330	2,858,513	2,290,911	1,764,851	980,037	528,423	345,059	341,596	350,447	442,431	927,578	1,669,278	2,622,330
119,926	218,048	235,034	217,762	140,445								119,926	218,048
446,342	837,831	837,831	510,105	837,831								446,342	837,831
374,885	874,652	1,106,372	1,101,619	898,133								374,885	874,652
941,152	1,730,330	2,029,037	1,829,486	1,478,207								941,152	1,730,330
						134,755	141,731	141,731	141,731	141,731	137,805		
						419,015	419,015	419,015	419,015	419,015	355,251		
						593,665	593,665	593,665	593,665	593,665	593,665		
						1,147,435	1,154,411	1,154,411	1,154,411	1,154,411	1,068,722		
30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000
1,639,278	2,612,330	2,848,513	2,270,911	1,744,851	980,037	496,423	295,059	291,596	300,447	392,431	877,578	1,639,278	2,612,330

\$0.1385	\$0.1446	\$0.1480	\$0.1474	\$0.1450	\$0.1357	\$0.1362	\$0.1369	\$0.1382	\$0.1387	\$0.1388	\$0.1389	\$0.1435	\$0.1503
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000	\$0.9000
\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200
(2,199,767)	(4,857,785)	(6,185,737)	(5,865,539)	(3,728,037)	3,309,730	3,352,800	3,371,753	3,401,321	3,414,867	3,417,242	3,425,394	(2,268,231)	(5,008,977)
25,314,515	20,466,730	14,270,993	8,405,454	4,677,417	7,987,147	11,339,946	14,711,700	16,113,020	21,527,988	24,945,229	28,370,624	28,102,393	21,093,416
											\$4,5840		
(2,057,980)	(2,939,972)	(2,939,972)	(2,351,978)	(2,939,972)	1,903,882	1,910,361	1,921,161	1,938,008	1,945,783	1,947,079	1,663,599	(2,057,980)	(2,939,972)
(3,630,193)	(6,570,165)	(9,510,137)	(11,862,115)	(14,802,087)	(12,898,205)	(10,987,844)	(9,066,663)	(7,128,675)	(5,182,891)	(3,235,812)	(1,572,213)	(3,630,193)	(6,570,165)
											\$4,6106		
25,942,069	21,684,322	13,886,565	4,760,856	(3,456,661)	(10,124,670)	(4,911,058)	352,103	5,645,017	10,984,346	16,345,096	21,709,417	26,798,411	22,472,199

898,125	882,000	819,476	441,425	288,643	2,097,471	1,650,834	1,449,470	1,446,007	1,454,858	1,546,842	1,964,299	698,125	892,000
-	-	-	-	-	-	-	-	-	-	-	-	-	-
30,000	10,000	10,000	20,000	20,000	30,000	30,000	50,000	50,000	50,000	50,000	50,000	30,000	10,000
941,152	1,730,330	2,029,037	1,829,486	1,476,207	(1,147,435)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,154,411)	(1,096,722)	941,152	1,730,330
-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,669,278	2,622,330	2,858,513	2,290,911	1,764,851	980,037	526,423	345,059	341,596	350,447	442,431	927,578	1,669,278	2,622,330
\$2,579,176	\$4,059,047	\$4,453,860	\$3,566,898	\$2,744,701	\$1,540,519	\$815,495	\$532,931	\$518,789	\$528,094	\$686,211	\$1,427,764	\$2,579,176	\$4,059,047
\$134,970	\$49,960	\$48,040	\$95,740	\$94,160	\$132,240	\$132,590	\$222,400	\$224,350	\$225,250	\$225,400	\$227,150	\$139,830	\$48,800
\$3,223,612	\$4,251,783	\$4,041,622	\$2,169,355	\$1,296,350	\$9,488,355	\$7,493,426	\$8,616,754	\$9,659,084	\$9,726,841	\$7,158,934	\$9,159,305	\$3,340,206	\$4,419,090
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$26,250	\$33,163	\$30,812	\$16,598	\$10,101	\$122,008	\$105,477	\$97,908	\$97,778	\$88,103	\$101,567	\$114,718	\$26,250	\$33,163
\$4,257,747	\$7,797,757	\$9,125,709	\$8,217,516	\$6,868,009	(\$5,213,812)	(\$5,263,181)	(\$5,292,914)	(\$5,339,329)	(\$5,360,751)	(\$5,364,321)	(\$5,088,994)	\$4,326,211	\$7,948,948
\$10,221,754	\$16,188,711	\$17,700,043	\$14,068,105	\$10,815,322	\$6,089,511	\$3,283,927	\$2,177,077	\$2,160,650	\$2,217,543	\$2,785,791	\$5,839,944	\$10,411,673	\$16,509,060

\$ 23,433,463
0.3110
1.5937



2,579,176	4,059,047	4,453,860	3,566,898	2,744,701	1,516,160	802,111	523,783	509,714	519,071	655,081	1,405,015	2,539,379	3,996,842
4,703			4,672			4,855			4,974			4,688	
\$4,6830	\$4,7110	\$4,7196	\$4,6677	\$4,6575	\$4,7067	\$4,7757	\$4,8529	\$4,9797	\$4,9921	\$4,9590	\$4,9217	\$4,8526	\$4,9099
1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937	1.5937
\$6,2567	\$6,3047	\$6,3133	\$6,2614	\$6,2512	\$6,3003	\$6,3694	\$6,4466	\$6,5734	\$6,5858	\$6,5527	\$6,5154	\$6,4465	\$6,5035
0	0	0	0	0	0	0	0	0	0	0	0	0	0
\$6,2567	\$6,3047	\$6,3133	\$6,2614	\$6,2512	\$6,3003	\$6,3694	\$6,4466	\$6,5734	\$6,5658	\$6,5527	\$6,5154	\$6,4465	\$6,5035
\$4.70	\$4.70	\$4.70	\$4.67	\$4.67	\$4.67	\$4.85	\$4.85	\$4.85	\$4.97	\$4.97	\$4.97	\$4.89	\$4.89
\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59	\$1.59
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$6.06	\$6.06	\$6.06	\$6.03	\$6.03	\$6.03	\$6.21	\$6.21	\$6.21	\$6.33	\$6.33	\$6.33	\$6.25	\$6.25
\$4.70	\$4.70	\$4.70	\$4.67	\$4.67	\$4.67	\$4.85	\$4.85	\$4.85	\$4.97	\$4.97	\$4.97	\$4.89	\$4.89
\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33	-\$0.33
\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10	\$0.10
\$4.78	\$4.78	\$4.78	\$4.75	\$4.75	\$4.75	\$4.93	\$4.93	\$4.93	\$5.05	\$5.05	\$5.05	\$4.97	\$4.97

144,489	262,708	343,415	262,364	169,209	-	-	-	-	-	-	-	144,489	262,708
537,781	768,230	768,230	614,584	768,230	-	-	-	-	-	-	-	537,781	768,230
451,668	1,053,797	1,352,978	1,327,252	841,124	-	-	-	-	-	-	-	451,668	1,053,797
1,133,913	2,084,735	2,444,623	2,204,200	1,778,563	-	-	-	-	-	-	-	1,133,918	2,084,735
-	-	-	-	-	162,355	170,760	170,760	170,760	170,760	170,760	166,031	-	-
-	-	-	-	-	504,837	504,837	504,837	504,837	504,837	504,837	428,013	-	-
-	-	-	-	-	715,259	715,259	715,259	715,259	715,259	715,259	715,259	-	-
-	-	-	-	-	1,382,451	1,390,856	1,390,856	1,390,856	1,390,856	1,390,856	1,309,303	-	-

Test Year	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
Residential													
Customers	156,152	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,849	151,892	1,846,837
Mcf	1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	9,637,652
Commercial & Public Authority													
Customers	19,301	19,341	19,329	19,394	18,998	19,008	18,675	18,493	18,411	18,334	18,578	18,804	226,666
Mcf	730,723	905,845	886,709	664,440	479,357	286,783	193,465	174,507	173,703	175,195	262,651	446,759	5,380,137
Firm Industrial													
Customers	193	208	204	205	198	203	202	191	186	196	213	197	2,396
Mcf	56,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	471,075
Interruptible & Transportation													
Customers	219	214	214	214	215	218	215	214	218	217	219	217	2,594
Mcf	2,305,565	2,721,075	2,457,602	2,227,603	2,141,080	2,152,113	2,039,562	1,959,973	2,141,782	2,045,998	2,306,544	2,327,196	26,826,095

	Residential	Commercial & Public Authority	Firm Industrial	Interruptible & Transportation	Total
Base Load per Customer (Jul & Aug)	1.02	9.44	73.53	9.495	
Total Base Load per year	1,878,980	2,138,721	176,171	24,629,518	
Average Daily Base Load per Customer	0.03345	0.31021	2.41733	312.15790	
Heating Load Per Year	7,758,672	3,241,416	294,904	2,196,576	
Annual HDDs	4,160	4,160	4,160	4,160	
Heating Load per Customer per HDD	0.01212	0.04125	0.35504	2.44267	
Peak Design Day HDD		60	60	60	
Peak Day per Average Customer	0.76056	2.78528	23.71993	458.71791	
Total Class Peak Day, Mcf	117,052	52,611	4,736	99,160	273,558

WESTERN KENTUCKY GAS COMPANY
BILL FREQUENCY ANALYSIS
TWELVE MONTHS ENDED NOVEMBER 30, 2014

Line No.	Class of Customers	Number Of		Rate	Total Revenue	Annual G/C & Total Revenue	Winter Volumes (Nov- Mar)
		Bills (a)	Mof (b)				
1	RESIDENTIAL (Rate G-1)						
2	FIRM BILLS	1,846,837		\$14.28	\$26,372,832	\$55,514,753	
3	Sales: 1-300		9,637,652	1.1000	10,601,417		7,308,713
4	Sales: 301-1500		0	0.7700	0		-
5	Sales: Over 1500			0.5000	0		-
6	CLASS TOTAL	1,846,837	9,637,652		36,974,250	\$92,489,003	Equal Residential (4800) 7,308,713
7							
8	FIRM COMMERCIAL /						
9	PUBLIC AUTHORITY (Rate G-1)						
10	FIRM BILLS	226,666		35.70	\$8,091,976	\$31,060,527	
11	Sales: 1-300		4,691,716	1.1000	5,160,888		2,624,488
12	Sales: 301-15000		688,421	0.7700	530,084		255,423
13	Sales: Over 1500		0	0.5000	0		-
14	CLASS TOTAL	226,666	5,380,137		13,782,948	\$44,843,475	Firm Com & PA (Excl Int Com) 2,879,911
15							
16	FIRM INDUSTRIAL (Rates G-1)						
17	FIRM BILLS	2,396		35.70	\$85,537	\$2,718,229	
18	Firm Sales: 1-300		235,050	1.1000	258,555		158,018
19	Firm Sales: 301-15000		232,688	0.7700	179,170		188,873
20	Firm Sales: Over 1500		3,337	0.5000	1,669		3,337
21	Firm Transport: 1-300			1.1000	-		-
22	Firm Transport: 301-15000			0.7700	-		-
23	Firm Transport: Over 1500			0.5000	-		-
24	CLASS TOTAL	2,396	471,075		\$524,930	\$3,243,159	Firm Ind Only (Excl Int Ind) 350,228
25							
26	INTERRUPTIBLE & TRANSPORT						
27	(Rates G-2, T-4 & T-3)						
28	Bills - G-2	129		344.07	\$44,385	\$971,734	
25	Bills - T-4	1,458		328.33	478,705		
26	Bills - T-3	791		329.24	280,429		
27	Bills - Sp K	216		300.00	64,800		
28							
29	Trans Admin Fee				121,675		
30	EFM Fee				105,800		
31	Parking Fee				23,700		
32	Interrupt Sales: 1-15000		203,770	0.6870	139,990		93,971
33	Interrupt Sales: Over 15000		7,874	0.4670	3,677		7,873
34	T-4 Firm Carriage: 1-300		419,682	1.1930	500,681		179,750
35	T-4 Firm Carriage: 301-15000		4,937,962	0.8351	4,123,692		2,398,181
36	T-4 Firm Carriage: Over 1500		702,807	0.5423	381,132		385,801
37	T-3 Interr Carriage: 1-15000		4,849,485	0.6822	3,308,318		2,139,157
38	T-3 Interr Carriage: Over 15000		2,237,100	0.4440	993,273		1,067,980
39	Special Contracts		13,467,418		1,372,968		5,766,328
40	CLASS TOTAL	2,594	28,826,097		\$11,923,225	\$12,594,959	Gas costs for Int Ind & Com Sales 11,937,197
41							
42	Service Charges				\$778,251		
43	Late Payment Fees				\$1,126,126		
44							
45	TOTAL REVENUES	2,078,493	42,314,981		\$65,109,730		22,476,049
46							
47					65109730.26	\$90,265,243	total Gas cost
					0	\$155,374,973	Total Rev

ATMOS ENERGY CORPORATION - KENTUCKY
 BILL FREQUENCY DATA
 TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	156,152	1,846,837		\$14.28	\$26,372,832
3	Sales: 1-300	1,766,342	1,653,701	1,186,992	390,660	317,706	187,557	153,499	173,896	146,388	306,999	857,775	1,215,197		8,356,911	1.1000	9,192,602
4	Sales: 301-15000	4,083	3,409	1,123	203	75	74	37	42	40	136	1,035	2,372		12,627	0.7700	9,723
5	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.6000	0
6	CLASS TOTAL (Mcf/month)	1,770,425	1,657,110	1,188,115	391,062	317,781	187,631	153,536	173,937	146,428	307,135	858,810	1,217,569	1,846,837	8,369,538		\$35,575,157
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258	17,705	207,762		35.70	\$7,417,103
10	Sales: 1-300	647,310	615,374	451,310	189,802	161,273	137,683	109,814	123,007	84,752	174,934	320,125	452,479		3,467,863	1.1000	3,814,650
11	Sales: 301-15000	70,356	65,966	39,582	12,592	9,855	12,963	22,330	41,684	67,956	39,657	27,984	39,226		450,172	0.7700	346,632
12	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
13	CLASS TOTAL (Mcf/month)	717,666	681,360	490,892	202,394	171,128	150,646	132,144	164,691	152,707	214,591	348,109	491,705	207,762	3,918,035		\$11,578,386
14																	
15	<u>FIRM INDUSTRIAL (Rate G-1)</u>																
16	FIRM BILLS	208	204	204	197	202	201	189	184	194	211	196	192	2,382		\$35.70	\$85,037
17	Sales: 1-300	41,246	32,984	31,547	16,569	13,095	9,891	6,944	10,151	8,091	11,306	22,470	29,214		233,509	1.1000	256,860
18	Sales: 301-15000	74,671	49,940	24,545	8,612	5,137	4,950	3,725	6,512	7,958	7,930	19,249	26,812		240,041	0.7700	184,631
19	Sales: Over 15000	3,337	0	0	0	0	0	0	0	0	0	0	0		3,337	0.5000	1,669
20	CLASS TOTAL (Mcf/month)	119,254	82,924	56,092	25,181	18,233	14,841	10,670	16,663	16,049	19,236	41,718	56,026	2,382	476,887		\$528,397
21																	
22	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
23	FIRM BILLS	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	1,596	18,904		\$35.70	\$674,873
24	Sales: 1-300	132,729	129,140	98,951	47,244	38,138	26,129	23,944	24,738	27,426	41,133	77,691	104,054		771,318	1.1000	848,450
25	Sales: 301-15000	45,940	39,493	22,872	7,222	6,391	3,541	1,417	5,233	3,212	12,880	17,223	30,384		196,309	0.7700	151,158
26	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
27	CLASS TOTAL (Mcf/month)	178,668	168,633	121,824	54,466	44,528	29,670	25,361	29,972	30,638	54,013	95,415	134,439	18,904	967,627		\$1,674,480
28																	
25	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>																
26	INT BILLS	3	3	3	3	4	2	2	2	3	4	4	4	37		344.07	\$12,731
27	Sales: 1-15000	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838		21,815	0.6870	14,987
28	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.4670	0
29	CLASS TOTAL (Mcf/month)	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	4,838	37	21,815		\$27,718
30																	
31	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>																
32	INT BILLS	9	9	8	9	9	8	6	10	7	9	8	9	101		344.07	\$34,761
33	Sales: 1-15000	12,876	11,922	12,035	13,335	16,790	27,539	27,230	30,769	32,104	31,778	34,850	21,764		272,991	0.6870	187,545
34	Sales: Over 15000	0	0	0	0	0	14,373	49,146	52,245	54,086	54,136	15,434	7,873		247,293	0.4670	115,486
35	CLASS TOTAL (Mcf/month)	12,876	11,922	12,035	13,335	16,790	41,912	76,376	83,014	86,190	85,914	50,284	29,637	101	520,284		\$337,782
36																	
37	<u>TRANSPORTATION (T-4)</u>																
38	TRANSPORTATION BILLS	119	119	121	121	121	121	123	123	124	124	123	124	1,463		328.33	\$480,347
39	Trans Admin Fee	\$5,900	\$5,900	\$5,950	\$5,950	\$5,950	\$5,950	\$6,050	\$6,050	\$6,100	\$6,100	\$6,050	\$6,050				72,000
40	EFM Fee	\$5,325	\$5,325	\$5,325	\$5,325	\$5,325	\$5,325	\$5,475	\$5,475	\$5,475	\$5,475	\$5,475	\$5,175				64,500
41	Parking Fee	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$67	\$72	\$88	\$224				1,791
42	Firm Transport: 1-300	35,514	35,517	35,137	34,807	33,813	33,690	33,132	33,565	34,155	36,245	36,586	36,653		418,814	1.1930	499,645
43	Firm Transport: 301-15000	518,266	479,662	400,100	365,325	348,918	327,880	308,835	336,457	330,171	418,414	469,786	476,937		4,780,751	0.8351	3,992,405
44	Firm Transport: Over 1500	55,879	43,559	35,513	25,909	25,936	25,735	18,750	32,393	31,579	41,703	51,597	80,563		470,216	0.5423	254,998
45	CLASS TOTAL (Mcf/month)	610,659	568,838	470,750	426,041	408,667	387,305	360,717	402,415	395,905	496,362	557,969	594,153	1,463	5,668,781		\$5,365,686

ATMOS ENERGY CORPORATION - KENTUCKY
 BILL FREQUENCY DATA
 TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
46	<u>TRANSPORTATION (T-3)</u>																
47	TRANSPORTATION BILLS	64	64	64	64	66	66	66	66	66	66	65	65	782		329.24	\$257,466
48	Trans Admin Fee	\$3,200	\$3,200	\$3,200	\$3,200	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$3,250				39,100
49	EFM Fee	\$2,550	\$2,525	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$2,550				31,275
50	Parking Fee	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$258				4,558
51	Interrupt Transport: 1-15000	444,777	421,495	389,189	389,518	394,954	378,227	362,369	381,407	376,699	439,233	452,458	424,698		4,835,024	0.6822	3,298,453
52	Interrupt Transport: Over 15000	277,361	244,305	194,625	166,441	189,966	168,090	139,951	163,234	146,445	202,415	182,689	165,000		2,230,522	0.4440	990,352
53	CLASS TOTAL (Mcf/month)	722,138	665,800	583,814	535,959	584,920	536,317	502,320	544,641	523,144	641,648	635,147	589,698	782	7,065,546		\$4,621,203
54																	
55	Pooling Fees	\$8,587	\$14,095	\$9,426	\$8,549	\$5,503	\$10,043	\$5,948	\$5,529	\$3,497	\$1,022	\$4,268	\$7,393				\$83,849
56																	
57	<u>SPECIAL CONTRACTS</u>																
58	TRANSPORTATION BILLS	18	18	18	18	18	18	18	18	18	18	18	18	216		300.00	\$64,800
59	Trans Admin Fee	\$875	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$850				10,375
60	EFM Fee	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$825				9,725
61	Parking Fee	\$2,181	\$1,375	\$1,074	\$1,125	\$1,598	\$1,845	\$3,641	\$954	\$1,221	\$585	\$919	\$647				17,352
62	Transported Volumes	1,303,342	1,154,553	1,101,545	1,112,398	1,164,351	1,076,180	1,039,956	1,134,314	1,060,003	1,098,888	1,063,713	1,068,175		13,377,418	Various	
63	Charges for Transport Volumes	\$130,888	\$119,468	\$113,421	\$114,370	\$117,340	\$112,814	\$106,204	\$113,661	\$105,245	\$112,171	\$107,729	\$111,556				1,364,868
64	CLASS TOTAL (Mcf/month)	1,303,342	1,154,553	1,101,545	1,112,398	1,164,351	1,076,180	1,039,956	1,134,314	1,060,003	1,098,888	1,063,713	1,068,175	216	13,377,418		\$1,467,120

ATMOS ENERGY CORPORATION - KENTUCKY
VOLUME AND CONTRACT ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS													0		\$14.28	\$0
3	Sales: 1-300	4,083	3,409	1,123	203	75	74	37	42	40	136	1,035	2,372		12,627	1.1000	13,890
4	Sales: 301-15000	(4,083)	(3,409)	(1,123)	(203)	(75)	(74)	(37)	(42)	(40)	(136)	(1,035)	(2,372)		(12,627)	0.7700	(9,723)
5	Sales: Over 15000						0								0	0.5000	0
6	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$4,167
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS															35.70	\$0
10	Sales: 1-300															1.1000	0
11	Sales: 301-15000															0.7700	0
12	Sales: Over 15000															0.5000	0
13	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
14																	
15	<u>FIRM INDUSTRIAL (Rate G-1)</u>																
16	FIRM BILLS	0	0	1	1	1	1	2	2	2	2	1	1	14		35.70	\$500
17	Sales: 1-300	0	(47)	102	26	(4)	(5)	0	300	300	367	202	300		1,541	1.1000	1,695
18	Sales: 301-15000	(3,143)	(2,495)	(932)	(693)	(322)	(168)	0	87	86	0	0	227		(7,353)	0.7700	(5,662)
19	Sales: Over 15000	0	0	0	0	0	0	0	0	0	0	0	0		0	0.5000	0
20	CLASS TOTAL (Mcf/month)	(3,143)	(2,542)	(830)	(667)	(326)	(173)	0	387	386	367	202	527	14	(5,812)		(\$3,467)
21																	
22	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
23	FIRM BILLS													0		35.70	\$0
24	Sales: 1-300														0	1.1000	0
25	Sales: 301-15000														0	0.7700	0
26	Sales: Over 15000														0	0.5000	0
27	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
28																	
25	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>																
26	INT BILLS													0		344.07	\$0
27	Sales: 1-15000														0	0.6870	0
28	Sales: Over 15000														0	0.4670	0
29	CLASS TOTAL (Mcf/month)	0	0	0	0	0	0	0	0	0	0	0	0	0	0		\$0
30																	
31	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>																
32	INT BILLS	(2)	(2)	(2)	(2)	(1)	0	0	0	0	0	0	0	(9)		344.07	(\$3,097)
33	Sales: 1-15000	0	0	(540)	(493)	(5)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	(15,000)	0		(91,038)	0.6870	(62,543)
34	Sales: Over 15000	0	0	0	0	0	(14,373)	(49,146)	(52,245)	(54,088)	(54,136)	(15,434)	0		(239,420)	0.4670	(111,809)
35	CLASS TOTAL (Mcf/month)	0	0	(540)	(493)	(5)	(29,373)	(64,146)	(67,245)	(69,088)	(69,136)	(30,434)	0	(9)	(330,458)		(\$177,449)
36																	

ATMOS ENERGY CORPORATION - KENTUCKY
VOLUME AND CONTRACT ADJUSTMENTS
TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
37	<u>TRANSPORTATION (T-4)</u>																
38	TRANSPORTATION BILLS	1	1	0	0	0	0	(1)	(1)	(1)	(2)	(1)	(1)	(5)		328.33	(\$1,642)
39	Trans Admin Fee	\$50	\$50	\$0	\$0	\$0	\$0	(\$50)	(\$50)	(\$50)	(\$100)	(\$50)	(\$50)				(250)
40	EFM Fee	\$75	\$75	\$0	\$0	\$0	\$0	(\$75)	(\$75)	(\$75)	(\$150)	(\$75)	(\$75)				(375)
41	Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
42	Firm Transport: 1-300	300	347	198	274	304	305	8	0	0	(367)	(202)	(300)		867	1.1930	1,034
43	Firm Transport: 301-15000	17,843	17,195	15,632	15,393	15,022	14,868	14,700	14,613	14,614	14,570	2,987	(227)		157,210	0.8351	131,286
44	Firm Transport: Over 1500	35,000	30,000	25,000	20,000	15,000	15,000	15,000	15,000	15,000	20,000	25,000	2,590		232,590	0.5423	126,134
45	CLASS TOTAL (Mcf/month)	53,143	47,542	40,830	35,667	30,326	30,173	29,708	29,613	29,614	34,203	27,765	2,063	(5)	390,667		\$256,187
46																	
47	<u>TRANSPORTATION (T-3)</u>																
48	TRANSPORTATION BILLS	2	2	2	2	1	0	0	0	0	0	0	0	9		329.24	\$2,963
49	Trans Admin Fee	\$100	\$100	\$100	\$100	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0				450
50	EFM Fee	\$150	\$150	\$150	\$150	\$75	\$0	\$0	\$0	\$0	\$0	\$0	\$0				675
38	Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
39	Interrupt Transport: 1-15000	2,000	2,000	2,540	2,493	5	2,000	0	0	2,000	1,422	0	0		14,460	0.6822	9,865
40	Interrupt Transport: Over 15000	0	0	0	0	2,000	0	0	0	0	578	2,000	2,000		6,578	0.4440	2,921
41	CLASS TOTAL (Mcf/month)	2,000	2,000	2,540	2,493	2,005	2,000	0	0	2,000	2,000	2,000	2,000	9	21,038		\$16,873
42																	
43	<u>SPECIAL CONTRACTS</u>																
44	TRANSPORTATION BILLS	0	0	0	0	0	0	0	0	0	0	0	0	0		300.00	\$0
45	Trans Admin Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
46	EFM Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
47	Parking Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				0
48	Transported Volumes	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000		90,000	Various	
49	Charges for Transport Volumes	\$1,200	\$1,200	\$1,200	\$1,200	(\$3,700)	(\$200)	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200				8,100
50	CLASS TOTAL (Mcf/month)	15,000	15,000	15,000	15,000	(55,000)	(5,000)	15,000	15,000	15,000	15,000	15,000	15,000	0	90,000		\$8,100

ATMOS ENERGY CORPORATION - KENTUCKY
 WEATHER ADJUSTMENT - BASE NOAA 1981-2010
 TWELVE MONTHS ENDED DECEMBER 31, 2012

Line No.	Class of Customers	Jan-12 (a)	Feb-12 (b)	Mar-12 (c)	Apr-12 (d)	May-12 (e)	Jun-12 (f)	Jul-12 (g)	Aug-12 (h)	Sep-12 (i)	Oct-12 (j)	Nov-12 (k)	Dec-12 (l)	Number Of Bills (m)	Mcf (n)	Rate (o)	Total Revenue (p)
1	<u>RESIDENTIAL (Rate G-1)</u>																
2	FIRM BILLS													0		\$14.28	\$0
3	Sales: 1-300	169,641	239,213	159,368	516,979	114,692	20,236	10,453	(10,454)	21,833	71,308	(36,448)	259,023		1,535,844	1.1000	1,689,428
4	Sales: 301-15000														0	0.7700	0
5	Sales: Over 15000														0	0.5000	0
6	CLASS TOTAL (Mcf/month)	169,641	239,213	159,368	516,979	114,692	20,236	10,453	(10,454)	21,833	71,308	(36,448)	259,023	0	1,535,844		\$1,689,428
7																	
8	<u>FIRM COMMERCIAL (Rate G-1)</u>																
9	FIRM BILLS													0		35.70	\$0
10	Sales: 1-300	17,722	36,469	48,868	179,479	64,329	12,478	13,783	(12,368)	(1,901)	3,779	18,323	85,297		466,238	1.1000	512,862
11	Sales: 301-15000	1,926	3,911	4,286	11,908	3,931	1,175	2,803	(4,196)	(1,523)	857	1,602	7,394		34,072	0.7700	26,235
12	Sales: Over 15000														0	0.5000	0
13	CLASS TOTAL (Mcf/month)	19,648	40,380	53,154	191,387	68,260	13,653	16,586	(16,586)	(3,424)	4,636	19,925	92,691	0	500,310		\$539,097
14																	
15	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>																
16	FIRM BILLS													0		35.70	\$0
17	Sales: 1-300	18,762	23,628	18,509	40,740	8,422	2,005	2,268	(1,982)	(2,382)	(3,477)	(1,866)	19,556		124,183	1.1000	136,601
18	Sales: 301-15000	6,484	7,226	4,278	6,228	1,412	272	134	(420)	(279)	(1,089)	(426)	5,709		29,539	0.7700	22,745
19	Sales: Over 15000														0	0.5000	0
20	CLASS TOTAL (Mcf/month)	25,256	30,854	22,787	46,968	9,834	2,277	2,402	(2,402)	(2,661)	(4,566)	(2,292)	25,265	0	153,722		\$159,346

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
Reference Period Ended DECEMBER 31, 2012
(Weather Basis: 30-years ending 2010)

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volumes	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Residential - Class 1 Rate 1</u>													
1	Jan-12	774	927	0.0122	11.3201	1.0790	12.3991	156,468	1,940,066	1,770,425	169,641	944	1,975,368
2	Feb-12	753	903	0.0122	11.0270	1.0790	12.1060	156,643	1,896,323	1,657,110	239,213	735	1,577,219
3	Mar-12	440	616	0.0122	7.5223	1.0790	8.6013	156,660	1,347,483	1,188,115	159,368	538	1,199,979
4	Apr-12	143	391	0.0122	4.7747	1.0790	5.8537	155,122	908,041	391,062	516,979	247	636,175
5	May-12	107	140	0.0122	1.7096	1.0790	2.7886	155,085	432,473	317,781	114,692	68	296,544
6	Jun-12	8	23	0.0122	0.2809	1.0790	1.3599	152,852	207,867	187,631	20,236	1	167,036
7	Jul-12	0	0	0.0122	0.0000	1.0790	1.0790	151,980	163,989	153,536	10,453	0	164,224
8	Aug-12	0	0	0.0122	0.0000	1.0790	1.0790	151,511	163,483	173,937	(10,454)	0	163,717
9	Sep-12	0	3	0.0122	0.0366	1.0790	1.1156	150,823	168,261	146,428	21,833	36	229,373
10	Oct-12	164	116	0.0122	1.4165	1.0790	2.4955	151,649	378,443	307,135	71,308	228	586,696
11	Nov-12	425	355	0.0122	4.3351	1.0790	5.4141	151,892	822,362	858,810	(36,448)	510	1,111,447
12	Dec-12	538	686	0.0122	8.3771	1.0790	9.4561	156,152	<u>1,476,592</u>	<u>1,217,569</u>	<u>259,023</u>	853	1,797,606
13													
14	Total	<u>3,352</u>	<u>4,160</u>			1.0790		153,903	<u>9,905,383</u>	<u>8,369,538</u>	<u>1,535,844</u>	4,160	<u>9,905,384</u>
15	Average Usage / Customer								64.36	54.38			

**Atmos Energy - Kentucky
Normalization Of Volumes For Weather
Reference Period Ended DECEMBER 31, 2012**

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volume (I)	Weather Adjustment	Normal HDDs (l)	Normalized Including Unbilled (m)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Commercial - Class 2 Rate 1</u>													
1	Jan-12	774	927	0.0353	32.7167	8.7964	41.5131	17,761	737,314	717,666	19,648	944	748,686
2	Feb-12	753	903	0.0353	31.8696	8.7964	40.6660	17,748	721,740	681,360	40,380	735	617,099
3	Mar-12	440	616	0.0353	21.7405	8.7964	30.5369	17,816	544,046	490,892	53,154	538	495,475
4	Apr-12	143	391	0.0353	13.7996	8.7964	22.5960	17,427	393,781	202,394	191,387	247	305,505
5	May-12	107	140	0.0353	4.9410	8.7964	13.7374	17,426	239,388	171,128	68,260	68	195,294
6	Jun-12	8	23	0.0353	0.8117	8.7964	9.6081	17,100	164,299	150,646	13,653	1	151,167
7	Jul-12	0	0	0.0353	0.0000	8.7964	8.7964	16,908	148,730	132,144	16,586	0	148,872
8	Aug-12	0	0	0.0353	0.0000	8.7964	8.7964	16,837	148,105	164,691	(16,586)	0	148,247
9	Sep-12	0	3	0.0353	0.1059	8.7964	8.9023	16,769	149,283	152,707	(3,424)	36	168,975
10	Oct-12	164	116	0.0353	4.0940	8.7964	12.8904	17,007	219,227	214,591	4,636	228	286,727
11	Nov-12	425	355	0.0353	12.5290	8.7964	21.3254	17,258	368,034	348,109	19,925	510	462,886
12	Dec-12	538	686	0.0353	24.2110	8.7964	33.0074	17,705	<u>584,396</u>	491,705	<u>92,691</u>	853	689,409
13													
14	Total	<u>3,352</u>	<u>4,160</u>			8.7964		17,314	<u>4,418,343</u>	<u>3,918,035</u>	<u>500,310</u>	4,160	<u>4,418,342</u>
15	Average Usage / Customer								255.20	226.30			

Note I - Adjusted for volume and contract adjustments, if any.

Atmos Energy - Kentucky
Normalization Of Volumes For Weather
Reference Period Ended DECEMBER 31, 2012

Line No.	Month	Lagged Actual HDDs	Lagged Normal HDDs	X Coefficient	Product	Constant	Normalized Usage per Customer	No. of Customers	Normalized Volumes	Actual Volume (1)	Weather Adjustment	Normal HDDs	Normalized Including Unbilled
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Public Authority - Class 4 Rate 1</u>													
1	Jan-12	774	927	0.1203	111.5499	17.5160	129.0659	1,580	203,924	178,668	25,256	944	207,220
2	Feb-12	753	903	0.1203	108.6619	17.5160	126.1779	1,581	199,487	168,633	30,854	735	167,577
3	Mar-12	440	616	0.1203	74.1259	17.5160	91.6419	1,578	144,611	121,824	22,787	538	129,839
4	Apr-12	143	391	0.1203	47.0507	17.5160	64.5667	1,571	101,434	54,466	46,968	247	74,234
5	May-12	107	140	0.1203	16.8468	17.5160	34.3628	1,582	54,362	44,528	9,834	68	40,668
6	Jun-12	8	23	0.1203	2.7677	17.5160	20.2837	1,575	31,947	29,670	2,277	1	27,786
7	Jul-12	0	0	0.1203	0.0000	17.5160	17.5160	1,585	27,763	25,361	2,402	0	27,771
8	Aug-12	0	0	0.1203	0.0000	17.5160	17.5160	1,574	27,570	29,972	(2,402)	0	27,579
9	Sep-12	0	3	0.1203	0.3610	17.5160	17.8770	1,565	27,977	30,638	(2,661)	36	34,203
10	Oct-12	164	116	0.1203	13.9588	17.5160	31.4748	1,571	49,447	54,013	(4,566)	228	70,641
11	Nov-12	425	355	0.1203	42.7187	17.5160	60.2347	1,546	93,123	95,415	(2,292)	510	121,996
12	Dec-12	538	686	0.1203	82.5493	17.5160	100.0653	1,596	159,704	134,439	25,265	853	191,836
13													
14	Total	<u>3,352</u>	<u>4,160</u>			17.5160		1,575	<u>1,121,349</u>	<u>967,627</u>	<u>153,722</u>	4,160	<u>1,121,350</u>
15	Average Usage / Customer								711.82	614.24			

Note 1 - Adjusted for volume and contract adjustments.

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014

Line No.	Class of Customers	Rate	Dec-13 (a)	Jan-14 (b)	Feb-14 (c)	Mar-14 (d)	Apr-14 (e)	May-14 (f)	Jun-14 (g)	Jul-14 (h)	Aug-14 (i)	Sep-14 (j)	Oct-14 (k)	Nov-14 (l)	Total Billing Units (m)
1	<u>RESIDENTIAL (Rate G-1)</u>														
2	FIRM BILLS	\$14.28	156,152	155,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	1,846,837
3	Sales: 1-300	1.1000	1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	796,603	9,637,652
4	Sales: 301-15000	0.7700	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0
6	CLASS TOTAL (Mcf/month)		1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	796,603	9,637,652
7	Gas Charge per Mcf	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
8	Gas Costs		\$8,359,199	\$10,849,533	\$10,585,987	\$7,512,322	\$5,051,623	\$2,442,882	\$1,156,682	\$905,575	\$910,701	\$938,463	\$2,152,940	\$4,648,846	\$55,514,753
9															
10	<u>FIRM COMMERCIAL (Rate G-1)</u>														
11	FIRM BILLS	35.70	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258	207,762
12	Sales: 1-300	1.1000	530,185	644,857	632,180	486,471	360,599	222,479	149,673	123,597	110,619	82,813	176,529	330,795	3,850,797
13	Sales: 301-15000	0.7700	45,962	70,089	67,789	42,666	23,924	13,595	14,092	25,133	37,486	66,401	40,018	28,917	476,072
14	Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0
15	CLASS TOTAL (Mcf/month)		576,147	714,946	699,969	529,137	384,523	235,074	163,765	148,730	148,105	149,214	216,547	359,712	4,326,869
16	Gas Charge per Mcf	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
17	Gas Costs		\$3,304,426	\$4,100,491	\$4,007,738	\$3,029,623	\$2,201,622	\$1,382,588	\$959,104	\$871,050	\$875,000	\$881,552	\$1,279,353	\$2,093,963	\$24,986,511
18															
19	<u>FIRM INDUSTRIAL (Rate G-1)</u>														
20	FIRM BILLS	\$35.70	193	208	204	205	198	203	202	191	186	196	213	197	2,395
21	Sales: 1-300	1.1000	29,514	41,246	32,937	31,649	16,595	13,091	9,886	6,944	10,451	8,391	11,673	22,672	235,050
22	Sales: 301-15000	0.7700	27,039	71,528	47,445	23,613	7,919	4,815	4,782	3,725	6,599	8,044	7,930	19,249	232,688
23	Sales: Over 15000	0.5000	0	3,337	0	0	0	0	0	0	0	0	0	0	3,337
24	CLASS TOTAL (Mcf/month)		56,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	471,075
25	Gas Charge per Mcf	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
26	Gas Costs		\$324,356	\$665,940	\$460,234	\$316,408	\$140,358	\$104,872	\$85,904	\$62,488	\$100,731	\$97,096	\$115,816	\$244,027	\$2,718,229
27															
28	<u>FIRM PUBLIC AUTHORITY (Rate G-1)</u>														
29	FIRM BILLS	\$35.70	1,596	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	18,904
26	Sales: 1-300	1.1000	119,641	141,815	143,006	109,900	82,260	43,431	26,156	24,337	21,128	23,257	35,110	70,878	840,919
27	Sales: 301-15000	0.7700	34,935	49,064	43,734	25,403	12,574	7,278	3,544	1,440	4,470	2,724	10,994	16,169	212,349
28	Sales: Over 15000	0.5000	0	0	0	0	0	0	0	0	0	0	0	0	0
29	CLASS TOTAL (Mcf/month)		154,576	190,899	186,740	135,303	94,834	50,709	29,700	25,777	25,598	25,981	46,104	87,047	1,053,268
30	Gas Charge per Mcf	\$5.74	\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
31	Gas Costs		\$886,553	\$1,094,879	\$1,069,197	\$774,690	\$542,981	\$296,982	\$173,941	\$150,965	\$151,232	\$153,495	\$272,381	\$506,720	\$6,074,016
32															
33	<u>INTERRUPTIBLE COMMERCIAL (G-2)</u>														
34	INT BILLS	344.07	4	3	3	3	3	4	2	2	2	3	4	4	37
35	Sales: 1-15000	0.6870	4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	21,816
36	Sales: Over 15000	0.4670	0	0	0	0	0	0	0	0	0	0	0	0	0
37	CLASS TOTAL (Mcf/month)		4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	21,816
38	Gas Charge per Mcf	\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
39	Gas Costs		\$21,910	\$8,681	\$8,763	\$7,332	\$3,060	\$273	\$219	\$195	\$142	\$15,116	\$7,796	\$26,346	\$99,834
40															
41	<u>INTERRUPTIBLE INDUSTRIAL (G-2)</u>														
42	INT BILLS	344.07	9	7	7	6	7	8	8	6	10	7	9	8	92
43	Sales: 1-15000	0.6870	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	181,954
44	Sales: Over 15000	0.4670	7,873	0	0	0	0	0	0	0	0	0	0	0	7,873
45	CLASS TOTAL (Mcf/month)		29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	189,827
46	Gas Charge per Mcf	\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
47	Gas Costs		\$134,210	\$58,308	\$53,656	\$51,732	\$57,798	\$77,738	\$58,075	\$56,643	\$73,843	\$80,096	\$78,569	\$91,232	\$871,900
48															

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014

Line No.	Class of Customers	Rate	Dec-13 (a)	Jan-14 (b)	Feb-14 (c)	Mar-14 (d)	Apr-14 (e)	May-14 (f)	Jun-14 (g)	Jul-14 (h)	Aug-14 (i)	Sep-14 (j)	Oct-14 (k)	Nov-14 (l)	Total Billing Units (m)
49	<u>TRANSPORTATION (T-4)</u>														
50	TRANSPORTATION BILLS	328.33	123	120	120	121	121	121	121	122	122	123	122	122	1,458
51	Trans Admin Fee		\$8,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000	\$71,750
52	EFM Fee		\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	\$64,125
53	Parking Fee		\$224	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$86	\$1,791
54	Firm Transport: 1-300	1.1930	36,353	35,814	35,864	36,335	35,081	34,117	33,995	33,140	33,565	34,155	35,878	36,384	419,682
55	Firm Transport: 301-15000	0.8351	476,710	536,109	496,857	415,732	380,718	363,940	342,748	323,535	351,070	344,785	432,984	472,773	4,937,952
56	Firm Transport: Over 1500	0.5423	83,153	91,879	73,659	60,513	45,909	40,936	40,735	33,750	47,393	46,579	61,703	76,597	702,807
57	CLASS TOTAL (Mcf/month)		596,216	663,802	606,380	511,580	461,708	438,993	417,478	390,425	432,028	425,519	530,565	585,754	6,060,448
58															
59	<u>TRANSPORTATION (T-3)</u>														
60	TRANSPORTATION BILLS	329.24	65	66	66	66	66	67	66	66	66	66	66	65	791
61	Trans Admin Fee		\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,360	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$39,550
62	EFM Fee		\$2,550	\$2,700	\$2,775	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$31,950
63	Parking Fee		\$258	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$4,558
64	Interrupt Transport: 1-15000	0.6822	424,698	446,777	423,495	391,729	372,011	394,959	380,227	362,369	381,407	378,699	440,655	452,458	4,849,485
65	Interrupt Transport: Over 15000	0.4440	167,000	277,361	244,305	194,625	166,441	191,966	158,090	139,951	163,234	146,445	202,993	184,689	2,237,100
66	CLASS TOTAL (Mcf/month)		591,698	724,138	667,800	586,354	538,452	586,925	538,317	502,320	544,641	525,144	643,648	637,147	7,086,585
67															
68	<u>SPECIAL CONTRACTS</u>														
69	TRANSPORTATION BILLS	300.00	18	18	18	18	18	18	18	18	18	18	18	18	216
70	Trans Admin Fee		\$850	\$875	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$10,375
71	EFM Fee		\$825	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$9,725
72	Parking Fee		\$847	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$585	\$919	\$17,352
73	Transported Volumes	Various	1,063,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418
74	Charges for Transport Volumes		\$112,756	\$132,088	\$120,668	\$114,821	\$115,570	\$113,640	\$112,614	\$107,404	\$114,861	\$105,445	\$113,371	\$108,929	\$1,372,968
75	CLASS TOTAL (Mcf/month)		1,063,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418
76															
77	<u>OTHER REVENUE</u>														
78	Service Charges		\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,826	\$104,999	\$778,251
79	Late Payment Fees		\$146,365	\$180,463	\$176,810	\$134,462	\$99,838	\$63,821	\$45,620	\$41,913	\$41,858	\$42,037	\$59,092	\$93,848	\$1,126,126
80															
81	TOTAL GROSS PROFIT		\$6,646,917	\$7,517,228	\$7,333,403	\$6,315,199	\$5,486,089	\$4,738,791	\$4,281,194	\$4,133,745	\$4,198,196	\$4,171,606	\$4,768,376	\$5,528,980	\$65,109,726
82	Gas Costs		\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817	\$3,906,855	\$7,611,134	\$90,265,243
83	TOTAL REVENUE		\$19,677,570	\$24,295,061	\$23,518,978	\$18,007,307	\$13,483,531	\$9,044,127	\$6,715,120	\$6,180,662	\$6,309,845	\$6,337,423	\$8,665,230	\$13,140,114	\$155,374,969

ATMOS ENERGY CORPORATION - KENTUCKY
 SUMMARY OF REVENUE AT PROPOSED RATES
 TEST YEAR ENDING NOVEMBER 30, 2014

Line No.	Description	Block (Mcf)	Reference Period - Twelve Months Ending 12/31/2012				Forward-looking Adjustments To Test Year		Total Test Year Volumes (i)	Proposed Margin (j)	Proposed Revenue (k)	
			Number of Bills, Units (a)	Volumes As Metered (b)	Contract Adj. Bills and Volumes (c)	Weather Adj. Volumes (NOAA 1991-2010) (d)	Total Volumes (e)	Customer Growth Forecast (f)				Conservation & Efficiency Adjustments (g)
1	Sales											
2	Firm Sales (G-1)	Customer Chrg	1,846,837						0	\$16.00	\$29,549,392	
3		Customer Chrg	229,048		14					40.00	9,162,480	
4		0 - 300		12,829,601	14,168	2,126,265	14,970,035		0	(405,617)	14,564,418	
5		301 - 15,000		899,149	(19,980)	63,611	942,780			(21,671)	921,109	
6		Over 15,000		3,337	0	0	3,337			0	3,337	
7	Interruptible Sales (G-2)	Customer Chrg	138		(9)						350.00	45,150
8		0 - 15,000		294,806	(91,038)		203,768				0.7920	161,364
9		Over 15,000		247,293	(239,420)		7,873				0.5310	4,181
10												
11	Transportation											
12	Customer Charges (T-4)	Customer Chrg	1,463		(5)						350.00	510,300
13	Customer Charges (T-3)	Customer Chrg	782		9						350.00	276,650
14	Customer Charges (SpK)	Customer Chrg	216		0						300.00	64,800
15	Transp. Adm. Fee	Customer Chrg	2,430		4						50.00	121,675
16	Parked Volumes [1]			237,004	0						0.10	23,700
17	EFM Charges										Various	105,800
18	Firm Transportation (T-4)	0 - 300		418,814	867		419,681				1.6320	684,919
19		301 - 15,000		4,780,751	157,210		4,937,961				0.8800	4,345,406
20		Over 15,000		470,216	232,590		702,806				0.6200	435,740
21	Interruptible Transportation (T-3)	0 - 15,000		4,835,024	14,460		4,849,484				0.7920	3,840,791
22		Over 15,000		2,230,522	6,578		2,237,100				0.5310	1,187,900
23	Total Special Contracts [2]			13,377,418	90,000		13,467,418				Various	1,372,968
24	Total Tariff		2,078,484	40,366,931	165,435	2,189,876	42,742,242	0	(427,287)	42,314,955		76,475,211
25												
26	Other Revenues											778,251
27	Late Payment Fees											1,126,126
28	Total Gross Profit											78,379,588
29												
30	Gas Costs											90,265,243
31												
32	Total Revenue											\$ 168,644,831

34 [1] Parked Volumes not included in Total Deliveries.

35 [2] Based on confidential information.

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014
PROPOSED RATES

Line No.	Class of Customers	Rate	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	RESIDENTIAL (Rate G-1)														
2	FIRM BILLS	\$16.00	156,152	156,468	156,643	156,660	155,122	155,085	152,852	151,980	151,511	150,823	151,649	151,892	1,846,837
3	Sales: 1-300	1.6320	1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	9,637,652
4	Sales: 301-15000	0.8800	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	0
6	CLASS TOTAL (Mcf/month)		1,457,478	1,891,683	1,848,889	1,312,060	882,288	417,117	197,501	154,625	154,148	158,847	364,413	798,603	9,637,652
7	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
8	Gas Costs		\$8,359,199	\$10,849,533	\$10,585,987	\$7,512,322	\$5,051,623	\$2,442,882	\$1,156,682	\$905,575	\$910,701	\$938,463	\$2,152,940	\$4,648,846	\$55,514,753
9															
10	FIRM COMMERCIAL (Rate G-1)														
11	FIRM BILLS	40.00	17,705	17,761	17,748	17,816	17,427	17,426	17,100	16,908	16,837	16,769	17,007	17,258	207,762
12	Sales: 1-300	1.6320	530,185	644,857	632,180	486,471	360,599	222,479	149,673	123,597	110,619	82,813	176,529	330,795	3,850,797
13	Sales: 301-15000	0.8800	45,962	70,089	67,789	42,666	23,924	13,595	14,092	25,133	37,486	66,401	40,018	28,917	476,072
14	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	0
15	CLASS TOTAL (Mcf/month)		576,147	714,946	699,969	529,137	384,523	236,074	163,765	148,730	148,105	149,214	216,547	359,712	4,326,869
16	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
17	Gas Costs		\$3,304,426	\$4,100,491	\$4,007,738	\$3,029,623	\$2,201,622	\$1,382,588	\$959,104	\$871,050	\$875,000	\$881,552	\$1,279,353	\$2,093,963	\$24,986,511
18															
19	FIRM INDUSTRIAL (Rate G-1)														
20	FIRM BILLS	\$40.00	193	208	204	205	198	203	202	191	186	196	213	197	2,396
21	Sales: 1-300	1.6320	29,514	41,246	32,937	31,649	16,595	13,091	9,886	6,944	10,451	8,391	11,673	22,672	235,050
22	Sales: 301-15000	0.8800	27,039	71,528	47,445	23,613	7,919	4,815	4,782	3,725	6,599	8,044	7,930	19,249	232,688
23	Sales: Over 15000	0.6200	0	3,337	0	0	0	0	0	0	0	0	0	0	3,337
24	CLASS TOTAL (Mcf/month)		56,553	116,111	80,382	55,262	24,514	17,907	14,668	10,670	17,050	16,435	19,603	41,920	471,075
25	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
26	Gas Costs		\$324,356	\$665,940	\$460,234	\$316,408	\$140,358	\$104,872	\$85,904	\$62,488	\$100,731	\$97,096	\$115,816	\$244,027	\$2,718,229
27															
28	FIRM PUBLIC AUTHORITY (Rate G-1)														
25	FIRM BILLS	\$40.00	1,596	1,580	1,581	1,578	1,571	1,582	1,575	1,585	1,574	1,565	1,571	1,546	18,904
26	Sales: 1-300	1.6320	119,641	141,815	143,006	109,900	82,260	43,431	26,156	24,337	21,128	23,257	35,110	70,878	840,919
27	Sales: 301-15000	0.8800	34,935	49,084	43,734	25,403	12,574	7,278	3,544	1,440	4,470	2,724	10,994	16,169	212,349
28	Sales: Over 15000	0.6200	0	0	0	0	0	0	0	0	0	0	0	0	0
29	CLASS TOTAL (Mcf/month)		154,576	190,899	186,740	135,303	94,834	50,709	29,700	25,777	25,598	25,981	46,104	87,047	1,053,268
30	Gas Charge per Mcf		\$5.74	\$5.74	\$5.73	\$5.73	\$5.73	\$5.86	\$5.86	\$5.86	\$5.91	\$5.91	\$5.91	\$5.82	
31	Gas Costs		\$886,553	\$1,094,879	\$1,069,197	\$774,690	\$542,981	\$296,982	\$173,941	\$150,965	\$151,232	\$153,495	\$272,381	\$506,720	\$6,074,016
32															
33	INTERRUPTIBLE COMMERCIAL (G-2)														
34	INT BILLS	350.00	4	3	3	3	3	4	2	2	2	3	4	4	37
35	Sales: 1-15000	0.7920	4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	21,816
36	Sales: Over 15000	0.5310	0	0	0	0	0	0	0	0	0	0	0	0	1
37	CLASS TOTAL (Mcf/month)		4,838	1,917	1,947	1,629	680	59	47	42	30	3,228	1,665	5,732	21,816
38	Gas Charge per Mcf		\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
39	Gas Costs		\$21,910	\$8,681	\$8,763	\$7,332	\$3,060	\$273	\$219	\$195	\$142	\$15,116	\$7,796	\$26,346	\$99,834
40															
41	INTERRUPTIBLE INDUSTRIAL (G-2)														
42	INT BILLS	350.00	9	7	7	6	7	8	8	6	10	7	9	8	92
43	Sales: 1-15000	0.7920	21,764	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	181,954
44	Sales: Over 15000	0.5310	7,873	0	0	0	0	0	0	0	0	0	0	0	7,874
45	CLASS TOTAL (Mcf/month)		29,637	12,876	11,922	11,495	12,842	16,785	12,539	12,230	15,769	17,104	16,778	19,850	189,827
46	Gas Charge per Mcf		\$4.53	\$4.53	\$4.50	\$4.50	\$4.50	\$4.63	\$4.63	\$4.63	\$4.68	\$4.68	\$4.68	\$4.60	
47	Gas Costs		\$134,210	\$58,308	\$53,656	\$51,732	\$57,798	\$77,738	\$58,075	\$56,643	\$73,843	\$80,096	\$78,569	\$91,232	\$871,900
48															

ATMOS ENERGY CORPORATION - KENTUCKY
BILL FREQUENCY WITH KNOWN & MEASURABLE ADJUSTMENTS
TEST YEAR ENDING NOVEMBER 30, 2014
PROPOSED RATES

Line No.	Class of Customers	Rate	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
49	<u>TRANSPORTATION (T-4)</u>														
50	TRANSPORTATION BILLS	350.00	123	120	120	121	121	121	121	122	122	123	122	122	1,458
51	Trans Admin Fee		\$6,000	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$5,950	\$6,000	\$6,000	\$6,050	\$6,000	\$6,000	\$71,750
52	EFM Fee		\$5,100	\$5,400	\$5,400	\$5,325	\$5,325	\$5,325	\$5,325	\$5,400	\$5,400	\$5,400	\$5,325	\$5,400	\$64,125
53	Parking Fee		\$224	\$346	\$336	\$126	\$125	\$163	\$128	\$82	\$45	\$57	\$72	\$88	\$1,791
54	Firm Transport: 1-300	1.6320	36,353	35,814	35,864	35,335	35,081	34,117	33,995	33,140	33,565	34,155	35,878	36,384	419,683
55	Firm Transport: 301-15000	0.8800	476,710	536,109	496,857	415,732	380,718	363,940	342,748	323,535	351,070	344,785	432,984	472,773	4,937,962
56	Firm Transport: Over 1500	0.6200	83,153	91,879	73,659	60,513	45,909	40,936	40,735	33,750	47,393	46,579	61,703	76,597	702,807
57	CLASS TOTAL (Mcf/month)		596,216	663,802	606,380	511,580	461,708	438,993	417,478	390,425	432,028	425,519	530,565	585,754	6,060,448
58															
59	<u>TRANSPORTATION (T-3)</u>														
60	TRANSPORTATION BILLS	350.00	65	66	66	66	66	67	66	66	66	66	66	65	791
61	Trans Admin Fee		\$3,250	\$3,300	\$3,300	\$3,300	\$3,300	\$3,350	\$3,300	\$3,300	\$3,300	\$3,300	\$3,300	\$3,250	\$39,550
62	EFM Fee		\$2,550	\$2,700	\$2,775	\$2,775	\$2,775	\$2,700	\$2,625	\$2,625	\$2,625	\$2,625	\$2,625	\$2,550	\$31,950
63	Parking Fee		\$258	\$548	\$518	\$440	\$320	\$420	\$429	\$322	\$450	\$339	\$313	\$202	\$4,558
64	Interrupt Transport: 1-15000	0.7920	424,698	446,777	423,495	391,729	372,011	394,959	380,227	362,369	381,407	378,699	440,655	452,458	4,849,485
65	Interrupt Transport: Over 15000	0.5310	167,000	277,361	244,305	194,625	166,441	191,966	158,090	139,951	163,234	146,445	202,993	184,689	2,237,101
66	CLASS TOTAL (Mcf/month)		591,698	724,138	667,800	586,354	538,452	586,925	538,317	502,320	544,641	525,144	643,648	637,147	7,086,585
67															
68	<u>SPECIAL CONTRACTS</u>														
69	TRANSPORTATION BILLS	300.00	18	18	18	18	18	18	18	18	18	18	18	18	216
70	Trans Admin Fee		\$850	\$875	\$875	\$875	\$875	\$875	\$875	\$875	\$850	\$850	\$850	\$850	\$10,375
71	EFM Fee		\$825	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$825	\$825	\$825	\$825	\$9,725
72	Parking Fee		\$847	\$2,181	\$1,375	\$1,074	\$1,125	\$1,588	\$1,845	\$3,641	\$954	\$1,221	\$585	\$919	\$17,352
73	Transported Volumes	Various	1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418
74	Charges for Transport Volumes		\$112,756	\$132,088	\$120,668	\$114,621	\$115,570	\$113,640	\$112,614	\$107,404	\$114,861	\$106,445	\$113,371	\$108,929	\$1,372,968
75	CLASS TOTAL (Mcf/month)		1,083,175	1,318,342	1,169,553	1,116,545	1,127,398	1,109,351	1,071,180	1,054,956	1,149,314	1,075,003	1,113,888	1,078,713	13,467,418
76															
77	<u>OTHER REVENUE</u>														
78	Service Charges		\$64,443	\$61,917	\$60,753	\$49,210	\$47,570	\$49,815	\$48,845	\$44,569	\$56,408	\$64,896	\$124,826	\$104,999	\$778,251
79	Late Payment Fees		\$158,514	\$195,143	\$191,249	\$145,742	\$108,509	\$69,677	\$50,079	\$46,052	\$46,929	\$46,028	\$64,445	\$101,930	\$1,223,298
80															
81	TOTAL GROSS PROFIT		\$8,272,505	\$9,479,002	\$9,249,293	\$7,826,666	\$6,659,666	\$5,567,581	\$4,930,421	\$4,736,632	\$4,801,835	\$4,763,227	\$5,536,577	\$6,653,355	\$78,476,760
82	Gas Costs		\$13,030,653	\$16,777,832	\$16,185,575	\$11,692,108	\$7,997,442	\$4,305,335	\$2,433,925	\$2,046,916	\$2,111,649	\$2,165,817	\$3,906,855	\$7,611,134	\$90,265,243
83	TOTAL REVENUE		\$21,303,159	\$26,256,834	\$25,434,869	\$19,518,774	\$14,657,108	\$9,872,916	\$7,364,346	\$6,783,548	\$6,913,484	\$6,929,044	\$9,443,432	\$14,264,490	\$168,742,003

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-29
Page 1 of 1

REQUEST:

Refer to the exhibits to the Martin Testimony. None of the exhibits contain a schedule showing the calculation of the proposed increase to each of the following rate categories: Residential (G-1), Firm Commercial (G-1), Firm Industrial (G-1), Firm Public Authority (G-1), Interruptible Commercial (G-2), Interruptible Industrial (G-2), Transportation (T-3), Transportation (1-4), and Special Contracts. Provide a schedule showing these calculations in Excel spreadsheet format with the formulae intact and unprotected and all rows and columns accessible.

RESPONSE:

Please see Attachment 1 for the requested information. This same information, integrated in the primary revenue model is provided in Attachment 1 to the Company's response to Staff DR No. 2-28 (Staff_2-28_Att1 - KY Revenue & Billing Unit Forecast (Updated for Staff Set 2).xlsx).

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-29_Att1 - Rev Change by Class.xlsx, 1 Page.

Respondent: Mark Martin

Atmos Energy Corporation, Kentucky/Mid-States Division
Kentucky Jurisdiction Case No. 2013-00148
Revenue Change by Class and Tariff Type

Line No.	Class of Customers	Revenue at Current Rates	Revenue at Proposed Rates	Proposed Revenue Change	Proposed % Change
	(a)	(b)	(c)	(d)	(e)
1	RESIDENTIAL (Rate G-1)	\$92,489,003	\$100,792,793	\$8,303,791	9.0%
2	FIRM COMMERCIAL (Rate G-1)	\$37,006,066	\$40,000,435	\$2,994,369	8.1%
3	FIRM INDUSTRIAL (Rate G-1)	\$3,243,159	\$3,404,505	\$161,346	5.0%
4	FIRM PUBLIC AUTHORITY (Rate G-1)	\$7,837,409	\$8,389,423	\$552,014	7.0%
5	INTERRUPTIBLE COMMERCIAL (G-2)	\$127,552	\$130,062	\$2,509	2.0%
6	INTERRUPTIBLE INDUSTRIAL (G-2)	\$1,032,234	\$1,052,387	\$20,154	2.0%
7	TRANSPORTATION (T-4)	\$5,621,876	\$6,114,030	\$492,155	8.8%
8	TRANSPORTATION (T-3)	\$4,638,077	\$5,381,599	\$743,522	16.0%
9	SPECIAL CONTRACTS	\$1,475,220	\$1,475,220	\$0	0.0%
10	OTHER REVENUE	\$1,904,377	\$2,001,549	\$97,171	5.1%
11					
12	TOTAL REVENUE	\$155,374,973	\$168,742,003	\$13,367,030	8.6%
13	Gas Costs	\$90,265,243	\$90,265,243	\$0	0.0%
14	TOTAL GROSS PROFIT	\$65,109,730	\$78,476,760	\$13,367,030	20.5%

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Atmos Energy Corporation, Kentucky Division
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Question No. 2-30
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REQUEST:

Refer to the table on page 12 of the Testimony of Joshua C. Densman ("Densman Testimony"). In four of the five most recent fiscal years shown in the table, the budget variance for Atmos's operating and maintenance ("O&M") expenses has been positive, meaning that actual expenses exceeded amounts budgeted.

- a. Explain why the O&M expenses budget variance has been positive with the degree of consistency demonstrated by the table.
- b. The largest positive variance in dollars and by percentage occurred in the most recent fiscal year, fiscal year 2012, during which actual O&M expenses were \$23.54 million, nearly \$1.2 million greater than the amount budgeted. Identify and describe the factors that contributed to actual O&M expenses exceeding budgeted O&M expenses by this amount, which equates to a 5.3 percent variance.

RESPONSE:

- a) For the years 2008 through 2012, the Company's budget variance was within 5.3% over or under budget for each year. While our goal is to have our budget track our actual expenses through the Fiscal Year, it is impractical due to unexpected expenses and circumstances. Cumulatively, Atmos Energy believes that its actuals have tracked closely to budgeted amounts over the referenced period, at approximately a 1.4% variance.
- b) The factors contributing most to actual O&M expenses exceeding budgeted amounts for FY 2012 were two different legal settlements.

Respondent: Josh Densman

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-31
Page 1 of 1

REQUEST:

Refer to the table on page 12 of the Densman Testimony and Exhibit JCD 1, which provides a comparison of O&M expenses between the base period and the forecasted test period. A comparison of the total O&M expenses projected for the test period of \$26,697,690 and the actual O&M expenses in fiscal year 2012 of \$23,540,000 reflects an increase of \$3,157,690, or 13.4 percent, over a period of 26 months, a rate of more than 6 percent annually. Over the period 2008-1012 shown in the table, the average annual increase in actual O&M expenses was roughly 1.3 percent. Explain in detail why the costs that make up Atmos's O&M expenses are projected to increase at a rate so much greater than the actual rate of increase experienced in recent years.

RESPONSE:

Allocated O&M expenses are projected to increase at a greater rate in the forecasted period due to the reallocation of SSU and Division 091 expenses as a result of the sale of Atmos Energy's Georgia, Illinois, Iowa and Missouri properties. Costs are allocated in adherence with the Company's Cost Allocation Manual (CAM) attached to the testimony of Mr. Schneider.

Respondent: Josh Densman.

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-32
Page 1 of 1

REQUEST:

Refer to pages 14-15 of the Densman Testimony regarding adjustments for labor and benefits and FR 16(13)(g), Schedule G-2.

- a. The sentence at lines 1-2 on page 15 states, "Overall, labor is projected to increase \$300,755 from the base period to the test period." The following two sentences relate to labor capitalization rates. Clarify whether the overall projected increase in labor refers to total labor, including capitalized and expensed labor, or if it refers only to expensed labor.
- b. The sentence starting on line 7 of page 15 indicates that benefits are projected as a fixed percentage of labor expense "plus an amount for workers" comp insurance." The following sentence indicates that the benefits adjustment increases the expense from the base period to the test period by \$294,340. Given that benefits are a fixed percentage of labor expense and that benefits are approximately 59 percent of labor in the test period on Schedule G-2, explain why the increase in benefits is equal to nearly 98 percent of the increase in labor of \$300,755.

RESPONSE:

- a) The overall projected increase in labor refers to expensed labor.
- b) Benefits are an independent cost item and are based on annual actuarial data from Towers Watson. The load rate varies on an annual basis. Also, please see the Company's response to Staff DR. No. 2-62 subpart (c).

Respondent: Josh Densman

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-33
Page 1 of 1

REQUEST:

Refer to page 5, lines 16-20, of the Testimony of Gregory K. Waller ("Waller Testimony") and FR 16(3)(k), Schedule K of Atmos's application. The Waller Testimony indicates that, for the months included in the test year, forecasted plant additions were based on the previous year's forecasted additions, plus 5 percent. Page 1 of Schedule K, shows, among other things, the base period, test period, and 10 most recent fiscal years' gross plant balances.

- a. The gross plant shown on Schedule K for the test year ending November 2014 is \$486 million, or \$83 million more than the gross plant of \$382 million for fiscal year 2012, which ended September 2012. The data on Schedule K indicates that the largest increase in gross plant over a two-year period since 2003 is \$44 million, which occurred from 2008 to 2010. Explain in detail why the growth in Atmos's gross plant is expected to so greatly exceed its historical growth.
- b. Explain why Atmos chose to base the level of plant additions in the test period on the prior year's forecasted plant additions rather than on its actual plant additions in a historical period.

RESPONSE:

- a) The single largest contributor to the recent increase in the rate of capital investment planned by the Company is the Pipe Replacement Program (PRP), which was established in Case No. 2009-00354 and has made it financially viable for the Company to accelerate the rate at which it replaces bare steel pipe and related distribution facilities. In addition, please reference Mr. Greg Waller's Direct Testimony on page 6 lines 1-5 and Mr. Earnest Napier's Direct Testimony for a description of the capital projects in which the Company plans to invest over and above historical run rates.
- b) Plant additions for fiscal year 2014 and the months of October and November 2014 are based on the Company's projection of capital spending for fiscal year 2013. At the time the filing was prepared, the projection for fiscal year 2013 capital spending was comprised of 5 months of actuals (Oct-Feb) and 7 months of projection (March - Sept.) to comprise a total fiscal year projection. At the time the filing was prepared, the fiscal year 2013 projection was the best predictor of fiscal 2014 capital investment available.

Respondent: Greg Waller

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-34
Page 1 of 2

REQUEST:

Refer to pages 9-10 of the Waller Testimony regarding Atmos's PRP. The two sentences starting at line 13 of page 9 refer to how this proceeding relates to Atmos's August 2013 PRP filing. The second of these two sentences indicates that the PRP surcharge rate schedule resulting from the August 2013 filing will be replaced by the rate schedule resulting from this proceeding.

- a. Confirm that this discussion in the Waller Testimony means, as the proposed PRP tariff rider, PSC KY No. 2, Original SHEET No. 39, indicates, that Atmos is proposing in this proceeding that its PRP cost recovery be "rolled-in" to its base rates and that its PRP rates be reset to zero.
- b. If the answer to part a. of this request is affirmative, provide the location in Atmos's application of any references, other than this portion of the Waller Testimony, to moving the PRP cost recovery from the PRP surcharge to base rates.
- c. From page 9. Line 13, to page 10, line 4, the testimony addresses how recovery of PRP investment through rates approved in this case relates to the anticipated recovery of PRP investment via Atmos's August 2013 PRP filing.
 - (1) The sentence starting at page 9, line 19, refers to the rates resulting from this proceeding as being based on Atmos's cumulative cost of service, including \$20 million of forecasted PRP investment from October 1, 2013 to September 30, 2014. The next sentence begins, "Furthermore, by only including PRP investment through September 30, 2014 (two months short of the end of the test year in this proceeding) the Company can make its August 2014 PRP filing (which will include PRP investment forecasted for October 1, 2014 to September 30, 2015) as scheduled and not disrupt the annual timeline for PRP filings." Clarify whether the forecasted PRP investment included in Atmos's cumulative cost of service in this proceeding includes investment through the end of the test year, or if it includes investment only through September 30, 2014.
 - (2) If the PRP investment included in the cumulative cost of service in this proceeding includes investment through the end of the test year, explain why December 1, 2014 should not be the start of the forecast period in Atmos's August 2014 PRP filing, rather than October 1, 2014.

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-34
Page 2 of 2

RESPONSE:

- a) The Company confirms that the reference to the Waller testimony means that Atmos Energy is proposing in this proceeding that its PRP cost recovery be "rolled-in" to its base rates and that its PRP rates be reset to zero.
- b) Throughout this application, the revenue requirement for the forecasted test period, as calculated on FR_16(13)(a) Schedule A, is \$168,742,544 inclusive of gas costs (\$78,477,300 exclusive of gas costs) and is based on a rate base of \$252,914,292. The rate base of \$252,914,292 includes investment expected through November 2014 and is inclusive of PRP investment through September 2014. Please reference Mr. Mark Martin's Direct Testimony Exhibit MAM-7, lines 81-83. The base rates as proposed produce gross profit of \$78,476,760, which approximates the \$78,477,300 referenced above. Note that the proposed base rates that produce this revenue requirement do not include a PRP rider.
- c)
 - 1) The forecasted PRP investment included in Atmos Energy's cumulative cost of service in this proceeding includes PRP investment through September 30, 2014.
 - 2) Not applicable.

Respondents: Greg Waller and Mark Martin

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-35
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REQUEST:

Refer to pages 10-12 of the Waller Testimony and FR 16(1 3)(j).

- a. The testimony states that Atmos's capital structure as of March 31, 2013 was 50.9 percent equity and 49.1 percent long-term debt, but that the long-term debt percentage is projected to fall to 48.2 percent for the test period due the issuance of common stock and earnings in excess of dividends. Lines 2-4 on page 12 contain the following statement: "The 48.2% long-term debt and 51.8% shareholders" equity capital structure advocated by the Company in this proceeding is consistent with stated strategy and is realistic and achievable." Explain what is mean by "stated strategy" and whether it is Mr. Waller's understanding that Atmos does not intend to issue any new debt prior to the end of the test period.
- b. Schedule J-1 of FR 16(13)(j) includes two capital structures for the test period. One is the capital structure discussed in the testimony and identified as the capital structure advocated by Atmos. The second capital structure contains the same amount of long-term debt and common equity as the first capital structure, but also includes short-term debt. Explain the purpose of the second capital structure containing short-term debt.
- c. On occasion, utilities have included a second capital structure in rate applications filed with the Commission containing short-term debt based on having such debt in their capital structures at various times, but not on a constant basis. Such alternative capital structures have generally substituted the short-term debt for a portion of one or more of the other components of the capital structure, leaving the total capital at the same amount as in the capital structure without short-term debt. Explain why the short-term debt in the second capital structure on Schedule J-1 is in addition to, rather than in substitution of, the amount of other components of Atmos's capital structure.

RESPONSE:

- a) A component of the Company's strategy is to protect our access to capital at a reasonable cost by maintaining investment grade credit ratings and a strong balance sheet. The capital structure projected in this proceeding is consistent with those goals. Contrary to the question's premise, the Company does plan to issue new debt prior to the end of the test period. The Company's 13-month average LTD balance and cost for the forecasted test period are based upon the assumption that the Company will issue \$500 million of 30 year bonds and \$75 million of 10 year bonds in October of 2014. These issuances are scheduled on FR_16(13)(j) Schedule J-3 (Forecast Period) on lines 9 and 10.

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- b) The purpose of the second capital structure is for informational purposes only and is consistent with the presentation of capital structure in the Company's most recent rate proceedings, Case Nos. 2006-00464 and 2009-00354.

- c) The calculation and presentation of capital structure components in this proceeding are consistent with the Company's most recent rate proceedings, Case No. 2006-00464 and 2009-00354.

Respondent: Greg Waller

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-36
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REQUEST:

Refer to page 13, lines 14-16, of the Testimony of Earnest B. Napier ("Napier Testimony"). Discussing the Wireless Meter Reading ("WMR") project, Mr. Napier states, "By targeting these high-cost locations Atmos Energy aims to reduce O&M expenses over time in several ways through the WMR project." Clarify whether any reduction in O&M expenses from the WMR project is reflected in the test period.

RESPONSE:

Reduction in O&M expenses in the test period is not reflected in the test period. The Wireless Meter Reading (WMR) project is expected to decrease O&M expenses over time through several ways, as referenced in the Direct Testimony of Mr. Earnest Napier on pages 13 and 14.

Respondent: Josh Densman

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-37
Page 1 of 1

REQUEST:

Refer to the discussion of the PRP on pages 14-16 of the Napier Testimony. Provide a comparison of the capital expenditures projected for the PRP in the testimony to the projections provided in Atmos's most recent rate case, Case No. 2009-00354¹ and to actual PRP capital expenditures since the PRP was approved.

¹ Case No. 2009-00354, Application of Atmos Energy Corporation for an Adjustment of Rates (Ky. PSC, May 28, 2010)

RESPONSE:

Please see Attachment 1. The PRP program is an annual filing that determines in part the actuals spent for the upcoming Fiscal Year. Also, please see the final order issued in Case No. 2009-00354.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-37_Att1 - Kentucky PRP Spending.xlsx, 1 Page.

Respondent: Earnest Napier

Atmos Energy Corporation, Kentucky
 Kentucky PRP Spending

	2009-00354 Testimony Projections		2013-00148 Testimony Projections		Actual PRP Capital Expenditures
FY 2011	\$ 6,700,000.00	\$	3,400,000.00	\$	3,741,125
FY 2012	Testimony does not reference		17,900,000.00	\$	17,300,343
FY 2013	Testimony does not reference		17,300,000.00	\$	11,667,971

The \$6,700,000 reflects an April 1, 2011 implementation date for computing initial PRP rates. However, on page 5 of the Final Order to Case No. 2009-00354 it was agreed that implementation would not begin until June 1. This agreement resulted in an approximate \$3,400,000 budget amount for PRP.

This Amount is YTD through July 2013

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-38
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REQUEST:

Refer to page 16, lines 4-6, of the Napier Testimony.

- a. Mr. Napier states that the fiscal year 2012 and 2013 budgets for the PRP were \$17.9 and \$17.3 million, respectively. Provide the actual amounts spent on the PRP for fiscal year 2012 and the first 10 months (October through July) of fiscal year 2013. Also, as they become available, provide the amounts spent on the PRP during the last two months of fiscal year 2013.
- b. The question before lines 4-6 is, "What level of capital expenditure related to the PRP is Atmos requesting during the test period?" After stating the budget amounts referenced in part a. of this request, the response, on line 6, states that Atmos requests a budget of \$20 million for the PRP in fiscal year 2014. Clarify whether the PRP budget for the test period is also \$20 million, or if it is a different amount.

RESPONSE:

- a) In 2012, the actual amount was \$17,300,343. In 2013, the actual amount is \$11,371,495 for year-to-date spend through July.
- b) Please see the Company's response to Staff DR No. 2-34 subpart (c). The revenue requirement in this proceeding includes PRP investment only through September 30, 2014 (FY 2014). The level of PRP investment for FY 2014 is \$20 million. PRP investment for October 2014 through September 2015 will be addressed in the Company's 2014 PRP filing to be made on or before August 1, 2014.

Respondent: Earnest Napier

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-39
Page 1 of 1

REQUEST:

Refer to pages 17-18 of the Napier Testimony.

- a. Describe the types of assets and capital projects contained in the capital budget of the Kentucky/Mid-States Division.
- b. Page 17, lines 10-15, shows the amounts of the Kentucky/Mid- States Division's capital projection allocated to Kentucky for fiscal years 2013 and 2014. Provide the amount for the test period.
- c. Describe the types of assets and capital projects contained in the capital budget of the Shared Services Unit ("SSU"). 1 Case No. 2009-00354, Application of Atmos Energy Corporation for an Adjustment of Rates (Ky. PSC, May 28, 2010).
- d. Page 17, line 18, through page 18, line 1, shows the amounts of the SSU capital projection allocated to Kentucky for fiscal years 2013 and 2014. Provide the amount for the test period.

RESPONSE:

- a) Business Unit projects (091) are primarily Informational Technology-based projects in nature. Specifically, most of these projects revolve around the replacement or purchasing of desktops, laptops and MDT computers. Please see Attachment 24 to the Company's response to Staff DR No. 1-59.
- b) The allocation for Division 091 to Kentucky is \$556,151 for the test period.
- c) Please see Attachment 1.
- d) The allocation for SSU to Kentucky is \$1,348,435 for the test period.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-39_Att1 - SSU Capital Budget.xlsx, 1 Page.

Respondent: Greg Waller

Capital Expenditures - Fiscal Year 2013
Atmos Regulated Shared Services
Annual Budget

	Amount
Growth	0
Equipment	154,861
CB11.1135.11.IT.002: Align Pipe FY11	580,863
CB13.1135.06.IT.002: Align Supply Upgrade	359,213
CB12.1135.02.IT.002: Franklin Gas Control Hot Site	588,796
Gas Supply Services	1,528,872
CB12.1158.02.IT.012: Contact Center Infrastructure Improvements	855,056
CB13.1137.01.IT.002: Two Factor Authentication	77,145
CB13.1137.10.IT.002: Tier 1 Storage	1,080,525
CB13.1137.03.IT.002: Tier 2 Storage	617,245
CB13.1137.05.IT.002: QA Lab	16,326
CB13.1137.04.IT.002: Doc Management Expansion	111,892
CB13.1137.06.IT.002: Archiving	108,568
CB13.1137.07.IT.002: PC Replacements	585,426
CB13.1137.08.IT.002: Storage and Backup Infrastructure	935,224
CB13.1137.09.IT.002: Switch Port Capacity	62,740
Technology Refresh	4,450,146
CB13.1135.02.IT.002: DIM	150,298
CB13.1135.03.IT.002: GIS Enhancements	383,576
Operation Support	533,874
CB11.1156.01.IT.012: Customer Service System FY11	14,903,731
CB12.1156.05.IT.012: IVR Rewrite	554,360
CB13.1135.01.IT.002: Upgrade RNI	106,461
Customer Services	15,564,551
CB11.1135.12.IT.002: Oracle R12 Upgrade	1,466,202
CB13.1135.09.IT.002: Tax Systems	501,033
Accounting/Finance	1,967,235
CB12.1135.03.IT.002: Software purchase of IHS Impact Enterprise Safety and Risk	156,986
CB13.1135.12.IT.002: Lease Management System	243,591
CB13.1135.08.IT.002: Facility Commander	8,746
Human Resources / Legal	409,323
Structures	859,932
Other.	77,910
NonGrowth	25,546,702
Capital	25,546,702

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-40
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REQUEST:

Refer to the Testimony of Dr. James H. Vander Weide ("Vander Weide Testimony").

- a. Provide a discussion of the recent economic downturn, current economic conditions and their impact on investors' required return on equity investments.
- b. Explain why the water utility proxy group was added to the Return on Equity ("ROE") analysis, when it was not included in Dr. Vander Weide's ROE analysis in his testimony in Atmos's last rate case, Case No. 2009-00354.
- c. Explain why expected dividend growth was not included as one aspect of estimating investors' expectations for the growth rate in the Discounted Cash Flow ("DCF") calculations.
- d. Explain why an average of stock prices for the three months ending February 2013 was used to calculate the dividend yield, instead of the most current stock prices available at the time of the DCF analyses.

RESPONSE:

- a) Investors' views of the recent economic downturn and current economic conditions are reflected in the specific market data used in Dr. Vander Weide's cost of equity calculations. Dr. Vander Weide's conclusions are based on the results of his cost of equity calculations rather than on a subjective assessment of the effect of general economic conditions on investors' required returns on equity investments.
- b) Dr. Vander Weide explains his decision to include a proxy group of water utilities in addition to the group of gas utilities in his Direct Testimony at page 27:

I apply my DCF model to a proxy group of water utilities because: (1) the sample of publicly-traded natural gas distribution companies with sufficient information to estimate the cost of equity is relatively small; (2) the water utilities are a reasonable proxy for the risk of investing in natural gas distribution companies; (3) natural gas distribution companies are frequently used as proxies for water utilities in water cases; and (4) it is useful to examine the cost of equity results for a group of companies of similar risk in order to test the reasonableness of the results obtained by applying cost of equity methodologies to the group of publicly-traded natural gas distribution companies. Financial theory does not require that companies be in exactly the same industry to be comparable in risk.

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c) Dr. Vander Weide did not consider using expected dividend growth to estimate investors' expectations for future growth in his DCF calculations because: (1) the DCF model requires the growth expectations of investors; (2) his studies indicate that analysts' growth forecasts are the best proxy for investors' growth expectations; (3) there are several sources for consensus estimates of earnings per share growth forecasts but no source of consensus estimates of dividend growth forecasts, and (4) dividends and earnings will grow at the same rate in the long run.

d) Dr. Vander Weide explains his decision to use three-month average stock prices instead of a spot stock price in his Direct Testimony at page 23:

I use the three-month average stock price in applying the DCF method because stock prices fluctuate daily, while financial analysts' forecasts for a given company are generally changed less frequently, often on a quarterly basis. Thus, to match the stock price with an earnings forecast, it is appropriate to average stock prices over a three-month period.

Response: Dr. James Vander Weide

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-41
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REQUEST:

Refer to Exhibit JWV-1, Schedule 1-1.

- a. Provide the individual IIBIE/S and Value Line earnings growth forecasts used in calculating average "g" on the exhibit.
- b. State the date of the Value Line Investment Survey used for earnings growth forecasts in calculating the average "g" for the DCF analysis.
- c. Provide the non-Market-weighted Average of the DCF model results for the gas proxy group on Exhibit JWV-1, Schedule 1-1, comparable to what is provided for the water proxy group on Exhibit JWV-1, Schedule 2-1.
- d. Provide the most current Returns on Equity ("ROE") awarded by their respective regulatory agencies and the dates of the awards for: (1) The proxy group of gas utilities, or for their gas utility subsidiaries if the proxy company is a holding company (2) The proxy group of water utilities, or for their water utility subsidiaries if the proxy company is a holding company
- e. Identify which companies or subsidiary companies in the proxy group of gas utilities:
 - (1) Are able to use a forecasted test year in base rate cases
 - (2) Have a Margin Loss Recovery rider
 - (3) Have a System Development rider
 - (4) Have any other types of commission-approved revenue stabilizing mechanisms or riders other than purchased gas adjustment mechanisms
- f. Provide the most current earned ROEs for the proxy groups of gas and water utilities or subsidiaries.
- g. Explain whether any of the proxy groups of gas or water companies or their utility subsidiaries has electric operations or any other operations not associated with regulated gas or water service.
- h. Explain why it is appropriate to include Atmos's parent corporation in the DCF analysis.

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RESPONSE:

- a) Dr. Vander Weide does not have the earnings growth estimates of the individual analysts contributing to the I/B/E/S consensus estimates. With regard to the Value Line earnings growth estimates, there is just a single estimate provided by Value Line. Thus, the estimates used in Dr. Vander Weide's calculations are the values shown on Dr. Vander Weide's schedules.
- b) Value Line reports for the gas utilities are dated March 18, 2013. Value Line reports for the water utilities are dated January 18, 2013.
- c) The simple average result for the gas utility group on Schedule 1 is 9.7 percent.
- d)
 - 1) Dr. Vander Weide has not conducted a study of the current authorized returns on equity for the proxy companies or the proxy companies' subsidiaries.
 - 2) Dr. Vander Weide has not conducted a study of the current authorized returns on equity for the proxy companies or the proxy companies' subsidiaries. Please see Attachment 1 for information that was provided by Kentucky-American in Case No. 2012-00520.
- e) Dr. Vander Weide has not conducted a study of the regulatory mechanisms requested in the data request. Please see Attachment 2 for the information the Company was able to compile from proxy companies' public 10-K filings.
- f) The following table shows the earned returns on equity for the proxy gas and water utilities for 2012 (see Value Line Investment Survey reports dated June 7, 2013, and July 19, 2013).

Company	Earned ROE
AGL Resources	8.0%
Atmos Energy	8.1%
Laclede Group	10.6%
New Jersey Resources	13.9%
NiSource Inc.	7.4%
Northwest Nat. Gas	8.2%
Piedmont Natural Gas	11.7%
South Jersey Inds.	12.7%
WGL Holdings Inc.	11.0%
Amer. States Water	11.9%
Amer. Water Works	8.4%

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Aqua America	11.0%
California Water	9.0%
Conn. Water Services	7.3%
Middlesex Water	7.8%
SJW Corp.	8.1%

- g) The Value Line Investment Survey individual company reports contain business descriptions for each of the gas and water utilities in Dr. Vander Weide's cost of equity studies. According to Value Line, NiSource is the only company among the proxy gas and water utilities that has electric utility operations in addition to natural gas or water utility operations. However, investors very likely view NiSource as being primarily a natural gas utility based on the facts including: (1) Value Line includes NiSource in its natural gas utility group; (2) NiSource has 3.3 million gas customers in Indiana, Ohio, Pennsylvania, Kentucky, Virginia, Maryland, and Massachusetts as compared to having only 458,000 electric customers in Indiana; and (3) NiSource receives sixty-eight percent of revenues from natural gas operations.

With regard to the water utilities, some of the water utilities provide unregulated water service in addition to regulated water service. However, there is no evidence that unregulated water service constitutes a significant percentage of revenues; and, in addition, there is no evidence that unregulated water service is viewed by investors as being more risky than regulated water service. The important consideration in evaluating risk comparability is whether investors view these companies as a whole to be comparable on average to Atmos Energy's utility operations in Kentucky, and Dr. Vander Weide believes that they do.

- h) It is appropriate to use Atmos Energy in the DCF analysis because this company satisfies Dr. Vander Weide's proxy selection criteria discussed in his testimony at page 25. In particular, given the relatively small percentage of Atmos Energy's revenues and profits associated with its operations in Kentucky, there is little risk of circularity in including Atmos Energy in the proxy group. In addition, given the relatively small number of companies in the sample, it is desirable to include all comparable risk companies with sufficient data to estimate the cost of equity.

ATTACHMENTS:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-41_Att2 - Proxy Companies Detail.xlsx, 1 Page.

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ATTACHMENT 2 - Atmos Energy Corporation, Staff_2-41_Att1 - Proxy Water Companies Allowed ROE.xlsx, 1 Page.

Respondents: Dr. James Vander Weide and Greg Waller

Atmos Energy Corporation
Water Company Allowed ROE

Line	Company	Most Recent ROE	Date
1.	<u>American States Water:</u>		
	Golden State Water Company (CA)	9.99%	7/12/2012
2.	<u>American Water Works:</u>		
	New York American Water	9.65%	3/20/2012
	New Jersey American Water	10.15%	5/1/2012
	Pennsylvania American Water	10.25%	10/6/2011
	Virginia American Water	9.75%	12/13/2012
	West Virginia American Water	9.75%	4/18/2011
	Maryland American Water	10.75%	9/1/2009
	Tennessee American Water	10.00%	10/15/2012
	Kentucky American Water	9.70%	12/14/2010
	Indiana American Water	9.70%	6/6/2012
	Michigan American Water	Not Regulated	Not Regulated
	Illinois American Water	9.34%	9/20/2012
	Iowa American Water	9.40%	2/23/2013
	Missouri American Water	10.00%	3/16/2012
	California American Water	9.99%	7/12/2012
	Hawaii American Water	N/A (Sewer Only)	N/A (Sewer Only)
3.	<u>Aqua America:</u>		
	Aqua Florida	9.26%	3/5/2012
	Aqua Illinois	9.49%	2/26/2012
	Aqua Indiana (settlement)	N/A	6/10/2009
	Aqua New Jersey	10.15%	4/11/2012
	Aqua North Carolina	10.20%	9/13/2011
	Aqua Ohio (Settlement)	N/A	6/13/2012
	Aqua Pennsylvania (settlement)	10.20%	6/7/2012
	Aqua Texas (6)	12.00%	7/13/2004
	Aqua Virginia (stipulated)	10.40%	10/29/2010
4.	<u>California Water:</u>		
	California Water Service Company	9.99%	7/12/2012
5.	<u>Connecticut Water Service</u>		
	Connecticut Water Company	9.75%	2013
	Maine Water Company	10.00%	2013
	Biddeford & Saco Water Company	10.00%	2013
6.	<u>Middlesex Water (NJ):</u>	10.15%	7/20/2012
7.	<u>SJW Corp:</u>		
	San Jose Water Company	9.99%	7/12/2012

Atmos Energy Corporation
Proxy Companies' Details

Line	COMPANY	Forecasted Test Year in Base Rate Case	Margin Loss Recovery Rider	System Development Rider	Commission-Approved Revenue Stabilization Mechanisms**
1	AGL Resources	Yes	No	No	N/A - Subjective
a	Atlanta Gas Light Company	No*	No	No	N/A - Subjective
b	Northern Illinois Gas Company	No	No	No	N/A - Subjective
c	Elizabethtown Gas	No*	No	No	N/A - Subjective
d	Florida City Gas	Yes	No	No	N/A - Subjective
e	Elkton Gas	No	No	No	N/A - Subjective
f	Chattanooga Gas Company	Yes	No	No	N/A - Subjective
g	Virginia Natural Gas Inc.	No	No	No	N/A - Subjective
2	Atmos Energy	Yes	Yes	Pending	N/A - Subjective
a	Colorado	Pending	No	No	N/A - Subjective
b	Kansas	No	No	No	N/A - Subjective
c	Kentucky	Yes	Pending	Pending	N/A - Subjective
d	Louisiana - LGS	No	RSC	No	N/A - Subjective
e	Louisiana - Trans LA	No	RSC	No	N/A - Subjective
f	Mississippi	Yes	Stable / Rate Adjustment Rider	No	N/A - Subjective
g	Tennessee	Yes	MLR	No	N/A - Subjective
h	Texas - Atmos Pipeline Texas	No	Rider Rev	No	N/A - Subjective
i	Texas - Mid Tex Cities	No	No	No	N/A - Subjective
j	Texas - Mid Tex Dallas	No	No	No	N/A - Subjective
k	Texas - West Texas	No	No	No	N/A - Subjective
l	Virginia	No	No	No	N/A - Subjective
3	Laclede Group	No	No	No	N/A - Subjective
4	New Jersey Resources	No*	No	No	N/A - Subjective
5	NiSource Inc.	Yes	Yes	Yes	N/A - Subjective
a	Columbia Gas of Kentucky	Pending	No	No	N/A - Subjective
b	Columbia Gas of Maryland	Pending	No	EDS	N/A - Subjective
c	Columbia Gas of Massachusetts	No	RDAC	No	N/A - Subjective
d	Columbia Gas of Ohio	No	No	No	N/A - Subjective
e	Columbia Gas of Pennsylvania	Yes	No	EDS	N/A - Subjective
f	Columbia Gas of Virginia	Yes	No	EDS	N/A - Subjective
6	Northwest Nat. Gas	Yes	No	No	N/A - Subjective
a	Oregon	Yes	No	No	N/A - Subjective
b	Washington	No	No	No	N/A - Subjective
7	Piedmont Natural Gas	Yes	Yes	Yes	N/A - Subjective
a	North Carolina	No	Margin Decoupling Tracker	No	N/A - Subjective
b	South Carolina	No	No	Economic Development Rider	N/A - Subjective
c	Tennessee	Yes	No	No	N/A - Subjective
8	South Jersey Inds.	No	No	Economic Development Rate Clause	N/A - Subjective
9	WGL Holdings Inc.	No	Yes	No	N/A - Subjective
a	Washington, D.C.	No	No	No	N/A - Subjective
b	Maryland	No	RNA	No	N/A - Subjective
c	Virginia	No	No	No	N/A - Subjective
10	Market-weighted Average	N/A	N/A	N/A	N/A - Subjective

Notes:

*HTY + Future months out for Rate Base

** Data not gathered - subjective

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REQUEST:

Atmos's application is based on a forecasted test period. Explain whether Dr. Vander Weide believes that the ability to use a forecasted test year has an impact on the riskiness of a regulated utility as perceived by investors.

RESPONSE:

Other things being equal, investors would tend to perceive regulated utilities whose rates are based on forecasted test periods as being less risky. However, investors' required rates of return are based on their perceptions of the total risk of investing in a utility. As Dr. Vander Weide discusses in his direct testimony, his proxy groups are comparable to Atmos Energy in terms of total risk. In addition, the use of a forecasted test period is becoming increasingly common in utility regulation because it is apparent that a utility may not be able to earn its allowed return on rate base when operating expenses and rate base are increasing and historical test periods are used to set rates.

Respondent: Dr. James Vander Weide

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REQUEST:

In addition to a gas cost adjustment mechanism, Atmos has the PRP that is referred to elsewhere in this request. Explain whether Dr. Vander Weide believes that the ability to use revenue-stabilizing mechanisms such as these has an impact on the riskiness of a regulated utility as perceived by investors.

RESPONSE:

Other things being equal, investors would tend to perceive regulated utilities that have revenue-stabilizing mechanisms or cost adjustment mechanisms as being less risky. However, investors' required rates of return are based on their perceptions of the total risk of investing in a utility. As Dr. Vander Weide discusses in his direct testimony, his proxy groups are comparable to Atmos Energy in terms of total risk. In addition, the use of revenue-stabilizing mechanisms or cost adjustment mechanisms is becoming increasingly common in utility regulation because it is apparent that utilities may not be able to earn their allowed returns on rate base in the absence of such mechanisms.

Respondent: Dr. James Vander Weide

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Staff RFI Set No. 2
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REQUEST:

Refer to Exhibit_JWW-1 Schedules 1 and 2. Provide these exhibits with no flotation cost adjustment.

RESPONSE:

Please see the tables in Attachment 1 and Dr. Vander Weide's workpapers.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-44-Att1 - Exhibit JWW-1 Schedules 1 and 2.pdf, 1 Page.

Respondent: Dr. James Vander Weide

**Exhibit JVW-1, Schedule 1, Comparison of DCF Results
with and without Flotation Cost Allowance**

Line	Company	d ₀	P ₀	Growth	Model Result	Model Result No Flotation
1	AGL Resources	0.470	40.483	3.80%	9.0%	8.7%
2	Atmos Energy	0.350	36.508	5.93%	10.3%	10.1%
3	Laclede Group	0.425	39.588	5.30%	10.2%	9.9%
4	New Jersey Resources	0.400	41.120	4.00%	8.3%	8.1%
5	NiSource Inc.	0.240	25.953	6.70%	11.0%	10.8%
6	Northwest Nat. Gas	0.455	44.962	4.50%	9.0%	8.8%
7	Piedmont Natural Gas	0.300	31.939	5.57%	9.9%	9.7%
8	South Jersey Inds.	0.443	52.558	6.00%	9.7%	9.5%
9	WGL Holdings Inc.	0.400	40.557	5.25%	9.8%	9.6%
10	Market-weighted Average				10.0%	9.7%
11	Average				9.7%	9.5%
12	Average Line 10,11				9.8%	9.6%

**Exhibit JVW-1, Schedule 2, Comparison of DCF Results
with and without Flotation Cost Allowance**

Line	Company	d ₀	P ₀	Value Line EPS Growth	I/B/E/S Growth	Ave EPS Growth	Market Cap \$ (Mil)	Model Result	Model Result No Flotation
1	Amer. States Water	0.355	49.452	5.50%	6.00%	5.75%	1,032	8.9%	8.7%
2	Amer. Water Works	0.250	38.155	9.00%	8.50%	8.75%	7,020	11.8%	11.7%
3	Aqua America	0.175	26.672	7.00%	7.30%	7.15%	4,081	10.1%	10.0%
4	California Water	0.160	18.973	6.00%	5.00%	5.50%	857	9.3%	9.1%
5	Conn. Water Services	0.243	29.923	7.50%	6.10%	6.80%	312	10.6%	10.4%
6	Middlesex Water	0.188	19.345	7.00%	2.70%	4.85%	308	9.3%	9.0%
7	SJW Corp.	0.182	26.213	8.00%	14.00%	11.00%	495	14.4%	14.2%
8	Market-weighted Average							11.0%	10.8%
9	Average							10.6%	10.4%
10	Average Line 8, 9							10.8%	10.6%

Case No. 2013-00148
Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-45
Page 1 of 1

REQUEST:

Refer to Exhibit JWV-1, Schedules 7-1 and 8-1. Explain why a 5.25 percent Long-term Treasury bond yield forecast is used for the CAPM risk-free rate instead of an actual Treasury yield figure, such as the current 20- or 30-year Treasury bond yield.

RESPONSE:

Dr. Vander Weide explains that he uses forecasted bond yields in his cost of equity studies at this time to be consistent with the fair rate of return standard. As he states in his filed Direct Testimony at page 32:

I use a forecasted yield to maturity on A-rated utility bonds rather than a current yield to maturity because the fair rate of return standard requires that a company have an opportunity to earn its required return on its investment during the forward-looking period during which rates will be in effect. Because current interest rates are depressed as a result of the Federal Reserve's extraordinary efforts to keep interest rates low in an effort to stimulate the economy, current interest rates at this time are likely a poor indicator of future interest rates. Economists project that future interest rates will be higher than current interest rates as the Federal Reserve allows interest rates to rise in order to prevent inflation. Thus, the use of forecasted interest rates is consistent with the fair rate of return standard, whereas the use of current interest rates at this time is not.

Respondent: Dr. James Vander Weide

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-46
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REQUEST:

Refer to the Risk Premium analysis discussion on pages 29-37 of the Vander Weide Testimony. Explain why the Risk Premium analysis does not include an approach that includes long-term Treasury bonds as a measure of the risk-free rate.

RESPONSE:

Dr. Vander Weide notes that application of the ex ante and ex post risk premium methods, unlike the CAPM, does not require the use of a risk-free interest rate. Dr. Vander Weide discusses the possibility of using the yield to maturity on debt investments other than an investment in utility bonds to measure the interest rate component of the risk premium approach in his Direct Testimony. As he states in his testimony:

One could use the yield to maturity on other debt investments to measure the interest rate component of the risk premium approach as long as one uses the yield on the same debt investment to measure the expected risk premium component of the risk premium approach. I chose to use the yield on A-rated utility bonds because it is a frequently-used benchmark for utility bond yields.

Respondent: Dr. James Vander Weide

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Atmos Energy Corporation, Kentucky Division
Staff RFI Set No. 2
Question No. 2-47
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REQUEST:

Refer to page 32 of the Vander Weide Testimony.

- a. Confirm that lines 2-3 reference 4.18 percent as being the A-rated utility bond yield.
- b. If 4.18 percent is the current A-rated utility bond yield, explain why a forecasted 6.55 percent yield to maturity was used to calculate the ex ante and ex post risk premium instead of 4.18 percent.
- c. Provide ex ante and ex post risk premium calculations using the current A-rated utility bond yield of 4.18 percent using the same methodology as provided in Atmos's most recent rate case, Case No. 2009-00354.

RESPONSE:

- a) Dr. Vander Weide confirms that the Moody's average A-rated utility bond yield at February 2013 was 4.18 percent.
- b) Dr. Vander Weide explains why he uses forecasted bond yields in his cost of equity studies at this time in his Direct Testimony at page 32:

I use a forecasted yield to maturity on A-rated utility bonds rather than a current yield to maturity because the fair rate of return standard requires that a company have an opportunity to earn its required return on its investment during the forward-looking period during which rates will be in effect. Because current interest rates are depressed as a result of the Federal Reserve's extraordinary efforts to keep interest rates low in an effort to stimulate the economy, current interest rates at this time are likely a poor indicator of future interest rates. Economists project that future interest rates will be higher than current interest rates as the Federal Reserve allows interest rates to rise in order to prevent inflation. Thus, the use of forecasted interest rates is consistent with the fair rate of return standard, whereas the use of current interest rates at this time is not.

- c) If Dr. Vander Weide were to use an A-rated bond yield equal to 4.18 percent in his ex ante and ex post risk premium cost of equity calculations, the estimated cost of equity using the ex ante risk premium method would be 10.3 percent, and the estimated cost of equity using the ex post risk premium method would be 8.5 percent.

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However, an 8.5 percent result based on a 4.18 percent current bond yield is not a reasonable indicator of Atmos Energy's cost of equity because: (1) the ex post risk premium method assumes that the risk premium is constant, even though available evidence (as shown in Dr. Vander Weide's ex ante risk premium studies, for example) indicates that the required risk premium varies inversely with interest rates; and (2) a 4.18 percent bond yield is significantly less than the long-run average yield on A-rated utility bonds and also less than the forecasted yield on A-rated utility bonds. Thus, applying an historical risk premium derived from a period when interest rates were higher than current interest rates to a lower-than-average current interest rate produces an unreasonably low cost of equity estimate.

Dr. Vander Weide notes that according to the Moody's web site, at August 14, 2013, the average utility bond yield is approximately 4.9 percent.

Respondent: Dr. James Vander Weide

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Atmos Energy Corporation, Kentucky Division
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Question No. 2-48
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REQUEST:

Provide an electronic copy of the excel spreadsheets supporting the Vander Weide Testimony and the responses to the items in this request for information, where appropriate, with the underlying data and formulas intact.

RESPONSE:

Please see Attachment1.

ATTACHMENT:

ATTACHMENT 1 - Atmos Energy Corporation, Staff_2-48_Att1 - Vander Weide Workpaper Support.xlsx, 34 Pages.

Respondent: Dr. James Vander Weide

Schedule 1
Summary of Discounted Cash Flow Analysis for Natural Gas Utilities

Line	Company	d_0	P_0	Growth	Model Result
1	AGL Resources	0.470	40,483	3.80%	9.0%
2	Atmos Energy	0.350	36,508	5.93%	10.3%
3	Laclede Group	0.425	39,588	5.30%	10.2%
4	New Jersey Resources	0.400	41,120	4.00%	8.3%
5	NISource Inc.	0.240	25,953	6.70%	11.0%
6	Northwest Nat. Gas	0.455	44,962	4.50%	9.0%
7	Piedmont Natural Gas	0.300	31,939	5.57%	9.9%
8	South Jersey Inds.	0.443	52,558	6.00%	9.7%
9	WGL Holdings Inc.	0.400	40,557	5.25%	9.8%
10	Market-weighted Average				10.0%
11	Average				9.7%
12	Average Line 10,11				9.8%

EXHIBIT__(#VW-1)

Schedule 2

Summary of Discounted Cash Flow Analysis for Water Utilities

Line	Company	d_0	P_0	Value Line EPS Growth	I/B/E/S Growth	Ave EPS Growth	Market Cap \$ (Mil)	Model Result	Model Result No Flotation
1	Amer. States Water	0.355	49.452	5.50%	6.00%	5.75%	1,032	8.9%	8.7%
2	Amer. Water Works	0.250	38.155	9.00%	8.50%	8.75%	7,020	11.8%	11.7%
3	Aqua America	0.175	26.672	7.00%	7.30%	7.15%	4,081	10.1%	10.0%
4	California Water	0.160	18.973	6.00%	5.00%	5.50%	857	9.3%	9.1%
5	Conn. Water Services	0.243	29.923	7.50%	6.10%	6.80%	312	10.6%	10.4%
6	Middlesex Water	0.188	19.345	7.00%	2.70%	4.85%	308	9.3%	9.0%
7	SJW Corp.	0.182	26.213	8.00%	14.00%	11.00%	495	14.4%	14.2%
8	Market-weighted Average							11.0%	10.8%
9	Average							10.6%	10.4%
10	Average Line 8, 9							10.8%	10.6%

EXHIBIT__[HW-1]
Schedule 3
Comparison of DCF Expected Return
on an Equity Investment in Natural Gas Distribution Companies
to the Interest Rate on Moody's A-rated Utility Bonds

Adjusted RP = RP - coefficient x lag RP
Regression of Relationship Between Risk Prem Adjusted Yld = Yld - coefficient x lag yield
on an Investment in Natural Gas Distribution Companies
and Yield to Maturity on Moody's A-Rated Utility Intersect coefficient =
Serial correlation coefficient estimated via mv 0.01294 0.0129
Y_t = a + bY_{t-1} + cY_{t-2} + dY_{t-3} + e_t (1-0.847)
0.8470 0.8470 0.8470 0.8470 0.8470

Value Une, EIA A-rated utility forecast yield 6.55%

Line	Date	DCF	Bond Yield	Risk Premium	Bond Lag Risk	Adjusted Risk	Adjusted Bond	Forecast Bond	Cost of Equity
Line	Date	DCF	Bond Yield	Risk Premium	Premium	Lag Bond Yield	Premium	Yield	RP
1	Jun-98	0.1154	0.0703	0.0451					
2	Jul-98	0.1165	0.0704	0.0483	0.0451	0.0703	0.01017	0.0108	0.0450
3	Aug-98	0.1184	0.0700	0.0534	0.0488	0.0703	0.01241	0.0105	0.0482
4	Sep-98	0.1273	0.0693	0.0580	0.0534	0.0700	0.01285	0.0100	0.0456
5	Oct-98	0.1260	0.0696	0.0564	0.0530	0.0693	0.00721	0.0109	0.0454
6	Nov-98	0.1211	0.0701	0.0508	0.0564	0.0696	0.00307	0.0113	0.0430
7	Dec-98	0.1185	0.0691	0.0494	0.0508	0.0703	0.00632	0.0096	0.0437
8	Jan-99	0.1195	0.0697	0.0498	0.0494	0.0691	0.00802	0.0112	0.0454
9	Feb-99	0.1243	0.0709	0.0534	0.0498	0.0697	0.01121	0.0119	0.0447
10	Mar-99	0.1257	0.0726	0.0531	0.0534	0.0709	0.00784	0.0125	0.0437
11	Apr-99	0.1280	0.0722	0.0538	0.0531	0.0726	0.00888	0.0107	0.0440
12	May-99	0.1221	0.0747	0.0474	0.0538	0.0722	0.00182	0.0135	0.0426
13	Jun-99	0.1208	0.0774	0.0434	0.0474	0.0747	0.00519	0.0141	0.0410
14	Jul-99	0.1222	0.0773	0.0451	0.0434	0.0774	0.00839	0.0115	0.0412
15	Aug-99	0.1220	0.0791	0.0429	0.0451	0.0771	0.00472	0.0138	0.0401
16	Sep-99	0.1226	0.0799	0.0433	0.0429	0.0791	0.00692	0.0123	0.0406
17	Oct-99	0.1223	0.0806	0.0427	0.0433	0.0799	0.00303	0.0134	0.0392
18	Nov-99	0.1240	0.0794	0.0446	0.0427	0.0806	0.00845	0.0111	0.0399
19	Dec-99	0.1230	0.0814	0.0456	0.0446	0.0794	0.00879	0.0141	0.0388
20	Jan-00	0.1301	0.0815	0.0466	0.0456	0.0814	0.00710	0.0146	0.0376
21	Feb-00	0.1344	0.0825	0.0519	0.0466	0.0815	0.01244	0.0118	0.0382
22	Mar-00	0.1344	0.0828	0.0516	0.0519	0.0825	0.00771	0.0129	0.0380
23	Apr-00	0.1316	0.0829	0.0487	0.0516	0.0828	0.00499	0.0128	0.0370
24	May-00	0.1292	0.0830	0.0422	0.0487	0.0829	0.00990	0.0168	0.0356
25	Jun-00	0.1295	0.0836	0.0459	0.0422	0.0830	0.01022	0.0099	0.0375
26	Jul-00	0.1317	0.0825	0.0492	0.0459	0.0836	0.01027	0.0117	0.0382
27	Aug-00	0.1290	0.0833	0.0477	0.0492	0.0825	0.00608	0.0134	0.0388
28	Sep-00	0.1257	0.0823	0.0434	0.0477	0.0833	0.00799	0.0134	0.0383
29	Oct-00	0.1260	0.0831	0.0446	0.0434	0.0823	0.00777	0.0117	0.0388
30	Nov-00	0.1251	0.0831	0.0440	0.0446	0.0831	0.00627	0.0122	0.0390
31	Dec-00	0.1239	0.0784	0.0455	0.0440	0.0831	0.00819	0.0097	0.0405
32	Jan-01	0.1261	0.0780	0.0481	0.0455	0.0784	0.00982	0.0116	0.0407
33	Feb-01	0.1261	0.0774	0.0487	0.0481	0.0780	0.00791	0.0113	0.0410
34	Mar-01	0.1275	0.0768	0.0507	0.0487	0.0774	0.00391	0.0112	0.0414
35	Apr-01	0.1227	0.0764	0.0433	0.0507	0.0768	0.00031	0.0143	0.0399
36	May-01	0.1302	0.0799	0.0503	0.0433	0.0764	0.01367	0.0126	0.0396
37	Jun-01	0.1304	0.0785	0.0519	0.0503	0.0799	0.00929	0.0108	0.0404
38	Jul-01	0.1338	0.0778	0.0580	0.0519	0.0785	0.01204	0.0113	0.0403
39	Aug-01	0.1327	0.0799	0.0568	0.0580	0.0778	0.00936	0.0100	0.0419
40	Sep-01	0.1268	0.0775	0.0499	0.0568	0.0799	0.00115	0.0132	0.0410
41	Oct-01	0.1268	0.0763	0.0505	0.0499	0.0775	0.00582	0.0107	0.0417
42	Nov-01	0.1268	0.0757	0.0513	0.0505	0.0763	0.00833	0.0111	0.0410
43	Dec-01	0.1254	0.0783	0.0471	0.0513	0.0757	0.00382	0.0142	0.0405
44	Jan-02	0.1236	0.0766	0.0470	0.0471	0.0783	0.00713	0.0103	0.0415
45	Feb-02	0.1241	0.0754	0.0487	0.0470	0.0766	0.00889	0.0105	0.0423
46	Mar-02	0.1189	0.0776	0.0413	0.0487	0.0754	0.00204	0.0137	0.0409
47	Apr-02	0.1199	0.0757	0.0402	0.0413	0.0776	0.00522	0.0100	0.0420
48	May-02	0.1162	0.0753	0.0410	0.0402	0.0757	0.00697	0.0111	0.0423
49	Jun-02	0.1170	0.0741	0.0429	0.0410	0.0752	0.00816	0.0104	0.0429
50	Jul-02	0.1242	0.0731	0.0511	0.0429	0.0741	0.01474	0.0103	0.0435
51	Aug-02	0.1234	0.0717	0.0517	0.0511	0.0731	0.00843	0.0098	0.0442
52	Sep-02	0.1260	0.0703	0.0552	0.0517	0.0717	0.01137	0.0101	0.0447
53	Oct-02	0.1250	0.0724	0.0527	0.0552	0.0703	0.00599	0.0133	0.0439
54	Nov-02	0.1221	0.0714	0.0507	0.0527	0.0724	0.00608	0.0102	0.0444
55	Dec-02	0.1216	0.0707	0.0499	0.0507	0.0714	0.00743	0.0112	0.0443
56	Jan-03	0.1219	0.0706	0.0513	0.0499	0.0707	0.00819	0.0107	0.0449
57	Feb-03	0.1232	0.0693	0.0539	0.0513	0.0706	0.01047	0.0095	0.0436
58	Mar-03	0.1195	0.0679	0.0516	0.0539	0.0693	0.00592	0.0092	0.0464
59	Apr-03	0.1162	0.0664	0.0498	0.0516	0.0679	0.00908	0.0089	0.0472
60	May-03	0.1126	0.0636	0.0490	0.0498	0.0664	0.00888	0.0074	0.0488
61	Jun-03	0.1114	0.0621	0.0493	0.0490	0.0636	0.00778	0.0082	0.0496
62	Jul-03	0.1127	0.0657	0.0470	0.0493	0.0621	0.00521	0.0131	0.0476
63	Aug-03	0.1135	0.0678	0.0491	0.0470	0.0657	0.00628	0.0122	0.0484
64	Sep-03	0.1127	0.0696	0.0471	0.0491	0.0678	0.00811	0.0082	0.0477
65	Oct-03	0.1123	0.0643	0.0480	0.0471	0.0696	0.00808	0.0097	0.0484
66	Nov-03	0.1189	0.0637	0.0432	0.0480	0.0643	0.00455	0.0092	0.0487
67	Dec-03	0.1171	0.0627	0.0444	0.0432	0.0637	0.00606	0.0087	0.0493
68	Jan-04	0.1159	0.0615	0.0444	0.0444	0.0627	0.00881	0.0084	0.0500
69	Feb-04	0.1139	0.0615	0.0424	0.0444	0.0615	0.00490	0.0094	0.0500
70	Mar-04	0.1197	0.0597	0.0440	0.0424	0.0615	0.00808	0.0076	0.0510
71	Apr-04	0.1164	0.0685	0.0406	0.0440	0.0597	0.00331	0.0129	0.0489
72	May-04	0.1145	0.0682	0.0383	0.0406	0.0635	0.00391	0.0124	0.0473
73	Jun-04	0.1196	0.0646	0.0390	0.0383	0.0682	0.00661	0.0085	0.0482
74	Jul-04	0.1111	0.0627	0.0384	0.0390	0.0646	0.00529	0.0080	0.0493
75	Aug-04	0.1108	0.0614	0.0394	0.0384	0.0627	0.00695	0.0083	0.0500
76	Sep-04	0.0976	0.0598	0.0378	0.0394	0.0614	0.00442	0.0078	0.0509
77	Oct-04	0.0974	0.0594	0.0380	0.0378	0.0598	0.00596	0.0087	0.0512
78	Nov-04	0.0962	0.0597	0.0395	0.0380	0.0594	0.00434	0.0094	0.0510
79	Dec-04	0.0970	0.0583	0.0378	0.0395	0.0583	0.00687	0.0086	0.0513
80	Jan-05	0.0990	0.0578	0.0312	0.0378	0.0562	0.00922	0.0077	0.0521
81	Feb-05	0.0935	0.0561	0.0313	0.0312	0.0578	0.00667	0.0071	0.0530
82	Mar-05	0.0970	0.0583	0.0396	0.0313	0.0561	0.00416	0.0108	0.0518
83	Apr-05	0.0988	0.0564	0.0424	0.0396	0.0583	0.00887	0.0070	0.0523
84	May-05	0.0991	0.0552	0.0427	0.0424	0.0564	0.00683	0.0076	0.0535

Ex Ante Risk Premium Cost of Equity Gas Companies

1	0.0346	+	(0.5626)	x	6.55%	=	0.0477
2	Intercept coefficient/(1-serial correlation coefficient) =						0.0646
3	Bond coefficient						(0.5626)
4	Bond yield =						0.0418
5	Bond coefficient * Bond yield =						(0.0385)
6	Expected Risk Premium						0.0511
7	Bond yield =						0.0418
8	Ex Ante Risk Premium Cost of Equity =						11.3%

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1	0.0846	+	(0.5626)	x	4.77%	=	0.0611
2	Intercept coefficient/(1-serial correlation coefficient) =						0.0646
3	Bond coefficient						(0.5626)
4	Bond yield =						0.0418
5	Bond coefficient * Bond yield =						(0.0385)
6	Expected Risk Premium						0.0511
7	Bond yield =						0.0418
8	Ex Ante Risk Premium Cost of Equity =						10.3%

85	Jun-05	0.0976	0.0540	0.0435	0.0427	0.0553	0.00743	0.0071	0.0542	0.1082
86	Jul-05	0.0986	0.0551	0.0415	0.0436	0.0546	0.00453	0.0094	0.0536	0.1087
87	Aug-05	0.0980	0.0550	0.0426	0.0415	0.0551	0.00675	0.0083	0.0536	0.1086
88	Sep-05	0.0980	0.0552	0.0428	0.0419	0.0550	0.00736	0.0086	0.0535	0.1087
89	Oct-05	0.0990	0.0579	0.0411	0.0423	0.0552	0.00483	0.0111	0.0520	0.1099
90	Nov-05	0.1049	0.0508	0.0401	0.0411	0.0570	0.01127	0.0098	0.0515	0.1103
91	Dec-05	0.1045	0.0580	0.0455	0.0461	0.0582	0.00748	0.0082	0.0519	0.1099
92	Jan-06	0.0962	0.0575	0.0497	0.0465	0.0586	0.00126	0.0084	0.0522	0.1097
93	Feb-06	0.1124	0.0582	0.0542	0.0407	0.0575	0.01979	0.0095	0.0518	0.1100
94	Mar-06	0.1127	0.0598	0.0529	0.0542	0.0582	0.00701	0.0105	0.0509	0.1107
95	Apr-06	0.1100	0.0674	0.0571	0.0529	0.0596	0.00226	0.0122	0.0492	0.1121
96	May-06	0.1056	0.0687	0.0554	0.0471	0.0579	0.00151	0.0109	0.0485	0.1127
97	Jun-06	0.1049	0.0640	0.0409	0.0414	0.0542	0.00556	0.0096	0.0488	0.1126
98	Jul-06	0.1087	0.0637	0.0450	0.0409	0.0540	0.01037	0.0095	0.0487	0.1124
99	Aug-06	0.1041	0.0620	0.0421	0.0450	0.0537	0.00297	0.0080	0.0497	0.1117
100	Sep-06	0.1053	0.0600	0.0453	0.0421	0.0526	0.00963	0.0075	0.0502	0.1108
101	Oct-06	0.1030	0.0598	0.0437	0.0453	0.0606	0.00482	0.0090	0.0509	0.1107
102	Nov-06	0.1033	0.0620	0.0453	0.0422	0.0598	0.00866	0.0073	0.0519	0.1099
103	Dec-06	0.1025	0.0581	0.0454	0.0453	0.0586	0.00703	0.0090	0.0519	0.1100
104	Jan-07	0.1013	0.0506	0.0417	0.0454	0.0581	0.00330	0.0104	0.0510	0.1106
105	Feb-07	0.1018	0.0590	0.0428	0.0417	0.0596	0.00749	0.0085	0.0514	0.1104
106	Mar-07	0.1018	0.0585	0.0433	0.0428	0.0590	0.00704	0.0085	0.0517	0.1102
107	Apr-07	0.1007	0.0597	0.0419	0.0437	0.0585	0.00438	0.0101	0.0510	0.1107
108	May-07	0.0987	0.0594	0.0386	0.0410	0.0597	0.00206	0.0092	0.0509	0.1108
109	Jun-07	0.0970	0.0630	0.0340	0.0368	0.0595	0.00261	0.0122	0.0491	0.1121
110	Jul-07	0.1005	0.0625	0.0381	0.0340	0.0630	0.00739	0.0091	0.0494	0.1119
111	Aug-07	0.1011	0.0624	0.0397	0.0381	0.0625	0.00738	0.0095	0.0495	0.1119
112	Sep-07	0.1014	0.0618	0.0395	0.0397	0.0624	0.00602	0.0090	0.0498	0.1116
113	Oct-07	0.1030	0.0611	0.0409	0.0396	0.0618	0.01336	0.0088	0.0502	0.1113
114	Nov-07	0.1083	0.0597	0.0435	0.0469	0.0611	0.00681	0.0079	0.0510	0.1107
115	Dec-07	0.1084	0.0616	0.0468	0.0466	0.0597	0.00571	0.0110	0.0499	0.1115
116	Jan-08	0.1113	0.0602	0.0511	0.0468	0.0616	0.01142	0.0080	0.0507	0.1109
117	Feb-08	0.1139	0.0621	0.0518	0.0511	0.0602	0.00855	0.0111	0.0496	0.1117
118	Mar-08	0.1147	0.0621	0.0526	0.0518	0.0621	0.00873	0.0095	0.0498	0.1117
119	Apr-08	0.1167	0.0629	0.0538	0.0526	0.0623	0.00929	0.0108	0.0492	0.1121
120	May-08	0.1209	0.0627	0.0542	0.0528	0.0626	0.00133	0.0094	0.0493	0.1120
121	Jun-08	0.1087	0.0638	0.0524	0.0442	0.0647	0.00409	0.0105	0.0487	0.1125
122	Jul-08	0.1066	0.0640	0.0445	0.0424	0.0638	0.00271	0.0100	0.0486	0.1126
123	Aug-08	0.1123	0.0647	0.0485	0.0446	0.0636	0.01077	0.0095	0.0487	0.1124
124	Sep-08	0.1130	0.0649	0.0481	0.0485	0.0637	0.00695	0.0109	0.0481	0.1130
125	Oct-08	0.1123	0.0756	0.0457	0.0481	0.0649	0.00497	0.0206	0.0421	0.1176
126	Nov-08	0.1123	0.0760	0.0451	0.0457	0.0756	0.00740	0.0120	0.0418	0.1178
127	Dec-08	0.1162	0.0654	0.0508	0.0461	0.0780	0.01175	0.0010	0.0478	0.1132
128	Jan-09	0.1131	0.0639	0.0492	0.0508	0.0654	0.00617	0.0085	0.0486	0.1125
129	Feb-09	0.1155	0.0630	0.0524	0.0492	0.0639	0.01076	0.0089	0.0491	0.1122
130	Mar-09	0.1198	0.0642	0.0556	0.0524	0.0630	0.01118	0.0108	0.0484	0.1127
131	Apr-09	0.1146	0.0648	0.0498	0.0556	0.0642	0.00265	0.0104	0.0481	0.1129
132	May-09	0.1125	0.0649	0.0576	0.0498	0.0648	0.00159	0.0100	0.0481	0.1130
133	Jun-09	0.1168	0.0639	0.0588	0.0576	0.0649	0.01003	0.0070	0.0487	0.1117
134	Jul-09	0.1145	0.0597	0.0548	0.0589	0.0620	0.00485	0.0071	0.0510	0.1107
135	Aug-09	0.1109	0.0571	0.0518	0.0548	0.0597	0.00745	0.0065	0.0525	0.1095
136	Sep-09	0.1109	0.0583	0.0556	0.0538	0.0571	0.00095	0.0070	0.0535	0.1088
137	Oct-09	0.1146	0.0555	0.0592	0.0556	0.0553	0.01208	0.0086	0.0534	0.1088
138	Nov-09	0.1148	0.0564	0.0584	0.0592	0.0555	0.00825	0.0094	0.0528	0.1092
139	Dec-09	0.1122	0.0579	0.0544	0.0584	0.0564	0.00494	0.0101	0.0520	0.1099
140	Jan-10	0.1168	0.0577	0.0621	0.0544	0.0570	0.01608	0.0087	0.0521	0.1098
141	Feb-10	0.1167	0.0587	0.0580	0.0621	0.0577	0.00532	0.0098	0.0516	0.1103
142	Mar-10	0.1074	0.0584	0.0490	0.0590	0.0587	-0.00012	0.0087	0.0517	0.1101
143	Apr-10	0.0934	0.0582	0.0552	0.0490	0.0584	-0.00924	0.0087	0.0518	0.1100
144	May-10	0.0970	0.0576	0.0438	0.0492	0.0582	0.01199	0.0059	0.0535	0.1087
145	Jun-10	0.0953	0.0546	0.0407	0.0418	0.0552	0.00523	0.0079	0.0538	0.1085
146	Jul-10	0.1099	0.0526	0.0524	0.0407	0.0546	0.01780	0.0064	0.0550	0.1076
147	Aug-10	0.1038	0.0501	0.0537	0.0524	0.0526	0.00940	0.0055	0.0564	0.1065
148	Sep-10	0.1034	0.0501	0.0533	0.0537	0.0501	0.00775	0.0077	0.0564	0.1065
149	Oct-10	0.1050	0.0510	0.0540	0.0538	0.0501	0.00885	0.0086	0.0559	0.1069
150	Nov-10	0.1041	0.0526	0.0505	0.0540	0.0510	0.00401	0.0104	0.0544	0.1080
151	Dec-10	0.1029	0.0557	0.0472	0.0505	0.0536	0.00441	0.0102	0.0539	0.1089
152	Jan-11	0.1019	0.0557	0.0462	0.0472	0.0557	0.00621	0.0086	0.0532	0.1089
153	Feb-11	0.1004	0.0568	0.0436	0.0462	0.0557	0.00449	0.0096	0.0526	0.1094
154	Mar-11	0.1014	0.0566	0.0458	0.0436	0.0568	0.00836	0.0075	0.0533	0.1089
155	Apr-11	0.1031	0.0555	0.0476	0.0458	0.0556	0.00878	0.0084	0.0534	0.1089
156	May-11	0.1018	0.0522	0.0486	0.0476	0.0555	0.00627	0.0062	0.0547	0.1078
157	Jun-11	0.1020	0.0526	0.0494	0.0486	0.0537	0.00825	0.0075	0.0550	0.1076
158	Jul-11	0.0935	0.0527	0.0508	0.0494	0.0526	0.00909	0.0081	0.0549	0.1076
159	Aug-11	0.1179	0.0469	0.0710	0.0508	0.0527	0.00795	0.0023	0.0582	0.1051
160	Sep-11	0.1155	0.0448	0.0707	0.0720	0.0469	0.01057	0.0051	0.0564	0.1042
161	Oct-11	0.1150	0.0452	0.0698	0.0707	0.0448	0.00993	0.0073	0.0592	0.1044
162	Nov-11	0.1120	0.0425	0.0699	0.0698	0.0452	0.01036	0.0042	0.0607	0.1032
163	Dec-11	0.1092	0.0435	0.0657	0.0695	0.0425	0.00887	0.0075	0.0601	0.1036
164	Jan-12	0.1078	0.0434	0.0644	0.0657	0.0435	0.00877	0.0066	0.0602	0.1036
165	Feb-12	0.1081	0.0436	0.0645	0.0644	0.0434	0.00993	0.0068	0.0601	0.1037
166	Mar-12	0.1081	0.0448	0.0632	0.0645	0.0436	0.00870	0.0079	0.0594	0.1042
167	Apr-12	0.1131	0.0440	0.0691	0.0633	0.0448	0.01348	0.0061	0.0598	0.1038
168	May-12	0.1201	0.0420	0.0781	0.0691	0.0440	0.01954	0.0047	0.0620	0.1030
169	Jun-12	0.1011	0.0430	0.0603	0.0781	0.0420	-0.00985	0.0052	0.0616	0.1024
170	Jul-12	0.0977	0.0393	0.0584	0.0603	0.0394	0.00729	0.0047	0.0625	0.1025
171	Aug-12	0.1023	0.0406	0.0623	0.0584	0.0393	0.01287	0.0067	0.0621	0.1023
172	Sep-12	0.1038	0.0402	0.0636	0.0623	0.0403	0.01085	0.0063	0.0620	0.1022
173	Oct-12	0.1011	0.0393	0.0620	0.0636	0.0402	0.00807	0.0050	0.0626	0.1017
174	Nov-12	0.1032	0.0384	0.0668	0.0620	0.0391	0.01227	0.0053	0.0620	0.1014
175	Dec-12	0.1023	0.0409	0.0623	0.0648	0.0384	0.00743	0.0075	0.0621	0.1021
176	Jan-13	0.1013	0.0415	0.0598	0.0623	0.0400	0.00708	0.0076	0.0612	0.1027
177	Feb-13	0.0982	0.0418	0.0584	0.0598	0.0415	0.00589	0.0066	0.0611	0.1029

Month	NI	NW	HL	CR	PL	FR	SN	SU	SW	US	WU	NR	TR	Mkt Cap	Avr. DCF	
Jun-98	0.65	0.35	1.30	1.30	0.95				0.65	1.20	1.57	1.51	15.72	11.54%		
Jul-98	0.62	0.33	1.20	1.30	0.98				0.62	1.10	1.40	1.43	15.20	11.86%		
Aug-98	0.62	0.33	1.20	1.30	0.98				0.62	1.10	1.40	1.43	15.20	11.86%		
Sep-98	0.62	0.33	1.20	1.30	0.98				0.62	1.10	1.40	1.43	15.20	11.86%		
Oct-98	0.65	0.30	1.30	1.30	1.00				0.65	1.20	1.78	1.53	19.62	12.00%		
Nov-98	0.65	0.30	1.30	1.30	1.00				0.65	1.20	1.78	1.53	19.62	12.11%		
Dec-98	0.65	0.30	1.30	1.30	1.00				0.65	1.20	1.87	1.52	19.82	11.85%		
Jan-99	0.68	0.30	1.30	1.30	1.00				0.68	1.50	2.57	1.31	19.78	11.55%		
Feb-99	0.68	0.30	1.30	1.30	1.00				0.68	1.50	2.57	1.31	19.82	12.43%		
Mar-99	0.68	0.30	1.30	1.30	1.00				0.68	1.50	2.57	1.31	19.82	12.57%		
Apr-99	0.60	0.30	0.88	1.30	1.10	0.25			0.67	0.55	1.10	1.66	1.45	19.57	12.00%	
May-99	0.60	0.30	0.88	1.30	1.10	0.25			0.67	0.55	1.10	1.75	1.53	19.84	12.14%	
Jun-99	0.60	0.30	0.88	1.30	1.10	0.25			0.67	0.55	1.10	1.84	1.53	20.70	12.08%	
Jul-99	0.65	0.33	0.98	1.40	1.00	0.25			0.65	0.63	1.20	1.78	1.51	20.77	12.22%	
Aug-99	0.65	0.33	0.98	1.40	1.00	0.25			0.65	0.63	1.20	1.78	1.51	20.77	12.22%	
Sep-99	0.65	0.33	0.98	1.40	1.00	0.25			0.65	0.63	1.20	1.81	1.47	20.79	12.22%	
Oct-99	0.65	0.33	0.98	1.40	1.00	0.25			0.65	0.63	1.30	1.88	1.46	20.99	12.33%	
Nov-99	0.65	0.33	0.98	1.40	1.00	0.25			0.65	0.63	1.30	1.92	1.40	20.90	12.40%	
Dec-99	0.65	0.33	0.98	1.40	1.00	0.25			0.65	0.63	1.30	1.99	1.22	20.38	12.30%	
Jan-00	0.60	0.33	0.87	1.20	0.98	0.23	0.33	0.65	0.60	0.60	1.30	1.74	1.25	18.97	11.01%	
Feb-00	0.60	0.33	0.87	1.20	0.98	0.23	0.33	0.65	0.60	0.60	1.30	1.60	1.15	18.85	11.44%	
Mar-00	0.60	0.33	0.87	1.20	0.98	0.23	0.33	0.65	0.60	0.60	1.30	1.74	1.25	18.97	11.01%	
Apr-00	0.68	0.33	0.68	1.00	0.80	0.20	0.33	0.60	0.55	1.10	1.95	1.52	18.24	11.95%		
May-00	0.68	0.33	0.68	1.00	0.80	0.20	0.33	0.60	0.55	1.10	2.01	1.62	17.34	12.92%		
Jun-00	0.68	0.33	0.68	1.00	0.80	0.20	0.33	0.60	0.55	1.10	1.91	1.55	17.62	12.95%		
Jul-00	0.68	0.33	0.68	1.00	0.80	0.20	0.33	0.60	0.55	1.10	2.01	1.56	20.83	11.71%		
Aug-00	0.68	0.33	0.68	1.00	0.80	0.20	0.33	0.60	0.55	1.10	2.06	1.74	21.26	12.90%		
Sep-00	0.68	0.33	0.68	1.00	0.80	0.20	0.33	0.60	0.55	1.10	2.20	2.23	22.47	12.57%		
Oct-00	0.60	0.40	1.10	1.20	0.95	0.30	0.33	0.60	0.65	1.20	2.11	2.17	21.88	12.00%		
Nov-00	0.60	0.40	1.10	1.20	0.95	0.30	0.33	0.60	0.65	1.20	2.14	2.13	21.80	12.55%		
Dec-00	0.60	0.40	1.10	1.20	0.95	0.30	0.33	0.60	0.65	1.20	2.17	2.22	21.05	12.38%		
Jan-01	0.63	0.38	1.40	1.10	0.28	0.31	0.66		0.63	0.83	2.07	2.24	23.83	12.01%		
Feb-01	0.63	0.38	1.40	1.10	0.28	0.31	0.66		0.63	0.83	2.07	2.24	23.83	12.01%		
Mar-01	0.63	0.38	1.40	1.10	0.28	0.31	0.66		0.63	0.83	2.07	2.24	23.83	12.01%		
Apr-01	0.60	0.37	1.30	1.60	1.10	0.25	0.35	0.65	0.68	1.40	2.20	2.58	25.44	12.27%		
May-01	0.60	0.37	1.30	1.60	1.10	0.25	0.35	0.65	0.68	1.40	2.26	2.50	26.55	13.02%		
Jun-01	0.60	0.37	1.30	1.60	1.10	0.25	0.35	0.65	0.68	1.40	2.26	2.50	26.55	13.02%		
Jul-01	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.90	1.80	24.38	13.38%		
Aug-01	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.90	1.83	24.00	13.27%		
Sep-01	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.83	1.63	22.48	13.08%		
Oct-01	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.86	1.78	22.64	13.08%		
Nov-01	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Dec-01	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jan-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Feb-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Mar-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Apr-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
May-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jun-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jul-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Aug-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Sep-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Oct-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Nov-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Dec-02	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jan-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Feb-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Mar-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Apr-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
May-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jun-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jul-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Aug-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Sep-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Oct-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Nov-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Dec-03	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jan-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Feb-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Mar-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Apr-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
May-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jun-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jul-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Aug-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Sep-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Oct-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Nov-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Dec-04	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Jan-05	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Feb-05	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Mar-05	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
Apr-05	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55	12.68%		
May-05	0.63	0.35	0.95	1.40	1.10	0.27	0.38	0.68	0.78	1.40	1.78	1.89	22.55			

Month	NI		NI Dividend	NI Growth	NI DCF	NI DCF High	NI DCF Low	NI DCF Average	NI DCF Dividend	NI DCF Growth	NI DCF DCF	NI DCF High	NI DCF Low	NI DCF Average	NI DCF Dividend	NI DCF Growth	NI DCF DCF	NI DCF High	NI DCF Low	NI DCF Average	NI DCF Dividend	NI DCF Growth	NI DCF DCF	NI DCF High	NI DCF Low	NI DCF Average	NI DCF Dividend	NI DCF Growth	NI DCF DCF	NI DCF High	NI DCF Low	NI DCF Average	NI DCF Dividend	NI DCF Growth																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Oct-11	20.51	21.65	0.92	8.40%	13.33%	0.0311	47.67	42.52	45.19	1.78	3.63%	6.00%	0.0040	77.18	82.43	88.55	1.24	9.25%	12.78%	0.0413	83.87	73.33	78.40	1.16	9.40%	12.73%	0.0375	87.13	80.31	83.75	1.16	9.40%	12.51%	0.0352	89.55	82.81	86.22	1.44	9.60%	12.70%	0.0354	84.42	83.11	82.27	1.64	9.90%	13.46%	0.0348	85.29	83.68	82.08	1.64	10.72%	14.10%	0.0340	86.46	79.13	82.79	1.64	11.60%	15.13%	0.0348	87.73	81.10	84.42	1.64	11.60%	15.13%	0.0348	89.00	82.37	85.73	1.64	12.50%	16.16%	0.0348	90.27	83.64	87.00	1.64	13.40%	17.19%	0.0348	91.54	85.01	88.37	1.64	14.30%	18.22%	0.0348	92.81	86.18	89.55	1.64	15.20%	19.25%	0.0348	94.08	87.35	90.62	1.64	16.10%	20.28%	0.0348	95.35	88.55	91.82	1.64	17.00%	21.31%	0.0348	96.62	89.72	93.09	1.64	17.90%	22.34%	0.0348	97.89	90.89	94.36	1.64	18.80%	23.37%	0.0348	99.16	92.06	95.63	1.64	19.70%	24.40%	0.0348	100.43	93.23	96.90	1.64	20.60%	25.43%	0.0348	101.70	94.40	98.17	1.64	21.50%	26.46%	0.0348	102.97	95.57	99.44	1.64	22.40%	27.49%	0.0348	104.24	96.74	100.71	1.64	23.30%	28.52%	0.0348	105.51	97.91	101.98	1.64	24.20%	29.55%	0.0348	106.78	99.08	103.25	1.64	25.10%	30.58%	0.0348	108.05	100.25	104.52	1.64	26.00%	31.61%	0.0348	109.32	101.42	105.79	1.64	26.90%	32.64%	0.0348	110.59	102.59	107.06	1.64	27.80%	33.67%	0.0348	111.86	103.76	108.33	1.64	28.70%	34.70%	0.0348	113.13	104.93	109.60	1.64	29.60%	35.73%	0.0348	114.40	106.10	110.87	1.64	30.50%	36.76%	0.0348	115.67	107.27	112.14	1.64	31.40%	37.79%	0.0348	116.94	108.44	113.41	1.64	32.30%	38.82%	0.0348	118.21	109.61	114.68	1.64	33.20%	39.85%	0.0348	119.48	110.78	115.95	1.64	34.10%	40.88%	0.0348	120.75	111.95	117.22	1.64	35.00%	41.91%	0.0348	122.02	113.12	118.49	1.64	35.90%	42.94%	0.0348	123.29	114.29	119.76	1.64	36.80%	43.97%	0.0348	124.56	115.46	121.03	1.64	37.70%	45.00%	0.0348	125.83	116.63	122.30	1.64	38.60%	46.03%	0.0348	127.10	117.80	123.57	1.64	39.50%	47.06%	0.0348	128.37	118.97	124.84	1.64	40.40%	48.09%	0.0348	129.64	120.14	126.11	1.64	41.30%	49.12%	0.0348	130.91	121.31	127.38	1.64	42.20%	50.15%	0.0348	132.18	122.48	128.65	1.64	43.10%	51.18%	0.0348	133.45	123.65	129.92	1.64	44.00%	52.21%	0.0348	134.72	124.82	131.19	1.64	44.90%	53.24%	0.0348	135.99	125.99	132.46	1.64	45.80%	54.27%	0.0348	137.26	127.16	133.73	1.64	46.70%	55.30%	0.0348	138.53	128.33	135.00	1.64	47.60%	56.33%	0.0348	139.80	129.50	136.27	1.64	48.50%	57.36%	0.0348	141.07	130.67	137.54	1.64	49.40%	58.39%	0.0348	142.34	131.84	138.81	1.64	50.30%	59.42%	0.0348	143.61	133.01	140.08	1.64	51.20%	60.45%	0.0348	144.88	134.18	141.35	1.64	52.10%	61.48%	0.0348	146.15	135.35	142.62	1.64	53.00%	62.51%	0.0348	147.42	136.52	143.89	1.64	53.90%	63.54%	0.0348	148.69	137.69	145.16	1.64	54.80%	64.57%	0.0348	149.96	138.86	146.43	1.64	55.70%	65.60%	0.0348	151.23	140.03	147.70	1.64	56.60%	66.63%	0.0348	152.50	141.20	148.97	1.64	57.50%	67.66%	0.0348	153.77	142.37	150.24	1.64	58.40%	68.69%	0.0348	155.04	143.54	151.51	1.64	59.30%	69.72%	0.0348	156.31	144.71	152.78	1.64	60.20%	70.75%	0.0348	157.58	145.88	154.05	1.64	61.10%	71.78%	0.0348	158.85	147.05	155.32	1.64	62.00%	72.81%	0.0348	160.12	148.22	156.59	1.64	62.90%	73.84%	0.0348	161.39	149.39	157.86	1.64	63.80%	74.87%	0.0348	162.66	150.56	159.13	1.64	64.70%	75.90%	0.0348	163.93	151.73	160.40	1.64	65.60%	76.93%	0.0348	165.20	152.90	161.67	1.64	66.50%	77.96%	0.0348	166.47	154.07	162.94	1.64	67.40%	78.99%	0.0348	167.74	155.24	164.21	1.64	68.30%	80.02%	0.0348	169.01	156.41	165.48	1.64	69.20%	81.05%	0.0348	170.28	157.58	166.75	1.64	70.10%	82.08%	0.0348	171.55	158.75	168.02	1.64	71.00%	83.11%	0.0348	172.82	159.92	169.29	1.64	71.90%	84.14%	0.0348	174.09	161.09	170.56	1.64	72.80%	85.17%	0.0348	175.36	162.26	171.83	1.64	73.70%	86.20%	0.0348	176.63	163.43	173.10	1.64	74.60%	87.23%	0.0348	177.90	164.60	174.37	1.64	75.50%	88.26%	0.0348	179.17	165.77	175.64	1.64	76.40%	89.29%	0.0348	180.44	166.94	176.91	1.64	77.30%	90.32%	0.0348	181.71	168.11	178.18	1.64	78.20%	91.35%	0.0348	182.98	169.28	179.45	1.64	79.10%	92.38%	0.0348	184.25	170.45	180.72	1.64	80.00%	93.41%	0.0348	185.52	171.62	181.99	1.64	80.90%	94.44%	0.0348	186.79	172.79	183.26	1.64	81.80%	95.47%	0.0348	188.06	173.96	184.53	1.64	82.70%	96.50%	0.0348	189.33	175.13	185.80	1.64	83.60%	97.53%	0.0348	190.60	176.30	187.07	1.64	84.50%	98.56%	0.0348	191.87	177.47	188.34	1.64	85.40%	99.59%	0.0348	193.14	178.64	189.61	1.64	86.30%	100.62%	0.0348	194.41	179.81	190.88	1.64	87.20%	101.65%	0.0348	195.68	180.98	192.15	1.64	88.10%	102.68%	0.0348	196.95	182.15	193.42	1.64	89.00%	103.71%	0.0348	198.22	183.32	194.69	1.64	89.90%	104.74%	0.0348	199.49	184.49	195.96	1.64	90.80%	105.77%	0.0348	200.76	185.66	197.23	1.64	91.70%	106.80%	0.0348	202.03	186.83	198.50	1.64	92.60%	107.83%	0.0348	203.30	188.00	199.77	1.64	93.50%	108.86%	0.0348	204.57	189.17	201.04	1.64	94.40%	109.89%	0.0348	205.84	190.34	202.31	1.64	95.30%	110.92%	0.0348	207.11	191.51	203.58	1.64	96.20%	111.95%	0.0348	208.38	192.68	204.85	1.64	97.10%	112.98%	0.0348	209.65	193.85	206.12	1.64	98.00%	114.01%	0.0348	210.92	195.02	207.39	1.64	98.90%	115.04%	0.0348	212.19	196.19	208.66	1.64	99.80%	116.07%	0.0348	213.46	197.36	209.93	1.64	100.70%	117.10%	0.0348	214.73	198.53	211.20	1.64	101.60%	118.13%	0.0348	216.00	199.70	212.47	1.64	102.50%	119.16%	0.0348	217.27	200.87	213.74	1.64	103.40%	120.19%	0.0348	218.54	202.04	215.01	1.64	104.30%	121.22%	0.0348	219.81	203.21	216.28	1.64	105.20%	122.25%	0.0348	221.08	204.38	217.55	1.64	106.10%	123.28%	0.0348	222.35	205.55	218.82	1.64	107.00%	124.31%	0.0348	223.62	206.72	220.09	1.64	107.90%	125.34%	0.0348	224.89	207.89	221.36	1.64	108.80%	126.37%	0.0348	226.16	209.06	222.63	1.64	109.70%	127.40%	0.0348	227.43	210.23	223.90	1.64	110.60%	128.43%	0.0348	228.70	211.40	225.17	1.64	111.50%	129.46%	0.0348	230.00	212.57	226.44	1.64	112.40%	130.49%	0.0348	231.27	213.74	227.71	1.64	113.30%	131.52%	0.0348	232.54	214.91	228.98	1.64	114.20%	132.55%	0.0348	233.81	216.08	230.25	1.64	115.10%	133.58%	0.0348	235.08	217.25	231.52	1.64	116.00%	134.61%	0.0348	236.35	218.42	232.79	1.64	116.90%	135.64%	0.0348	237.62	219.59	234.06	1.64	117.80%	136.67%	0.0348	238.89	220.76	235.33	1.64	118.70%	137.70%	0.0348	240.16	221.93	236.60	1.64	119.60%	138.73%	0.0348	241.43	223.10	237.87	1.64	120.50%	139.76%	0.0348	242.70	224.27	239.14	1.64	121.40%	140.79%	0.0348	243.97	225.44	240.41	1.64	122.30%	141.82%	0.0348	245.24	226.61	241.68	1.64	123.20%	142.85%	0.0348	246.51	227.78	242.95	1.64	124.10%	143.88%	0.0348	247.78	228.95	244.22	1.64	125.00%	144.91%	0.0348	249.05	230.12	245.49	1.64	125.90%	145.94%	0.0348	250.32	231.29	246.76	1.64	126.80%	146.97%	0.0348	251.59	232.46	248.03	1.64	127.70%	148.00%	0.0348	252.86	233.63	249.30	1.64	128.60%	149.03%	0.0348	254.13	234.80	250.57	1.64	129.50%	150.06%	0.0348	255.40	235.97	251.84	1.64	130.40%	151.09%	0.0348	256.67	237.14	253.11	1.64	131.30%	152.12%	0.0348	257.94	238.31	254.38	1.64	132.20%	153.15%	0.0348	259.21	239.48	255.65	1.64	133.10%	154.18%	0.0348	260.48	240.65	256.92	1.64	134.00%	155.21%	0.0348	261.75	241.82	258.19	1.64	134

Month	UGI Average	UGI Dividend	UGI Growth	UGI DCF	UGI High	UGI Low	UGI Average	UGI Dividend	UGI Growth	UGI DCF	WGL High	WGL Low	WGL Average	WGL Dividend	WGL Growth	WGL DCF	NFG High	NFG Low	NFG Average	NFG Dividend	NFG Growth	NFG DCF	STR High	STR Low	STR Average	STR Dividend	STR Growth	STR DCF	GAS ATQ	CGC	EUN	EGT	KSE	LS	NIR	GAS			
Oct-11	26.67	1.04	3.20%		43.88	36.84	40.36	1.55	4.60%	8.93%	0.0079	64.11	48.33	54.31	1.42	1.20%							19.79	16.92	18.31	0.65	5.85%	0.0122	3.18										
Nov-11	26.91	1.04	0.20%		43.98	40.11	41.85	1.55	4.60%	8.70%	0.0066	64.99	51.43	58.81	1.42	1.20%							19.95	18.23	19.09	0.65	5.85%	0.0122	3.21										
Dec-11	28.79	1.04	0.20%		44.99	41.43	41.21	1.55	4.60%	8.61%	0.0062	62.14	51.12	58.68	1.42	1.20%							20.08	18.73	19.40	0.65	5.85%	0.0122	4.95										
Jan-12	27.93	1.04	0.20%		44.97	42.51	43.74	1.55	3.93%	7.66%	0.0056	56.99	48.02	52.50	1.42	1.55%							20.17	19.07	19.62	0.65	5.85%	0.0122	4.95										
Feb-12	28.62	1.04	0.20%		45.93	42.52	42.16	1.55	4.50%	8.69%	0.0054	51.54	46.83	49.20	1.42	0.50%							19.37	19.07	19.31	0.65	4.95%	0.0050	4.62										
Mar-12	27.75	1.04	0.20%		41.80	39.85	40.83	1.55	4.50%	8.24%	0.0055	51.52	46.94	49.23	1.42	0.50%							20.14	19.10	19.64	0.65	4.95%	0.0051	4.62										
Apr-12	27.97	1.04	0.20%		41.80	34.56	39.93	1.55	4.50%	8.92%	0.0058												19.82	18.86	19.34	0.65	5.10%		4.62										
May-12	28.96	1.04	0.20%		40.69	37.93	39.31	1.55	4.60%	8.78%	0.0063												20.16	19.28	19.73	0.65	5.10%		4.33										
Jun-12	28.76	1.04	0.20%		41.04	37.45	39.33	1.57	4.60%	8.84%	0.0069												20.47	19.57	20.52	0.65	5.10%		4.53										
Jul-12	30.52	1.04	0.20%		41.53	39.13	40.33	1.57	4.60%	8.73%	0.0072												21.31	19.54	20.43	0.65	5.10%	0.0130	4.53										
Aug-12	30.65	1.04			41.48	34.97	40.22	1.57	0.80%	8.93%	0.0072												20.70	19.63	20.17	0.68	5.00%	0.0121	4.91										
Sep-12	31.07	1.04			41.13	34.99	40.26	1.60	5.69%	8.88%	0.0070												20.34	19.23	19.79	0.68	4.50%		4.54										
Oct-12					40.31	34.53	39.44	1.62	5.60%	10.18%	0.0071																		4.54										
Nov-12					40.17	35.96	38.07	1.60	5.60%	10.13%	0.0073																		4.84										
Dec-12					40.13	38.22	39.18	1.60	5.69%	10.21%	0.0072																		4.84										
Jan-13					42.17	38.30	40.24	1.68	5.69%	10.12%	0.0072																		4.76										
Feb-13					43.33	41.10	42.26	1.68	5.25%	9.72%	0.0080																		4.74										

Month	NI	ANN	NUJ	OKS	PGL	PHY	SEW	SH	SWX	UGI	WGL	NFG	STK	Mkt Cap	Av. DCF
Oct-11	6.00	2.21		7.77		2.24		1.64			2.16			24.19	11.50%
Nov-11	6.41	2.24		8.57		2.35		1.69			2.19		3.43	29.06	11.50%
Dec-11	6.49	2.25		8.92		2.39		1.71			2.17		3.53	31.75	10.91%
Jan-12	6.39	2.27		8.56		2.35		1.65			2.10		3.43	30.73	10.78%
Feb-12	6.60	2.22		8.65		2.29		1.55			2.07		3.44	33.23	10.81%
Mar-12	6.92	2.23		8.51		2.25		1.52			2.12		3.53	33.57	10.81%
Apr-12	7.19	2.22		9.02		2.16		1.49			2.07			30.73	11.31%
May-12	7.92	2.23	8.29			2.14					2.00			28.00	12.01%
Jun-12	7.05	2.28				2.25					2.07			30.54	10.11%
Jul-12	7.05	2.28				2.32					2.07		3.77	25.22	9.75%
Aug-12	7.21	2.31				2.29		1.63			2.10		3.63	28.25	10.74%
Sep-12	7.29	2.34				2.31		1.64			2.05			23.63	10.85%
Oct-12	7.87	2.22				2.33		1.62			2.09			22.21	10.18%
Nov-12	7.87	2.22				2.33		1.62			2.09			23.21	10.31%
Dec-12	7.87	2.22				2.33		1.62			2.09			23.24	10.31%
Jan-13	8.60	2.23				2.42		1.76			2.19			24.50	10.11%
Feb-13	8.60	2.23				2.42		1.76			2.19			26.42	9.92%

Line	Date	DCF	Bond Yield	Risk Premium	Y	X	X	X	X	Adjusted Risk Premium	Adjusted Bond Yield
					Risk Premium	Lag Risk Premium	A Bond Yield	Lag Yield			
1	Jan-88	0.1154	0.0703	0.0451	0.0483	0.0451	0.0703	0.0703		0.0102	0.0108
2	Jan-88	0.1186	0.0703	0.0483	0.0534	0.0534	0.0703	0.0703		0.0124	0.0105
3	Aug-88	0.1234	0.0700	0.0534	0.0580	0.0534	0.0693	0.0700		0.0128	0.0100
4	Sep-88	0.1273	0.0693	0.0580	0.0634	0.0580	0.0693	0.0693		0.0072	0.0109
5	Oct-88	0.1260	0.0696	0.0564	0.0508	0.0564	0.0703	0.0696		0.0031	0.0113
6	Nov-88	0.1211	0.0703	0.0508	0.0494	0.0508	0.0691	0.0703		0.0063	0.0096
7	Dec-88	0.1185	0.0691	0.0494	0.0488	0.0494	0.0697	0.0691		0.0080	0.0112
8	Jan-89	0.1195	0.0697	0.0488	0.0534	0.0534	0.0709	0.0697		0.0112	0.0119
9	Feb-89	0.1263	0.0700	0.0534	0.0571	0.0534	0.0726	0.0700		0.0076	0.0125
10	Mar-89	0.1257	0.0726	0.0534	0.0538	0.0538	0.0722	0.0726		0.0069	0.0107
11	Apr-89	0.1269	0.0722	0.0538	0.0474	0.0474	0.0747	0.0722		0.0018	0.0135
12	May-89	0.1221	0.0747	0.0474	0.0494	0.0494	0.0774	0.0747		0.0032	0.0141
13	Jun-89	0.1208	0.0774	0.0494	0.0451	0.0451	0.0771	0.0774		0.0084	0.0115
14	Jul-89	0.1222	0.0771	0.0451	0.0429	0.0451	0.0791	0.0771		0.0047	0.0138
15	Aug-89	0.1220	0.0791	0.0429	0.0433	0.0433	0.0793	0.0791		0.0069	0.0123
16	Sep-89	0.1226	0.0793	0.0433	0.0427	0.0433	0.0806	0.0793		0.0060	0.0134
17	Oct-89	0.1233	0.0806	0.0427	0.0446	0.0446	0.0814	0.0806		0.0084	0.0111
18	Nov-89	0.1240	0.0794	0.0446	0.0469	0.0469	0.0814	0.0794		0.0038	0.0141
19	Dec-89	0.1186	0.0814	0.0469	0.0466	0.0466	0.0835	0.0814		0.0071	0.0146
20	Jan-90	0.1301	0.0835	0.0466	0.0519	0.0519	0.0825	0.0835		0.0124	0.0118
21	Feb-90	0.1344	0.0825	0.0519	0.0510	0.0510	0.0828	0.0825		0.0077	0.0129
22	Mar-90	0.1344	0.0838	0.0510	0.0487	0.0487	0.0828	0.0838		0.0038	0.0143
23	Apr-90	0.1316	0.0838	0.0487	0.0482	0.0482	0.0828	0.0838		0.0069	0.0116
24	May-90	0.1292	0.0838	0.0482	0.0459	0.0459	0.0836	0.0838		0.0102	0.0099
25	Jun-90	0.1255	0.0836	0.0459	0.0402	0.0402	0.0825	0.0836		0.0032	0.0117
26	Jul-90	0.1317	0.0825	0.0402	0.0477	0.0477	0.0813	0.0825		0.0062	0.0114
27	Aug-90	0.1290	0.0813	0.0477	0.0434	0.0434	0.0823	0.0813		0.0030	0.0134
28	Sep-90	0.1257	0.0813	0.0434	0.0446	0.0446	0.0814	0.0813		0.0078	0.0117
29	Oct-90	0.1260	0.0814	0.0446	0.0449	0.0449	0.0811	0.0814		0.0063	0.0122
30	Nov-90	0.1251	0.0811	0.0449	0.0455	0.0455	0.0784	0.0811		0.0082	0.0097
31	Dec-90	0.1239	0.0784	0.0455	0.0481	0.0481	0.0780	0.0784		0.0095	0.0116
32	Jan-91	0.1261	0.0780	0.0481	0.0487	0.0487	0.0774	0.0780		0.0079	0.0113
33	Feb-91	0.1261	0.0774	0.0487	0.0507	0.0507	0.0768	0.0774		0.0095	0.0112
34	Mar-91	0.1275	0.0768	0.0507	0.0433	0.0433	0.0794	0.0768		0.0038	0.0143
35	Apr-91	0.1277	0.0794	0.0433	0.0487	0.0487	0.0794	0.0794		0.0117	0.0126
36	May-91	0.1302	0.0793	0.0487	0.0483	0.0483	0.0799	0.0794		0.0093	0.0138
37	Jun-91	0.1304	0.0785	0.0483	0.0519	0.0519	0.0785	0.0793		0.0093	0.0138
38	Jul-91	0.1338	0.0778	0.0519	0.0560	0.0560	0.0778	0.0785		0.0120	0.0113
39	Aug-91	0.1327	0.0759	0.0560	0.0568	0.0568	0.0759	0.0778		0.0094	0.0100
40	Sep-91	0.1368	0.0775	0.0568	0.0493	0.0493	0.0775	0.0759		0.0011	0.0132
41	Oct-91	0.1268	0.0764	0.0505	0.0505	0.0505	0.0763	0.0775		0.0088	0.0107
42	Nov-91	0.1264	0.0757	0.0511	0.0511	0.0511	0.0757	0.0763		0.0083	0.0111
43	Dec-91	0.1254	0.0783	0.0511	0.0471	0.0471	0.0783	0.0757		0.0038	0.0142
44	Jan-92	0.1236	0.0766	0.0471	0.0470	0.0470	0.0766	0.0783		0.0097	0.0103
45	Feb-92	0.1241	0.0754	0.0470	0.0487	0.0487	0.0754	0.0766		0.0089	0.0105
46	Mar-92	0.1389	0.0776	0.0413	0.0413	0.0413	0.0776	0.0754		0.0090	0.0127
47	Apr-92	0.1159	0.0757	0.0402	0.0402	0.0402	0.0757	0.0776		0.0082	0.0100
48	May-92	0.1362	0.0752	0.0410	0.0410	0.0410	0.0752	0.0757		0.0070	0.0111
49	Jun-92	0.1370	0.0741	0.0419	0.0419	0.0419	0.0741	0.0752		0.0082	0.0104
50	Jul-92	0.1342	0.0731	0.0511	0.0429	0.0429	0.0731	0.0741		0.0147	0.0103
51	Aug-92	0.1234	0.0717	0.0517	0.0517	0.0517	0.0717	0.0731		0.0084	0.0098
52	Sep-92	0.1260	0.0708	0.0552	0.0552	0.0552	0.0708	0.0717		0.0114	0.0101
53	Oct-92	0.1250	0.0723	0.0527	0.0527	0.0527	0.0723	0.0708		0.0060	0.0123
54	Nov-92	0.1221	0.0714	0.0507	0.0507	0.0507	0.0714	0.0723		0.0060	0.0102
55	Dec-92	0.1216	0.0707	0.0509	0.0509	0.0509	0.0707	0.0714		0.0079	0.0102
56	Jan-93	0.1219	0.0705	0.0513	0.0513	0.0513	0.0706	0.0707		0.0082	0.0107
57	Feb-93	0.1232	0.0693	0.0539	0.0539	0.0539	0.0693	0.0706		0.0105	0.0095
58	Mar-93	0.1195	0.0679	0.0516	0.0516	0.0516	0.0679	0.0693		0.0059	0.0092
59	Apr-93	0.1167	0.0664	0.0498	0.0498	0.0498	0.0664	0.0679		0.0061	0.0089
60	May-93	0.1176	0.0636	0.0499	0.0499	0.0499	0.0636	0.0664		0.0069	0.0084
61	Jun-93	0.1154	0.0621	0.0483	0.0483	0.0483	0.0621	0.0636		0.0018	0.0078
62	Jul-93	0.1127	0.0657	0.0470	0.0470	0.0470	0.0657	0.0621		0.0052	0.0083
63	Aug-93	0.1139	0.0678	0.0461	0.0461	0.0461	0.0678	0.0657		0.0063	0.0122
64	Sep-93	0.1127	0.0656	0.0471	0.0471	0.0471	0.0656	0.0678		0.0081	0.0082
65	Oct-93	0.1123	0.0643	0.0480	0.0480	0.0480	0.0643	0.0656		0.0081	0.0087
66	Nov-93	0.1089	0.0637	0.0452	0.0452	0.0452	0.0637	0.0643		0.0046	0.0092
67	Dec-93	0.1071	0.0627	0.0444	0.0444	0.0444	0.0627	0.0637		0.0061	0.0087
68	Jan-94	0.1059	0.0615	0.0444	0.0444	0.0444	0.0615	0.0627		0.0020	0.0084
69	Feb-94	0.1039	0.0615	0.0424	0.0424	0.0424	0.0615	0.0615		0.0048	0.0094
70	Mar-94	0.1037	0.0597	0.0440	0.0440	0.0440	0.0597	0.0615		0.0081	0.0075
71	Apr-94	0.1041	0.0635	0.0405	0.0405	0.0405	0.0635	0.0597		0.0033	0.0129
72	May-94	0.1045	0.0622	0.0393	0.0393	0.0393	0.0622	0.0635		0.0039	0.0127
73	Jun-94	0.1036	0.0645	0.0399	0.0399	0.0399	0.0645	0.0622		0.0062	0.0084
74	Jul-94	0.1011	0.0627	0.0384	0.0384	0.0384	0.0627	0.0645		0.0052	0.0080
75	Aug-94	0.1008	0.0614	0.0394	0.0394	0.0394	0.0614	0.0627		0.0069	0.0083
76	Sep-94	0.0976	0.0598	0.0378	0.0378	0.0378	0.0598	0.0614		0.0044	0.0078
77	Oct-94	0.0974	0.0594	0.0380	0.0380	0.0380	0.0594	0.0598		0.0060	0.0087
78	Nov-94	0.0962	0.0597	0.0365	0.0365	0.0365	0.0597	0.0594		0.0043	0.0094
79	Dec-94	0.0970	0.0592	0.0378	0.0378	0.0378	0.0592	0.0597		0.0069	0.0086
80	Jan-95	0.0999	0.0578	0.0412	0.0412	0.0412	0.0578	0.0592		0.0092	0.0077
81	Feb-95	0.0979	0.0561	0.0418	0.0418	0.0418	0.0561	0.0578		0.0069	0.0071
82	Mar-95	0.0979	0.0583	0.0396	0.0396	0.0396	0.0583	0.0561		0.0042	0.0078
83	Apr-95	0.0988	0.0564	0.0424	0.0424	0.0424	0.0564	0.0583		0.0089	0.0070
84	May-95	0.0981	0.0553	0.0427	0.0427	0.0427	0.0553	0.0564		0.0088	0.0076
85	Jun-95	0.0976	0.0549	0.0436	0.0436	0.0436	0.0549	0.0553		0.0074	0.0074
86	Jul-95	0.0956	0.0551	0.0415	0.0415	0.0415	0.0551	0.0549		0.0045	0.0084
87	Aug-95	0.0959	0.0550	0.0419	0.0419	0.0419	0.0550	0.0551		0.0067	0.0082
88	Sep-95	0.0980	0.0552	0.0408	0.0408	0.0408	0.0552	0.0550		0.0074	0.0086
89	Oct-95	0.0950	0.0570	0.0411	0.0411	0.0411	0.0570	0.0552		0.0048	0.0111
90	Nov-95	0.1049	0.0588	0.0461	0.0461	0.0461	0.0588	0.0570		0.0113	0.0098
91	Dec-95	0.1045	0.0580	0.0463	0.0463	0.0463	0.0580	0.0588		0.0075	0.0082
92	Jan-96	0.0982	0.0575	0.0407	0.0407	0.0407	0.0575	0.0580		0.0013	0.0084
93	Feb-96	0.1134	0.0582	0.0542	0.0542	0.0542	0.0582	0.0575		0.0198	0.0095
94	Mar-96	0.1117	0.0598	0.0529	0.0529	0.0529	0.0598	0.0582		0.0070	0.0105
95	Apr-96	0.1100	0.0629	0.0471	0.0471	0.0471	0.0629	0.0598		0.0023	0.0122
96	May-96	0.1056	0.0642	0.0434	0.0434	0.0434	0.0642	0.0629		0.0029	0.0095
97	Jun-96	0.1049	0.0646	0.0409	0.0409	0.0409	0.0646	0.0642		0.0042	0.0096
98	Jul-96	0.1087									

127	Dec-08	0.1162	0.0654	0.0508	0.0508	0.0461	0.0654	0.0760	0.0117	0.0010
128	Jan-09	0.1131	0.0639	0.0492	0.0492	0.0508	0.0639	0.0654	0.0062	0.0085
129	Feb-09	0.1155	0.0630	0.0524	0.0524	0.0492	0.0630	0.0639	0.0108	0.0049
130	Mar-09	0.1198	0.0642	0.0556	0.0556	0.0524	0.0642	0.0630	0.0112	0.0108
131	Apr-09	0.1146	0.0648	0.0498	0.0498	0.0556	0.0648	0.0642	0.0027	0.0104
132	May-09	0.1225	0.0649	0.0576	0.0576	0.0498	0.0649	0.0648	0.0155	0.0100
133	Jun-09	0.1208	0.0620	0.0588	0.0588	0.0576	0.0620	0.0649	0.0100	0.0070
134	Jul-09	0.1145	0.0597	0.0548	0.0548	0.0588	0.0597	0.0620	0.0049	0.0072
135	Aug-09	0.1109	0.0571	0.0538	0.0538	0.0548	0.0571	0.0597	0.0075	0.0065
136	Sep-09	0.1109	0.0553	0.0536	0.0536	0.0538	0.0553	0.0571	0.0049	0.0070
137	Oct-09	0.1146	0.0555	0.0592	0.0592	0.0556	0.0555	0.0553	0.0121	0.0086
138	Nov-09	0.1148	0.0564	0.0584	0.0584	0.0592	0.0564	0.0555	0.0083	0.0094
139	Dec-09	0.1123	0.0579	0.0544	0.0544	0.0584	0.0579	0.0564	0.0049	0.0101
140	Jan-10	0.1198	0.0577	0.0621	0.0621	0.0544	0.0577	0.0579	0.0161	0.0047
141	Feb-10	0.1167	0.0587	0.0580	0.0580	0.0621	0.0587	0.0577	0.0053	0.0098
142	Mar-10	0.1074	0.0584	0.0490	0.0490	0.0580	0.0584	0.0587	-0.0001	0.0087
143	Apr-10	0.0934	0.0582	0.0352	0.0352	0.0490	0.0582	0.0584	-0.0062	0.0047
144	May-10	0.0970	0.0552	0.0418	0.0418	0.0352	0.0552	0.0582	0.0130	0.0059
145	Jun-10	0.0953	0.0546	0.0407	0.0407	0.0418	0.0546	0.0552	0.0052	0.0079
146	Jul-10	0.1050	0.0526	0.0524	0.0524	0.0407	0.0526	0.0546	0.0179	0.0064
147	Aug-10	0.1038	0.0501	0.0537	0.0537	0.0524	0.0501	0.0526	0.0094	0.0055
148	Sep-10	0.1034	0.0501	0.0533	0.0533	0.0537	0.0501	0.0501	0.0078	0.0077
149	Oct-10	0.1050	0.0510	0.0540	0.0540	0.0533	0.0510	0.0501	0.0088	0.0086
150	Nov-10	0.1041	0.0536	0.0505	0.0505	0.0540	0.0536	0.0510	0.0018	0.0104
151	Dec-10	0.1029	0.0557	0.0472	0.0472	0.0505	0.0557	0.0536	0.0044	0.0102
152	Jan-11	0.1019	0.0557	0.0462	0.0462	0.0472	0.0557	0.0557	0.0062	0.0086
153	Feb-11	0.1004	0.0588	0.0438	0.0438	0.0462	0.0588	0.0557	0.0045	0.0096
154	Mar-11	0.1014	0.0556	0.0458	0.0458	0.0438	0.0556	0.0568	0.0088	0.0075
155	Apr-11	0.1031	0.0555	0.0476	0.0476	0.0458	0.0555	0.0556	0.0038	0.0084
156	May-11	0.1018	0.0532	0.0486	0.0486	0.0476	0.0532	0.0555	0.0083	0.0062
157	Jun-11	0.1020	0.0526	0.0494	0.0494	0.0486	0.0526	0.0532	0.0082	0.0075
158	Jul-11	0.1035	0.0527	0.0508	0.0508	0.0494	0.0527	0.0526	0.0090	0.0091
159	Aug-11	0.1179	0.0469	0.0710	0.0710	0.0508	0.0469	0.0527	0.0280	0.0023
160	Sep-11	0.1155	0.0448	0.0707	0.0707	0.0710	0.0448	0.0469	0.0106	0.0051
161	Oct-11	0.1150	0.0452	0.0698	0.0698	0.0707	0.0452	0.0448	0.0095	0.0074
162	Nov-11	0.1170	0.0425	0.0695	0.0695	0.0698	0.0425	0.0452	0.0194	0.0042
163	Dec-11	0.1062	0.0435	0.0657	0.0657	0.0695	0.0435	0.0425	0.0059	0.0075
164	Jan-12	0.1078	0.0434	0.0644	0.0644	0.0657	0.1134	0.0435	0.0088	0.0056
165	Feb-12	0.1081	0.0436	0.0645	0.0645	0.0644	0.0436	0.0434	0.0089	0.0058
166	Mar-12	0.1081	0.0448	0.0633	0.0633	0.0645	0.0448	0.0436	0.0087	0.0079
167	Apr-12	0.1131	0.0440	0.0691	0.0691	0.0633	0.0440	0.0448	0.0155	0.0051
168	May-12	0.1101	0.0420	0.0781	0.0781	0.0691	0.0420	0.0440	0.0153	0.0047
169	Jun-12	0.1011	0.0408	0.0603	0.0603	0.0781	0.0408	0.0420	-0.0050	0.0052
170	Jul-12	0.0977	0.0303	0.0584	0.0584	0.0603	0.0393	0.0408	0.0073	0.0047
171	Aug-12	0.1023	0.0400	0.0623	0.0623	0.0584	0.0400	0.0393	0.0129	0.0067
172	Sep-12	0.1038	0.0402	0.0636	0.0636	0.0623	0.0402	0.0400	0.0109	0.0063
173	Oct-12	0.1011	0.0391	0.0620	0.0620	0.0636	0.0391	0.0402	0.0081	0.0050
174	Nov-12	0.1032	0.0384	0.0648	0.0648	0.0620	0.0384	0.0391	0.0123	0.0053
175	Dec-12	0.1023	0.0400	0.0623	0.0623	0.0648	0.0400	0.0384	0.0074	0.0075
176	Jan-13	0.1013	0.0415	0.0588	0.0588	0.0623	0.0415	0.0400	0.0071	0.0076
177	Feb-13	0.0982	0.0418	0.0564	0.0564	0.0588	0.0418	0.0415	0.0077	0.0066

Simple Regression - Risk Premium vs. Bond Yield
 Dependent variable: Risk Premium
 Independent variable: Bond Yield
 Linear model: $Y = a + b \cdot X$

Coefficients

Parameter	Least Squares Estimate	Standard Error	T Statistic	P-Value
Intercept	0.0676793	0.00305483	22.1548	0
Slope	-0.293628	0.0474429	-6.18909	0

Analysis of Variance

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Model	0.00194531	1	0.00194531	38.3	0
Residual	0.00888735	175	5.07849E-05		
Total (Corr.)	0.0108327	176			

Correlation Coefficient = -0.423766
 R-squared = 17.9578 percent
 R-squared (adjusted for d.f.) = 17.489 percent
 Standard Error of Est. = 0.00712635
 Mean absolute error = 0.00575144
 Durbin-Watson statistic = 0.315151 (P=0.0000)
 Lag 1 residual autocorrelation = 0.842158

Gas Multiple Regression

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Multiple Regression - Risk Premium_1

Dependent variable: Risk Premium_1

Independent variables:

- Lag Risk Premium
- A Bond Yield
- Lag Yield

Parameter	Estimate	Standard Error	T Statistic	P-Value
CONSTANT	0.00966143	0.00312542	3.09124	0.0023
Lag Risk Premium	0.847018	0.0395647	21.4084	0
A Bond Yield	-0.832582	0.147198	-5.65621	0
Lag Yield	0.797436	0.149418	5.33697	0

Analysis of Variance

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Model	0.00842689	3	0.00280896	202.15	0.00
Residual	0.00238996	172	1.38951E-05		
Total (Corr.)	0.0108168	175			

R-squared = 77.9052 percent

R-squared (adjusted for d.f.) = 77.5199 percent

Standard Error of Est. = 0.00372761

Mean absolute error = 0.00253435

Durbin-Watson statistic = 1.88305 (P=0.2197)

Lag 1 residual autocorrelation = 0.0556875

Gas Adjusted Regression

Simple Regression - Adjusted Risk Premium vs. Adjusted Bond Yield
 Dependent variable: Adjusted Risk Premium
 Independent variable: Adjusted Bond Yield
 Linear model: $Y = a + b \cdot X$

Coefficients

Parameter	Least Squares Estimate	Standard Error	T Statistic	P-Value
Intercept	0.0129396	0.00111895	11.5641	0
Slope	-0.562635	0.11327	-4.96721	0

Analysis of Variance

Source	Sum of Squares	Df	Mean Square	F-Ratio
Model	0.000355729	1	0.000355729	24.67
Residual	0.00250866	174	1.44176E-05	
Total (Corr.)	0.00286439	175		

Correlation Coefficient = -0.352406
 R-squared = 12.419 percent
 R-squared (adjusted for d.f.) = 11.9156 percent
 Standard Error of Est. = 0.00379705
 Mean absolute error = 0.00264739
 Durbin-Watson statistic = 1.88383 (P=0.2213)
 Lag 1 residual autocorrelation = 0.0533897

Value Line Selection & Opinion, February 22, 2013

Aaa-rated Corporate Forecast	5.80%
10-Year Treasury Note Forecast	4.20%

Feb-13		Spread	Forecast
Aaa-rated Corporate	3.90%		
A-rated Utility	4.18%	0.28%	6.08%
BBB-rated Utility	4.74%	0.84%	6.64%
10-Year Treasury Note	1.98%		
20-year Treasury	2.78%	0.80%	5.00%

Energy Information Administration January 2013

AA Utility Bond Rate Forecast	6.78%
10-Year Treasury Note Forecast	4.70%

Feb-13		Spread	Forecast
AA-rated utility bond	3.95%		
A-rated utility bond	4.18%	0.23%	7.01%
BBB-rated Utility	4.74%	0.79%	7.57%
10-Year Treasury Note	1.98%		
20-year Treasury	2.78%	0.80%	5.50%

Average, VL and EIA

A-rated Utility Forecast	6.55%
BBB-rated Utility Forecast	7.11%
20-year Treasury Forecast	5.25%

Value Line Selection & Opinion (Feb. 22, 2013) projects a AAA-rated Corporate bond yield equal to 5.8 percent. The Feb. 2013 average spread between A-rated utility bonds and Aaa-rated Corporate bonds is thirty-five basis points (A-rated utility, 4.18 percent, less Aaa-rated Corporate, 3.9 percent, equals twenty-eight basis points). Adding twenty-eight basis points to the 5.8 percent Value Line AAA Corporate bond forecast yield equals an A-utility bond forecast yield of 6.08 percent. The U.S. Energy Information Administration (EIA) at January 2013 forecasts an AA-rated utility bond yield equal to 6.78 percent. The average spread between AA-rated utility and A-rated utility bonds at Feb. 2013 is twenty-three basis points (4.18 percent less 3.95 percent). Adding twenty-three basis points to the 6.78 percent AA-utility bond forecast equals a forecast yield for A-rated utility bonds equal to 7.01 percent. The average of the forecasts (6.08 percent using Value Line data and 7.01 percent using EIA data) is 6.55 percent.

Value Line forecasts a yield on 10-year Treasury notes equal to 4.2 percent. The current spread between the average February 2013 yield on 10-year Treasury notes (1.98 percent) and 20-year Treasury bonds (2.78 percent) is eighty basis points. Adding eighty basis points to Value Line's 4.2 percent 10-year Treasury note forecast produces a forecasted yield of 5.0 percent for 20-year Treasury bonds (see Value Line Investment Survey, Selection & Opinion, Feb. 22, 2013). The EIA forecasts a yield of 4.7 percent on 10-year Treasury notes. Adding the eighty basis point spread between 10-year Treasury notes and 20-year Treasury bonds to the EIA 10-year Treasury note forecast of 4.7 percent equals a EIA forecast for 20-year Treasury bonds equal to 5.5 percent. The average of the forecasts (5.0 percent using Value Line data and 5.5 percent using EIA data) is 5.25 percent.

Schedule 4
Comparative Returns on S&P 500 Stock Index
and Moody's A-Rated Utility Bonds 1937 - 2012

Line	Year	S&P 500 Stock		Stock		A-rated Bond		
		Price	Dividend Yield	Stock Return	Price	Bond Return	Risk Premium	
1	2012	1,390.58	0.0214		\$94.36			
2	2011	1,282.62	0.0185	3.25%	\$77.36	27.14%	-23.89%	
3	2010	1,123.58	0.0203	16.18%	\$75.02	8.44%	7.74%	
4	2009	865.58	0.0310	32.91%	\$68.43	15.48%	17.43%	
5	2008	1,378.76	0.0206	-35.16%	\$72.25	0.24%	-35.40%	
6	2007	1,424.16	0.0181	-1.38%	\$72.91	4.59%	-5.97%	
7	2006	1,278.72	0.0183	13.20%	\$75.25	2.20%	11.01%	
8	2005	1,181.41	0.0177	10.01%	\$74.91	5.80%	4.21%	
9	2004	1,132.52	0.0162	5.94%	\$70.87	11.34%	-5.40%	
10	2003	895.84	0.0180	28.22%	\$62.26	20.27%	7.95%	
11	2002	1,140.21	0.0138	-20.05%	\$57.44	15.35%	-35.40%	
12	2001	1,385.63	0.0116	-13.47%	\$56.40	8.93%	-22.40%	
13	2000	1,425.59	0.0118	-5.13%	\$52.60	14.82%	-19.95%	
14	1999	1,248.77	0.0130	15.46%	\$63.03	-10.20%	25.66%	
15	1998	963.35	0.0162	31.25%	\$62.43	7.38%	23.87%	
16	1997	766.22	0.0195	27.68%	\$56.62	17.32%	10.86%	
17	1996	614.42	0.0231	27.02%	\$60.91	-0.48%	27.49%	
18	1995	465.25	0.0287	34.93%	\$50.22	29.26%	5.68%	
19	1994	472.99	0.0269	1.05%	\$60.01	-9.65%	10.71%	
20	1993	435.23	0.0288	11.56%	\$53.13	20.48%	-8.93%	
21	1992	416.08	0.0290	7.50%	\$49.56	15.27%	-7.77%	
22	1991	325.49	0.0382	31.65%	\$44.84	19.44%	12.21%	
23	1990	339.97	0.0341	-0.85%	\$45.60	7.11%	-7.96%	
24	1989	285.41	0.0364	22.76%	\$43.06	15.18%	7.58%	
25	1988	250.48	0.0366	17.61%	\$40.10	17.36%	0.25%	
26	1987	264.51	0.0317	-2.13%	\$48.92	-9.84%	7.71%	
27	1986	208.19	0.0390	30.95%	\$39.98	32.36%	-1.41%	
28	1985	171.61	0.0451	25.83%	\$32.57	35.05%	-9.22%	
29	1984	166.39	0.0427	7.41%	\$31.49	16.12%	-8.72%	
30	1983	144.27	0.0479	20.12%	\$29.41	20.65%	-0.53%	
31	1982	117.28	0.0595	28.96%	\$24.48	36.48%	-7.51%	
32	1981	132.97	0.0480	-7.00%	\$29.37	-3.01%	-3.99%	
33	1980	110.87	0.0541	25.34%	\$34.69	-3.81%	29.16%	
34	1979	99.71	0.0533	16.52%	\$43.91	-11.89%	28.41%	
35	1978	90.25	0.0532	15.80%	\$49.09	-2.40%	18.20%	
36	1977	103.80	0.0399	-9.06%	\$50.95	4.20%	-13.27%	
37	1976	96.86	0.0380	10.96%	\$43.91	25.13%	-14.17%	
38	1975	72.56	0.0507	38.56%	\$41.76	14.75%	23.81%	
39	1974	96.11	0.0364	-20.86%	\$52.54	-12.91%	-7.96%	
40	1973	118.40	0.0269	-16.14%	\$58.51	-3.37%	-12.77%	
41	1972	103.30	0.0296	17.58%	\$56.47	10.69%	6.89%	
42	1971	93.49	0.0332	13.81%	\$53.93	12.13%	1.69%	
43	1970	90.31	0.0356	7.08%	\$50.46	14.81%	-7.33%	
44	1969	102.00	0.0306	-8.40%	\$62.43	-12.76%	4.36%	
45	1968	95.04	0.0313	10.45%	\$66.97	-0.81%	11.26%	
46	1967	84.45	0.0351	16.05%	\$78.69	-9.81%	25.86%	
47	1966	93.32	0.0302	-6.48%	\$86.57	-4.48%	-2.00%	
48	1965	86.12	0.0299	11.35%	\$91.40	-0.91%	12.26%	
49	1964	76.45	0.0305	15.70%	\$92.01	3.68%	12.02%	
50	1963	65.06	0.0331	20.82%	\$93.56	2.61%	18.20%	
51	1962	69.07	0.0297	-2.84%	\$89.60	8.89%	-11.73%	
52	1961	59.72	0.0328	18.94%	\$89.74	4.29%	14.64%	
53	1960	58.03	0.0327	6.18%	\$84.36	11.13%	-4.95%	
54	1959	55.62	0.0324	7.57%	\$91.55	-3.49%	11.06%	
55	1958	41.12	0.0448	39.74%	\$101.22	-5.60%	45.35%	
56	1957	45.43	0.0431	-5.18%	\$100.70	4.49%	-9.67%	
57	1956	44.15	0.0424	7.14%	\$113.00	-7.35%	14.49%	
58	1955	35.60	0.0438	28.40%	\$116.77	0.20%	28.20%	
59	1954	25.46	0.0569	45.52%	\$112.79	7.07%	38.45%	
60	1953	26.18	0.0545	2.70%	\$114.24	2.24%	0.46%	
61	1952	24.19	0.0582	14.05%	\$113.41	4.26%	9.79%	
62	1951	21.21	0.0634	20.39%	\$123.44	-4.89%	25.23%	
63	1950	16.88	0.0665	32.30%	\$125.08	1.89%	30.41%	
64	1949	15.36	0.0620	16.10%	\$119.82	7.72%	8.37%	
65	1948	14.83	0.0571	9.28%	\$118.50	4.49%	4.79%	
66	1947	15.21	0.0449	1.99%	\$126.02	-2.79%	4.79%	
67	1946	18.02	0.0356	-12.03%	\$126.74	2.59%	-14.63%	
68	1945	13.49	0.0460	38.18%	\$119.82	9.11%	29.07%	
69	1944	11.85	0.0495	18.79%	\$119.82	3.34%	15.45%	
70	1943	10.09	0.0554	22.98%	\$118.50	4.49%	18.49%	
71	1942	8.93	0.0788	20.87%	\$117.63	4.14%	16.73%	
72	1941	10.55	0.0638	-8.98%	\$116.34	4.55%	-13.52%	
73	1940	12.30	0.0458	-9.65%	\$112.39	7.08%	-16.73%	
74	1939	12.50	0.0349	1.89%	\$105.75	10.05%	-8.16%	
75	1938	11.31	0.0784	18.36%	\$99.83	9.94%	8.42%	
76	1937	17.59	0.0434	-31.36%	\$103.18	0.63%	-31.99%	
77	Average			11.0%		6.7%	4.3%	

Schedule 5
Comparative Returns on S&P Utility Stock Index
and Moody's A-Rated Utility Bonds 1937 - 2012

Line	Year	S&P Utility Stock		Stock Return	A-rated Bond		
		Stock Price	Dividend Yield		Price	Bond Return	Risk Premium
1	2012				\$84.36		
2	2011			19.99%	\$77.36	27.14%	-7.15%
3	2010			7.04%	\$75.02	8.44%	-1.40%
4	2009			10.71%	\$68.43	15.48%	-4.77%
5	2008			-25.90%	\$72.25	0.24%	-26.14%
6	2007			16.56%	\$72.91	4.59%	11.96%
7	2006			20.76%	\$75.25	2.20%	18.56%
8	2005			16.05%	\$74.91	5.80%	10.25%
9	2004			22.84%	\$70.87	11.34%	11.50%
10	2003			23.48%	\$62.26	20.27%	3.21%
11	2002			-14.73%	\$57.44	15.35%	-30.08%
10	2002	243.79	0.0362		\$57.44		
11	2001	307.70	0.0287	-17.90%	\$56.40	8.93%	-26.83%
12	2000	239.17	0.0413	32.78%	\$52.60	14.82%	17.95%
13	1999	253.52	0.0394	-1.72%	\$63.03	-10.20%	8.48%
14	1998	228.61	0.0457	15.47%	\$62.43	7.38%	8.03%
15	1997	201.14	0.0492	18.58%	\$56.62	17.32%	1.25%
16	1996	202.57	0.0454	3.83%	\$60.91	-0.48%	4.31%
17	1995	153.87	0.0584	37.49%	\$50.22	29.26%	8.23%
18	1994	168.70	0.0496	-8.83%	\$60.01	-9.65%	5.82%
19	1993	159.79	0.0537	10.95%	\$53.13	20.48%	-9.54%
20	1992	149.70	0.0572	12.46%	\$49.56	15.27%	-2.81%
21	1991	138.38	0.0607	14.25%	\$44.84	19.44%	-5.19%
22	1990	146.04	0.0558	0.33%	\$45.60	7.11%	-6.78%
23	1989	114.37	0.0699	34.68%	\$43.06	15.18%	19.51%
24	1988	106.13	0.0704	14.80%	\$40.10	17.36%	-2.55%
25	1987	120.09	0.0588	-5.74%	\$48.92	-9.84%	4.10%
26	1986	92.06	0.0742	37.87%	\$39.98	32.36%	5.51%
27	1985	75.83	0.0860	30.00%	\$32.57	35.05%	-5.04%
28	1984	68.50	0.0925	19.95%	\$31.49	16.12%	3.83%
29	1983	61.89	0.0948	20.16%	\$29.41	20.65%	-0.49%
30	1982	51.81	0.1074	30.20%	\$24.48	36.48%	-6.28%
31	1981	52.01	0.0978	9.40%	\$29.37	-3.01%	12.41%
32	1980	50.26	0.0953	13.01%	\$34.69	-3.81%	16.83%
33	1979	50.33	0.0893	8.79%	\$43.91	-11.89%	20.68%
34	1978	52.40	0.0791	3.96%	\$49.09	-2.40%	6.36%
35	1977	54.01	0.0714	4.16%	\$50.95	4.20%	-0.04%
36	1976	46.99	0.0776	22.70%	\$43.91	25.13%	-2.43%
37	1975	38.19	0.0920	32.24%	\$41.76	14.75%	17.49%
38	1974	48.60	0.0713	-14.29%	\$52.54	-12.91%	-1.58%
39	1973	60.01	0.0556	-13.45%	\$58.51	-3.37%	-10.08%
40	1972	60.19	0.0542	5.12%	\$56.47	10.69%	-5.57%
41	1971	63.43	0.0504	-0.07%	\$53.93	12.13%	-12.19%
42	1970	55.72	0.0561	19.45%	\$50.46	14.81%	4.64%
43	1969	68.65	0.0445	-14.38%	\$62.43	-12.76%	-1.62%
44	1968	68.02	0.0435	5.29%	\$66.97	-0.81%	6.08%
45	1967	70.63	0.0392	0.22%	\$78.69	-9.81%	10.03%
46	1966	74.50	0.0347	-1.72%	\$86.57	-4.48%	2.76%
47	1965	75.87	0.0315	1.34%	\$91.40	-0.91%	2.25%
48	1964	67.26	0.0331	16.11%	\$92.01	3.68%	12.43%
49	1963	63.35	0.0330	9.47%	\$93.56	2.61%	6.86%
50	1962	62.69	0.0320	4.25%	\$89.60	8.89%	-4.64%
51	1961	52.73	0.0358	22.47%	\$89.74	4.29%	18.18%
52	1960	44.50	0.0403	22.52%	\$84.36	11.13%	11.39%
53	1959	43.96	0.0377	5.00%	\$91.55	-3.49%	8.49%
54	1958	33.30	0.0487	36.88%	\$101.22	-5.60%	42.48%
55	1957	32.32	0.0487	7.90%	\$100.70	4.49%	3.41%
56	1956	31.55	0.0472	7.16%	\$113.00	-7.35%	14.51%
57	1955	29.89	0.0461	10.16%	\$116.77	0.20%	9.97%
58	1954	25.51	0.0520	22.37%	\$112.79	7.07%	15.30%
59	1953	24.41	0.0511	9.62%	\$114.24	2.24%	7.98%
60	1952	22.22	0.0550	15.36%	\$113.41	4.26%	11.10%
61	1951	20.01	0.0606	17.10%	\$123.44	-4.89%	21.99%
62	1950	20.20	0.0554	4.60%	\$125.08	1.89%	2.71%
63	1949	16.54	0.0570	27.83%	\$119.82	7.72%	20.10%
64	1948	16.53	0.0535	5.41%	\$118.50	4.49%	0.92%
65	1947	19.21	0.0354	-10.41%	\$126.02	-2.79%	-7.62%
66	1946	21.34	0.0298	-7.00%	\$126.74	2.59%	-9.59%
67	1945	13.91	0.0448	57.89%	\$119.82	9.11%	48.79%
68	1944	12.10	0.0569	20.65%	\$119.82	3.34%	17.31%
69	1943	9.22	0.0621	37.45%	\$118.50	4.49%	32.96%
70	1942	8.54	0.0940	17.36%	\$117.63	4.14%	13.22%
71	1941	13.25	0.0717	-28.38%	\$116.34	4.55%	-32.92%
72	1940	16.97	0.0540	-16.52%	\$112.39	7.08%	-23.60%
73	1939	16.05	0.0553	11.26%	\$105.75	10.05%	1.21%
74	1938	14.30	0.0730	19.54%	\$99.83	9.94%	9.59%
75	1937	24.34	0.0432	-36.93%	\$103.18	0.63%	-37.55%
76	Average			10.6%		6.7%	3.8%

Ex Post Regressions

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Time	SP500 Return	Bond Return	SP500 Risk Premium	SPUtilities Return	SPUtilRiskPremium	
2011	0.0325	0.2714		-0.2389	0.1999	-0.0715
2010	0.1618	0.0844		0.0774	0.0704	-0.0140
2009	0.3291	0.1548		0.1743	0.1071	-0.0477
2008	-0.3519	0.0024		-0.3543	-0.2590	-0.2614
2007	-0.0127	0.0459		-0.0586	0.1656	0.1196
2006	0.1320	0.0220		0.1101	0.2076	0.1856
2005	0.1001	0.0580		0.0421	0.1605	0.1025
2004	0.0594	0.1134		-0.0540	0.2284	0.1150
2003	0.2822	0.2027		0.0795	0.2348	0.0321
2002	-0.2005	0.1535		-0.3540	-0.1473	-0.3008
2001	-0.1347	0.0893		-0.2240	-0.1790	-0.2683
2000	-0.0513	0.1482		-0.1995	0.3278	0.1796
1999	0.1546	-0.1020		0.2566	-0.0172	0.0848
1998	0.3125	0.0738		0.2387	0.1547	0.0809
1997	0.2768	0.1732		0.1036	0.1858	0.0126
1996	0.2702	-0.0048		0.2749	0.0383	0.0431
1995	0.3493	0.2926		0.0568	0.3749	0.0823
1994	0.0105	-0.0965		0.1071	-0.0383	0.0582
1993	0.1156	0.2048		-0.0893	0.1095	-0.0954
1992	0.0750	0.1527		-0.0777	0.1246	-0.0281
1991	0.3165	0.1944		0.1221	0.1425	-0.0519
1990	-0.0085	0.0711		-0.0796	0.0033	-0.0678
1989	0.2276	0.1518		0.0758	0.3468	0.1951
1988	0.1761	0.1736		0.0025	0.1480	-0.0255
1987	-0.0213	-0.0984		0.0771	-0.0574	0.0410
1986	0.3095	0.3236		-0.0141	0.3787	0.0551
1985	0.2583	0.3505		-0.0922	0.3000	-0.0504
1984	0.0741	0.1612		-0.0872	0.1995	0.0383
1983	0.2012	0.2065		-0.0053	0.2016	-0.0049
1982	0.2896	0.3648		-0.0751	0.3020	-0.0628
1981	-0.0700	-0.0301		-0.0399	0.0940	0.1241
1980	0.2534	-0.0381		0.2916	0.1301	0.1683
1979	0.1652	-0.1189		0.2841	0.0879	0.2068
1978	0.1580	-0.0240		0.1820	0.0396	0.0636
1977	-0.0906	0.0420		-0.1327	0.0416	-0.0004
1976	0.1096	0.2513		-0.1417	0.2270	-0.0243
1975	0.3856	0.1475		0.2381	0.3224	0.1749
1974	-0.2086	-0.1291		-0.0796	-0.1429	-0.0138
1973	-0.1614	-0.0337		-0.1277	-0.1345	-0.1008
1972	0.1758	0.1069		0.0689	0.0512	-0.0557
1971	0.1381	0.1213		0.0169	-0.0007	-0.1219
1970	0.0708	0.1481		-0.0773	0.1945	0.0464
1969	-0.0840	-0.1276		0.0436	-0.1438	-0.0162
1968	0.1045	-0.0081		0.1126	0.0528	0.0608
1967	0.1605	-0.0981		0.2586	0.0022	0.1003
1966	-0.0648	-0.0448		-0.0200	-0.0172	0.0276
1965	0.1135	-0.0091		0.1226	0.0134	0.0225
1964	0.1570	0.0368		0.1202	0.1611	0.1243
1963	0.2082	0.0261		0.1820	0.0947	0.0686
1962	-0.0284	0.0889		-0.1173	0.0425	-0.0464
1961	0.1894	0.0429		0.1464	0.2247	0.1818
1960	0.0618	0.1113		-0.0495	0.2252	0.1139
1959	0.0757	-0.0349		0.1106	0.0500	0.0849
1958	0.3974	-0.0560		0.4535	0.3688	0.4248
1957	-0.0518	0.0449		-0.0967	0.0790	0.0341
1956	0.0714	-0.0735		0.1449	0.0716	0.1451
1955	0.2840	0.0020		0.2820	0.1016	0.0997
1954	0.4552	0.0707		0.3845	0.2237	0.1530
1953	0.0270	0.0224		0.0046	0.0962	0.0738
1952	0.1405	0.0426		0.0979	0.1536	0.1110
1951	0.2039	-0.0489		0.2528	0.1710	0.2198
1950	0.3230	0.0189		0.3041	0.0460	0.0271
1949	0.1610	0.0772		0.0837	0.2783	0.2010
1948	0.0928	0.0449		0.0479	0.0541	0.0092
1947	0.0199	-0.0279		0.0479	-0.1041	-0.0762
1946	-0.1203	0.0259		-0.1463	-0.0700	-0.0959
1945	0.3818	0.0911		0.2907	0.5789	0.4879
1944	0.1879	0.0334		0.1545	0.2065	0.1731
1943	0.2298	0.0449		0.1849	0.3745	0.3296
1942	0.2087	0.0414		0.1673	0.1736	0.1322
1941	-0.0898	0.0455		-0.1352	-0.2838	-0.3292
1940	-0.0965	0.0708		-0.1673	-0.1652	-0.2360
1939	0.0189	0.1005		-0.0816	0.1126	0.0121
1938	0.1836	0.0994		0.0842	0.1954	0.0959
1937	-0.3136	0.0063		-0.3199	-0.3693	-0.3755

1937
S&P 500 Risk Premium vs. Time
SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.1931
R Square	0.0373
Adjusted R Square	0.0241
Standard Error	0.1677
Observations	75

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	0.0796	0.0796	2.8284	0.0969
Residual	73	2.0533	0.0281		
Total	74	2.1329			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.0128	1.7660	1.7061	0.0923	(0.5067)	6.5324	(0.5067)	6.5324
Time	(0.0015)	0.0009	(1.6813)	0.0969	(0.0033)	0.0003	(0.0033)	0.0003

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.1448
R Square	0.0210
Adjusted R Square	0.0076
Standard Error	0.1482
Observations	75

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	0.0344	0.0344	1.5641	0.2151
Residual	73	1.6037	0.0220		
Total	74	1.6380			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	1.9901	1.5607	1.2752	0.2063	(1.1203)	5.1005	(1.1203)	5.1005
Time	(0.0010)	0.0008	(1.2506)	0.2151	(0.0026)	0.0006	(0.0026)	0.0006

Table 2

REGRESSION OUTPUT FOR RISK PREMIUM ON S&P 500

Line No.		Intercept	Time	Adjusted R Square	F
1	Coefficient	3.013	(0.002)	0.024	2.828
2	T Statistic	1.706	(1.682)		

Table 3

REGRESSION OUTPUT FOR RISK PREMIUM ON S&P UTILITIES

Line No.		Intercept	Time	Adjusted R Square	F
1	Coefficient	1.990	(0.001)	0.008	1.564
2	T Statistic	1.275	(1.251)		

Ex Post Risk Premium

CASE NO. 2013-00148
ATTACHMENT 1
TO STAFF DR. NO. 2-48

EX POST RISK PREMIUM COST OF EQUITY

Risk Premium S&P 500	4.3%
Risk Premium S&P Utilities	3.8%
Average Risk Premium	4.1%
Forecast Yield A-utility bond	6.6%
Flotation	0.22%
Risk Premium Cost of Equity	10.8%

Response to Staff Set 2, No. 47, subpart c

Risk Premium S&P 500	4.3%
Risk Premium S&P Utilities	3.8%
Average Risk Premium	4.1%
February 2013 A-rated bond yield	4.2%
Flotation	0.22%
Risk Premium Cost of Equity	8.5%

Schedule 7

EXHIBIT__(JVW-1)

SCHEDULE 7

CALCULATION OF CAPITAL ASSET PRICING MODEL COST OF EQUITY
USING THE IBBOTSON[®] S&P 500[®] 6.6 PERCENT RISK PREMIUM

Line		Value	Description
1	Risk-free Rate	5.25%	Long-term Treasury bond yield forecast
2	Beta	0.72	Average Beta Gas Utilities
3	Risk Premium	6.6%	Long-horizon S&P 500 risk premium
4	Beta x Risk Premium	4.8%	
5	Flotation	0.22%	
6	Model Result	10.2%	

ibbotson S&P 500 risk premium
from 2012 Ibbotson[®] S&P 500[®]
Stocks, Bonds, Bills, and
Inflation[®] Valuation Yearbook;
Value Line beta for comparable
companies September 2012.
Forecast 20-year Treasury bond
yield from Value Line Selection
& Opinion, February 2013 and
EIA 2013.

Line	Company	Value Line Beta	Market Cap \$ (Mil)
1	AGL Resources	0.75	4,736
2	Atmos Energy	0.70	3,518
3	Laclede Group	0.55	928
4	New Jersey Resources	0.65	1,885
5	NISource Inc.	0.80	8,691
6	Northwest Nat. Gas	0.60	1,229
7	Piedmont Natural Gas	0.65	2,465
8	South Jersey Inds.	0.65	1,763
9	WGL Holdings Inc.	0.65	2,185
10	Average	0.67	
11	Market-weighted Average	0.72	

EXHIBIT__(JWV-1)

SCHEDULE 8

CALCULATION OF CAPITAL ASSET PRICING MODEL COST OF EQUITY

USING DCF ESTIMATE OF THE EXPECTED RATE OF RETURN ON THE MARKET PORTFOLIO

Line		Value	Description
1	Risk-free Rate	5.25%	Long-term Treasury bond yield forecast
2	Beta	0.72	Average Beta Gas Utilities
3	DCF S&P 500	12.4%	DCF Cost of Equity S&P 500 (see following)
4	Risk Premium	7.15%	
5	Beta * Risk Premium	5.15%	
6	Flotation cost	0.22%	
7	Model Result	10.6%	

Ibbotson S&P risk premium
from 2012 Ibbotson S&P
Stocks, Bonds, Bills, and
Inflation Valuation Yearbook;
Value Line beta for comparable
companies. Forecast 20-year
Treasury bond yield from Value
Line Selection & Opinion,
February 2013 and EIA 2013.

SCHEDULE 9 Continued

Calculation of Capital Asset pricing Model Cost of Equity
Using DCF Estimate of the Expected Rate of Return
on the Market Portfolio

Line	Company	P ₀	D ₀	Growth	Model Result	Market Cap \$ (mils)
1	3M	97.46	2.54	9.83%	12.7%	71,600
2	ABBOTT LABORATORIES	32.81	0.56	11.73%	13.6%	52,775
3	ACCENTURE CLASS A	70.78	1.62	11.22%	13.8%	52,074
4	ADT	46.55	0.50	11.10%	12.3%	11,131
5	AIR PRDS.& CHEMS.	85.96	2.56	8.94%	12.2%	17,926
6	AIRGAS	93.40	1.60	12.48%	14.4%	7,646
7	ALLERGAN	99.76	0.20	12.89%	13.1%	33,400
8	ALLSTATE	42.92	1.00	8.25%	10.8%	22,130
9	ALTERA	33.96	0.40	12.00%	13.3%	11,354
10	AMERICAN EXPRESS	59.39	0.80	10.94%	12.4%	68,897
11	AMERISOURCEBERGEN	44.76	0.84	12.00%	14.1%	11,044
12	AMGEN	87.14	1.88	9.93%	12.3%	69,290
13	ASSURANT	37.27	0.84	9.67%	12.2%	3,296
14	AT&T	34.55	1.80	5.50%	11.1%	197,753
15	AUTOMATIC DATA PROC.	58.99	1.74	9.20%	12.5%	29,901
16	AVERY DENNISON	37.08	1.08	10.13%	13.4%	4,092
17	BAKER HUGHES	43.76	0.60	9.64%	11.2%	19,612
18	BALL	44.89	0.52	10.30%	11.6%	6,608
19	BAXTER INT'L.	67.05	1.80	8.78%	11.7%	37,614
20	BEAM	60.50	0.90	11.73%	13.4%	9,785
21	BOEING	75.39	1.94	10.67%	13.5%	58,436
22	BOSTON PROPERTIES	105.74	2.60	9.47%	12.2%	15,698
23	CARDINAL HEALTH	43.27	1.10	10.50%	13.3%	15,853
24	CBS 'B'	40.10	0.48	12.02%	13.4%	25,540
25	CH ROBINSON WWD.	62.84	1.40	12.19%	14.7%	9,190
26	CINTAS	42.41	0.64	10.30%	12.0%	5,400
27	CISCO SYSTEMS	20.48	0.56	8.40%	11.4%	111,065
28	CITIGROUP	40.55	0.04	12.44%	12.6%	127,962
29	CLOROX	77.54	2.56	8.00%	11.6%	10,998
30	COCA COLA	37.26	1.12	8.95%	12.3%	172,475
31	COCA COLA ENTS.	33.54	0.80	10.27%	12.9%	9,930
32	COLGATE-PALM.	108.58	2.48	9.70%	12.2%	53,369
33	CONAGRA FOODS	31.64	1.00	8.80%	12.3%	14,236
34	COSTCO WHOLESALE	101.50	1.10	13.04%	14.3%	44,182
35	CUMMINS	111.18	2.00	9.67%	11.7%	21,842
36	DANAHER	58.18	0.10	12.87%	13.1%	42,498
37	DARDEN RESTAURANTS	46.78	2.00	6.60%	11.2%	5,974
38	DEERE	88.92	2.04	10.00%	12.5%	34,238
39	DELL	11.98	0.32	8.43%	11.4%	24,340
40	DENTSPLY INTL.	40.97	0.25	10.83%	11.5%	5,880
41	DISCOVER FINANCIAL SVS.	39.19	0.56	10.67%	12.3%	19,360
42	DOW CHEMICAL	32.10	1.28	6.62%	10.9%	38,311
43	EMERSON ELECTRIC	54.83	1.64	9.13%	12.4%	40,487
44	EQUIFAX	55.70	0.88	12.89%	14.7%	6,728
45	EXPEDIA	62.83	0.52	13.46%	14.4%	7,814
46	FAMILY DOLLAR STORES	61.00	0.84	12.86%	14.4%	6,797
47	FEDEX	98.15	0.56	12.76%	13.4%	33,138
48	FIDELITY NAT.INFO.SVS.	36.21	0.88	11.88%	14.6%	11,090
49	FLUOR	60.77	0.64	10.80%	12.0%	9,833
50	FMC	58.78	0.54	11.12%	12.1%	8,246
51	FORD MOTOR	12.75	0.40	10.53%	14.0%	48,566
52	GAP	32.31	0.60	9.37%	11.4%	16,238
53	GARMIN	39.30	1.80	6.62%	11.6%	7,312
54	GENERAL MILLS	42.08	1.32	7.93%	11.4%	29,996
55	HASBRO	37.79	1.60	6.88%	11.5%	5,164
56	HONEYWELL INTL.	66.33	1.64	10.42%	13.2%	54,904
57	HUMANA	70.69	1.04	10.50%	12.1%	10,749
58	ILLINOIS TOOL WORKS	62.16	1.52	8.43%	11.1%	27,808
59	INGERSOLL-RAND	50.19	0.84	10.93%	12.8%	15,388
60	INTERNATIONAL BUS.MCHS.	197.54	3.40	9.86%	11.8%	226,145
61	INTERPUBLIC GP.	11.72	0.30	8.44%	11.2%	5,294
62	INTUIT	61.83	0.68	13.43%	14.7%	19,277
63	J M SMUCKER	89.16	2.08	8.43%	11.0%	10,442
64	JOHNSON CONTROLS	30.53	0.76	11.57%	14.4%	21,539
65	JOY GLOBAL	62.94	0.70	12.67%	13.9%	6,591
66	KROGER	27.16	0.60	9.80%	12.2%	15,309
67	LIMITED BRANDS	46.84	1.20	11.17%	14.0%	12,939
68	LINEAR TECH.	35.81	1.04	9.48%	12.7%	8,817
69	LOCKHEED MARTIN	90.11	4.60	7.90%	13.5%	28,442
70	LYONDELLBASELL INDS.CLA	57.74	1.60	9.54%	12.6%	34,340

SCHEDULE 9 Continued

Calculation of Capital Asset pricing Model Cost of Equity
Using DCF Estimate of the Expected Rate of Return
on the Market Portfolio

Line	Company	P ₀	D ₀	Growth	Model Result	Market Cap \$ (mils)
71	M&T BANK	101.43	2.80	8.10%	11.1%	13,215
72	MARATHON PETROLEUM	69.20	1.40	8.90%	11.1%	28,175
73	MARSH & MCLENNAN	35.22	0.92	11.68%	14.6%	20,421
74	MATTEL	37.58	1.44	10.03%	14.3%	13,953
75	MCDONALDS	91.94	3.08	8.89%	12.6%	95,947
76	MEAD JOHNSON NUTRITION	71.82	1.36	10.80%	12.9%	15,244
77	MICROSOFT	27.30	0.92	8.38%	12.1%	234,116
78	MONSANTO	97.32	1.50	11.08%	12.8%	54,471
79	MURPHY OIL	60.39	1.25	12.30%	14.6%	11,516
80	NABORS INDS.	15.58	0.16	10.93%	12.1%	4,788
81	NASDAQ OMX GROUP	27.37	0.52	10.25%	12.4%	5,232
82	NIKE 'B'	52.97	0.84	10.37%	12.1%	39,543
83	NOBLE ENERGY	105.56	1.00	12.23%	13.3%	19,666
84	NORDSTROM	53.90	1.20	11.39%	13.9%	10,819
85	NORFOLK SOUTHERN	66.35	2.00	10.45%	13.8%	23,196
86	NUCOR	44.78	1.47	7.88%	11.5%	14,095
87	NVIDIA	12.42	0.30	10.60%	13.3%	7,942
88	OMNICOM GP.	52.77	1.60	9.03%	12.4%	14,963
89	ORACLE	34.31	0.24	11.97%	12.8%	163,949
90	PATTERSON COMPANIES	35.24	0.56	12.00%	13.8%	3,960
91	PERKINELMER	33.08	0.28	11.95%	12.9%	3,942
92	PERRIGO	106.81	0.36	11.72%	12.1%	10,624
93	PRAXAIR	110.38	2.40	12.07%	14.5%	33,620
94	PREC.CASTPARTS	186.40	0.12	14.40%	14.5%	27,212
95	PRINCIPAL FINL.GP.	29.69	0.92	11.07%	14.6%	9,257
96	PROCTER & GAMBLE	72.39	2.25	7.93%	11.3%	208,944
97	QUEST DIAGNOSTICS	58.51	1.20	10.82%	13.1%	8,881
98	RALPH LAUREN CL.A	160.63	1.60	13.13%	14.3%	10,596
99	REYNOLDS AMERICAN	43.28	2.36	7.30%	13.3%	23,976
100	ROCKWELL AUTOMATION	86.10	1.88	10.62%	13.1%	12,482
101	ROCKWELL COLLINS	58.89	1.20	9.65%	11.9%	8,198
102	ROSS STORES	57.05	0.68	12.80%	14.2%	12,927
103	SEALED AIR	18.80	0.52	9.77%	12.8%	4,353
104	ST.JUDE MEDICAL	38.58	1.00	9.41%	12.3%	11,711
105	STRYKER	59.32	1.06	8.85%	10.8%	24,695
106	TARGET	61.05	1.44	11.53%	14.2%	41,735
107	TE CONNECTIVITY	38.30	0.84	10.14%	12.6%	16,907
108	TESORO	46.43	0.80	12.79%	14.7%	8,010
109	THE HERSHEY COMPANY	76.71	1.68	9.40%	11.8%	13,641
110	THERMO FISHER SCIENTIFIC	68.71	0.60	11.42%	12.4%	26,743
111	TIFFANY & CO	61.37	1.28	10.15%	12.5%	8,752
112	TJX COS.	43.80	0.46	12.03%	13.2%	32,802
113	TOTAL SYSTEM SERVICES	22.43	0.40	10.32%	12.3%	4,441
114	TRAVELERS COS.	76.09	1.84	10.05%	12.7%	30,497
115	UNITED PARCEL SER.'B'	78.30	2.48	9.90%	13.4%	60,525
116	UNITEDHEALTH GP.	54.65	0.85	10.94%	12.7%	54,854
117	US BANCORP	32.90	0.78	9.69%	12.3%	63,374
118	V F	152.90	3.48	11.67%	14.2%	17,713
119	VALERO ENERGY	39.21	0.80	10.16%	12.4%	25,783
120	VERIZON COMMUNICATIONS	44.12	2.06	6.33%	11.4%	133,538
121	WAL MART STORES	69.72	1.88	8.88%	11.8%	239,987
122	WALT DISNEY	52.34	0.75	11.24%	12.8%	99,895
123	WELLS FARGO & CO	34.66	1.00	9.33%	12.5%	186,536
124	WYNN RESORTS	117.73	4.00	10.90%	14.7%	11,758
125	XILINX	36.55	0.88	8.53%	11.2%	9,586
126	YUM! BRANDS	65.20	1.34	11.70%	14.0%	29,392
127	Market-weighted Average				12.4%	
128	UNUM GROUP	20.34	0.52	8.13%	10.9%	6,022
129	US BANCORP	32.89	0.78	9.15%	11.8%	62,467
130	V F	157.63	3.48	10.50%	13.0%	16,943
131	WAL MART STORES	72.35	1.59	9.20%	11.6%	231,022
132	WALT DISNEY	49.85	0.75	11.41%	13.1%	92,487
133	WASTE MAN.	32.63	1.42	5.87%	10.6%	15,810
134	WELLS FARGO & CO	33.85	0.88	8.62%	11.5%	183,934
135	WESTERN UNION	13.77	0.50	9.31%	13.3%	8,364
136	WYNN RESORTS	113.61	2.00	10.16%	12.1%	12,183
137	XILINX	34.00	0.88	8.90%	11.7%	9,524
138	XL GROUP	24.59	0.44	8.75%	10.7%	7,819
139	ZIMMER HDG.	66.01	0.72	9.34%	10.5%	11,975
140	Market-weighted Average				12.4%	

Schedule 9

EXHIBIT (JVW-1)

Schedule 9

Comparison of Risk Premia on
S&P500 and S&P Utilities 1937-2012

Year	S&P Utilities Stock Return	SP500 Stock Return	10-Yr. Treasury Bond Yield	Utilities Risk Premium	Market Risk Premium
2011	0.1999	0.0325	0.0278	0.1721	0.0047
2010	0.0704	0.1618	0.0322	0.0382	0.1296
2009	0.1071	0.3291	0.0326	0.0745	0.2965
2008	-0.2590	-0.3516	0.0367	-0.2957	-0.3883
2007	0.1656	-0.0138	0.0463	0.1193	-0.0601
2006	0.2076	0.1320	0.0479	0.1597	0.0841
2005	0.1605	0.1001	0.0429	0.1176	0.0572
2004	0.2284	0.0594	0.0427	0.1857	0.0167
2003	0.2348	0.2822	0.0401	0.1947	0.2421
2002	-0.1473	-0.2005	0.0461	-0.1934	-0.2466
2001	-0.1790	-0.1347	0.0502	-0.2292	-0.1849
2000	0.3278	-0.0513	0.0603	0.2675	-0.1116
1999	-0.0172	0.1546	0.0564	-0.0736	0.0982
1998	0.1547	0.3125	0.0526	0.1021	0.2599
1997	0.1858	0.2768	0.0635	0.1223	0.2133
1996	0.0383	0.2702	0.0644	-0.0261	0.2058
1995	0.3749	0.3493	0.0658	0.3091	0.2835
1994	-0.0383	0.0105	0.0708	-0.1091	-0.0603
1993	0.1095	0.1156	0.0587	0.0508	0.0569
1992	0.1246	0.0750	0.0701	0.0545	0.0049
1991	0.1425	0.3165	0.0786	0.0639	0.2379
1990	0.0033	-0.0085	0.0855	-0.0822	-0.0940
1989	0.3468	0.2276	0.0850	0.2618	0.1426
1988	0.1480	0.1761	0.0884	0.0596	0.0877
1987	-0.0574	-0.0213	0.0838	-0.1412	-0.1051
1986	0.3787	0.3095	0.0768	0.3019	0.2327
1985	0.3000	0.2583	0.1062	0.1938	0.1521
1984	0.1995	0.0741	0.1244	0.0751	-0.0503
1983	0.2016	0.2012	0.1110	0.0906	0.0902
1982	0.3020	0.2896	0.1300	0.1720	0.1596
1981	0.0940	-0.0700	0.1391	-0.0451	-0.2091
1980	0.1301	0.2534	0.1146	0.0155	0.1388
1979	0.0879	0.1652	0.0944	-0.0065	0.0708
1978	0.0396	0.1580	0.0841	-0.0445	0.0739
1977	0.0416	-0.0906	0.0742	-0.0326	-0.1648
1976	0.2270	0.1096	0.0761	0.1509	0.0335
1975	0.3224	0.3956	0.0799	0.2425	0.3057
1974	-0.1429	-0.2086	0.0756	-0.2185	-0.2842
1973	-0.1345	-0.1614	0.0684	-0.2029	-0.2298
1972	0.0512	0.1758	0.0621	-0.0109	0.1137
1971	-0.0007	0.1381	0.0616	-0.0623	0.0765
1970	0.1945	0.0708	0.0735	0.1210	-0.0027
1969	-0.1438	-0.0840	0.0667	-0.2105	-0.1507
1968	0.0528	0.1045	0.0565	-0.0097	0.0480
1967	0.0022	0.1605	0.0507	-0.0485	0.1098
1966	-0.0172	-0.0648	0.0492	-0.0664	-0.1140
1965	0.0134	0.1135	0.0428	-0.0294	0.0707
1964	0.1611	0.1570	0.0419	0.1192	0.1151
1963	0.0947	0.2082	0.0400	0.0547	0.1682
1962	0.0425	-0.0284	0.0395	0.0030	-0.0679
1961	0.2247	0.1894	0.0388	0.1859	0.1506
1960	0.2252	0.0618	0.0412	0.1840	0.0206
1959	0.0500	0.0757	0.0433	0.0067	0.0324
1958	0.3688	0.3974	0.0332	0.3356	0.3642
1957	0.0790	-0.0518	0.0365	0.0425	-0.0883
1956	0.0716	0.0714	0.0318	0.0398	0.0396
1955	0.1016	0.2840	0.0282	0.0734	0.2558
1954	0.2237	0.4552	0.0240	0.1997	0.4312
1953	0.0962	0.0270	0.0281	0.0681	-0.0011
1952	0.1536	0.1405	0.0248	0.1288	0.1157
1951	0.1710	0.2039	0.0241	0.1469	0.1798
1950	0.0460	0.3230	0.0205	0.0255	0.3025
1949	0.2783	0.1610	0.0193	0.2590	0.1417

Schedule 9

EXHIBIT_{JVV-1}
 Schedule 9
 Comparison of Risk Premia on
 S&P500 and S&P Utilities 1937 – 2012

Year	S&P Utilities Stock Return	SP500 Stock Return	10-Yr. Treasury Bond Yield	Utilities Risk Premium	Market Risk Premium
1948	0.0541	0.0928	0.0215	0.0326	0.0713
1947	-0.1041	0.0199	0.0185	-0.1226	0.0014
1946	-0.0700	-0.1203	0.0174	-0.0874	-0.1377
1945	0.5789	0.3818	0.0173	0.5616	0.3645
1944	0.2065	0.1879	0.0209	0.1856	0.1670
1943	0.3745	0.2298	0.0207	0.3538	0.2091
1942	0.1736	0.2087	0.0211	0.1525	0.1876
1941	-0.2838	-0.0898	0.0199	-0.3037	-0.1097
1940	-0.1652	-0.0965	0.0220	-0.1872	-0.1185
1939	0.1126	0.0189	0.0235	0.0891	-0.0046
1938	0.1954	0.1836	0.0255	0.1699	0.1581
1937	-0.3693	-0.3136	0.0269	-0.3962	-0.3405
Risk Premium 1937--2012				0.0521	0.0567
RP Utilities/RP SP500				0.92	

Table 3 Model Results

Cost of Equity Model Results	
Model	Model Result
Discounted Cash Flow --LDC	10.0%
Discounted Cash Flow --Water Utilities	10.8%
Ex Ante Risk Premium	11.3%
Ex Post Risk Premium	10.8%
CAPM - Historical	10.2%
CAPM - DCF Based	10.6%
Average	10.6%
Average without CAPM	10.7%