

January 10, 2007

VIA HAND DELIVERY AND ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

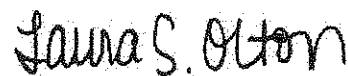
**RE: Docket 3789 – Long Range Gas Supply Plan
Responses to Division Requests of December 7, 2006**

Dear Ms. Massaro:

Enclosed please find ten (10) copies of National Grid's responses to the Division's data requests issued on December 7, 2006, in the above-captioned proceeding.

Thank you for your attention to this matter. If you have any questions, please feel free to contact me at (401) 784-7667.

Very truly yours,



Laura S. Olton


Enclosures

cc: Docket 3789 Service List

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PUBLIC UTILITIES COMMISSION

Certificate of Service

I certify that a copy of the cover letter and materials accompanying this certificate were mailed or hand-delivered to the parties listed below.


Carol A. Gilmore
National Grid

Date: January 10, 2007

Docket 3789 – National Grid – Long-Range Energy Plans
Service List as of 11/27/06

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	sfrias@puc.state.ri.us	
	tmassaro@puc.state.ri.us	

Data Request DIV 1-01

Request:

Based on what is known at this point regarding gas use by National Grid gas customers during the winter of 2005-06, please:

- a. Provide an explanation, as well as supporting analyses, to explain and document the adjustments the Company would make to its forecasts of gas demand and gas supply requirements for each GCR period starting with the 2006-07 GCR year and continuing through the winter of 2010-11 and the rationales for those adjustments.
- b. If possible, provide similar forecast data for the winter of 2011-12.

Response:

The Company believes that there is insufficient data to support modifying its long range forecast used for making supply portfolio decisions based upon recent events. The devastation and gas supply disruptions caused by hurricanes Katrina and Rita in 2005 and other international events caused significant increases to energy prices and resulted in numerous news articles and press about possible energy shortages and need for people to modify their energy consumption patterns. While gas consumption during last winter shows a reduced use per customer, past experience indicates that mild weather increases the customers' ability and likelihood to use less. Given the unusual circumstances during this past year or so, it is uncertain whether this most recent pattern of customer usage will continue or if it will return to the more historic normal pattern.

Prepared by or under the supervision of:
Peter Czekanski

Data Request DIV 1-02

Request:

Please provide the data and analyses that the Company has used to weather-normalize actual gas throughput data by rate class for the winter of 2005-06.

Response:

The data and analyses used to weather-normalize actual gas throughput data by rate class for the winter of 2005-06 was provided in response to data request DIV 1-1a in Docket No. 3766. A copy of that reply is attached here.

Prepared by or under the supervision of:
Peter Czekanski

Division Data Request 1-1

Request:

Re: Schedule PCC-1, page 12. The electronic workpapers provided show all the forecasted monthly sales and FT-2 Transportation volumes as hard inputs. Please:

- a. Provide all supporting workpapers for the development of monthly and annual forecasted sales for each rate class.
- b. Identify losses, additions or changes in rate classification for Large and Extra Large C&I customers and all documentation relied upon to support forecasted changes in sales and transportation volumes for those classes.

Response:

- a. Workpapers supporting the development of monthly and annual forecasted sales for each rate class, except the extra large, are contained in two excel files. The first file, "Forecast 2007-2008", includes a worksheet used to develop the forecasted customer count based on the general trend of month-to-month changes over the same month in each of the last three years. For example, between October and November in each of the past three years, there has been an average increase of 2,124 residential heating customers and hence, the forecast for November 2006 reflects an increase of 2,124 customers over the October customer count. For the medium, large low load and large high load categories, the sales and transportation data in each rate class was combined for purposes of developing the customer count forecast and then split into the sales / transportation subcategories based on the most recent mix of sales and transportation service. The forecasted sales volumes are calculated by multiplying the monthly forecasted customer count by the monthly average normalized use per customer. The development of the monthly average normalized use per customer is provided on the worksheets associated with the second excel file, "RI History for GCR". The second file shows the adjusting of actual historic consumption data for the effects of weather based on a ten-year normal of 5,463 degree days (5,492 in 2004 to account for the leap year). The normalized average use per customer is based on the average use per customer per month in the same month of the last two years.

Electronic copies of both excel files have been provided to Mr. Oliver via e-mail.

Prepared by or under the supervision of:
Peter Czekanski

Response to DIV 1-1 continued:

- b. Losses, additions and changes in the Large rate classification were not specifically identified by customer. The forecast for the Large rate classification was developed as described in the response to DIV 1-1a above. Specific losses, additions and changes were identified for Extra Large C&I customers on a customer-by-customer basis by the key accounts representatives assigned to the accounts. A copy of the spreadsheet with the supporting details and documentation was provided to Mr. Oliver via e-mail.

Prepared by or under the supervision of:
Peter Czekanski

Product	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	
34-313	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382

Product	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	
34-313	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382	34,382

Normal

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2	Customers and Therapist: Actual per Classified Basis																													
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Data Request DIV 1-03

Request:

Please update the data provided as DIV 1-08(a) Attachment dated September 22, 2006 in Docket No. 3755 to include degree day information for the years 1995-96 through 2005-06. Also, if monthly degree day data is available for the months of October, November, April and May, please provide such data.

Response:

Listed below is the information for the monthly degree day from October to May from 1995 to 2006:

DEGREE DAY DATA BASE								
YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
	---	---	---	---	---	---	---	---
1995-96	326	721	1082	1116	1018	921	494	265
1996-97	245	743	814	1098	794	836	529	289
1997-98	389	715	948	915	776	738	451	149
1998-99	410	636	816	1072	837	773	441	172
1999-00	329	519	866	1148	892	659	524	219
2000-01	384	642	1116	1113	922	883	473	193
2001-02	355	515	790	918	819	762	424	268
2002-03	334	659	984	1231	1080	818	580	297
2003-04	392	549	894	1345	921	796	457	197
2004-05	403	640	943	1157	936	928	448	352
2005-06	321	567	1005	856	928	797	427	217

Prepared by or under the supervision of:
 Gary Beland

Data Request DIV 1-04

Request:

Please provide updated Long-Run Avoided Cost (LRAC) analyses comparable to those referenced in the Company's response to DIV 1-09(d) Attachment dated September 22, 2006 in Docket No. 3766 in a manner that reflects current market conditions and costs and show the development of estimates of avoided costs associated with replacement of the Company's current one in one-hundred year reliability standard with a reliability standard based on:

- a. A one in fifty (50) year standard
- b. A one in forty (40) year standard
- c. A one in thirty (30) year standard

Response:

The Company does not have an update of Long Run Avoided Costs (LRAC) available at this time. In the original 1994 Integrated Resource Plan, LRAC's were developed to facilitate the screening of a large number of both supply side and demand side options. Since that time, the Company has relied on a detailed analysis of individual supply projects and how they fit the system and the portfolio rather than utilizing the LRAC approach.

Applying this approach to evaluate reducing the design standard from a one in one hundred year standard to one in 50, 40 or 30 year standard will require additional time. Such an analysis would also involve more than just a straight evaluation of the economic value of such a reduction of the standard. As described in the supply plan in the section on Planning Portfolio Strategy (pages 15 to 20), the Company chose to add the Tennessee capacity for four reasons. One, because it was the best option available to address the problem of high daily prices in the region during severe colder than normal winter weather. Two, to meet future growth needs, recognizing that if growth is not as predicted, other, more expensive, capacity could be terminated or released. Three, the upward trend in New England basis will enable the Company to recover a significant amount of the fixed costs of carrying this capacity as part of its normal process of attempting to maximize the value of its portfolio. Four, the future of the various LNG and other projects proposed to serve New England is not clear. Delays and obstructions have been experienced in every project and it is unclear when they will be completed, if at all. The closing sentence in the section is the conclusion that "the Company's portfolio strategy is designed to mitigate that risk (i.e., the risk of extremely high daily prices which will persist if projects aren't completed) at a nominal cost."

Prepared by or under the supervision of:
Gary Beland

Data Request DIV 1-05

Request:

Please provide a discussion of the Company's perceived impacts of "global warming" and/or downward trends in degree days over time on:

- a. Design day temperatures and degree days
- b. Design winter temperatures and degree days
- c. Expected gas supply requirements during a "cold snap."

Response:

The impact of "global warming" is unclear at this time. There is insufficient scientific consensus on the affects of "global warming" upon which to base forecasts particularly over the time frame encompassed by the long term plan. As indicated in response to DIV 1-03, the recent winter of 2002-03 was the coldest in the past 11 seasons. While there have been a number of significantly warmer than normal winters in the Northeast over the past decade, we have experienced individual months at close to record cold conditions and on January 15, 2004 we experienced a gas day of 64 degree days with a wind speed significantly above average causing sendout to be just below that predicted under design conditions of 68 degree days.

Prepared by or under the supervision of:
Gary Beland

Data Request DIV 1-06

Request:

Please identify the capacity release revenue that the Company's gas supply modeling analyses assessed would flow to the Company by year for each year addressed in the Long-Range Gas Supply Plan for the years 2002-03 through 2007-08 that was filed on January 30, 2004 in the development of that plan.

- a. Under normal weather conditions
- b. Under design winter weather conditions

Response:

The Gas Supply Plan makes no assumptions about capacity release value in the 2002-03 through 2007-08 Long Range Gas Supply Plan under either normal or design weather conditions. The economic evaluation of the portfolio is based on modeling the least cost dispatch of the portfolio to meet system demands using the SENDOUT model and assumed zero value for capacity when it was not dispatched.

Prepared by or under the supervision of:
Gary Beland

Data Request DIV 1-07

Request:

Please provide sensitivity analyses which demonstrate that the gas supply plan included in the Company's August 22, 2006 Long-Range Gas Supply Plan for the years 2006-07 through 2010-11 in fact produce "the least-cost use of available resources to meet the forecasted sendout requirements."

Response:

The Company did not perform any sensitivity analyses. The phrase "the least-cost use of available resources..." is from the description of the SENDOUT modeling software. The SENDOUT model is a linear programming (LP) model that relies on a classical "transportation model" to minimize the total expected cost function within the constraints incorporated in the modeled portfolio. The model looks at the delivered cost of each supply and any limitations on that supply to mathematically determine the least cost solution. It may run thousands and thousands of iterations trying to identify the least-cost dispatch of the resources within the portfolio. In addition, the model will take into account any contractual requirements such as "must turn" provisions of storage contracts, monthly or seasonal limits on storage or transportation contracts, limitations on the ability to restock LNG and so on.

Prepared by or under the supervision of:
Gary Beland

Data Request DIV 1-08

Request:

For the Company's August 22, 2006 Long-Range Gas Supply Plan, please all assumptions used regarding natural gas commodity prices in future periods, as well as fixed and variable costs associated with pipeline, storage, and other capacity resources that would be available in each year of the period included in the Company's development of that plan.

Response:

For commodity pricing, the June 7, 2006 NYMEX closing prices, for the 60 month period of November 2006 through October 2011, were used to estimate the city gate delivered cost of each pipeline supply in the portfolio. The NYMEX price was then adjusted by the specific basis for each supply area. For example, if the NYMEX closing price for November was \$7.50 and the area basis for Texas Eastern South Texas was \$-.50 then the commodity price used was \$7.00. The basis was calculated by using a three-year average of the month closing price of each supply area as published by Platts "Inside FERC Gas Market Report" compared to the same three-year average of the NYMEX Monthly close to arrive at the basis. To turn this price into a City Gate price, the filed interstate tariff variable delivery cost and fuel reduction are added.

Fixed costs were estimated using the current filed interstate Pipeline tariffs for both supply and storage. LNG fixed costs are per Distrigas's contract rate. Rates were held constant for the length of the study. The current supply portfolio was assumed to be maintained, except for the addition of the new Tennessee transportation in November 2007 discussed in the Plan.

A table of the fixed and variable costs assumed is attached.

Prepared by or under the supervision of:
Gary Beland

UNIT RATES (\$/Dth)	NOV	DEC	JAN-07	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
STORAGE DELIVERY FIXED	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
PATH	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
ALGONQUIN FOR TETCO SS-1	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
ALGONQUIN DELIVERY FOR FSS-1	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
TETCO DELIVERY FOR FSS-1	\$5.170	\$5.170	\$5.170	\$5.170	\$5.170	\$5.170	\$5.170	\$5.170	\$5.170	\$5.170	\$5.170	\$5.170
ALGONQUIN SCT FOR SS-1	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909
ALGONQUIN DELIVERY FOR GSS, GSS-TE,	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
ALGONQUIN DELIVERY FOR GSS-TE	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909
ALGONQUIN DELIVERY FOR GSS CONV.	\$9.785	\$9.785	\$9.785	\$9.785	\$9.785	\$9.785	\$9.785	\$9.785	\$9.785	\$9.785	\$9.785	\$9.785
ALGONQUIN DELIVERY FOR GSS	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900
TENNESSEE DELIVERY FOR GSS	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900
TENNESSEE DELIVERY FOR FSSA	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900
TETCO DELIVERY FOR GSS-TE	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500
TETCO DELIVERY FOR GSS	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576
TETCO DELIVERY FOR GSS CONV.	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864
DOMINION DELIVERY FOR GSS	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179
DOMINION DELIVERY FOR GSS CONV.	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230
ALGONQUIN DELIVERY FOR FSS	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230	\$4.4230
COLUMBIA DELIVERY FOR FSS	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
DISTRIBAS FLS CALL PAYMENT	\$5.771	\$5.771	\$5.771	\$5.771	\$5.771	\$5.771	\$5.771	\$5.771	\$5.771	\$5.771	\$5.771	\$5.771

PIPELINE FIXED COST BILLING UNITS	NOV	DEC	JAN-07	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
ALGONQUIN AFT-EAFT-1 DEMAND	88,663	88,663	88,663	88,663	88,663	88,663	88,663	88,663	88,663	88,663	88,663	88,663
ALGONQUIN AFT-3 DEMAND	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
ALGONQUIN AFT-ES/IS DEMAND	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757
TEXAS EASTERN STA CDS DEMAND Z3	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844
TEXAS EASTERN ELA CDS DEMAND Z3	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716
TEXAS EASTERN ETX CDS DEMAND Z3	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758
TETCO M4 TO M3 DEMAND Z3	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995
TEXAS EASTERN FT5 DEMAND	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934
TETCO SCT STX DEMAND	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435
TETCO SCT WLA DEMAND	571	571	571	571	571	571	571	571	571	571	571	571
TETCO SCT ELA DEMAND	648	648	648	648	648	648	648	648	648	648	648	648
TETCO SCT ETX DEMAND	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183
TETCO SCT ETX DEMAND 1-3	329	329	329	329	329	329	329	329	329	329	329	329
TETCO SCT STX DEMAND Z2	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089
TETCO SCT WLA DEMAND Z2	401	401	401	401	401	401	401	401	401	401	401	401
TETCO SCT ELA DEMAND Z2	831	831	831	831	831	831	831	831	831	831	831	831
TETCO SCT ETX DEMAND Z2	455	455	455	455	455	455	455	455	455	455	455	455
TETCO SCT DEMAND 1-2	231	231	231	231	231	231	231	231	231	231	231	231
TENNESSEE FT-A DEMAND ZONE 0 TO 6	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474
TENNESSEE FT-A DEMAND ZONE 1 TO 6	9,432	9,432	9,432	9,432	9,432	9,432	9,432	9,432	9,432	9,432	9,432	9,432
TENNESSEE DRACUT	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903
TENNESSEE FT-A DEMAND ZONE 5 TO 6	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
NETNE	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067
ROOLJOIS	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
DOMINION FTNN DEMAND	1,012	1,012	1,012	1,012	1,012	1,012	1,012	1,012	1,012	1,012	1,012	1,012
TRANSOCO DEMAND ZONE 2 TO 6	537	537	537	537	537	537	537	537	537	537	537	537
TRANSOCO DEMAND ZONE 3 TO 6	138	138	138	138	138	138	138	138	138	138	138	138
NATIONAL FUEL DEMAND	3	3	3	3	3	3	3	3	3	3	3	3
COLUMBIA FT5 DEMAND	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240	1,240
HUBLINE	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177
HUBLINE	47,455	47,455	47,455	47,455	47,455	47,455	47,455	47,455	47,455	47,455	47,455	47,455
SUPPLIER FIXED COST BILLING UNITS	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
DISTRIBAS FCS	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
BP	450,000	465,000	465,000	422,000	465,000	450,000	465,000	450,000	465,000	465,000	450,000	465,000

	NOV	DEC	JAN-07	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
STORAGE FIXED COST BILLING UNITS												
TEXAS EASTERN SS-1 DEMAND	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802
TEXAS EASTERN SS-1 CAPACITY	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336
TEXAS EASTERN FSS-1 DEMAND	944	944	944	944	944	944	944	944	944	944	944	944
TEXAS EASTERN FSS-1 CAPACITY	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720
DOMINION GSS DEMAND	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403
DOMINION GSS CAPACITY	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304
DOMINION GSS-TE DEMAND	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337
DOMINION GSS-TE CAPACITY	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324
TENNESSEE FSMA DEMAND	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169
TENNESSEE FSMA CAPACITY	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343
COLUMBIA FSS DEMAND	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545
COLUMBIA FSS CAPACITY	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957

	NOV	DEC	JAN-07	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
STORAGE DELIVERY BILLING UNITS (DTH)												
ALGONQUIN FOR TETCO SS-1	13,976	13,976	13,976	13,976	13,976	13,976	13,976	13,976	13,976	13,976	13,976	13,976
ALGONQUIN DELIVERY FOR FSS-1	933	933	933	933	933	933	933	933	933	933	933	933
TETCO DELIVERY FOR FSS-1	944	944	944	944	944	944	944	944	944	944	944	944
ALGONQUIN SCT FOR SS-1	657	657	657	657	657	657	657	657	657	657	657	657
ALGONQUIN DELIVERY FOR GSS, GSS-TE	10,915	10,915	10,915	10,915	10,915	10,915	10,915	10,915	10,915	10,915	10,915	10,915
ALGONQUIN DELIVERY FOR GSS CONV	187	187	187	187	187	187	187	187	187	187	187	187
TENNESSEE DELIVERY FOR GSS	2,038	2,038	2,038	2,038	2,038	2,038	2,038	2,038	2,038	2,038	2,038	2,038
TENNESSEE DELIVERY FOR FSMA	6,581	6,581	6,581	6,581	6,581	6,581	6,581	6,581	6,581	6,581	6,581	6,581
TETCO DELIVERY FOR GSS	4,255	4,255	4,255	4,255	4,255	4,255	4,255	4,255	4,255	4,255	4,255	4,255
TETCO DELIVERY FOR GSS-TE	5,479	5,479	5,479	5,479	5,479	5,479	5,479	5,479	5,479	5,479	5,479	5,479
TETCO DELIVERY FOR GSS CONV	538	538	538	538	538	538	538	538	538	538	538	538
TETCO DELIVERY FOR GSS-TE	5,011	5,011	5,011	5,011	5,011	5,011	5,011	5,011	5,011	5,011	5,011	5,011
DOMINION DELIVERY FOR GSS	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061
DOMINION DELIVERY FOR GSS CONV	5,342	5,342	5,342	5,342	5,342	5,342	5,342	5,342	5,342	5,342	5,342	5,342
COLUMBIA DELIVERY FOR FSS	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2,061
ALGONQUIN DELIVERY FOR FSS	2,516	2,516	2,516	2,516	2,516	2,516	2,516	2,516	2,516	2,516	2,516	2,516
DISTRIGAS FLS CALL-PAYMENT	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545

TOTAL COST

	NOV-06	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NYMEX strip (06/07/06)	8.329	9.599	10.209	10.229	10.034	8.104	7.939	8.037	8.161	8.256	8.369	8.539
TENNESSEE ZN 0												
Basis	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)
usage	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624
fuel	8.71%	8.71%	8.71%	8.71%	8.71%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%
Total Delivered	\$8.727	\$10.119	\$10.787	\$10.809	\$10.595	\$8.365	\$8.187	\$8.293	\$8.427	\$8.529	\$8.651	\$8.835
TENNESSEE ZN 1												
Basis	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)
usage to Zn 6	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519
fuel to Zn 6	7.82%	7.82%	7.82%	7.82%	7.82%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
Total Delivered	\$9.101	\$10.478	\$11.140	\$11.162	\$10.950	\$8.749	\$8.573	\$8.678	\$8.810	\$8.912	\$9.033	\$9.215
TENNESSEE ZN 0 New												
Basis	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)
Usage (aca)	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016
Total Delivered	\$7.821	\$9.091	\$9.701	\$9.721	\$9.526	\$7.596	\$7.431	\$7.529	\$7.653	\$7.748	\$7.861	\$8.031
TENNESSEE DRACUT												
Basis	\$1.310	\$1.310	\$1.310	\$1.310	\$1.310	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470
usage	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658
fuel	0.89%	0.89%	0.89%	0.89%	0.89%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%
Total Delivered	\$9.791	\$11.073	\$11.688	\$11.708	\$11.512	\$8.713	\$8.547	\$8.646	\$8.771	\$8.867	\$8.981	\$9.152
TETCO STX												
Basis	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)
Usage to M3	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.87%	11.18%	11.18%	11.18%	11.18%	8.87%	8.87%	8.87%	8.87%	8.87%	8.87%	8.87%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.646	\$10.374	\$11.070	\$11.093	\$10.870	\$8.398	\$8.216	\$8.324	\$8.461	\$8.566	\$8.690	\$8.878
TETCO WLA												
Basis	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)
Usage to M3	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.20%	10.22%	10.22%	10.22%	10.22%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.116	\$10.812	\$11.501	\$11.523	\$11.303	\$8.870	\$8.689	\$8.796	\$8.932	\$9.036	\$9.160	\$9.346

TETCO ELA

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.129	\$11.489	\$11.511	\$11.292	\$8.883	\$8.703	\$8.810	\$8.946	\$9.049	\$9.173	\$9.359	\$9.359

TETCO ETX

Basis	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	1.27%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.670	\$11.017	\$11.040	\$10.821	\$8.424	\$8.244	\$8.351	\$8.487	\$8.591	\$8.714	\$8.900	\$8.900

TETCO TO NF

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on NF	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M2	6.96%	8.41%	8.41%	8.41%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Fuel on NF	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to NF	\$9.201	\$11.394	\$11.416	\$11.203	\$8.959	\$8.781	\$8.887	\$9.020	\$9.122	\$9.244	\$9.426	\$9.426
Delivered to Transco	\$9.397	\$11.635	\$11.658	\$11.440	\$9.150	\$8.969	\$9.077	\$9.213	\$9.317	\$9.441	\$9.627	\$9.627
Delivered to Algonquin	\$9.477	\$11.733	\$11.755	\$11.536	\$9.228	\$9.046	\$9.154	\$9.291	\$9.396	\$9.521	\$9.709	\$9.709
Total Delivered	\$9.550	\$11.897	\$11.920	\$11.698	\$9.300	\$9.116	\$9.225	\$9.363	\$9.469	\$9.595	\$9.784	\$9.784

M3 DELIVERED

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.723	\$11.690	\$11.711	\$11.513	\$8.703	\$8.537	\$8.636	\$8.761	\$8.856	\$8.970	\$9.141	\$9.141

MAUMEE SUPPLY

Basis	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.984	\$10.986	\$11.007	\$10.805	\$8.753	\$8.584	\$8.685	\$8.812	\$8.910	\$9.026	\$9.200	\$9.200

BROADRUN COLUMBIA

Basis	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.984	\$10.986	\$11.007	\$10.805	\$8.753	\$8.584	\$8.685	\$8.812	\$8.910	\$9.026	\$9.171	\$9.346	\$9.532

COLUMBIA TETCO

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.940	\$11.317	\$11.968	\$11.765	\$8.899	\$8.729	\$8.830	\$8.957	\$9.055	\$9.171	\$9.346	\$9.532	\$9.718

COLUMBIA TRANSCO

Basis	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.755	\$11.131	\$11.782	\$11.580	\$8.866	\$8.697	\$8.798	\$8.925	\$9.022	\$9.139	\$9.313	\$9.499	\$9.685

DOMINION TO B & W

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage on Dominion	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on Tetco	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Usage on AGT	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175
Fuel to M2	6.96%	8.41%	8.41%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Fuel on Dominion	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%
Fuel on Tetco	1.29%	1.76%	1.76%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%
Fuel on AGT	0.63%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to Dominion	\$9.201	\$10.728	\$11.416	\$11.203	\$8.959	\$8.781	\$8.887	\$9.020	\$9.122	\$9.244	\$9.426	\$9.608	\$9.790
Delivered to Tetco	\$9.492	\$11.067	\$11.754	\$11.557	\$9.242	\$9.060	\$9.168	\$9.306	\$9.411	\$9.536	\$9.725	\$9.914	\$10.102
Delivered to Algonquin	\$9.618	\$11.267	\$11.990	\$11.765	\$9.365	\$9.180	\$9.290	\$9.429	\$9.536	\$9.663	\$9.854	\$10.042	\$10.230
Total Delivered	\$9.896	\$11.630	\$12.361	\$12.135	\$9.642	\$9.455	\$9.566	\$9.706	\$9.814	\$9.941	\$10.134	\$10.326	\$10.518

TRANSCO AT WHARTON

Basis	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.623	\$10.982	\$11.625	\$11.426	\$8.746	\$8.578	\$8.678	\$8.803	\$8.900	\$9.014	\$9.187	\$9.360	\$9.532

Total delivered to the City Gas Gas Supply Costs

	NOV-06	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
Tenn Zn 0	8.7274	10.1186	10.7868	10.8087	10.5951	8.3650	8.1868	8.2927	8.4266	8.5292	8.6513	8.8349
Tenn Zn 1	9.1007	10.4784	11.1402	11.1619	10.9503	8.7493	8.5726	8.6776	8.8104	8.9122	9.0333	9.2154
Tenn ZN0 new	7.8206	9.0906	9.7006	9.7206	9.5256	7.5956	7.4306	7.5286	7.6526	7.7476	7.8606	8.0306
Dracut	9.7914	11.0728	11.6882	11.7084	11.5117	8.7133	8.5469	8.6457	8.7708	8.8666	8.9806	9.1520
STX	8.6462	10.3744	11.0701	11.0929	10.8705	8.3978	8.2156	8.3238	8.4607	8.5656	8.6904	8.8781
ELA	9.1293	10.8040	11.4889	11.5114	11.2925	8.8834	8.7031	8.8102	8.9457	9.0495	9.1730	9.3587
WLA	9.1162	10.8125	11.5007	11.5232	11.3032	8.8695	8.6887	8.7961	8.9320	9.0362	9.1600	9.3464
ETX	8.6703	10.3325	11.0174	11.0398	10.8209	8.4244	8.2441	8.3512	8.4867	8.5905	8.7140	8.8998
Tetco NF	9.5500	11.2031	11.8969	11.9197	11.6979	9.2997	9.1161	9.2252	9.3631	9.4688	9.5945	9.7836
Hubline	9.7131	11.0623	11.6802	11.7004	11.5029	8.6414	8.4753	8.5739	8.6987	8.7943	8.9080	9.0791
M3 Delivered	9.7232	11.0725	11.6903	11.7106	11.5131	8.7033	8.5373	8.6359	8.7607	8.8563	8.9700	9.1411
Maumee	8.9845	10.3553	10.9858	11.0065	10.8050	8.7534	8.5840	8.6846	8.8120	8.9095	9.0256	9.2002
Broadrun	8.9845	10.3553	10.9858	11.0065	10.8050	8.7534	8.5840	8.6846	8.8120	8.9095	9.0256	9.2002
Col-TET	9.9396	11.3166	11.9471	11.9678	11.7662	8.8988	8.7294	8.8300	8.9574	9.0549	9.1710	9.3455
Col-Transco	9.7547	11.1305	11.7610	11.7817	11.5802	8.8664	8.6969	8.7976	8.9249	9.0225	9.1385	9.3131
Tran Wharton	9.6229	10.9818	11.6046	11.6250	11.4259	8.7455	8.5782	8.6776	8.8033	8.8997	9.0143	9.1868
Tet B&W	9.5688	11.2452	11.9301	11.9525	11.7336	9.3230	9.1426	9.2497	9.3852	9.4891	9.6125	9.7983
Dominion to Tetco FTS	9.8739	11.2946	11.9235	11.9441	11.7431	8.8407	8.6725	8.7724	8.8989	8.9957	9.1109	9.2842
Tet Dom B&W	9.2006	10.7281	11.3941	11.4160	11.2031	8.9588	8.7814	8.8668	9.0201	9.1222	9.2436	9.4263
ANE Waddington	8.8203	10.1174	10.7404	10.7609	10.5617	8.5704	8.4023	8.5021	8.6285	8.7253	8.8404	9.0136
Niagara	8.9665	10.2636	10.8866	10.9071	10.7073	8.5973	8.4292	8.5291	8.6554	8.7522	8.8674	9.0406
Newport LNG	9.5290	10.7990	11.4090	11.4290	11.2340	9.1040	8.9390	9.0370	9.1610	9.2560	9.3690	9.5390
Propane Refill	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000
Distri FCS Vap	8.3290	9.5990	10.2090	10.2290	10.0340	8.1040	7.9390	8.0370	8.1610	8.2560	8.3690	8.5390
Distri FCS Liq	9.5290	10.7990	11.4090	11.4290	11.2340	9.1040	8.9390	9.0370	9.1610	9.2560	9.3690	9.5390
Distri FLS	9.5290	10.7990	11.4090	11.4290	11.2340	9.1040	8.9390	9.0370	9.1610	9.2560	9.3690	9.5390
Distri ILS	12.0790	13.3490	13.9590	13.9790	13.7840	11.8540	11.6890	11.7870	11.9110	12.0060	12.1190	12.2890

	NOV-07	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NYMEX strip (06/07/06)	9.279	9.999	10.494	10.509	10.254	7.599	7.379	7.479	7.579	7.679	7.801	7.966

TENNESSEE ZN 0

Basis	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)
usage	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624
fuel	8.71%	8.71%	8.71%	8.71%	8.71%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%
Total Delivered	\$9.768	\$10.557	\$11.099	\$11.115	\$10.836	\$7.820	\$7.582	\$7.690	\$7.798	\$7.906	\$8.038	\$8.216

TENNESSEE ZN 1

Basis	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)
usage to Zn 6	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519
fuel to Zn 6	7.82%	7.82%	7.82%	7.82%	7.82%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
Total Delivered	\$10.131	\$10.912	\$11.449	\$11.466	\$11.189	\$8.208	\$7.973	\$8.080	\$8.187	\$8.294	\$8.425	\$8.601

TENNESSEE ZN 0 New

Basis	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)
Usage (aca)	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016
Total Delivered	\$8.771	\$9.491	\$9.986	\$10.001	\$9.746	\$7.091	\$6.871	\$6.971	\$7.071	\$7.171	\$7.293	\$7.458

TENNESSEE DRACUT

Basis	\$1.310	\$1.310	\$1.310	\$1.310	\$1.310	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470
usage	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658
fuel	0.89%	0.89%	0.89%	0.89%	0.89%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%
Total Delivered	\$10.750	\$11.476	\$11.976	\$11.991	\$11.734	\$8.204	\$7.982	\$8.083	\$8.184	\$8.285	\$8.408	\$8.574

TEICO STX

Basis	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)
Usage to M3	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.87%	11.18%	11.18%	11.18%	11.18%	8.87%	8.87%	8.87%	8.87%	8.87%	8.87%	8.87%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.695	\$10.831	\$11.395	\$11.412	\$11.121	\$7.840	\$7.597	\$7.708	\$7.818	\$7.928	\$8.063	\$8.245

TETCO WLA

Basis	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)
Usage to M3	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.20%	10.22%	10.22%	10.22%	10.22%	10.22%	10.22%	10.22%	8.20%	8.20%	8.20%	8.20%	8.20%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.158	\$11.264	\$11.822	\$11.839	\$11.551	\$8.316	\$8.075	\$8.184	\$8.294	\$8.404	\$8.537	\$8.718	\$8.718

TETCO ELA

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.167	\$11.253	\$11.809	\$11.826	\$11.539	\$8.332	\$8.091	\$8.200	\$8.310	\$8.419	\$8.552	\$8.733	\$8.733

TETCO ETX

Basis	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.708	\$10.782	\$11.337	\$11.354	\$11.068	\$7.873	\$7.632	\$7.741	\$7.851	\$7.960	\$8.093	\$8.274	\$8.274

TETCO TO NF

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on NF	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M2	6.96%	8.41%	8.41%	8.41%	8.41%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Fuel on NF	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to NF	\$10.222	\$11.165	\$11.705	\$11.722	\$11.443	\$8.416	\$8.180	\$8.287	\$8.395	\$8.502	\$8.633	\$8.810	\$8.810
Delivered to Transco	\$10.439	\$11.401	\$11.953	\$11.970	\$11.685	\$8.596	\$8.355	\$8.465	\$8.575	\$8.684	\$8.818	\$8.999	\$8.999
Delivered to Algonquin	\$10.527	\$11.497	\$12.053	\$12.070	\$11.784	\$8.670	\$8.427	\$8.537	\$8.648	\$8.758	\$8.893	\$9.076	\$9.076
Total Delivered	\$10.607	\$11.658	\$12.221	\$12.238	\$11.948	\$8.738	\$8.493	\$8.604	\$8.716	\$8.827	\$8.963	\$9.146	\$9.146

M3 DELIVERED

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.679	\$11.478	\$11.979	\$11.994	\$11.736	\$11.736	\$11.736	\$11.736	\$11.736	\$11.736	\$8.195	\$7.974	\$8.074	\$8.175	\$8.276	\$8.398	\$8.398	\$8.398	\$8.564

MAUMEE SUPPLY

Basis	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.960	\$10.769	\$11.280	\$11.296	\$11.032	\$11.032	\$11.032	\$11.032	\$11.032	\$11.032	\$8.235	\$8.009	\$8.112	\$8.214	\$8.317	\$8.442	\$8.442	\$8.442	\$8.612

BROADRUN COLUMBIA

Basis	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.960	\$10.769	\$11.280	\$11.296	\$11.032	\$11.032	\$11.032	\$11.032	\$11.032	\$11.032	\$8.235	\$8.009	\$8.112	\$8.214	\$8.317	\$8.442	\$8.442	\$8.442	\$8.612

COLUMBIA TETCO

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.915	\$11.730	\$12.242	\$12.257	\$11.994	\$8.380	\$8.154	\$8.257	\$8.360	\$8.462	\$8.588	\$8.757	\$8.757

COLUMBIA TRANSCO

Basis	\$1.14	\$1.14	\$1.14	\$1.14	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.730	\$11.544	\$12.056	\$12.071	\$11.808	\$8.348	\$8.122	\$8.225	\$8.327	\$8.430	\$8.555	\$8.725	\$8.725

DOMINION TO B & W

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage on Dominion	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on Tetco	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Usage on AGT	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175
Fuel to M2	6.96%	8.41%	8.41%	8.41%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Fuel on Dominion	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%
Fuel on Tetco	1.29%	1.76%	1.76%	1.76%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to Dominion	\$10.222	\$11.165	\$11.705	\$11.722	\$11.443	\$8.416	\$8.180	\$8.287	\$8.395	\$8.502	\$8.633	\$8.810	\$8.810
Delivered to Tetco	\$10.545	\$11.518	\$12.075	\$12.092	\$11.805	\$8.683	\$8.439	\$8.550	\$8.660	\$8.771	\$8.907	\$9.089	\$9.089
Delivered to Algonquin	\$10.685	\$11.726	\$12.293	\$12.311	\$12.018	\$8.798	\$8.551	\$8.663	\$8.775	\$8.888	\$9.025	\$9.210	\$9.210
Total Delivered	\$10.970	\$12.094	\$12.669	\$12.687	\$12.390	\$9.071	\$8.822	\$8.935	\$9.049	\$9.162	\$9.299	\$9.486	\$9.486

TRANSCO AT WHARTON

Basis	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$0.5000	\$0.5000	\$0.5000	\$0.5000	\$0.5000	\$0.5000	\$0.5000	\$0.5000	\$0.5000
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.587	\$11.390	\$11.896	\$11.911	\$11.651	\$8.233	\$8.010	\$8.112	\$8.213	\$8.314	\$8.438	\$8.606	\$8.606

Total delivered to the City Gas Gas Supply Costs

	NOV-07	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
Tenn Zn 0	9.7681	10.5567	11.0990	11.1154	10.8361	7.8196	7.5819	7.6899	7.7980	7.9060	8.0378	8.2160
Tenn Zn 1	10.1313	10.9124	11.4494	11.4656	11.1890	8.2083	7.9725	8.0797	8.1868	8.2940	8.4247	8.6015
Tenn ZNO new	8.7706	9.4906	9.9856	10.0006	9.7456	7.0906	6.8706	6.9706	7.0706	7.1706	7.2926	7.4576
Dracut	10.7499	11.4764	11.9758	11.9909	11.7336	8.2040	7.9821	8.0829	8.1838	8.2847	8.4077	8.5741
STX	9.6953	10.8306	11.3951	11.4122	11.1214	7.8401	7.5972	7.7076	7.8180	7.9284	8.0632	8.2454
ELA	10.1674	11.2532	11.8089	11.8258	11.5395	8.3315	8.0911	8.2004	8.3097	8.4189	8.5523	8.7326
WLA	10.1576	11.2638	11.8222	11.8391	11.5514	8.3159	8.0748	8.1844	8.2940	8.4036	8.5374	8.7183
ETX	9.7084	10.7816	11.3374	11.3542	11.0679	7.8726	7.6321	7.7414	7.8507	7.9600	8.0933	8.2736
Tetco NF	10.6069	11.6581	12.2211	12.2382	11.9481	8.7379	8.4931	8.6044	8.7156	8.8269	8.9626	9.1462
Hubline	10.6691	11.4675	11.9688	11.9840	11.7258	8.1332	7.9118	8.0124	8.1130	8.2137	8.3364	8.5025
M3 Delivered	10.6792	11.4776	11.9790	11.9942	11.7359	8.1951	7.9737	8.0744	8.1750	8.2756	8.3984	8.5644
Maumee	9.9601	10.7688	11.2804	11.2959	11.0323	8.2348	8.0089	8.1116	8.2143	8.3170	8.4423	8.6117
Broadrun	9.9601	10.7688	11.2804	11.2959	11.0323	8.2348	8.0089	8.1116	8.2143	8.3170	8.4423	8.6117
Col-TET	10.9152	11.7300	12.2417	12.2572	11.9936	8.3802	8.1543	8.2570	8.3597	8.4624	8.5877	8.7571
Col-Transco	10.7303	11.5440	12.0556	12.0711	11.8076	8.3478	8.1219	8.2246	8.3272	8.4299	8.5552	8.7247
Tran Wharton	10.5866	11.3902	11.8955	11.9109	11.6505	8.2333	8.0101	8.1116	8.2130	8.3144	8.4382	8.6055
Tet B&W	10.6070	11.6943	12.2500	12.2669	11.9806	8.7711	8.5307	8.6400	8.7492	8.8585	8.9918	9.1722
Dominion to Tetco FTS	10.8424	11.7070	12.2173	12.2328	11.9699	8.3259	8.1016	8.2036	8.3055	8.4075	8.5318	8.7001
Tet Dom B&W	10.2217	11.1648	11.7053	11.7217	11.4433	8.4160	8.1796	8.2870	8.3945	8.5020	8.6331	8.8105
ANE Waddington	9.7906	10.5260	11.0315	11.0468	10.7864	8.0558	7.8316	7.9335	8.0354	8.1373	8.2616	8.4298
Niagara	9.9368	10.6722	11.1777	11.1930	10.9326	8.0828	7.8586	7.9605	8.0624	8.1643	8.2886	8.4567
Newport LNG	10.4790	11.1990	11.6940	11.7090	11.4540	8.5990	8.3790	8.4790	8.5790	8.6790	8.8010	8.9660
Propane Refill	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000
Distri FCS Vap	9.2790	9.9990	10.4940	10.5090	10.2540	7.5990	7.3790	7.4790	7.5790	7.6790	7.8010	7.9660
Distri FCS Liq	10.2790	10.9990	11.4940	11.5090	11.2540	8.5990	8.3790	8.4790	8.5790	8.6790	8.8010	8.9660
Distri FLS	10.2790	10.9990	11.4940	11.5090	11.2540	8.5990	8.3790	8.4790	8.5790	8.6790	8.8010	8.9660
Distri ILS	13.0290	13.7490	14.2440	14.2590	14.0040	11.3490	11.1290	11.2290	11.3290	11.4290	11.5510	11.7160

	NOV-08	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NYMEX strip (06/07/06)	8.746	9.476	9.946	9.956	9.716	7.186	6.976	7.071	7.171	7.271	7.411	7.591

TENNESSEE ZN 0

Basis	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)
usage	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624
fuel	8.71%	8.71%	8.71%	8.71%	8.71%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%
Total Delivered	\$9.184	\$9.984	\$10.499	\$10.510	\$10.247	\$7.373	\$7.147	\$7.249	\$7.357	\$7.465	\$7.616	\$7.811

TENNESSEE ZN 1

Basis	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)
usage to Zn 6	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519
fuel to Zn 6	7.82%	7.82%	7.82%	7.82%	7.82%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
Total Delivered	\$9.553	\$10.345	\$10.855	\$10.866	\$10.605	\$7.766	\$7.541	\$7.643	\$7.750	\$7.857	\$8.007	\$8.200

TENNESSEE ZN 0 New

Basis	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)
Usage (aca)	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016
Total Delivered	\$8.238	\$8.968	\$9.438	\$9.448	\$9.208	\$6.678	\$6.468	\$6.563	\$6.663	\$6.763	\$6.903	\$7.083

TENNESSEE DRACUT

Basis	\$1.310	\$1.310	\$1.310	\$1.310	\$1.310	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470
usage	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658
fuel	0.89%	0.89%	0.89%	0.89%	0.89%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%
Total Delivered	\$10.212	\$10.949	\$11.423	\$11.433	\$11.191	\$7.787	\$7.576	\$7.671	\$7.772	\$7.873	\$8.014	\$8.196

TETCO STX

Basis	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)
Usage to M3	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.87%	11.18%	11.18%	11.18%	11.18%	8.87%	8.87%	8.87%	8.87%	8.87%	8.87%	8.87%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.107	\$10.234	\$10.770	\$10.762	\$10.508	\$7.384	\$7.152	\$7.257	\$7.367	\$7.478	\$7.632	\$7.831

TETCO WLA

Basis	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)
Usage to M3	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.20%	10.22%	10.22%	10.22%	10.22%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.573	\$10.674	\$11.204	\$11.215	\$10.944	\$7.863	\$7.633	\$7.737	\$7.847	\$7.956	\$8.110	\$8.307	\$8.307

TETCO ELA

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.585	\$10.666	\$11.194	\$11.205	\$10.935	\$7.880	\$7.651	\$7.755	\$7.864	\$7.973	\$8.126	\$8.323	\$8.323

TETCO ETX

Basis	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.126	\$10.194	\$10.722	\$10.733	\$10.464	\$7.421	\$7.192	\$7.296	\$7.405	\$7.514	\$7.667	\$7.864	\$7.864

TETCO TO NF

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on NF	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M2	6.96%	8.41%	8.41%	8.41%	8.41%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Fuel on NF	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to NF	\$9.649	\$10.594	\$11.107	\$11.118	\$10.856	\$7.972	\$7.746	\$7.849	\$7.956	\$8.063	\$8.214	\$8.407	\$8.407
Delivered to Transco	\$9.854	\$10.819	\$11.342	\$11.353	\$11.086	\$8.144	\$7.913	\$8.017	\$8.127	\$8.237	\$8.390	\$8.588	\$8.588
Delivered to Algonquin	\$9.938	\$10.910	\$11.438	\$11.449	\$11.179	\$8.213	\$7.981	\$8.086	\$8.197	\$8.307	\$8.462	\$8.661	\$8.661
Total Delivered	\$10.014	\$11.063	\$11.598	\$11.609	\$11.336	\$8.278	\$8.045	\$8.150	\$8.262	\$8.373	\$8.529	\$8.729	\$8.729

M3 DELIVERED

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.143	\$10.948	\$11.424	\$11.434	\$11.191	\$7.780	\$7.568	\$7.664	\$7.764	\$7.865	\$8.006	\$8.187	\$8.532

MAUMEE SUPPLY

Basis	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.413	\$10.228	\$10.714	\$10.724	\$10.476	\$7.811	\$7.595	\$7.693	\$7.795	\$7.898	\$8.042	\$8.227	\$8.532

BROADRUN COLUMBIA

Basis	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.413	\$10.228	\$10.714	\$10.724	\$10.476	\$7.811	\$7.595	\$7.693	\$7.795	\$7.898	\$8.042	\$8.227	\$8.532

COLUMBIA TETCO

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.368	\$11.189	\$11.675	\$11.686	\$11.438	\$7.956	\$7.740	\$7.838	\$7.941	\$8.043	\$8.187	\$8.372	\$8.532

COLUMBIA TRANSCO

Basis	\$1.14	\$1.14	\$1.14	\$1.14	\$1.14	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.183	\$11.003	\$11.489	\$11.500	\$11.251	\$7.924	\$7.708	\$7.806	\$7.908	\$8.011	\$8.155	\$8.340	\$8.532

DOMINION TO B & W

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage on Dominion	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on Tetco	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Usage on AGT	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175
Fuel to M2	6.96%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%
Fuel on Dominion	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%
Fuel on Tetco	1.29%	1.76%	1.76%	1.76%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to Dominion	\$9.649	\$10.594	\$11.107	\$11.118	\$10.856	\$7.972	\$7.746	\$7.849	\$7.956	\$8.063	\$8.214	\$8.407
Delivered to Tetco	\$9.954	\$10.929	\$11.458	\$11.469	\$11.199	\$8.225	\$7.992	\$8.097	\$8.208	\$8.319	\$8.474	\$8.674
Delivered to Algonquin	\$10.086	\$11.126	\$11.665	\$11.677	\$11.402	\$8.334	\$8.098	\$8.205	\$8.317	\$8.429	\$8.587	\$8.789
Total Delivered	\$10.367	\$11.487	\$12.033	\$12.044	\$11.766	\$8.604	\$8.367	\$8.474	\$8.587	\$8.700	\$8.859	\$9.062

TRANSCO AT WHARTON

Basis	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$10.046	\$10.856	\$11.336	\$11.346	\$11.101	\$7.814	\$7.601	\$7.698	\$7.799	\$7.901	\$8.043	\$8.225

Total delivered to the City Gas Gas Supply Costs

	NOV-08	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
Tenn Zn 0	9.1842	9.9838	10.4987	10.5096	10.2467	7.3735	7.1466	7.2492	7.3573	7.4653	7.6165	7.8109
Tenn Zn 1	9.5531	10.3450	10.8549	10.8657	10.6054	7.7657	7.5407	7.6425	7.7497	7.8568	8.0068	8.1997
Tenn ZN0 new	8.2376	8.9676	9.4376	9.4476	9.2076	6.6776	6.4676	6.5626	6.6626	6.7626	6.9026	7.0826
Dracut	10.2121	10.9487	11.4229	11.4330	11.1908	7.7874	7.5756	7.6714	7.7723	7.8732	8.0144	8.1959
STX	9.1067	10.2342	10.7701	10.7815	10.5079	7.3840	7.1521	7.2570	7.3675	7.4779	7.6325	7.8313
ELA	9.5849	10.6659	11.1937	11.2049	10.9354	7.8802	7.6507	7.7545	7.8638	7.9731	8.1261	8.3228
WLA	9.5733	10.6737	11.2040	11.2153	10.9445	7.8632	7.6330	7.7371	7.8468	7.9564	8.1099	8.3072
ETX	9.1260	10.1944	10.7221	10.7333	10.4638	7.4212	7.1918	7.2956	7.4048	7.5141	7.6671	7.8638
Tetco NF	10.0139	11.0632	11.5978	11.6092	11.3362	8.2784	8.0448	8.1505	8.2617	8.3730	8.5287	8.7290
Hubline	10.1328	10.9377	11.4138	11.4239	11.1808	7.7175	7.5062	7.6018	7.7024	7.8031	7.9440	8.1251
M3 Delivered	10.1428	10.9479	11.4239	11.4340	11.1910	7.7795	7.5682	7.6638	7.7644	7.8650	8.0059	8.1871
Maumee	9.4127	10.2282	10.7140	10.7243	10.4763	7.8107	7.5950	7.6926	7.7953	7.8980	8.0418	8.2266
Broadrun	9.4127	10.2282	10.7140	10.7243	10.4763	7.8107	7.5950	7.6926	7.7953	7.8980	8.0418	8.2266
Col-TET	10.3678	11.1895	11.6753	11.6856	11.4375	7.9561	7.7404	7.8380	7.9407	8.0434	8.1871	8.3720
Col-Transco	10.1829	11.0034	11.4892	11.4995	11.2515	7.9237	7.7080	7.8056	7.9083	8.0109	8.1547	8.3396
Tran Wharton	10.0459	10.8562	11.3361	11.3463	11.1013	7.8144	7.6013	7.6977	7.7991	7.9006	8.0426	8.2252
Tet B&W	10.0245	11.1070	11.6348	11.6460	11.3765	8.3198	8.0903	8.1941	8.3034	8.4127	8.5657	8.7624
Dominion to Tetco FTS	10.2991	11.1678	11.6524	11.6627	11.4152	7.9048	7.6908	7.7876	7.8896	7.9915	8.1342	8.3177
Tet Dom B&W	9.6488	10.5938	11.1070	11.1179	10.8559	7.9721	7.7464	7.8485	7.9560	8.0635	8.2140	8.4074
ANE Waddington	9.2462	9.9918	10.4718	10.4820	10.2369	7.6350	7.4210	7.5178	7.6197	7.7216	7.8642	8.0477
Niagara	9.3924	10.1380	10.6180	10.6282	10.3831	7.6619	7.4480	7.5448	7.6466	7.7485	7.8912	8.0746
Newport LNG	9.9460	10.6760	11.1460	11.1560	10.9160	8.1860	7.9760	8.0710	8.1710	8.2710	8.4110	8.5910
Propane Refill	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000
Distri FCS Vap	8.7460	9.4760	9.9460	9.9560	9.7160	7.1860	6.9760	7.0710	7.1710	7.2710	7.4110	7.5910
Distri FCS Liq	9.7460	10.4760	10.9460	10.9560	10.7160	8.1860	7.9760	8.0710	8.1710	8.2710	8.4110	8.5910
Distri FLS	9.7460	10.4760	10.9460	10.9560	10.7160	8.1860	7.9760	8.0710	8.1710	8.2710	8.4110	8.5910
Distri ILS	12.4960	13.2260	13.6960	13.7060	13.4660	10.9360	10.7260	10.8210	10.9210	11.0210	11.1610	11.3410

NOV-09 DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT

NYMEX strip (06/07/06)

8.361 9.131 9.611 9.616 9.416 6.926 6.736 6.856 6.966 7.071 7.166 7.306

TENNESSEE ZN 0

Basis (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510)
 usage \$0.1624 \$0.1624 \$0.1624 \$0.1624 \$0.1624 \$0.1624 \$0.1624 \$0.1624 \$0.1624 \$0.1624 \$0.1624 (\$0.510)
 fuel 8.71% 8.71% 8.71% 8.71% 8.71% 7.42% 7.42% 7.42% 7.42% 7.42% 7.42% 7.42%
 Total Delivered \$8.762 \$9.606 \$10.132 \$10.137 \$9.918 \$7.093 \$6.887 \$7.017 \$7.136 \$7.249 \$7.352 \$7.503

TENNESSEE ZN 1

Basis (\$0.080) (\$0.080) (\$0.080) (\$0.080) (\$0.080) (\$0.080) (\$0.080) (\$0.080) (\$0.080) (\$0.080) (\$0.080) (\$0.080)
 usage to Zn 6 \$0.1519 \$0.1519 \$0.1519 \$0.1519 \$0.1519 \$0.1519 \$0.1519 \$0.1519 \$0.1519 \$0.1519 \$0.1519 (\$0.080)
 fuel to Zn 6 7.82% 7.82% 7.82% 7.82% 7.82% 6.67% 6.67% 6.67% 6.67% 6.67% 6.67% 6.67%
 Total Delivered \$9.135 \$9.971 \$10.491 \$10.497 \$10.280 \$7.487 \$7.284 \$7.412 \$7.530 \$7.643 \$7.744 \$7.894

TENNESSEE ZN 0 New

Basis (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510) (\$0.510)
 Usage (aca) \$0.0016 \$0.0016 \$0.0016 \$0.0016 \$0.0016 \$0.0016 \$0.0016 \$0.0016 \$0.0016 \$0.0016 \$0.0016 (\$0.510)
 Total Delivered \$7.853 \$8.623 \$9.103 \$9.108 \$8.908 \$6.418 \$6.228 \$6.348 \$6.458 \$6.563 \$6.658 \$6.798

TENNESSEE DRACUT

Basis \$1.310 \$1.310 \$1.310 \$1.310 \$1.310 \$0.470 \$0.470 \$0.470 \$0.470 \$0.470 \$0.470 \$0.470
 usage \$0.0658 \$0.0658 \$0.0658 \$0.0658 \$0.0658 \$0.0658 \$0.0658 \$0.0658 \$0.0658 \$0.0658 \$0.0658 \$0.0658
 fuel 0.89% 0.89% 0.89% 0.89% 0.89% 0.85% 0.85% 0.85% 0.85% 0.85% 0.85% 0.85%
 Total Delivered \$9.824 \$10.601 \$11.085 \$11.090 \$10.888 \$7.525 \$7.334 \$7.455 \$7.566 \$7.671 \$7.767 \$7.908

TETCO STX

Basis (\$0.580) (\$0.580) (\$0.580) (\$0.580) (\$0.580) (\$0.580) (\$0.580) (\$0.580) (\$0.580) (\$0.580) (\$0.580) (\$0.580)
 Usage to M3 \$0.0756 \$0.0756 \$0.0756 \$0.0756 \$0.0756 \$0.0756 \$0.0756 \$0.0756 \$0.0756 \$0.0756 \$0.0756 \$0.0756
 Usage on AGT \$0.0130 \$0.0130 \$0.0130 \$0.0130 \$0.0130 \$0.0130 \$0.0130 \$0.0130 \$0.0130 \$0.0130 \$0.0130 \$0.0130
 Fuel to M3 8.87% 11.18% 11.18% 11.18% 11.18% 8.87% 8.87% 8.87% 8.87% 8.87% 8.87% 8.87%
 Fuel on AGT 0.63% 1.27% 1.27% 1.27% 1.27% 0.63% 0.63% 0.63% 0.63% 0.63% 0.63% 0.63%
 Total Delivered \$8.682 \$9.841 \$10.388 \$10.394 \$10.166 \$7.097 \$6.887 \$7.020 \$7.141 \$7.257 \$7.362 \$7.517

TETCO WLA

Basis	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)
Usage to M3	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.20%	10.22%	10.22%	10.22%	10.22%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.151	\$10.285	\$10.826	\$10.832	\$10.606	\$7.578	\$7.370	\$7.501	\$7.622	\$7.737	\$7.841	\$7.995	\$7.995

TETCO ELA

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.164	\$10.279	\$10.818	\$10.823	\$10.599	\$7.596	\$7.388	\$7.520	\$7.640	\$7.755	\$7.858	\$8.011	\$8.011

TETCO ETX

Basis	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.705	\$9.807	\$10.346	\$10.352	\$10.127	\$7.137	\$6.929	\$7.061	\$7.181	\$7.296	\$7.399	\$7.552	\$7.552

TETCO TO NF

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on NF	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M2	6.96%	8.41%	8.41%	8.41%	8.41%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Fuel on NF	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to NF	\$9.235	\$10.217	\$10.741	\$10.747	\$10.528	\$7.693	\$7.488	\$7.617	\$7.736	\$7.849	\$7.951	\$8.101	\$8.101
Delivered to Transco	\$9.432	\$10.434	\$10.969	\$10.975	\$10.752	\$7.858	\$7.650	\$7.782	\$7.902	\$8.017	\$8.122	\$8.275	\$8.275
Delivered to Algonquin	\$9.512	\$10.522	\$11.061	\$11.067	\$10.842	\$7.926	\$7.716	\$7.849	\$7.970	\$8.086	\$8.191	\$8.346	\$8.346
Total Delivered	\$9.586	\$10.671	\$11.217	\$11.222	\$10.995	\$7.989	\$7.778	\$7.911	\$8.034	\$8.150	\$8.256	\$8.412	\$8.412

DOMINION TO B & W

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage on Dominion	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on Tetco	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Usage on AGT	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175
Fuel to M2	6.96%	8.41%	8.41%	8.41%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Fuel on Dominion	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%
Fuel on Tetco	1.29%	1.76%	1.76%	1.76%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to Dominion	\$9.235	\$10.741	\$10.747	\$10.528	\$7.693	\$7.488	\$7.617	\$7.736	\$7.849	\$7.951	\$8.101
Delivered to Tetco	\$9.527	\$10.540	\$11.081	\$10.861	\$7.936	\$7.726	\$7.859	\$7.981	\$8.097	\$8.203	\$8.358
Delivered to Algonquin	\$9.654	\$10.731	\$11.281	\$11.058	\$8.042	\$7.829	\$7.963	\$8.087	\$8.205	\$8.312	\$8.469
Total Delivered	\$9.932	\$11.087	\$11.644	\$11.417	\$8.310	\$8.096	\$8.231	\$8.356	\$8.474	\$8.582	\$8.740

TRANSCO AT WHARTON

Basis	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$0.5000	\$0.5000	\$0.5000	\$0.5000	\$0.5000	\$0.5000	\$0.5000
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.655	\$10.504	\$10.994	\$10.795	\$7.551	\$7.358	\$7.480	\$7.591	\$7.698	\$7.794	\$7.936

ANE TO TENNESSEE

Basis	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300
Iroquois usage	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054
NETNE usage	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016
Fuel on Iroquois	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%	0.00%
Fuel on NETNE	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	1.86%	1.86%	1.86%	1.86%	1.86%	1.86%	1.86%	1.86%
Total Delivered	\$8.853	\$9.639	\$10.130	\$10.135	\$9.931	\$7.370	\$7.176	\$7.299	\$7.411	\$7.518	\$7.615	\$7.757	\$7.884	\$8.027	\$8.175	\$8.323	\$8.471	\$8.619	\$8.767

NIAGARA TO TENNESSEE

Basis	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367
Tenn usage	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085
Tenn Fuel	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	1.86%	1.86%	1.86%	1.86%	1.86%	1.86%	1.86%	1.86%
Total Delivered	\$8.999	\$9.786	\$10.276	\$10.281	\$10.077	\$7.397	\$7.203	\$7.326	\$7.438	\$7.545	\$7.642	\$7.784	\$7.927	\$8.075	\$8.223	\$8.371	\$8.519	\$8.667	\$8.815

Tetco to B&W

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
usage on TETCO	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302
usage on AGT	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175
fuel to ZN 3	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.604	\$10.720	\$11.259	\$11.264	\$11.040	\$8.036	\$7.828	\$7.959	\$8.079	\$8.194	\$8.298	\$8.451	\$8.604	\$8.757	\$8.910	\$9.063	\$9.216	\$9.369	\$9.522

Dominion to Tetco FTS

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320
usage on TETCO	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237
usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Tetco	1.29%	1.76%	1.76%	1.76%	1.76%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.907	\$10.812	\$11.307	\$11.312	\$11.106	\$7.640	\$7.446	\$7.568	\$7.681	\$7.788	\$7.884	\$8.027	\$8.175	\$8.323	\$8.471	\$8.619	\$8.767	\$8.915	\$9.063

DISTRIGAS FCS

Total Delivered	\$8.361	\$9.131	\$9.611	\$9.616	\$9.416	\$6.926	\$6.736	\$6.856	\$6.966	\$7.071	\$7.166	\$7.306
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Hubline

Basis	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100
usage	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
fuel	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.745	\$10.588	\$11.074	\$11.080	\$10.877	\$7.456	\$7.265	\$7.385	\$7.496	\$7.602	\$7.697	\$7.838							

Total delivered to the City Gas Gas Supply Costs

	NOV-09	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
Tenn Zn 0	8.7625	9.6059	10.1317	10.1372	9.9181	7.0926	6.8874	7.0170	7.1358	7.2492	7.3519	7.5031
Tenn Zn 1	9.1354	9.9707	10.4915	10.4969	10.2799	7.4872	7.2836	7.4122	7.5300	7.6425	7.7443	7.8943
Tenn ZN0 new	7.8526	8.6226	9.1026	9.1076	8.9076	6.4176	6.2276	6.3476	6.4576	6.5626	6.6576	6.7976
Dracut	9.8236	10.6006	11.0849	11.0899	10.8881	7.5252	7.3336	7.4546	7.5655	7.6714	7.7673	7.9085
STX	8.6816	9.8407	10.3881	10.3938	10.1657	7.0969	6.8871	7.0196	7.1411	7.2570	7.3619	7.5165
ELA	9.1642	10.2786	10.8175	10.8231	10.5986	7.5961	7.3885	7.5196	7.6398	7.7545	7.8583	8.0113
WLA	9.1513	10.2845	10.8260	10.8317	10.6060	7.5782	7.3699	7.5014	7.6220	7.7371	7.8413	7.9948
ETX	8.7053	9.8070	10.3460	10.3516	10.1270	7.1371	6.9295	7.0606	7.1808	7.2956	7.3994	7.5524
Tetco NF	9.5856	10.6708	11.2168	11.2224	10.9950	7.9892	7.7778	7.9113	8.0337	8.1505	8.2562	8.4119
Hubline	9.7453	10.5883	11.0745	11.0795	10.8770	7.4559	7.2647	7.3854	7.4961	7.6018	7.6974	7.8383
M3 Delivered	9.7554	10.5984	11.0846	11.0897	10.8871	7.5179	7.3266	7.4474	7.5581	7.6638	7.7594	7.9003
Maumee	9.0174	9.8716	10.3677	10.3729	10.1662	7.5437	7.3486	7.4718	7.5848	7.6926	7.7902	7.9339
Broadrun	9.0174	9.8716	10.3677	10.3729	10.1662	7.5437	7.3486	7.4718	7.5848	7.6926	7.7902	7.9339
Col-TET	9.9724	10.8329	11.3290	11.3342	11.1274	7.6891	7.4939	7.6172	7.7301	7.8380	7.9355	8.0793
Col-Transco	9.7876	10.6468	11.1429	11.1481	10.9414	7.6566	7.4615	7.5848	7.6977	7.8056	7.9031	8.0469
Tran Wharton	9.6554	10.5040	10.9941	10.9992	10.7950	7.5506	7.3579	7.4796	7.5912	7.6977	7.7941	7.9361
Tet B&W	9.6038	10.7197	11.2586	11.2642	11.0397	8.0357	7.8280	7.9592	8.0794	8.1941	8.2979	8.4509
Dominion to Tetco FTS	9.9065	10.8121	11.3070	11.3121	11.1059	7.6398	7.4461	7.5684	7.6806	7.7876	7.8845	8.0272
Tet Dom B&W	9.2350	10.2171	10.7412	10.7467	10.5283	7.6927	7.4885	7.6174	7.7357	7.8485	7.9506	8.1011
ANE Waddington	8.8530	9.6394	10.1297	10.1348	9.9305	7.3701	7.1765	7.2987	7.4108	7.5178	7.6146	7.7573
Niagara	8.9992	9.7856	10.2759	10.2810	10.0767	7.3970	7.2034	7.3257	7.4378	7.5448	7.6416	7.7842
Newport LNG	9.5610	10.3310	10.8110	10.8160	10.6160	7.9260	7.7360	7.8560	7.9660	8.0710	8.1660	8.3060
Propane Refill	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000
Distri FCS Vap	8.3610	9.1310	9.6110	9.6160	9.4160	6.9260	6.7360	6.8560	6.9660	7.0710	7.1660	7.3060
Distri FCS Liq	9.3610	10.1310	10.6110	10.6160	10.4160	7.9260	7.7360	7.8560	7.9660	8.0710	8.1660	8.3060
Distri FLS	9.3610	10.1310	10.6110	10.6160	10.4160	7.9260	7.7360	7.8560	7.9660	8.0710	8.1660	8.3060
Distri ILS	12.1110	12.8810	13.3610	13.3660	13.1660	10.6760	10.4860	10.6060	10.7160	10.8210	10.9160	11.0560

	NOV-10	DEC	Jan	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NYMEX strip (06/07/06)	8.116	8.876	9.346	9.376	9.141	6.631	6.461	6.576	6.691	6.786	6.871	6.986

TENNESSEE ZN 0

Basis	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)
usage	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624	\$0.1624
fuel	8.71%	8.71%	8.71%	8.71%	8.71%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%
Total Delivered	\$8.494	\$9.327	\$9.841	\$9.874	\$9.617	\$6.774	\$6.590	\$6.715	\$6.839	\$6.941	\$7.033	\$7.157

TENNESSEE ZN 1

Basis	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)	(\$0.080)
usage to Zn 6	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519	\$0.1519
fuel to Zn 6	7.82%	7.82%	7.82%	7.82%	7.82%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
Total Delivered	\$8.870	\$9.694	\$10.204	\$10.237	\$9.982	\$7.171	\$6.989	\$7.112	\$7.235	\$7.337	\$7.428	\$7.551

TENNESSEE ZN 0 New

Basis	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)	(\$0.510)
Usage (aca)	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016
Total Delivered	\$7.608	\$8.368	\$8.838	\$8.868	\$8.633	\$6.123	\$5.953	\$6.068	\$6.183	\$6.278	\$6.363	\$6.478

TENNESSEE DRACUT

Basis	\$1.310	\$1.310	\$1.310	\$1.310	\$1.310	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470	\$0.470
usage	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658	\$0.0658
fuel	0.89%	0.89%	0.89%	0.89%	0.89%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%
Total Delivered	\$9.576	\$10.343	\$10.817	\$10.848	\$10.611	\$7.228	\$7.056	\$7.172	\$7.288	\$7.384	\$7.470	\$7.586

TETCO STX

Basis	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)	(\$0.580)
Usage to M3	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756	\$0.0756
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.87%	11.18%	11.18%	11.18%	11.18%	8.87%	8.87%	8.87%	8.87%	8.87%	8.87%	8.87%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.411	\$9.550	\$10.086	\$10.120	\$9.852	\$6.771	\$6.583	\$6.710	\$6.837	\$6.942	\$7.036	\$7.163

TETCO WLA

Basis	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)	(\$0.090)
Usage to M3	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709	\$0.0709
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	8.20%	10.22%	10.22%	10.22%	10.22%	10.22%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%	8.20%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.883	\$9.997	\$10.527	\$10.561	\$10.296	\$7.255	\$7.068	\$7.195	\$7.321	\$7.425	\$7.518	\$7.644	\$7.662

TETCO ELA

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.896	\$9.992	\$10.520	\$10.554	\$10.290	\$7.274	\$7.088	\$7.214	\$7.339	\$7.443	\$7.536	\$7.662	\$7.662

TETCO ETX

Basis	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)	(\$0.470)
Usage to M3	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687	\$0.0687
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M3	7.91%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.438	\$9.521	\$10.048	\$10.082	\$9.818	\$6.815	\$6.629	\$6.755	\$6.880	\$6.984	\$7.077	\$7.203	\$7.203

TETCO TO NF

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on NF	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087	\$0.0087
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel to M2	6.96%	8.41%	8.41%	8.41%	8.41%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%	6.96%
Fuel on NF	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Delivered to NF	\$8.972	\$9.939	\$10.452	\$10.485	\$10.228	\$7.376	\$7.193	\$7.316	\$7.440	\$7.542	\$7.634	\$7.757	\$7.757
Delivered to Transco	\$9.163	\$10.150	\$10.674	\$10.707	\$10.445	\$7.535	\$7.348	\$7.475	\$7.601	\$7.705	\$7.798	\$7.924	\$7.924
Delivered to Algonquin	\$9.241	\$10.236	\$10.764	\$10.798	\$10.534	\$7.600	\$7.412	\$7.539	\$7.666	\$7.771	\$7.865	\$7.992	\$7.992
Total Delivered	\$9.313	\$10.381	\$10.915	\$10.949	\$10.682	\$7.661	\$7.472	\$7.600	\$7.728	\$7.833	\$7.928	\$8.056	\$8.056

M3 DELIVERED

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.509	\$10.340	\$10.816	\$10.847	\$10.609	\$7.221	\$7.050	\$7.166	\$7.281	\$7.377	\$7.463	\$7.578

MAUMEE SUPPLY

Basis	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.766	\$9.608	\$10.094	\$10.125	\$9.882	\$7.241	\$7.066	\$7.184	\$7.302	\$7.400	\$7.487	\$7.605

BROADRUN COLUMBIA

Basis	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$8.766	\$9.608	\$10.094	\$10.125	\$9.882	\$7.241	\$7.066	\$7.184	\$7.302	\$7.400	\$7.487	\$7.605

COLUMBIA TETCO

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532	\$0.532
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.721	\$10.569	\$11.055	\$11.086	\$10.843	\$7.386	\$7.212	\$7.330	\$7.448	\$7.545	\$7.633	\$7.751

COLUMBIA TRANSCO

Basis	\$1.14	\$1.14	\$1.14	\$1.14	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Usage on Columbia	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Columbia	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%	2.01%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.536	\$10.383	\$10.869	\$10.900	\$10.657	\$7.354	\$7.179	\$7.297	\$7.415	\$7.513	\$7.600	\$7.718

DOMINION TO B & W

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
Usage on Dominion	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245
Usage to M2	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023	\$0.3023
Usage on Tetco	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Usage on AGT	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175
Fuel to M2	6.96%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%	8.41%
Fuel on Dominion	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%
Fuel on Tetco	1.29%	1.76%	1.76%	1.76%	1.76%	1.76%	1.76%	1.76%	1.76%	1.76%	1.76%	1.76%	1.29%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%
Delivered to Dominion	\$8.972	\$9.939	\$10.452	\$10.485	\$10.228	\$7.376	\$7.193	\$7.316	\$7.440	\$7.542	\$7.634	\$7.757	\$7.757
Delivered to Tetco	\$9.256	\$10.253	\$10.782	\$10.816	\$10.552	\$7.609	\$7.421	\$7.548	\$7.676	\$7.781	\$7.876	\$8.003	\$8.003
Delivered to Algonquin	\$9.378	\$10.439	\$10.977	\$11.012	\$10.742	\$7.711	\$7.520	\$7.649	\$7.778	\$7.885	\$7.980	\$8.109	\$8.109
Total Delivered	\$9.655	\$10.790	\$11.336	\$11.371	\$11.098	\$7.977	\$7.785	\$7.915	\$8.045	\$8.152	\$8.248	\$8.378	\$8.378

TRANSCO AT WHARTON

Basis	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400	\$1.1400
Usage on Transco	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050
Usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Transco	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%	0.79%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	0.63%
Total Delivered	\$9.407	\$10.244	\$10.724	\$10.754	\$10.514	\$7.251	\$7.079	\$7.196	\$7.312	\$7.409	\$7.495	\$7.611	\$7.611

ANE TO TENNESSEE

Basis	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300	\$0.300
Iroquois usage	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054
NETNE usage	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016	\$0.0016
Fuel on Iroquois	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%	0.00%	0.00%	0.00%	0.00%	0.00%
Fuel on NETNE	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%
Total Delivered	\$8.603	\$9.379	\$9.859	\$9.890	\$9.650	\$7.069	\$6.896	\$7.013	\$7.131	\$7.227	\$7.314	\$7.431	\$7.558	\$7.685	\$7.812	\$7.939	\$8.066	\$8.193	\$8.320	\$8.447	\$8.574	\$8.701	

NIAGARA TO TENNESSEE

Basis	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367	\$0.367
Tenn usage	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085	\$0.085
Tenn Fuel	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%	2.09%
Total Delivered	\$8.749	\$9.525	\$10.005	\$10.036	\$9.796	\$7.096	\$6.923	\$7.040	\$7.158	\$7.254	\$7.341	\$7.458	\$7.585	\$7.712	\$7.839	\$7.966	\$8.093	\$8.220	\$8.347	\$8.474	\$8.601	\$8.728

Tetco to B&W

Basis	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)	(\$0.050)
usage on TETCO	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302	\$0.302
usage on AGT	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175	\$0.2175
fuel to ZN 3	7.91%	9.79%	9.79%	9.79%	9.79%	9.79%	9.79%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%	7.91%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.336	\$10.433	\$10.961	\$10.995	\$10.731	\$7.713	\$7.528	\$7.653	\$7.779	\$7.883	\$7.976	\$8.101	\$8.226	\$8.351	\$8.476	\$8.601	\$8.726	\$8.851	\$8.976	\$9.101	\$9.226	\$9.351	\$9.476

Dominion to Tetco FTS

Basis	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320	\$1.320
usage on TETCO	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237
usage on AGT	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
Fuel on Tetco	1.29%	1.76%	1.76%	1.76%	1.76%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%
Fuel on AGT	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.657	\$10.549	\$11.034	\$11.065	\$10.822	\$7.339	\$7.166	\$7.283	\$7.400	\$7.497	\$7.584	\$7.701	\$7.828	\$7.955	\$8.082	\$8.209	\$8.336	\$8.463	\$8.590	\$8.717	\$8.844	\$8.971	\$9.098

DISTRIGAS FCS

Total Delivered	\$8.116	\$8.876	\$9.346	\$9.376	\$9.141	\$6.631	\$6.461	\$6.576	\$6.691	\$6.786	\$6.871	\$6.986	\$7.101	\$7.216	\$7.331	\$7.446	\$7.561	\$7.676	\$7.791	\$7.906	\$8.021	\$8.136	\$8.251
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Hubline

Basis	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100	\$1.3100
usage	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130	\$0.0130
fuel	0.63%	1.27%	1.27%	1.27%	1.27%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
Total Delivered	\$9.499	\$10.330	\$10.806	\$10.836	\$10.598	\$7.159	\$6.988	\$7.104	\$7.219	\$7.315	\$7.401	\$7.516	\$7.631	\$7.746	\$7.861	\$7.976	\$8.091	\$8.206	\$8.321	\$8.436	\$8.551	\$8.666	\$8.781

Total delivered to the City Gas Gas Supply Costs

	NOV-10	DEC	Jan	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
Tenn Zn 0	8.4941	9.3266	9.8414	9.8743	9.6169	6.7740	6.5904	6.7146	6.8388	6.9414	7.0332	7.1574
Tenn Zn 1	8.8696	9.6941	10.2040	10.2365	9.9816	7.1711	6.9889	7.1121	7.2354	7.3372	7.4282	7.5514
Tenn ZN0 new	7.6076	8.3676	8.8376	8.8676	8.6326	6.1226	5.9526	6.0676	6.1826	6.2776	6.3626	6.4776
Dracut	9.5764	10.3433	10.8175	10.8478	10.6106	7.2277	7.0562	7.1722	7.2882	7.3840	7.4697	7.5857
STX	8.4110	9.5500	10.0859	10.1201	9.8522	6.7711	6.5834	6.7104	6.8374	6.9423	7.0362	7.1632
ELA	8.8965	9.9923	10.5200	10.5537	10.2898	7.2737	7.0879	7.2136	7.3393	7.4431	7.5360	7.6616
WLA	8.8827	9.9968	10.5271	10.5609	10.2958	7.2548	7.0684	7.1945	7.3206	7.4247	7.5179	7.6440
ETX	8.4375	9.5207	10.0484	10.0821	9.8182	6.8147	6.6290	6.7546	6.8803	6.9841	7.0770	7.2027
Tetco NF	9.3130	10.3808	10.9153	10.9495	10.6822	7.6610	7.4719	7.5998	7.7278	7.8334	7.9280	8.0559
Hubline	9.4988	10.3300	10.8061	10.8365	10.5984	7.1590	6.9879	7.1037	7.2194	7.3150	7.4005	7.5163
M3 Delivered	9.5088	10.3402	10.8162	10.8466	10.6086	7.2210	7.0499	7.1656	7.2814	7.3770	7.4625	7.5782
Maumee	8.7658	9.6080	10.0938	10.1248	9.8819	7.2407	7.0662	7.1842	7.3023	7.3999	7.4872	7.6053
Broadrun	8.7658	9.6080	10.0938	10.1248	9.8819	7.2407	7.0662	7.1842	7.3023	7.3999	7.4872	7.6053
Col-TET	9.7208	10.5693	11.0551	11.0861	10.8432	7.3861	7.2115	7.3296	7.4477	7.5453	7.6326	7.7507
Col-Transco	9.5360	10.3832	10.8690	10.9000	10.6571	7.3537	7.1791	7.2972	7.4153	7.5129	7.6002	7.7183
Tran Wharton	9.4069	10.2437	10.7235	10.7542	10.5142	7.2514	7.0789	7.1956	7.3122	7.4086	7.4948	7.6115
Tet B&W	9.3361	10.4334	10.9611	10.9948	10.7309	7.7133	7.5275	7.6532	7.7789	7.8827	7.9756	8.1012
Dominion to Tetco FTS	9.6568	10.5492	11.0337	11.0647	10.8224	7.3390	7.1657	7.2830	7.4002	7.4971	7.5837	7.7009
Tet Dom B&W	8.9717	9.9387	10.4519	10.4846	10.2281	7.3756	7.1929	7.3165	7.4401	7.5422	7.6336	7.7572
ANE Waddington	8.6028	9.3790	9.8590	9.8897	9.6496	7.0695	6.8962	7.0134	7.1306	7.2274	7.3140	7.4312
Niagara	8.7490	9.5252	10.0052	10.0359	9.7958	7.0964	6.9232	7.0404	7.1575	7.2543	7.3410	7.4581
Newport LNG	9.3160	10.0760	10.5460	10.5760	10.3410	7.6310	7.4610	7.5760	7.6910	7.7860	7.8710	7.9860
Propane Refill	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000	14.0000
Distri FCS Vap	8.1160	8.8760	9.3460	9.3760	9.1410	6.6310	6.4610	6.5760	6.6910	6.7860	6.8710	6.9860
Distri FCS Liq	9.1160	9.8760	10.3460	10.3760	10.1410	7.6310	7.4610	7.5760	7.6910	7.7860	7.8710	7.9860
Distri FLS	9.1160	9.8760	10.3460	10.3760	10.1410	7.6310	7.4610	7.5760	7.6910	7.7860	7.8710	7.9860
Distri ILS	11.8660	12.6260	13.0960	13.1260	12.8910	10.3810	10.2110	10.3260	10.4410	10.5360	10.6210	10.7360

SUPPLY AREA BASIS SUMMARY

THROUGH 'June 2006

Sorted by Price \$/Mmbtu on 12 month average

SUPPLY AREA	12 Month Average	3 year avg.
TETCO STX	(\$1.16)	(\$0.58)
TENNESSEE ZONE 0	(\$1.04)	(\$0.51)
TETCO ETX	(\$0.99)	(\$0.47)
TETCO WLA	(\$0.15)	(\$0.09)
TENNESSEE ZONE 1	(\$0.08)	(\$0.08)
TETCO ELA	(\$0.06)	(\$0.050)
TRANSCO ZONE 2	(\$0.15)	(\$0.05)
COLUMBIA APPALACHIA	\$0.41	\$0.39
TRANSCO ZONE 3	\$0.18	\$0.09
AGT CITY GATE SUMMER	\$0.61	\$0.54
AGT CITY GATE WINTER	\$1.85	\$1.74
TETCO M3 SUMMER	\$0.60	\$0.53
TETCO M3 WINTER	\$1.30	\$1.32
TRANSCO ZONE 6 SUMMER	\$0.60	\$0.50
TRANSCO ZONE 6 WINTER	\$1.26	\$1.14
DOMINION APPALACHIAN	\$0.43	\$0.39
DRACUT WINTER	\$1.05	\$1.31
DRACUT SUMMER	\$0.48	\$0.47
TENNESSEE ZONE 6 DEL WINTER	\$1.91	\$1.60
TENNESSEE ZONE 6 DEL SUMMER	\$0.58	\$0.52
NIAGARA WINTER	\$0.02	\$0.37
NIAGARA SUMMER	\$0.11	\$0.25
ANE SUMMER	(\$0.53)	(\$0.69)
ANE WINTER	(\$1.04)	(\$1.06)

WLA	1.1300	0.00	0.0000	1.1300	648										
ELA	0.9500	0.00	0.0000	0.9500	1,183										
ETX	0.8760	0.00	0.0000	0.8760	329										
M1 TO M3	4.2880	0.00	0.0000	4.2880	2,099		M1 - M3	0.3859	\$0.0018	0.0051	0.0082	0.401			
TEXAS EASTERN															
SCT (800173)															
STX	2.7220	0.00	0.0000	2.7220	401										
WLA	1.1300	0.00	0.0000	1.1300	831										
ELA	0.9500	0.00	0.0000	0.9500	455										
ETX	0.8760	0.00	0.0000	0.8760	231										
M1 TO M2	3.2720	0.00	0.0000	3.2720	1,474		M1 - M2	0.2908	\$0.0018	0.0035	0.0062	0.3023			
CDS,															
M2 TO M3	9.057	0.0000	0.0000	9.0570			M1 TO M3	0.0416	\$0.0018	0.0001	0.0124	0.0559			
M3 TO M3	5.1950	0.0000	0.0000	5.1950			M1 TO M2	0.0285	\$0.0018	0.0001	0.0103	0.0407			
							M2 TO M3	0.0323	\$0.0018	0.0001	0.0112	0.0454			
							M3 TO M3	0.0131	\$0.0018	0.0001	0.0087	0.0237			
FSS-1 (400515)	5.1950	0.0000	0.0000	5.1950	944										
FTS (330844)	5.3500	0.0000	0.0000	5.3500	6,377			0.0000	\$0.0018	0.00	0.00	0.0018			
FTS (330845)	5.3500	0.0000	0.0000	5.3500	537			0.0000	\$0.0018	0.00	0.00	0.0018			
FTS-5 (330907)	5.1790	0.0000	0.0000	5.1790	248			0.0000	\$0.0018	0.00	0.00	0.0018			
FTS-5 (330870)	5.1790	0.0000	0.0000	5.1790	1,000			0.0000	\$0.0018	0.00	0.00	0.0018			
FTS-5 (330867)	5.1790	0.0000	0.0000	5.1790	813			0.0000	\$0.0018	0.00	0.00	0.0018			
FTS-7 (331772)	6.5760	0.0000	0.0000	6.5760	538			0.0000	\$0.0018	0.00	0.00	0.0018			
FTS-8 (331801)	6.8640	0.0000	0.0000	6.8640	79			0.0000	\$0.0018	0.00	0.00	0.0018			
FTS-8 (331819)	6.8640	0.0000	0.0000	6.8640	4,745			0.0000	\$0.0018	0.00	0.00	0.0018			
FTS-8 (331802)	6.8640	0.0000	0.0000	6.8640	187			0.0000	\$0.0018	0.00	0.00	0.0018			
STORAGE															
SS-1 (400221)	5.4570	0.0000	0.0000	5.4570	14,137		INJECT	0.0338	0.0000	0.0000	\$0.0016	\$0.0354			
CAPACITY (400221)	0.1293	0.0000	0.0000	0.1293	99,003		WITHDR	0.0551	\$0.0018	0.0000	\$0.0000	\$0.0569			
SS-1 (400185)	5.4570	0.0000	0.0000	5.4570	665		INJECT	0.0338	0.0000	0.0000	\$0.0016	\$0.0354			
CAPACITY (400185)	0.1293	0.0000	0.0000	0.1293	4,333		WITHDR	0.0551	\$0.0018	0.0000	\$0.0000	\$0.0569			
FSS-1 (400515)	0.8950	0.0000	0.0000	0.8950	944		INJECT	0.0338	0.0000	0.0000	\$0.0016	\$0.0354			
CAPACITY (400515)	0.1293	0.0000	0.0000	0.1293	4,720		WITHDR	0.0551	\$0.0018	0.0000	0.0000	\$0.0569			

PIPELINE	BASE	MISC.		TOTAL	UNITS	BILLING	ZONE	BASE	GRI	MISC.		TOTAL
		SURCH.	RESTR.							SURCH.	SURCH.	
TENNESSEE												
FT-A									GRI/ACA			
Zone 0 (1598)	16.5900	0.0000	0.0000	16.5900	2,967	ZONE 0 TO 6	0.1608	0.0000	0.0000	\$0.0016	0.0000	0.1624
Zone 1 (1598)	15.1500	0.0000	0.0000	15.1500	7,033	ZONE 1 TO 6	0.1503	0.0000	0.0000	\$0.0016	0.0000	0.1519
FTA Zone 0 - 6 (1597)	16.5900	0.0000	0.0000	16.5900	1,750	0 - 6	0.1608	0.0000	0.0000	\$0.0016	0.0000	0.1624
FTA Zone 1 - 6 (1597)	15.1500	0.0000	0.0000	15.1500	3,250	1 - 6	0.1503	0.0000	0.0000	\$0.0016	0.0000	0.1519
FTA Zone 0 - 6 (8516)	16.5900	0.0000	0.0000	16.5900	1,750	0 - 6	0.1608	0.0000	0.0000	\$0.0016	0.0000	0.1624
FTA Zone 1 - 6 (8516)	15.1500	0.0000	0.0000	15.1500	3,250	1 - 6	0.1503	0.0000	0.0000	\$0.0016	0.0000	0.1519
FTA Zone 0 - 6 (1598)	16.5900	0.0000	0.0000	16.5900	2,965	0 - 6	0.1608	0.0000	0.0000	\$0.0016	0.0000	0.1624
FTA Zone 1 - 6 (1598)	15.1500	0.0000	0.0000	15.1500	6,370	1 - 6	0.1503	0.0000	0.0000	\$0.0016	0.0000	0.1519
FTA Zone 4 - 6 (10807)	5.8900	0.0000	0.0000	5.8900	10,836	4 - 6	0.0834	0.0000	0.0000	\$0.0016	0.0000	0.0855
FTA Zone 5 - 6 (39173)	4.9300	0.0000	0.0000	4.9300	1,067	5 - 6	0.0765	0.0000	0.0000	\$0.0016	0.0000	0.0781
NETNE (32352)	10.61	0.0000	0.0000	10.61	1,000	5 - 6	0.0000	0.0000	0.0000	\$0.0016	0.0000	0.0016
DRACUT (40725)	3.16	0.0000	0.0000	3.16	15,000	6 - 6	0.0642	0.0000	0.0000	\$0.0016	0.0000	0.0658
					57,238	1 - 4	0.1014	0.0000	0.0000	\$0.0016	0.0000	0.103
TENNESSEE												
FS-MA (Storage)												
FSMA DEMAND (8995)	1.15	0.0000	0.0000	1.1500	10,249	INJECT	0.0102	0.0000	0.0000	0.0000	0.0000	0.0102
FSMA CAPACITY (8995)	0.0185	0.0000	0.0000	0.0185	210,000	WITHDR	0.0102	0.0000	0.0000	0.0000	0.0000	0.0102
FSMA DEMAND (501)	1.15	0.0000	0.0000	1.1500	10,920	INJECT	0.0102	0.0000	0.0000	0.0000	0.0000	0.0102
FSMA CAPACITY (501)	0.0185	0.0000	0.0000	0.0185	605,343	WITHDR	0.0102	0.0000	0.0000	0.0000	0.0000	0.0102
IROQUOIS												
RTS-1 (500-01)	6.9586	0.0000	0.0000	6.9586	1,012	ZONE 1	0.0029	0.0000	0.0000	\$0.0018	0.0007	0.0054
COLUMBIA									ACA			
FTS (37804)	5.9410	0.0000	0.0000	5.9410	47,455		0.0156	\$0.0018	0.0000	0.0000	0.0000	0.0174
SST (38053)	5.7710	0.0000	0.0000	5.7710	2,545		0.0154	\$0.0018	0.0000	0.0000	0.0000	0.0172
FSS (Storage) (38010)												
DEMAND	1.5000	0.0000	0.0000	1.5000	2,545	INJECT	0.0153	0.0000	0.0000	0.0000	0.0000	0.0153
CAPACITY	0.0288	0.0000	0.0000	0.0288	203,957	WITHDR	0.0153	0.0000	0.0000	0.0000	0.0000	0.0153

DIVISION	ACCOUNT	AMOUNT	DATE	DESCRIPTION	TCRA	EPC	TCRA	EPC	ACA	EPC	TCRA	EPC	
DOMINION	FTNN (700086)	\$4,4672			-0.0427	-0.0015	4.4230	2,061	\$0.0212	\$0.0018	\$0.0017	0.0245	
	FTNN (700087)	\$4,4672			-0.0427	-0.0015	4.4230	5,324	\$0.0212	\$0.0018	\$0.0017	0.0245	
	FTNN (100118)	\$4,4672			-0.0427	-0.0015	4.4230	537	\$0.0212	\$0.0018	\$0.0017	0.0245	
	STORAGE												
	GSS (300171) DEMAND	\$1,8879			-0.0059	0.0005	1.8825	2,617	INJECT		(0.0004)	0.0001	0.0202
	GSS (300171) CAPACITY	0.0145			0.0000	0.0000	0.0145	188,814	WITHDR	\$0.0018	(0.0004)	0.0001	0.0169
	GSS (300169) DEMAND	\$1,8879			-0.0059	0.0005	1.8825	2,061	INJECT		(0.0004)	0.0001	0.0202
	GSS (300169) CAPACITY	0.0145			0.0000	0.0000	0.0145	206,100	WITHDR	\$0.0018	(0.0004)	0.0001	0.0169
	GSS-TE (600045) DEMAND	\$1,8879			-0.0059	0.0005	1.8825	14,337	INJECT		(0.0004)	0.0001	0.0202
	GSS-TE (600045) CAPACITY	0.0145			0.0000	0.0000	0.0145	1,376,324	WITHDR	\$0.0018	-0.0007	0.0001	0.0177
	GSS (300168) DEMAND	\$1,8879			-0.0059	0.0005	1.8825	1,401	INJECT		(0.0004)	0.0001	0.0202
	GSS (300168) CAPACITY	0.0145			0.0000	0.0000	0.0145	154,050	WITHDR	\$0.0018	(0.0004)	0.0001	0.0169
	GSS (300170) DEMAND	\$1,8879			-0.0059	0.0005	1.8825	5,324	INJECT		(0.0004)	0.0001	0.0202
GSS (300170) CAPACITY	0.0145			0.0000	0.0000	0.0145	490,340	WITHDR	\$0.0018	(0.0004)	0.0001	0.0169	
TRANSCO													
	FTN ZONE 2 TO 6 (6504)	11,9810			0.0000	0.0000	11,9810	138	ZONE 2 TO 6	\$0.0018	0.00000	0.0000	0.0202
	ZONE 3 TO 6 (6504)	11,1808			0.0000	0.0000	11,1808	3	ZONE 3 TO 6	\$0.0018	0.00000	0.0000	0.0187
	ZONE 6 TO 6 (6433)	2,9055			0.0000	0.0000	2,9055	62	ZONE 6 TO 6	\$0.0018	0.00000	0.0000	0.0050
	ZONE 6 TO 6 (6427)	2,9055			0.0000	0.0000	2,9055	1,178	ZONE 6 TO 6	\$0.0018	0.00000	0.0000	0.0050
NATIONAL FUEL													
	EFT (E00518)	3,557			0.0000	0.0000	3,5570	1,177		\$0.0018	0.0000	0.0000	0.0087

Data Request DIV 1-09

Request:

Please provide the Company's current assessment of the costs and expected availability (in terms of timing and capacity limitations) of gas supply alternatives for each year 2006-07 through 2011-2012, and explain how those expectations differ, if at all, from the expected costs and availability of gas supply alternatives perceived during the preparation of the Company's August 22, 2006 Long-Range Gas Supply Plan.

Response:

The Company's assessment of the costs and expected availability of gas supply alternatives has not changed since the preparation of the August 22, 2006 Long-Range Gas Supply Plan. We would change our assessment to the extent that we perceived new projects would come on line during the planning period. There is no project to bring pipeline capacity and supply to New England that has regulatory approval and known pricing other than the Tennessee Northeast Connection Expansion Project, in which the Company is participating. The timing of every other major project to add supply to the Northeast is uncertain, at best, with virtually no information available on costs. While several projects have some level of approval, (e.g., Weaver's Cove has been approved by the FERC, the offshore Excelerate project has been approved by the Coast Guard and Canaport has been approved by Canada's Energy Board) none of those projects have all the pieces in place and all require new pipeline capacity and any approvals required to construct it. They also need dedicated LNG supply and may require further State or local permits. It is unclear whether any project, other than the Tennessee project, will achieve operational status within this decade or that the addition of one project will add enough supply to accommodate additional electric load growth or the potential loss of coal based electric production capacity, further increasing reliance on gas.

Prepared by or under the supervision of:
Gary Beland

Data Request DIV 1-10

Request:

Please provide the Company's current assessment of the extent to which the reductions in use per customer reflect a price elasticity response to higher GCR charges and the expected impact price elasticity considerations on future gas estimates of gas use. Also, please endeavor to differentiate that assessment by customer class.

Response:

Please see the Company's response to data request DIV 1-01.

Prepared by or under the supervision of:
Peter Czekanski

Data Request DIV 1-11

Request:

Please document the “long term downward trend” in use per residential heating customer referenced in the Company’s response to data request DIV 1-12 in Docket No. 3766.

Response:

Attached are two documents issued by the American Gas Association that demonstrate and explain the decline in use per customer. The analysis presented is consistent with the experience in Rhode Island. The AGA study begins with 1980 and does not include the significant drop in use per customer which occurred from 1973 to 1980 as a result of the energy crisis and price increases experienced during that period.

Note also that Rhode Island’s codes governing new construction result in an energy use per square foot of less than half of that seen in typical pre 1975 housing. In order to meet the codes, new homes have more insulation, much higher efficiency furnaces and hot water heaters, infiltration barriers and more thermally efficient windows and doors.

Prepared by or under the supervision of:
Gary Beland/Peter Czekanski



American Gas Association

Energy Analysis

POLICY ANALYSIS GROUP
400 N. Capitol St., NW
Washington, DC 20001
www.aga.org

EA 2003-01

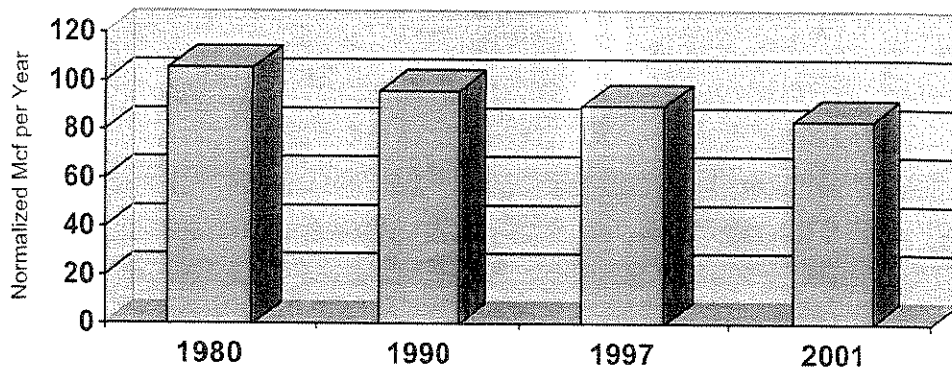
June 16, 2003

PATTERNS IN RESIDENTIAL NATURAL GAS CONSUMPTION, 1997-2001

I. Introduction

This analysis concludes that natural gas use per residential customer dropped by 6.4 percent from 1997 through 2001. This reduction per customer is in addition to a 16 percent reduction observed from 1980 through 1997. Nationally, natural gas use per residential customer was 106 thousand cubic feet (Mcf) per year in 1980, 89 Mcf per year in 1997, and 83 Mcf per year in 2001 (Chart 1). A previous AGA analysis¹ quantified the primary factors contributing to this decline on both a national and a regional basis and those same factors are again analyzed herein for the more recent period. It should be noted that all data in these analyses have been adjusted to reflect normal weather.

Chart 1
Use Per Residential Customer

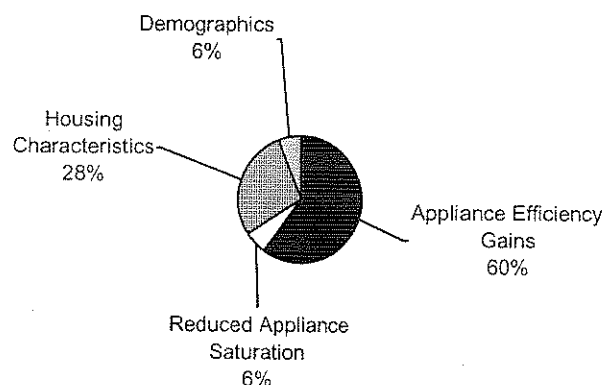


¹ *Patterns in Residential Natural Gas Consumption Since 1980*, American Gas Association, February 2000

II. Executive Summary

Similar to the findings of the previous analysis, the primary cause of the declining use trend was increasing efficiency of gas appliances, predominately space heaters. Other factors include a reduction in the number of gas appliances in homes served with gas and tighter, more energy efficient homes. Chart 2 shows the estimated proportional impact of the various factors contributing to this decline on a national basis.

Chart 2
Factors Contributing to Declining U.S. Natural Gas Use per Residential Customer 1997-2001

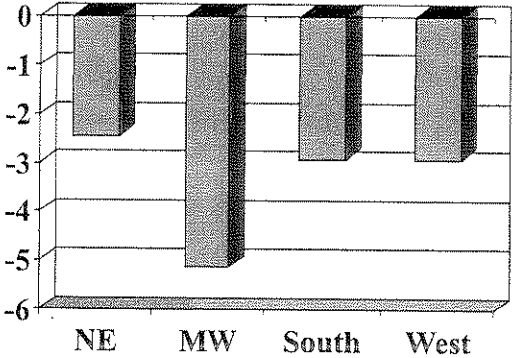


- **Regional variation was observed.** There was a decline in the use per customer in all regions of the country: The Northeast lost 1.74 Mcf/year comparing 1997 to 2001, the South and the West lost 2.17 Mcf/year, and the Midwest 4.31 Mcf/year (Table 1). Graphical representation of some of the factors contributing to these trends can be seen in Chart 3.
- **Space heating efficiency gains** contributed almost half of the residential load loss. In 1997, the average furnace efficiency was estimated to be around 74 percent AFUE, since some furnaces sold before federal regulations set the minimum gas space heating efficiency at 78 percent were still operating. During the study period, some of these less efficient furnaces have been replaced, and by 2001 the current weighted average gas space heating appliance efficiency for all units in place is estimated at roughly 77 percent.
- **Water heating efficiency gains** contributed about 13 percent of the average residential load loss. Federal water heater standards took effect in 1990, setting the minimum gas water heater energy factor (EF) at 0.54, compared to the then-typical 0.5 EF. In addition, consumers are purchasing units with EF ratings higher than 0.54. The 1997 weighted average gas water heating EF is estimated to be slightly less than 0.53, compared to 0.55 in 2001.

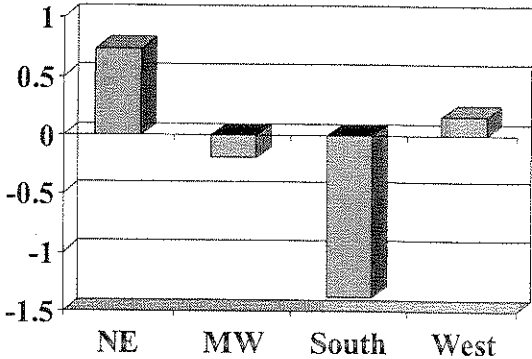
Chart 3 Regional Impact of Major Factors

(Change in Mcf/year per residential customer, 1997 - 2001)

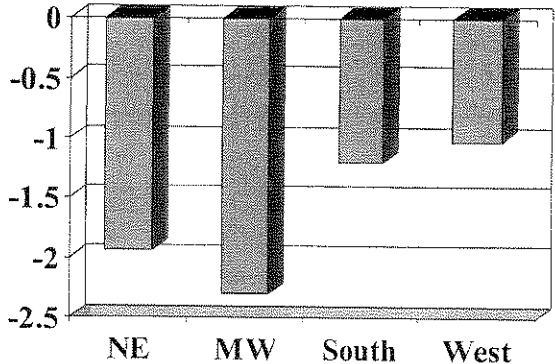
Appliance Efficiency



Appliance Saturation



Housing Characteristics



Note: Contributing factors are calculated independently and may not total to actual change

- **Space heating market share loss** accounted for about two percent of the overall decrease in gas use per residential customer. The proportion of homes with gas service increased since 1997, but the percentage of those gas homes with gas space heat declined slightly. Thus the relative heating base of gas utilities declined.
 - The market share loss in the Midwest and South was two to nine times as great as the national average. In the Northeast and West, however, there was an increase in space heating gas market share (see Chart 2).
- **Baseload appliance market share loss** accounted for about four percent of the residential load loss experienced from 1997-2001. Overall, the number of gas appliances per customer has declined. The market share loss for water heaters, cooking appliances, clothes dryers was relatively small, while gas light market share losses were somewhat higher.
- **Improved home energy efficiency** was responsible for about 29 percent of the decline. Newer homes with improved thermal envelope characteristics, as well as older homes adding insulation and storm windows/doors, reduced the typical amount of gas needed for space heating.
- **Demographic changes** contributed about six percent of the decline in typical residential gas use. Population shifts of gas customers to warmer climates since 1997 accounted for this decline when viewed from a national perspective. Previously quantified factors such as average number of people per residence and number of households setting back their thermostats at night did not change over the study period.

III. Purpose and Data Limitations

This report attempts to provide a broad-based identification and quantification of factors that impacted the average annual natural gas use per residential customer from 1997 to 2001. Most natural gas distribution utilities experienced a slower growth rate in residential demand compared to the growth rate in the number of residential customers during that time period. This trend makes it more difficult for gas companies to achieve expected revenues and to connect new customers economically. This analysis is intended to help companies understand the driving forces behind the declining use trend by updating the previous study.

The results herein estimate the overall impacts of several contributing factors based on national and regional data. Analysis of utility-specific factors could result in conclusions different from those in this report. Individual companies should use this report as a guide in calculating their specific impacts, and they should include factors and influences pertinent to their systems that may not be considered and/or quantified here.

These contributing factors were examined separately. Some of them may have synergistic properties that compound or offset impacts when considered together. The quantification of these factors is not an attempt to determine absolute values for each influence, but rather to indicate the proportional impact that they have on residential use per customer.

Much of the data used in this analysis come from government and AGA surveys. While this information is the best available for national and regional analysis, survey sampling, structure, and/or extrapolation techniques can be flawed, particularly when ascribing results to smaller populations such as states and jurisdictions.

IV. Overview

A previous AGA analysis calculated that normalized use per residential customer declined 16 percent from 1980 to 1997. Since that time, several gas distribution companies have noted a continuation of this trend, with a number of utilities experiencing higher than expected levels of conservation. This analysis updates the previous report, examining the 1997-2001 time frame.

This analysis shows that residential customers are continuing their efforts to reduce natural gas consumption. On a national average basis, natural gas use per residential customer dropped 6.4 percent from 1997 to 2001, from 89.2 Mcf/year to 83.5 Mcf/year. On a regional basis, these impacts varied. For the Northeast, the average gas use per customer decreased about three percent. Residential gas use per customer dropped eight percent for the Midwest, six percent for the South, and four percent for the West.

Table 1
Trends in Residential Natural Gas Use
 (Weather Normalized Mcf/Customer/Year)

	1997	2001	Change, 1997-2001
United States	89.2	83.5	-6.4
Northeast	97.1	94.3	-2.9
Midwest	116.4	107.0	-8.1
South	70.2	66.8	-6.2
West	68.3	65.0	-4.2

Residential gas use can be classified as space heating and non-heating. On average, space heating demand accounts for three-quarters of typical gas consumption by residential customers. This demand is very weather sensitive, with use per customer higher in the colder climates than in the warmer regions.

Residential non-heating use of gas is also known as baseload use. This use is typically not very weather sensitive. The primary residential baseload use is for water heating, which accounts for about 86 percent of non-heating demand, based on national

averages. The other two primary residential gas appliances are cooking equipment and clothes dryers. Natural gas logs/fireplaces are increasing their market share, and can be used for heating or decorative purposes. Appliances that could also be considered baseload, but have a much lower market penetration, are gas lights, pool heaters, and grills.

V. Contributing Factors

Appliance Efficiency

In response to the energy disruptions of the 1970s, Congress passed the Energy Policy and Conservation Act (EPCA) of 1975. EPCA established an energy conservation program for major household appliances including furnaces, water heaters, refrigerators and freezers, central air conditioners and central air conditioning heat pumps, room air conditioners, dishwashers, clothes washers, clothes dryers, direct heating equipment, pool heaters, kitchen ranges and ovens, fluorescent lamp ballasts, and television sets. The Energy Policy and Conservation Act (EPACT) of 1978 expanded the coverage of EPCA to include commercial building heating and air conditioning equipment, water heaters, certain incandescent and fluorescent lamps, distribution transformers, and electric motors. In 1987, the National Appliance Energy Conservation Act (NAECA), which also incorporates EPCA and EPACT, authorizes the U. S. Department of Energy (DOE) to set energy efficiency standards for major home appliances according to a statutory time schedule stretching into the next century.

DOE's Office of Codes and Standards sets the minimum efficiency ratings of many residential appliances. DOE has set standards for such natural gas appliances as space heaters, water heaters, ovens, and ranges.

Furnaces

During the 1970's natural gas furnaces averaged about 65 percent annual fuel utilization efficiency (AFUE). As interest in more energy efficient appliances increased, the average AFUE for new furnaces increased. DOE, through authority granted by NAECA, set 78 percent AFUE as a minimum for gas furnaces manufactured after January 1, 1992. Furnaces with AFUE ratings up to the mid-90's are available to consumers, and the average AFUE of new residential furnace shipments is currently in the mid-eighties. As the higher efficiency furnaces have worked their way into the residential market in new homes and replacement units, the average AFUE for all residential natural gas furnaces has increased from 65 percent in 1980 to 74 percent in 1997, and to 77 percent by 2001.

Table 2
Residential Natural Gas Furnace Average AFUE
(Percent)

	1980	1997	2001
New Furnace Shipments	66%	85%	86%
All Furnaces In Place	65%	74%	77%

Source for shipment information: Gas Appliance Manufacturers Association

Improvement in overall furnace efficiency caused gas space heating use per customer to fall four percent. However, the impact in terms of sales volume varied by region due to the weather differences. Overall, use per residential customer dropped

about 2.7 thousand cubic feet (Mcf) per year from 1997 to 2001, with regional impacts ranging from 1.7 Mcf in the Northeast to 4.3 Mcf in the Midwest, due to the improved furnace efficiency.

Table 3
Impact of Gas Space Heating Efficiency Gains on Use per Customer
 (Weather-normalized Mcf/year)

	Weighted Average Use per Customer	Reduction in Weighted Average Use per Customer
	1997	2001
United States	61.2	2.7
Northeast	69.8	1.7
Midwest	87.2	4.3
South	44.5	2.2
West	39.1	2.2

Weighted average use per customer = typical use per appliance times the percent of customers with that appliance
Note: Assumes national average furnace efficiency for all regions.

Water Heaters

DOE set the minimum efficiency of natural gas water heater at 0.54 energy factor (EF) for units manufactured after 1989. Starting in 2004, the minimum efficiency will rise to 0.59 EF. Previously, water heaters averaged about 0.5 EF. Industry analysts estimated that the availability of even higher efficiency units raised the average EF of new units sold to 0.57 by the 2001. Based on shipment data and typical retirement rates, the average EF of water heaters went from 0.53 in 1997 to 0.55 in 2001.

Table 4
Residential Natural Gas Water Heater Average EF
 (Percent)

	1980	1997	2001
New Water Heater Shipments	50%	53%	57%
All Water Heaters In Place	50%	53%	55%

Since the average water heater EF improved slightly less than four percent from 1997, the typical consumption by residential customers that have water heaters declined in the same proportion. The average decline was 0.8 Mcf per customer, with regions not varying much from that average.

Table 5
Impact of Gas Water Heating Efficiency Gains on Use per Customer
(Mcf/year)

	Weighted Average Use per Customer	Reduction in Weighted Average Use per Customer
	1997	2001
United States	23.9	0.8
Northeast	22.3	0.7
Midwest	25.6	0.8
South	23.5	0.8
West	23.3	0.8

Weighted average use per customer = typical use per appliance times the percent of customers with that appliance

Appliance Saturation

The most common natural gas appliances found in homes are space heaters, water heaters, cooking equipment, clothes dryers, and, to a lesser extent, outdoor lights. All of these applications face competition from other energy forms, particularly electricity. Since 1997 the average number of gas appliances found in homes has dropped. This trend, discussed below, contributes to the decline in gas use per residential customer.

Space Heaters

The percentage of gas customers that use natural gas as their main space heating fuel declined by 0.2 percentage points over the four year period. Regionally, the Northeast and West regions saw an increase in this market penetration among its customers. The Midwest loss mirrored the national average. The South region exhibited significant declines in the proportion of their customers that use gas for their main space heating fuel. A primary contributing factor to this decline is the increasing popularity of the heat pump during this time. Not only did heat pumps make significant inroads into new construction (particularly in multi-family housing), electric utilities encouraged existing gas customers to add on heat pumps and use their gas furnaces as back-up systems.

Table 6
Natural Gas Space Heating Appliance Market Penetration
(Percent of all gas customers)

	1997	2001
United States	84.4%	84.2%
Northeast	71.7%	72.8%
Midwest	93.8%	93.5%
South	83.9%	81.5%
West	84.1%	85.0%

Source: American Housing Survey, Bureau of the Census, various years

Since the overall change for gas space heating market penetration was not substantial, it caused a decrease in heating use of less than one percent for the average U.S. gas customer. This was also true for the typical Midwest gas customer. The Northeast gas utilities experienced a gain of more than 1.1 percent in heating use per

customer due to increased market penetration for space heating. The West region experienced increasing space heating demand per customer of one percent due to the increase in market penetration. The South region's use per customer decreased 2.5 percent due to reduced space heating penetration.

Table 7
Impact of Gas Space Heating Market Penetration on Use per Customer
 (Mcf/year)

	Weighted Average Space Heating Use per Customer	Change in Weighted Average Space Heating Use per Customer
	1997	2001
United States	61.2	-0.1
Northeast	69.8	+0.8
Midwest	87.2	-0.2
South	44.5	-1.1
West	39.1	+0.4

Weighted average use per customer = typical use per appliance times the percent of customers with that appliance

Water Heaters

Water heaters contribute significantly to a utility's load profile. Demand by these appliances is relatively non-weather sensitive, allowing for optimal utilization of utility investment. Also, these appliances can use as much gas as a furnace in some regions. Therefore, any loss in market penetration or improvements in efficiency will impact noticeably on average use per customer.

In most areas, market penetration of gas water heaters changed marginally between 1997 and 2001. Overall, penetration declined slightly. Regionally, the Northeast's, South's and West's market penetration decreased, with the Midwest increasing somewhat.

Table 8
Natural Gas Water Heater Market Penetration
 (Percent of all gas customers)

	1997	2001
United States	84.2%	84.0%
Northeast	77.9%	77.8%
Midwest	86.2%	86.6%
South	79.0%	78.3%
West	91.9%	91.2%

Source: American Housing Survey, Bureau of the Census, various years

When the proportion of gas customers with gas water heaters declines, the weighted average gas use per customer declines. For example, the national average penetration of water heaters fell 0.2 percentage points from 1997 to 2001, resulting in a decline in overall gas use per customer of 0.05 Mcf/year. The South and West regions' losses averaged about 0.16 Mcf/year, while the Northeast region loss was minor, 0.02

Mcf/year. Conversely, a slight increase in penetration in the Midwest led to a 0.1 Mcf/year increase.

Table 9
Impact of Gas Water Heater Market Penetration on Use per Customer
 (Mcf/year)

	Weighted Average Water Heating Use per Customer	Change in Weighted Average Water Heating Use per Customer
	1997	2001
United States	22.7	-0.05
Northeast	19.9	-0.02
Midwest	22.2	+0.10
South	20.4	-0.17
West	23.7	-0.16

Weighted average use per customer = typical use per appliance times the percent of customers with that appliance

Cooking

The percentage of gas customers that cook with gas declined in all regions but the West, due to electric products dominating the new home market, even those homes with gas service, as well as replacing old gas units. Nationally, cooking market penetration for gas customers fell 2.6 percent, with the Northeast falling 1.3 percent, the Midwest 5.0 percent, and the South 4.0 percent. The West increased slightly.

Table 10
Natural Gas Cooking Appliance Market Penetration
 (Percent of all gas customers)

	1997	2001
United States	58.6%	57.1%
Northeast	77.2%	76.2%
Midwest	52.4%	49.8%
South	53.0%	50.9%
West	56.6%	56.8%

Source: American Housing Survey, Bureau of the Census, various years

Despite the significance of the decline for gas cooking penetration, the resulting impact is relatively small. This is due to the smaller proportion of gas customers with this appliance combined with the modest annual energy consumption from these units. For all regions, the change amounted to less than 0.11 Mcf annually.

Table 11
Impact of Gas Cooking Market Penetration on Use per Customer
(Mcf/year)

	Weighted Average Cooking Use per Customer	Change in Weighted Average Cooking Use per Customer
	1997	2001
United States	2.5	-0.06
Northeast	3.2	-0.04
Midwest	2.2	-0.11
South	2.2	-0.09
West	2.4	+0.01

Weighted average use per customer = typical use per appliance times the percent of customers with that appliance

Clothes Dryers

Penetration of gas dryers increased slightly in all regions but the South (four percent decline) from 1997 to 2001, ranging from one percent in the Northeast to six percent in the West.

Table 12
Natural Gas Clothes Dryer Market Penetration
(Percent of all gas customers)

	1997	2001
United States	27.0%	27.5%
Northeast	29.4%	29.7%
Midwest	32.6%	33.4%
South	16.0%	15.4%
West	29.0%	30.7%

Source: American Housing Survey, Bureau of the Census, various years

These changes in penetration for gas clothes dryers resulted in marginal changes in typical use per customer, less than one-tenth Mcf in the regions.

Table 13
Impact of Gas Drying Market Penetration on Use per Customer
(Mcf/year)

	Weighted Average Drying Use per Customer	Change in Weighted Average Drying Use per Customer
	1997	2001
United States	1.1	+0.02
Northeast	1.3	+0.01
Midwest	1.3	+0.03
South	0.7	-0.03
West	1.3	+0.07

Weighted average use per customer = typical use per appliance times the percent of customers with that appliance

Outdoor Gas Lights

Natural gas lights were somewhat popular with customers through the mid-1970s. During the turmoil in the energy markets in the late-70s, President Carter encouraged people to turn their gas lights off or convert them to electricity. Since that time, their market share for gas customers fell significantly. The decline continued from 1997 (1.5 percent market penetration among gas customers) through 2001 (0.8 percent). Assuming typical gas light usage of 19 Mcf per year, the decline in market share caused the weighted average gas use per residential customer to decline about one-tenth Mcf per year on a national average. No data were available for regional comparisons.

Housing Characteristics

Thermal Efficiency

Homes across the country have become more energy efficient due, in part, to the improved thermal efficiency of the building envelope. New homes, which must meet local regulations implemented over the last two decades regarding thermal efficiency, account for most of this improvement. In addition, many homeowners have retrofitted older residences in order to cut their energy bills.

According to estimates from the U. S. Department of Energy's Energy Information Administration,² the average residential building was three percent more efficient in 2001 compared to the 1997 average. This improvement in thermal efficiency reduced the heating demand from the residential sector. Overall, typical consumption decreased by about 1.6 Mcf nationally. Regionally, the decrease in weighted average gas use per customer ranged from about one Mcf in the West to more than two Mcf in the West.

Table 14
Impact of Improving Home Thermal Efficiency on Gas Demand
(Decrease in Mcf per Residential Customer per Year)

United States	1.63
Northeast	1.94
Midwest	2.30
South	1.20
West	1.02

Other

Geographic Population Shifts

From 1997 to 2001, population growth, and subsequently gas customer growth, was greater in the warmer regions (South and West) than in the colder regions (Northeast and Midwest). About 51 percent of the residential gas customers were in the warmer Southern and Western sections of the country in 1997, compared to 52 percent in 2001. With more of the households in warmer climates, the average heating demand,

² Annual Energy Outlook, Energy Information Administration, various years.

on a national basis, declined. This larger percentage of gas customers in warmer climates resulted in overall use per gas customer falling about 0.33 Mcf on a national basis. This factor does not impact typical regional use per gas customer.

Table 15
Regional Natural Gas Customer Population Trends
 (Percent of all gas customers)

	1997	2001
United States	100.0%	100.0%
Northeast	19.2%	18.9%
Midwest	29.7%	28.9%
South	26.9%	28.0%
West	24.2%	24.3%

Source: *RECS: Housing Characteristics*, Energy Information Administration, U.S. Dept. of Energy, various years.

Other Factors

Several factors did not change substantially between 1997 and 2001, and therefore should not have measurably impacted use per customer. The table below shows national factors for such items as thermostat settings for each of the years.

Table 16
Natural Gas Customer Characteristics

	1997	2001
Age of Home	33.1 years	34.6 years
Age of Furnace	13.8 years	13.6 years
Avg. Winter Day Temp	70.2 degrees	70.2 degrees
Avg. Winter Night Temp	67.8 degrees	68.0 degrees
Setback Temp Day	45% do	49% do
Setback Temp Night	47% do	47% do
Avg. Persons per Home	2.64	2.61

Source: *RECS: Housing Characteristics*, Energy Information Administration, U.S. Dept. of Energy, various years.

Other Factors Not Quantified

Other factors could have an impact on residential natural gas use, but were not quantified here, primarily due to lack of data. For the most part, these should have impacts less than most of those factors listed above. Some of these factors include:

Water Conservation – Low flow showerheads and increasingly efficient dishwashers and washing machines have decreased the amount of hot water needed per residence.

Economic Influences – Changes in the price of natural gas and in the general economic condition of the general population influence consumption.

Environmental Regulations – Restrictions on certain combustion practices, such as wood fireplaces, may impact consumer purchases of gas products.

Gas Hearth Products – Gas fireplace/logs have become more popular over the past few years, but it is not clear whether these units actually add to load. Some units could displace gas furnace requirements.

Unoccupied/Seasonal Homes – The rise in second home ownership combined with increasing vacancy rates for rental homes could reduce overall use per customer.

VI. National & Regional Summaries

Table 17 summarizes the factors contributing to the decline in use per residential customer. The sum of the estimated factors closely approximates the observed decline for the United States. Regional comparisons do not provide as close a fit. Keep in mind that this report provides a broad-based assessment to the factors contributing to the decline in order to provide an understanding of the relative impact from each of these factors. This report does not attempt to provide precise measures of these factors due to limitations in the data.

Table 17
Summary of Factor Quantification and Comparison to Actual Decline
 (Change in use per residential customer, 1997-2001 Mcf/year)

	U.S	NE	MW	South	West
Space Heating Efficiency	-2.68	-1.74	-4.31	-2.17	-2.17
Baseload Appliance Efficiency	-0.77	-0.71	-0.82	-0.75	-0.75
Space Heating Market Penetration	-0.12	+0.79	-0.22	-1.09	+0.38
Baseload Appliance Market Penetration	-0.22	-0.05	+0.03	-0.29	-0.08
Thermal Efficiency Gains	-1.63	-1.94	-2.30	-1.20	-1.02
Population Trends	-0.33	N/A	N/A	N/A	N/A
Total	-5.75	-3.65	-7.62	-5.50	-3.64
Actual Change	-5.71	-2.83	-9.39	-4.40	-2.86
Difference**	-0.04	-0.82	1.77	-1.10	-0.78

** Can be due to a variety of factors, including data error, omission of other factors, and imprecise methodology

IX. Methodology

Normalized Use Per Customer

- Calculate actual use per residential customer from EIA data³
- Determine heating portion of use based on AGA survey data⁴
- Determine weather normalization factor by dividing the 30-year (1961-1990) normal heating degree days into the actual degree days, based on NOAA data⁵
- Divide heating portion by weather normalization factor, and add back in non-heating load

³ Natural Gas Annual, various years, Energy Information Administration, U.S. Department of Energy, Washington, DC.

⁴ Residential Natural Gas Market Survey, various years, American Gas Association, Washington, DC.

⁵ State, Regional, and National Monthly and Seasonal Heating Degree Days, various years, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Washington, DC.

Average Space Heating AFUE

- Assume 65% AFUE as standard in 1980 and all retirements are those units
- Estimate new construction units by subtracting previous year's gas space heating customers from current year's, based on trend analysis of EIA RECS data⁶
- Calculate replacement units by subtracting new construction units from total shipments based on GAMA data⁷
- Eliminate the retired units from the inventory, and add in the new units, calculating the revised weighted average furnace AFUE for all existing units based on average AFUE of shipments as provided by GAMA

Space Heating Efficiency Impact

- Calculate average use per customer by multiplying the normalized heating load by the percent of gas customers with gas space heating (based on EIA RECS data)
- Calculate change in average furnace AFUE by dividing 1997 AFUE value into the selected year's AFUE value
- Calculate the efficiency-adjusted demand by dividing the 1997 average use per customer by the change in average furnace AFUE for the selected year
- Subtract the efficiency-adjusted demand from the 1997 average use per customer to determine impact

Average Water Heating EF

- Assume 0.50 EF as standard in 1980 and all retirements are those units
- Estimate new construction units by subtracting previous year's gas water heating customers from current year's, based on trend analysis of EIA RECS data
- Calculate replacement units by subtracting new construction units from total shipments based on GAMA data
- Eliminate the retired units from the inventory, and add in the new units, calculating the revised weighted average furnace EF for all existing units based on average EF of shipments estimated at 0.54 EF to 0.56 EF

Water Heating Efficiency Impact

- Calculate average use per customer by multiplying the water heating load (based on AGA survey data) by the percent of gas customers with gas water heating (based on EIA RECS data)
- Calculate change in average EF by dividing 1997 EF value into the selected year's EF value
- Calculate the efficiency-adjusted demand by dividing the 1997 average use per customer by the change in average water heater EF for the selected year
- Subtract the efficiency-adjusted demand from the 1997 average use per customer to determine impact

⁶ RECS: Housing Characteristics, various years, Energy Information Administration, U. S. Department of Energy, Washington, DC.

⁷ GAMA News, various years, Gas Appliance Manufacturers Association, Arlington, VA.

Appliance Market Penetration Impact

- Calculate appliance penetration by dividing the number of residences with gas service by the number of customers with that appliance, based on EIA RECS data
- Subtract the impact year penetration from the 1997 penetration to determine the change in market penetration
- Calculate the weighted average gas use per customer for that appliance by multiplying the penetration value times the typical gas use for that appliance
- Multiply the change in market penetration by the 1997 weighted average use of that appliance to determine the reduction in weighted average use per customer for that appliance

Thermal Efficiency Impact

- Obtain an estimate of average percent increase thermal home efficiency enhancements from current and past EIA forecasts⁸
- Multiply the thermal efficiency percent increase by the percent difference in heating load and by the percent of gas homes with gas space heating to determine the thermal efficiency impacts

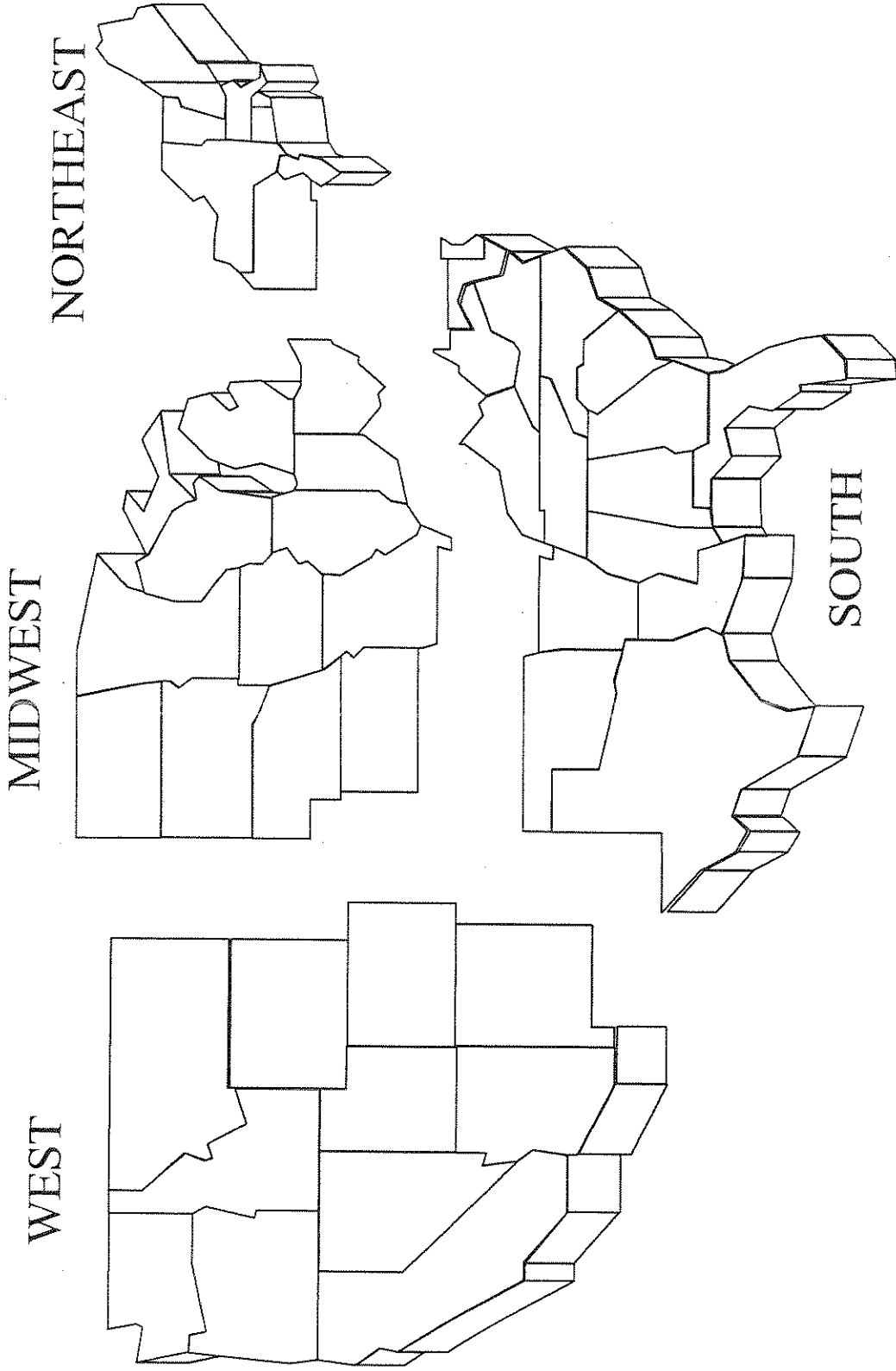
Population Shift Impact

- Determine the percent of gas customers by region for 1997 and 2001 from EIA RECS data
- Determine the normalized heating demand for those regions in 1997 based on AGA survey data
- Apply those same regional demand figures to the 2001 regional population distribution, calculate the weighted average national numbers for both, and compare the two numbers

⁸ *Annual Energy Outlook*, various years, Energy Information Administration, Washington, DC.

Appendix

US Census Regions





American Gas Association

Energy Analysis

POLICY ANALYSIS GROUP
400 N. Capitol St., NW
Washington, DC 20001
www.aga.org

EA 2004-04

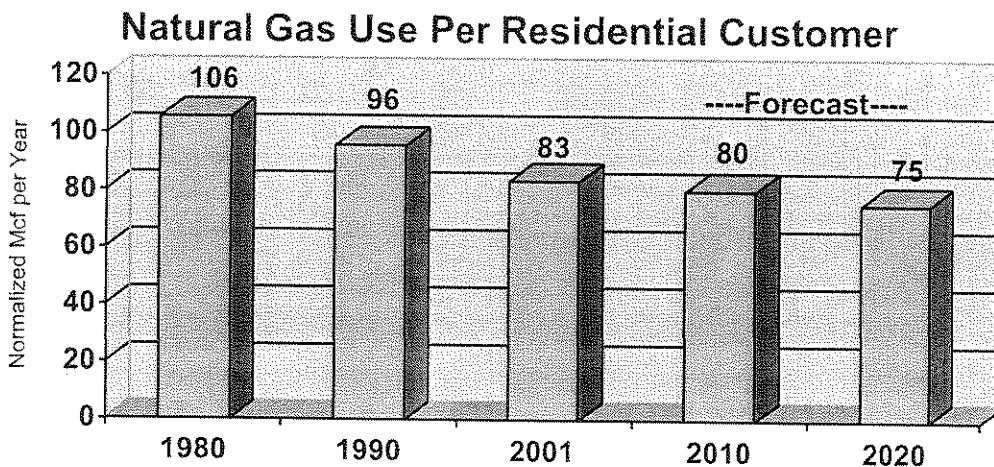
September 21, 2004

FORECASTED PATTERNS IN RESIDENTIAL NATURAL GAS CONSUMPTION, 2001-2020

I. Executive Summary

This analysis estimates that the trend of declining use per residential natural gas customer will continue through 2020, although at a slower pace than experienced in the past two decades. Natural gas use per residential customer is projected to drop by 10 percent from 2001 through 2020. The rate of this decline is almost half that experienced in the past two decades. On average, natural gas use per residential customer has been declining by about one percent per year since 1980, but the forecasted rate through 2020 is 0.5 percent annually. Nationally, natural gas use per residential customer was 106 thousand cubic feet (Mcf) per year in 1980 and 83 Mcf per year in 2001 (Chart 1)¹. This analysis estimates that use per residential customer will drop to 80 Mcf per year by 2010 and to 75 Mcf per year by 2020. It should be noted that all data have been adjusted to reflect normal weather.

Chart 1



¹ Patterns in Residential Natural Gas Consumption, 1980-2001, American Gas Association, May 28, 2004

Two factors will tend to moderate the rate of this decline in use per customer:

- **Relatively modest furnace efficiency gains** -- While average furnace efficiency will continue to improve, the rate of improvement will slow down as most of the older, less efficient units have already been replaced.
- **Larger homes** -- The typical home is expected to have five percent more floor space than the existing housing stock in the coming decades, which will increase the heating load.

II. Introduction & Methodology

Two previous studies² analyzed the historic trends in normalized residential gas use per customer from 1980 through 2001. Overall, the use per customer dropped 21 percent during those 21 years, caused mainly by enhanced appliance efficiency, and, to a lesser extent, tighter, more energy efficient home construction. This analysis estimates the future trends through 2020 in residential natural gas use per customer.

The calculations are based on data from the most recent energy forecast³ by the U.S. Energy Information Administration (EIA). EIA forecasts the:

- Number of gas space heaters, water heaters, clothes dryers, and cooking appliances in use by year;
- Average annual consumption of each of those appliances – other applications such as gas hearth products and lights are summed into an “other” category;
- Average annual ratings of home thermal efficiency, furnace efficiency, and water heater efficiency; and,
- Average square footage for homes per year, both new construction and total market.

This analysis is based on the above estimates and the resultant calculations of future use per customer. The following methodologies were employed:

- Estimated use per appliance – EIA’s total number of appliances divided by their total consumption for that application.
- Estimated number of gas customers – EIA’s incremental count of gas water heaters (the fastest growing end-use application) was added to the known 2001 customers base.
- Estimated gas appliance saturation – EIA’s projected number of appliances for each end use was divided by the estimated number of gas customers.
- Estimated use per customer – Estimated gas appliance saturation times estimated use per appliance. The results for each appliance and EIA’s estimate

² Patterns in Residential Natural Gas Consumption Since 1980, American Gas Association, February 2000, and Patterns in Residential Natural Gas Consumption 1997-2001, American Gas Association, June 2003

³ Annual Energy Outlook 2004 with Projections to 2025, Energy Information Administration, Department of Energy, January 2004 <http://www.eia.doe.gov/oiaf/aeo/index.html>

of consumption by other gas applications were summed to forecast total use per customer.

A variety of factors affect use per customer, such as appliance efficiency, appliance saturation, and housing size. The following methodologies were employed to calculate these impacts:

- Furnace efficiency – These calculations incorporated EIA’s forecasts for average annual efficiency and the gas load methodology set forth in the Gas Appliance Manufacturers Association’s Directory⁴.
- House size – The impact of increasing house sizes on heating load was estimated through a simulation program developed by Columbia Gas⁵.
- Water heater efficiency – All changes in use per water heater as estimated by EIA were assumed to be due to efficiency changes.
- Appliance saturation – This impact was calculated by dividing the appliance use per customer by the change in the average market share of that appliance for all gas customers.

III. Overview

This analysis estimates that the trend of declining use per residential natural gas customer will continue through 2020, but at a slower pace than experienced in the past two decades. The average annual decline from 1980 through 2001 was 1.1 percent, roughly twice the rate expected for the forecast period of 0.54 percent. Table 1 illustrates the decline rates by period.

**Table 1
Use Per Customer and Decline Rates**

Year	Normalized Use Per Customer (Mcf/yr)	Average Annual Decline Rate From Previous Date
1980	105.6	N/A
1990	95.8	0.97%
2001	83.5	1.24%
2010	80.1	0.46%
2020	75.4	0.67%

Residential natural gas use can be segmented into space heating and baseload applications. On average, space-heating demand accounts for three-quarters of residential gas consumption. This demand is very weather sensitive, with use per customer higher in the colder climates than in the warmer regions.

Baseload gas use is typically not weather sensitive. On average, water heaters account for 86 percent of baseload use. The other two primary residential gas applications are cooking and clothes drying. Natural gas logs/fireplaces are increasing in market share, and can be used for heating or decorative purposes. Appliances that

⁴ Consumers’ Directory of Certified Efficiency Ratings for Residential Heating and Water Heating Equipment, Gas Appliance Manufacturers Association, Arlington, VA

⁵ *Energy Help for the Home*, Columbia Energy software

could also be considered baseload, but have a much lower market penetration, are gas lights, pool heaters, and outdoor grills.

IV. Examination of Contributing Factors

A number of factors contribute to declining use per customer. This analysis examines appliance efficiency, appliance penetration, thermal efficiency for home construction, and average home size. Table 2 presents the expected impacts of these factors.

Table 2
Impact of Contributing Factors on Use per Customer, 2001-2020
(Mcf/yr)

Appliance Efficiency	-5.97
Appliance Penetration	-2.12
Thermal Efficiency	-2.28
Home Size	2.37
Total	-8.01

Appliance Efficiency

According to the EIA forecast, the average furnace efficiency for residences will improve from 79.2 percent AFUE in 2001 to 84.1 percent in 2020. This improvement is expected to result in a decrease of 2.5 Mcf/year in normalized use per customer. This is substantially less than the decrease of 10.4 Mcf/year experienced from 1980 through 2001. The historical decrease is much higher because the actual improvement in appliance efficiency was much greater (22 percent) than the anticipated improvement (6 percent). The future improvements in overall furnace efficiency are limited because:

- Most homes have furnaces that meet or exceed federal minimum efficiency standards, leaving little room for significant improvement
- Improvement in furnace efficiency is limited by current technology and economics – traditional furnaces cannot exceed 82 percent AFUE, and condensing furnaces can achieve AFUEs in the low- to mid-ninety percent range
- Condensing furnaces are not economically feasible in many parts of the country – only cold weather areas create sufficient savings to pay back the additional cost of these more efficient furnaces

The EIA forecast calls for the in-place stock of water heaters to improve in efficiency from 0.55 energy factor (EF) in 2001 to 0.59 EF in 2020. This will result in a decrease of 3.5 Mcf/year. This impact is similar to the historical change from 1980 to 2001 when the water heaters average went from 0.50 EF to 0.55 EF.

The use per appliance for cooking and clothes drying applications are expected to be relatively stable, as no real efficiency gains are envisioned for these appliances.

Appliance Penetration

EIA estimates the number of gas appliances in use each year. Their forecast envisions that the number of water heaters will increase more than other gas appliances, eventually outnumbering the number of gas space heating appliances (Table 3). This will result in a lower percentage of gas customers that use gas for space heating, decreasing the average use per customer.

Table 3
Number of Residential Natural Gas Appliances in Use
(Millions)

	2001	2010	2020
Space Heating	60.0	66.7	74.0
Water Heating	59.1	67.3	76.1
Cooking	38.0	41.5	45.9
Drying	17.0	21.6	26.8

Source: Annual Energy Outlook 2004 with Projections to 2025, Energy Information Administration

While most of the decrease in use per customer derives from lower gas space heating penetration for natural gas customers, the percentage of gas customers that cook with gas is expected to decrease as well. Since the use per appliance for cooking is relatively small, this impact is minimal.

The percentage of gas customers that use gas for water heating and clothes drying is expected to increase, helping to offset the declines from reduced penetration of gas space heating and cooking applications. In total, the net effect of future appliance penetration is negative (-2.1 Mcf/yr by 2020).

Household Thermal Efficiency

Homes are expected to continue to improve in overall thermal efficiency, as newer, more insulated homes replace older units and as existing homes upgrade insulation, windows, and doors. EIA assigns a rating for both existing and new construction thermal efficiency. Existing homes in 2001 are rated at 1.00, and this index decreases as the average home becomes more efficient (Table 4). By 2020, the thermal efficiency rating for all homes is forecast to be seven percent better than the 2001 rating.

Table 4
Estimate of Home Thermal Efficiency

	2001	2010	2020
Existing Homes	1.00	0.98	0.97
New Construction	N/A	0.81	0.80
All Homes	1.00	0.96	0.93

Source: Annual Energy Outlook 2004 with Projections to 2025, Energy Information Administration

The amount of natural gas needed to heat homes decreases as the average thermal efficiency improves. By 2020, gas demand per customer could decrease by 2.3 Mcf per year due to thermal efficiency improvements.

Household Square Footage

EIA forecasts that the average home's square footage will increase as larger, new homes are built and additions are incorporated into existing homes. From a base of 1,684 square feet in 2001, the average home is expected to increase to 1,731 square feet in 2010 and to 1,771 square feet by 2020. This increase in average floor space could increase use per customer by 2.4 Mcf/year by 2020.

Data Request DIV 1-12

Request:

Please assess and provide analyses to document the changes in weather normalized gas use per customer for the Company's small C&I customers over the past five years.

Response:

The current rate classes were established on a statewide basis in July 2002 as part of consolidating the former ProvGas and Valley Resources rate structure and tariffs and hence, data prior to that time is not available. A summary of the customers in the small C&I rate class and their average usage since July 2002 is as follows:

	12-month ended			
	<u>Jun-03</u>	<u>Jun-04</u>	<u>Jun-05</u>	<u>Jun-06</u>
Average # Customers	18,366	18,169	17,751	17,820
Average Actual Dth per Customer	167	151	138	125
Average Normal Dth per Customer	152	145	131	129

The weather normalization of usage is based on a ten-year normal of 5,463 degree days (5,492 in 2004 to account for the leap year). The normalized average use per customer is calculated on a month-by-month basis using the actual heat use per degree day in that month multiplied by the normal degree days in that month to calculate the heat sensitive load. The base load is added to arrive at the normalized usage. Monthly calculations are provided on the attached worksheets.

Prepared by or under the supervision of:
Peter Czekanski

National Grid - Gas Service
Customers and Thru-put: Actual per Classified Sales

F:\prichard\3789 - Long Range Supply Plan\Data Request\December 7, 2006\Attachment-DIV 1-12-Small C-1.xls\Monthly

	Jul-02	Aug-02	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	
C&I Small - Actual													
Customers	18,009	17,996	17,962	18,108	18,350	18,581	18,705	18,743	18,705	18,529	18,418	18,280	220,386
Actual dth	41,152	54,123	51,543	69,531	195,284	392,352	507,803	619,212	541,707	318,694	184,190	87,166	3,062,757
Average use/customer/mth	2.29	3.01	2.87	3.84	10.64	21.12	27.15	33.04	28.96	17.20	10.00	4.77	13.90
Normalization													167
Base Use Per Day Per Customer													12 mth avg use / cust
Jul/Aug	0.086	0.095	0.086										
Aug/Sep													
Lower Base													
# Billing Days	29.7	32.0	29.7	30.3	31.0	29.7	32.4	29.4	29.4	29.5	31.0	30.2	364.0
# Days	31.0	31.0	30.0	31.0	30.0	31.0	31.0	28.0	31.0	30.0	31.0	30.0	365.0
Base Use (Dth)	41,152	49,171	45,568	46,897	48,569	47,138	51,794	47,091	46,996	46,704	48,749	47,193	567,022
Actual Heat Use (Dth)	0	4,952	5,976	22,635	146,714	345,214	456,009	572,121	494,711	271,990	135,441	39,973	2,495,735
Normal Heat Use - 5.463 DD/yr													
Normal Billing Days	30.5	31.0	30.5	30.5	30.5	30.5	31.0	29.5	29.5	30.5	30.5	30.5	365
Actual Billing Deg Days	21	0	8	152	570	854	1,089	1,168	1,029	658	401	192	6,140
Normal Billing Deg Days	9	1	26	219	494	727	1,046	1,019	857	604	349	112	5,461
Colder(Warmer)	12	(1)	(18)	(67)	76	126	42	149	172	54	52	80	678
Actual Heat Use (Dth) / customer / DD	0.0000	0.0000	0.0434	0.0082	0.0140	0.0218	0.0224	0.0261	0.0257	0.0223	0.0183	0.0114	0.0018
Normal Heat Use Base Use	0	0	20,154	32,620	127,068	294,120	438,217	499,177	412,095	249,545	117,901	23,320	2,214,219
Normalized Use (Dth)	42,240	47,706	46,848	47,228	47,860	48,462	49,585	47,282	47,166	48,326	48,037	47,677	568,436
	42,240	47,706	67,001	79,849	174,928	342,582	487,802	546,459	459,281	297,872	165,938	70,997	2,782,655
													12 mth avg use / cust
													152

National Grid - Gas Service
Customers and Thru-put: A

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	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	12-mth total
C&I Small - Actual Customers	18,178	17,939	17,722	17,934	18,095	18,316	18,482	18,505	18,445	18,313	18,154	17,942	218,025
Actual dth	71,985	69,253	41,710	69,504	153,248	301,421	493,368	635,944	385,112	308,858	145,997	65,967	2,742,367
Average use/customer/mth	3.96	3.86	2.35	3.88	8.47	16.46	26.69	34.37	20.88	16.87	8.04	3.68	12.58
Normalization													151
Base Use Per Day Per Cust													
	Jul/Aug	Aug/Sep	Lower Base										
	0.125	0.101	0.101										
# Billing Days	31.1	31.4	29.5	31.0	31.0	28.7	31.1	27.9	30.3	29.5	30.6	30.7	362.8
# Days	31.0	31.0	30.0	31.0	30.0	31.0	31.0	29.0	31.0	30.0	31.0	30.0	366.0
Base Use (Dth)	57,246	57,099	41,710	56,305	56,723	53,264	58,203	52,297	56,575	54,668	56,295	55,811	656,196
Actual Heat Use (Dth)	14,739	12,154	0	13,199	96,525	248,157	435,164	583,647	328,538	254,190	89,702	10,157	2,086,172
Normal Heat Use - 5.463 DL													
Normal Billing Days	30.5	31.0	30.5	30.5	30.5	30.5	31.0	30.0	30.0	30.5	30.5	30.5	366.0
Actual Billing Deg Days	24	0	16	212	467	747	1,019	1,143	858	685	331	148	5,651
Normal Billing Deg Days	10	1	26	223	497	705	996	971	908	639	376	134	5,487
Coldrr(Warmer)	14	(1)	(10)	(11)	(31)	42	22	172	(50)	47	(45)	14	164
Actual Heat Use (Dth) / customer / DD	0.0333	0.0000	0.0000	0.0035	0.0114	0.0181	0.0231	0.0276	0.0207	0.0203	0.0149	0.0038	0.0017
Normal Heat Use	6,173	0	0	13,911	102,847	234,099	425,705	495,681	347,601	236,914	101,884	9,196	1,974,009
Base Use	56,150	56,320	43,089	55,397	55,894	56,577	58,025	56,223	56,041	56,567	56,076	55,421	661,781
Normalized Use (Dth)	62,323	56,320	43,089	69,307	158,741	290,675	483,730	551,904	403,642	283,481	157,960	64,617	2,635,790
													145

National Grid - Gas Service
Customers and Thru-put: A

F:\pichshar\DKI 3789 - Long Range

	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	12-mth total
C&I Small - Actual													
Customers	17,788	17,636	17,339	17,466	17,739	17,909	18,025	18,049	18,027	17,841	17,668	17,521	213,008
Actual dth	53,524	37,792	47,521	63,277	148,587	274,527	415,705	497,283	420,116	288,221	119,044	85,244	2,450,842
Average use/customer/mth	3.01	2.14	2.74	3.62	8.38	15.33	23.06	27.55	23.30	16.15	6.74	4.87	11.51
Normalization													138
Base Use Per Day Per Cust													12 mth avg use / cust
Jul/Aug	0.084	0.079	Lower Base 0.079										
# Billing Days	30.7	30.5	31.0	30.6	29.8	31.2	31.9	28.9	28.6	29.5	29.4	30.5	362.6
# Days	31.0	31.0	30.0	31.0	30.0	31.0	31.0	28.0	31.0	30.0	31.0	30.0	365.0
Base Use (Dth)	43,367	37,792	42,600	42,449	41,973	44,406	45,579	41,342	40,951	41,742	41,204	42,451	505,857
Actual Heat Use (Dth)	10,157	0	4,922	20,828	106,614	230,121	370,126	455,941	379,165	246,479	77,840	42,793	1,944,985
Normal Heat Use - 5.463 DC													
Normal Billing Days	30.5	31.0	30.5	30.5	30.5	30.5	31.0	29.5	29.5	30.5	30.5	30.5	365.0
Actual Billing Deg Days	17	2	18	162	473	750	1,018	1,089	983	695	411	240	5,858
Normal Billing Deg Days	16	0	20	192	442	740	1,009	1,007	860	650	375	146	5,458
Colder(Warmer)	2	2	(2)	(30)	31	9	9	81	123	45	36	94	10
Actual Heat Use (Dth) / customer / DD	0.0328	0.0000	0.0156	0.0074	0.0127	0.0171	0.0202	0.0232	0.0214	0.0199	0.0107	0.0102	0.0016
Normal Heat Use	9,158	0	5,449	24,688	99,609	227,255	366,803	421,915	331,852	230,452	70,986	26,084	1,814,250
Base Use	43,064	38,382	41,977	42,284	42,945	43,357	44,353	42,263	42,212	43,192	42,773	42,418	509,221
Normalized Use (Dth)	52,222	38,382	47,426	66,973	142,554	270,612	411,156	464,178	374,064	273,644	113,759	68,501	2,323,471
													12 mth avg use / cust
													131

National Grid - Gas Service
Customers and Thru-put: A

F:\pricshard\3789 - Long Range

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	12-mth total
C&I Small - Actual Customers	17,353	17,319	17,428	17,598	17,840	18,130	18,149	18,213	18,170	18,051	17,878	17,705	213,834
Actual dth	46,754	43,762	50,918	59,477	125,274	297,039	406,650	325,158	394,965	267,802	130,176	80,136	2,228,111
Average use/customer/mth	2.69	2.53	2.92	3.38	7.02	16.38	22.41	17.85	21.74	14.84	7.28	4.53	10.42
Normalization													125
Base Use Per Day Per Cust													
	Jul/Aug	Aug/Sep	Lower Base										
	0.083	0.089	0.083										
# Billing Days	30.6	32.2	29.2	30.7	30.7	31.6	31.9	29.1	30.0	29.4	29.4	30.6	365.4
# Days	31.0	31.0	30.0	31.0	30.0	31.0	31.0	28.0	31.0	30.0	31.0	30.0	365.0
Base Use (Dth)	44,200	43,762	42,389	44,963	45,582	47,687	48,097	44,154	45,273	44,119	43,696	45,026	538,947
Actual Heat Use (Dth)	2,554	0	8,529	14,514	79,692	249,352	358,553	281,004	349,692	223,683	86,480	35,110	1,689,164
Normal Heat Use - 5,463 Df													
Normal Billing Days	30.5	31.0	30.5	30.5	30.5	30.5	31.0	29.5	29.5	30.5	30.5	30.5	365.0
Actual Billing Deg Days	30	2	10	91	416	808	966	813	972	611	353	149	5,221
Normal Billing Deg Days	20	0	15	173	439	736	1,003	1,007	902	644	371	145	5,455
Colder/(Warmer)	10	2	(5)	(82)	(23)	72	(37)	(194)	70	(33)	(18)	4	0
Actual Heat Use (Dth) / customer / DD	0.0049	0.0000	0.0489	0.0091	0.0107	0.0170	0.0205	0.0190	0.0198	0.0203	0.0137	0.0133	0.0015
Normal Heat Use Base Use	1,703	0	12,794	27,592	84,098	227,132	372,287	348,058	324,508	235,764	90,888	34,113	1,758,937
	44,028	42,081	44,218	44,650	45,264	45,999	46,803	44,695	44,589	45,799	45,360	44,921	538,408
Normalized Use (Dth)	45,731	42,081	57,012	72,242	129,362	273,132	419,089	392,753	369,098	281,563	136,248	79,034	2,297,344
													129

Data Request DIV 1-13

Request:

Please provide any available forecasts of future economic activity in Rhode Island that address some or all of the years through 2012.

Response:

Attached is a series of forecasts of various aspects of future economic activity in Rhode Island through 2012.

Prepared by or under the supervision of:
Peter Czekanski

Mnemonic:	FLBF RI Labor: Civilian Labor Force, (Ths., SA)	FLBR RI Labor: Unemployment Rate, (% SA)	FPOPQR RI Population (Resident): Total, (Ths.)	FHHOLDQR RI Households: Total, (Ths.)	FYP\$QR RI Real Personal Income, (Mil. 00\$, SAAR)	FHST1QR RI Housing Starts: Single-family, (#, SAAR)	FET RI Employment: Total Nonagricultural, (Ths., SA)	FQDP\$QR RI GDP: Gross State Product, (Bil. 00\$, SAAR)
Description:	BLS; Moody's Economy.com STFOR.db QUARTERLY Rhode Island	BLS; Moody's Economy.com STFOR.db QUARTERLY Rhode Island	U.S. Bureau of Census: Projections: Economy.com STFOR.db QUARTERLY Rhode Island	BOC; Moody's Economy.com STFOR.db QUARTERLY Rhode Island	BEA; Moody's Economy.com STFOR.db QUARTERLY Rhode Island	BOC; Housing Starts & Building Permits; Moody's Economy.com STFOR.db QUARTERLY Rhode Island	BLS; BEA; BOC; CBP; Moody's Economy.com STFOR.db QUARTERLY Rhode Island	BEA; Moody's Economy.com STFOR.db QUARTERLY Rhode Island
Source:	12/31/1976	12/31/1976	12/31/1900	12/31/1960	12/31/1960	12/31/1982	12/31/1970	12/31/1977
Datavank:	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006
Native Frequency:	09/30/06	09/30/06	06/30/30	06/30/05	12/31/05	09/30/05	09/30/06	12/31/05
Geography:	44	44	44	44	44	44	44	44
GeoCode:	RI	RI	RI	RI	RI	RI	RI	RI
Begin Date:	12/31/1976	12/31/1976	12/31/1900	12/31/1960	12/31/1960	12/31/1982	12/31/1970	12/31/1977
Last Updated:	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006
Historical End Date:	09/30/06	09/30/06	06/30/30	06/30/05	12/31/05	09/30/05	09/30/06	12/31/05
1890A1	525.85	6.11	1008.64	380.62	25006.03	2465.14	451.31	27.17
1891A1	523.07	8.11	1011.73	382.98	24291.36	2069.31	421.62	26.18
1892A1	530.14	8.82	1013.87	385.10	24618.92	2315.70	424.78	26.64
1893A1	526.67	7.93	1015.74	387.09	24956.60	2315.03	430.00	27.04
1894A1	515.88	6.82	1016.21	388.53	25041.08	2291.03	434.16	27.25
1895A1	508.87	5.17	1018.70	390.85	25793.82	2031.63	440.15	28.06
1896A1	517.43	5.31	1023.09	393.86	26307.22	2107.01	441.57	28.63
1897A1	531.88	5.23	1027.92	397.08	27315.44	2333.69	449.99	30.44
1898A1	534.01	4.58	1035.37	401.28	28653.05	2511.45	458.04	30.90
1899A1	541.41	4.17	1046.84	406.87	29279.29	2672.53	465.52	31.61
2000A1	543.40	4.16	1054.52	410.95	30896.65	2217.09	476.72	33.61
2001A1	545.46	4.54	1063.40	414.27	31812.97	2040.32	478.48	34.18
2002A1	556.24	4.54	1072.59	417.88	32485.84	2088.15	479.36	34.92
2003A1	568.38	5.05	1078.38	420.13	33090.59	1791.81	484.22	36.44
2004A1	562.12	5.38	1079.47	420.56	34126.00	1845.24	485.51	37.79
2005A1	569.45	5.23	1077.96	419.14	34954.18	1921.97	491.72	38.54
2006A1	578.61	5.04	1081.11	420.26	35216.80	1710.89	494.63	38.96
2007A1	584.02	5.37	1084.18	421.73	35826.83	1449.25	498.93	39.64
2008A1	589.46	5.83	1087.13	423.24	36441.20	1384.80	505.44	40.32
2009A1	593.36	5.75	1090.34	424.92	37399.24	1336.20	511.99	41.30
2010A1	598.34	5.55	1093.52	426.64	38259.96	1316.42	517.21	42.25
2011A1	603.66	5.46	1096.64	428.43	39088.02	1336.62	522.01	43.16
2012A1	608.72	5.48	1099.74	430.36	39833.09	1353.63	526.62	44.02

Data Request DIV 1-14

Request:

Please provide the Company's present assessment of the impacts of recent Rhode Island and/or Federal legislation on gas use in Rhode Island.

Response:

Recent Rhode Island legislation that could have an impact on gas use in the state is the Comprehensive Energy Conservation, Efficiency and Affordability Act of 2006 (Public Law 2006, Chapter 237). The Company is currently in the initial stages of developing and receiving regulatory approval of a gas energy conservation program. It is too early to make an assessment of the impact that implementation of such a program will have on gas use in Rhode Island.

The changes in the Federal Standards under the Energy Policy Act of 2005 are not expected to have any noticeable impact on gas consumption over the Company's planning horizon. For example, the proposed change in the existing standard for residential furnaces would not be effective until 2015 and the change would be a small increase from the current standard, which the majority of furnaces sold already meet.

Prepared by or under the supervision of:
Peter Czekanski

Data Request DIV 1-15

Request:

Please provide the Company's assessment of the impacts of its gas supply costs over the years of its gas supply plan, and indicate those changes in rates or regulatory policy that enhance the future value of interruptible service offerings to the Company and its firm service customers.

Response:

The Company has not attempted to assess the impacts of its gas supply costs on the future value of interruptible service offerings to the Company and its firm service customers. All customers with alternate fuel capability are eligible for interruptible service and may switch to and from sales service, gas transportation service and their alternate fuel at will unless their gas service is interrupted by the Company. Because of the unpredictability of use or pricing, it is not included in the gas supply planning process.

Prepared by or under the supervision of:
Gary Beland

Data Request DIV 1-16

Request:

Please identify any and all new gas transportation, gas storage, or supply contracts that the Company has entered into since it developed the inputs for its August 22, 2006 Long Range Gas Supply Plan summarize the terms, conditions, and pricing of facilities, commodities and/or services under those contracts.

Response:

The Company has not entered into any new gas transportation or storage contracts since filing the Supply Plan. It entered into a new supply contract that provides 1,012 Dt/day of supply into Iroquois Pipeline capacity at the Canadian border (Waddington). The Iroquois capacity has a contract expiration date of 12/01/2011 and would be stranded without a supply source.

This contract was developed as part of the Alberta Northeast II (ANE II) buying consortium where the companies participated collectively to try to obtain a better price. The original ANE contract was for 15 years and expired on October 31, 2006.

The new supply arrangement through the ANE group will begin on November 1, 2007 and continue for 3 years. The Company has termination rights in each year. The supplier behind the contract is BP. An interim purchase was made by soliciting competitive offers to cover the period from November 1, 2006 to October 31, 2007 at a fixed price for supply delivered to Waddington.

The Company entered into these supply arrangements because mid-winter supply at Waddington has been difficult to obtain during cold periods and the delivered cost is competitive with other supply sources.

The Company has requested new capacity on Algonquin Pipeline in its non-binding open season conducted in the fall of 2006. The request was for capacity of 6,000 Dt per day at Portsmouth, RI, 1,500 Dt per day at Montville, CT to serve Westerly, RI, 2,000 Dt per day to Warren, RI and 500 Dt per day to serve Tiverton, RI. The capacity would be available no sooner than November 2008 and may not be completed until 2009 or later because it is contingent on regulatory approvals that may be delayed by opposition, regulatory delays or the availability of supplies or resources.

The purpose of this added capacity is to increase capacity to specific Algonquin gates where long term growth has caused these individual gates to become constrained by pipeline bottlenecks on the laterals serving these gates. The capacity to be constructed as part of this

Prepared by or under the supervision of:
Gary Beland

open season will have the cost of the facilities spread over all customers not just the Company. Because the project will serve some portion of the new LNG terminal capacity, it will spread the cost over a large volume. Moreover, because the flow will be counter to historical flows, the incremental cost to serve the LNG project(s) will be moderate. We are waiting for a response to our request and for pricing terms. The current target date for completing negotiations of a precedent agreement covering this service is March of 2007.

Prepared by or under the supervision of:
Gary Beland

Data Request DIV 1-17

Request:

Please identify any and all known or anticipated material changes in individual large C&I customer or electric generation load in the Company's service territory over the next five years, and to the extent such information is available indicate the timing and magnitude of those changes.

Response:

Any known or anticipated material changes in individual large C&I loads affecting firm sales service sendout were included in the estimates for the November 2005 to October 2006 period and were included in the forecasted firm sales service sendout that served as the base forecast used in the development of the Long Range Plan. The majority of new large C&I loads rely on transportation service without an assignment of any Company portfolio capacity and thus, are not included in the Long Range Plan because the plan only addresses the requirements needed to serve firm sales service customers.

Prepared by or under the supervision of:
Gary Beland/Peter Czekanski