

Division 7-1

Request:

Re: the Direct Testimony of Witness Normand. Please provide electronic copies of workpapers relied upon by Witness Normand to generate his Class Cost of Service and rate design analyses presented in Schedules PMN-2 through PMN-9 including all supporting workpapers and electronic spreadsheet files used in the development of input data and allocation factors for the analyses presented in those exhibits.

Response:

Please see Attachment DIV 7-1 for the requested information.

Pursuant to PUC Rule 1.2 (g), the Company is seeking confidential treatment of the Excel version of a portion of Attachment DIV 7-1, specifically Schedule PMN-2, Schedule PMN-3, Schedule PMN-4, Schedule PMN-5, and a portion of Schedule PMN-9 (Bates Pages 66-139). Due to the voluminous nature and large file size associated with Attachment DIV 7-1, the Company is providing this attachment on a USB Flash Drive.

Division 7-2

Request:

Re: the Direct Testimony of Witness Normand at page 9 of 31, lines 8-11. Please provide full documentation of each "special study" undertaken to replicate the intended use of specific plant or expenses.

Response:

Please see the Excel workpaper files accompanying the response to Division 7-1.

Division 7-3

Request:

Re: the Direct Testimony of Witness Normand at page 9 of 31, lines 12-13. Please:

- a. Provide the workpapers, data, analyses, studies, and assumptions relied upon as the basis for his assertion that "the cost of processing a computer generated bill is the same for all classes."
- b. Provide an example of the current format for each gas service rate classification.
- c. Detail all changes in billing format that will be required to implement the proposed rates for each gas rate classification.
- d. Identify each element of billing information that must be processed to generate a bill for a customer in each rate classification.
- e. Identify each element of billing information that is stored by the Company for bills rendered to customers in each rate class.

Response:

- a. All bills rendered by the Company are computer generated and the billing information used to generate a bill is essentially the same for all rate classes except for the minor differences noted in the response to part d. below. To determine any minute differences in billing cost by rate class would require an extensive study of each individual processing of each item of billing information and the related cost by rate class.
- b. See Attachment DIV 7-3-1 for Residential Non-Heating.
See Attachment DIV 7-3-2 for Residential Low Income Non-Heating.
See Attachment DIV 7-3-3 for Residential Heating.
See Attachment DIV 7-3-4 for Residential Low Income Heating.
See Attachment DIV 7-3-5 for C & I Small.
See Attachment DIV 7-3-6 for C & I Medium.
See Attachment DIV 7-3-7 for C & I Large Low Load.
See Attachment DIV 7-3-8 for C & I Large High Load.
See Attachment DIV 7-3-9 for C & I Extra Large Low Load.
See Attachment DIV 7-3-10 for C & I Extra Large High Load.
- c. The only change in the bill format resulting from the Company's proposed rates will be to add a line on applicable customers' bills identifying the proposed 15% low income discount.

This functionality is already programmed into the Company's billing system because a similar low income discount applicable to qualifying customers of the Company's Massachusetts electric affiliates.

d. The major difference between rate structures between customer classes is that the medium, large, and extra-large C&I rate classes have billing demand units and one rate applicable to all volumes delivered, while the residential and small C&I rate classes have no billing demand units and two rates for all volumes delivered during a billing month (i.e., block rates).

Other elements of billing information required to generate a bill that are common across all rate classes include:

- Meter reading information;
- Pressure factor and/or meter multiplier;
- Therm usage;
- Days of service based on meter readings;
- Tax exemptions (Gross Earnings Tax);
- Paperless billing enrollment;
- Contracts and riders (e.g., Energy Efficiency Program Charge opt-out);
- Weather data where an estimated read is required;
- BTU factor; and
- Prices at the charge type level.

e. The elements of billing information shown on customer bills are provided in response to part b. above. In addition to those elements, the following information is stored by the Company's billing system for bills that have been issued:

- Bill print header record;
- Detail of each bill line item;
- Bill Image;
- Accounting debits created;
- Billing amounts at the charge type level; and
- Usage types.



SERVICE FOR
[REDACTED]
CRANSTON RI 02905

BILLING PERIOD
Nov 27, 2017 to Dec 27, 2017

PAGE 1 of 3

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 21, 2018 AMOUNT DUE \$ 93.11

NATURAL GAS BILL

www.nationalgridus.com
CUSTOMER SERVICE
1-800-322-3223
CREDIT DEPARTMENT
1-888-211-1313
GAS EMERGENCIES
1-800-640-1595
POWER OUTAGE OR DOWNED LINE
1-800-465-1212
CORRESPONDENCE ADDRESS
PO Box 960
Northborough, MA 01532-0960
PAYMENT ADDRESS
PO Box 11739
Newark, NJ 07101-4739
DATE BILL ISSUED
Dec 28, 2017

YOUR PAYMENT THIS MONTH

Payment Agreement Amount	43.00
Balance Forward	194.36
Current Charges	50.11
Amount Due ▶	\$ 93.11

PLAN STATUS

Payment Agreement - Started Dec 17
Payment Agreement balance as of Dec 28 \$ 258.06

ACCOUNT ACTIVITY

Previous Balance	194.36
Payment Received <i>No payments have been received during this billing period</i>	- 0.00
Current Charges	+ 50.11

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	35.10	13.50		48.60
Other Charges/Adjustments			1.51	1.51
Total Current Charges	\$ 35.10	\$ 13.50	\$ 1.51	\$ 50.11

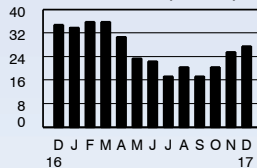


Save time and money! Sign up for paperless billing and receive a \$ 0.34 credit on your monthly bill. Visit our website to enroll today.



What is the Energy Efficiency Charge on my bill? This charge funds Energy Efficiency programs that can help consumers lower their energy usage and bills, improve comfort in their homes or businesses, and lower pollutants and carbon emissions in our communities. To learn how to take advantage of these programs and your eligibility, please call 1-866-903-2811 or visit www.ngrid.com/ri-ee.

GAS USAGE HISTORY (Therms)



Daily Averages Dec 16 Dec 17
Therms
Cost \$ 1.79 \$ 1.67

Actual Estimated



PO Box 960
Northborough MA 01532

*****AUTO**5-DIGIT 02905
[REDACTED]
CRANSTON RI 02905-2622

021576

NATIONAL GRID
PO BOX 11739
NEWARK NJ 07101-4739

KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 21, 2018 AMOUNT DUE \$ 93.11

ENTER AMOUNT ENCLOSED

\$

Write account number on check and make payable to National Grid

000005011 [REDACTED]



SERVICE FOR
[REDACTED]
CRANSTON RI 02905

BILLING PERIOD
Nov 27, 2017 to Dec 27, 2017

PAGE **2 of 3**

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 21, 2018 AMOUNT DUE \$ **93.11**

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 20, [REDACTED]

Gas Usage History

Month	Therms	Month	Therms
Dec 16	34.986	Jul 17	17.476
Jan 17	33.957	Aug 17	20.560
Feb 17	36.015	Sep 17	17.476
Mar 17	36.015	Oct 17	20.560
Apr 17	30.870	Nov 17	25.725
May 17	23.644	Dec 17	27.783
Jun 17	22.616		

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Nov 27 - Dec 27	30	84 <i>Actual</i>		57 <i>Actual</i>		27		1.029		27.783

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Jan 29

RATE Residential Non-Heating

Customer Charge										13.00
LIHEAP Enhancement Chg										0.81
Distribution Charge				0.4386	x	27.783 Therms				12.19
Distribution Adj Chg				0.2389	x	27.783 Therms				6.63
Energy Efficiency Prgms				0.0888	x	27.783 Therms				2.47
Total Delivery Services										\$ 35.10

Supply Services

SUPPLIER National Grid

Cost of Gas				0.4859	x	27.783 Therms				13.50
Total Supply Services										\$ 13.50

Other Charges/Adjustments

Gross Earnings Tax				0.0309278	x	48.60				1.51
Total Other Charges/Adjustments										\$ 1.51



www.nationalgridus.com

EXPLANATION OF TERMS

National Grid uses the automated meter reading "Quickread" van to read meters every month in the Providence, RI area. If you receive a bill based on an estimated read, it will be adjusted by the next actual meter reading. Estimated bills are calculated on the history of your account and/or averaging factor.

GAS USED

CCF Basic measurement of the volume of gas used. One CCF equals one hundred cubic feet.

DELIVERY CHARGES

Customer Charge

A portion of the Company's cost to serve you with such items as mailing, system maintenance and record keeping and is not related to the quantity of gas used.

Demand Charge

Medium rate and larger rate business customers receive a demand charge which is based on the customer's maximum average daily quantity (MADQ) and is a fixed rate determined by the demand the customer places on the gas distribution system.

Distribution Charge - Step Charges

In each season, residential heating and small business rates are calculated using two consumption "steps." Step 1 and Step 2 appear when there is Peak/Off peak Season Cross Over and/or Price Change during the billing cycle.

Therm Factor

Converts your usage from CCF into Therms which is a measure of the heating value of the gas you used.

Therm

To calculate therms, multiply the CCF used by the Therm Factor.

Distribution Adjustment Charge (DAC)

is adjusted annually and is used to recover costs and/or share savings related to various services and customer programs. For example, system pressure balancing, earnings sharing, etc.

Cost of Gas

is based on the gas used. The rate is usually adjusted annually to reflect the Company's actual cost to purchase gas on behalf of the customers.

OTHER

GET

Stands for State of Rhode Island Gross Earnings Tax.

Budget Billing Plan

A monthly payment plan that spreads your annual gas costs more evenly throughout the year. This program is free to all residential customers.

Liheap Charge

This charge is required under Rhode Island law and will be used to provide funding for a Low-Income Home Energy Assistance Program ("LIHEAP") Enhancement Plan, designed to assist low-income electric and natural gas households with their home energy and heating needs. By law, this charge may not be more than \$10 per year for each electric or natural gas service account.

Returned Check Charge

Each unpaid check returned to National Grid will result in a charge of \$15.

PROTECTION AGAINST SHUT-OFF*

Natural gas service will not be shut off if:

- . you have made a recent acceptable payment, or
- . you have entered into an acceptable payment agreement, or
- . you have registered with us that all permanent members of your household are 62 or older AND you have entered into an acceptable payment agreement, or
- . you have registered with us, by written notice from a registered physician, that a permanent member of your household is handicapped or seriously ill AND you have entered into an acceptable payment agreement.

Natural gas service will not be shut off during Winter Moratorium (November 1 through April 15) if:

- . you meet any of the above guidelines, or
- . you have registered with us as eligible for heating assistance, or
- . you have registered with us that the principal wage earner in your household is unemployed as verified by a Department of Employment Security (DES) photo ID card or other verification from DES, or
- . your unpaid gas bill does not exceed the amount stated by the RIPUC.

SPECIAL CONDITIONS PREVENT TERMINATION OF SERVICE IF YOU HAVE A CHILD UNDER 24 MONTHS OLD AND A FINANCIAL HARDSHIP.

If you or anyone presently and normally living in your house has a child under 24 months old, we will not terminate your gas service, provided you also have a financial hardship. Please call our Customer Contact Center at (800) 322-3223 immediately if this applies to you.

Residential Consumer Rights

You have the right to dispute your bill. You may place a request to have the bill investigated by calling our Customer Service Department at (800) 322-3223. If you do not agree with the findings of the Company, you may appeal to the Division of Public Utilities and Carriers, Consumer Section at the address listed below.

If you have a problem paying your bill, our Customer Service Representatives will be happy to speak with you about our payment agreement options. If a mutually satisfactory payment agreement cannot be worked out, you may appeal to the Division of Public Utilities and Carriers Consumer Section at the address listed below.

Division of Public Utilities and Carriers Consumer Section

89 Jefferson Boulevard
Warwick, Rhode Island 02888
Toll-Free in RI (401) 780-9700

The State of Rhode Island, through the Low Income Home Energy Assistance Program (LIHEAP) provides eligible customers with assistance in paying their energy bills. The program operates from October - March. Customers who believe they may qualify for such assistance should contact the State of Rhode Island Energy Resource Office at (401) 574-9100 and/or their local Community Action Program agency.

Visit our website for a listing of all our Payment Agents.

Website - www.nationalgridus.com

Address all inquiries to:

300 Erie Boulevard West
Syracuse, NY 13202-4201
Attention: Customer Contact Center C-3

Notice About Electronic Check Conversion

By sending your completed, signed check to us, you authorize us to use the account information from your check to make an electronic fund transfer from your account for the same amount as the check. If the electronic fund transfer cannot be processed for technical reasons, you authorize us to process the copy of your check.

Please translate immediately.

Por favor, hágala traducir inmediatamente.

Traduzir imediatamente.

Traduire immédiatement.



SERVICE FOR
CENTRAL FALLS RI 02863

BILLING PERIOD
Dec 7, 2017 to Jan 5, 2018

PAGE 1 of 3

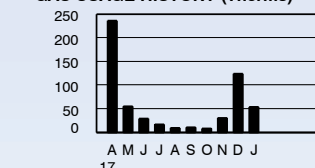
ACCOUNT NUMBER
PLEASE PAY BY
AMOUNT DUE
No payment due \$ 0.00

NATURAL GAS BILL

www.nationalgridus.com
CUSTOMER SERVICE
1-800-322-3223
CREDIT DEPARTMENT
1-888-211-1313
GAS EMERGENCIES
1-800-640-1595
POWER OUTAGE OR DOWNED LINE
1-800-465-1212
CORRESPONDENCE ADDRESS
PO Box 960
Northborough, MA 01532-0960
PAYMENT ADDRESS
PO Box 11739
Newark, NJ 07101-4739

DATE BILL ISSUED
Jan 8, 2018

GAS USAGE HISTORY (Therms)



Daily Averages Jan 18
Therms
Cost \$ 2.78

Actual Estimated



PO Box 960
Northborough MA 01532

CENTRAL FALLS RI 02863

ACCOUNT BALANCE

Previous Balance	-178.97
Payment Received <i>No payments have been received during this billing period</i>	- 0.00
Balance Forward	-178.97
Current Charges	+ 80.85
Credit Balance ►	-\$ 98.12

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	51.92	26.50		78.42
Other Charges/Adjustments			2.43	2.43
Total Current Charges	\$ 51.92	\$ 26.50	\$ 2.43	\$ 80.85

Save time and money! Sign up for paperless billing and receive a \$ 0.34 credit on your monthly bill. Visit our website to enroll today.

What is the Energy Efficiency Charge on my bill? This charge funds Energy Efficiency programs that can help consumers lower their energy usage and bills, improve comfort in their homes or businesses, and lower pollutants and carbon emissions in our communities. To learn how to take advantage of these programs and your eligibility, please call 1-866-903-2811 or visit www.ngrid.com/ri-ee.

★ **WILL WE BE ABLE TO REACH YOU DURING A POWER OUTAGE?:** During a power outage, phones with a direct link to a local phone line are able to operate. Phones that are **not** directly linked (for example, wireless phones with answering machines) need electricity to make/receive calls. If you would like to register another phone number, such as a cell phone, as your account's primary phone number, please go to www.nationalgrid.com/myaccount to update your information so that we may be able to reach you with important information during power outages.

KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.

ACCOUNT NUMBER	PLEASE PAY BY	AMOUNT DUE
	No Payment Due	\$ 0.00

Please do not mail payment
You have a credit balance on your account.

000008085



SERVICE FOR
[REDACTED]
CENTRAL FALLS RI 02863

BILLING PERIOD
Dec 7, 2017 to Jan 5, 2018

PAGE **2 of 3**

ACCOUNT NUMBER [REDACTED] **PLEASE PAY BY** **AMOUNT DUE**
[REDACTED] No payment due **\$ 0.00**

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 7, [REDACTED]

Gas Usage History

Month	Therms	Month	Therms
Apr 17	236.670	Nov 17	31.899
May 17	55.512	Dec 17	125.538
Jun 17	29.812	Jan 18	54.537
Jul 17	17.476		
Aug 17	10.280		
Sep 17	11.308		
Oct 17	09.252		

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Dec 7 - Jan 5	29	4363 Actual		4310 Actual		53		1.029		54.537

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Feb 7

RATE Residential Low Income Non-Heating

Customer Charge										11.70
LIHEAP Enhancement Chg										0.81
Distribution Charge				0.3947	x	54.537 Therms				21.53
Distribution Adj Chg				0.2389	x	54.537 Therms				13.04
Energy Efficiency Prgms				0.0888	x	54.537 Therms				4.84
Total Delivery Services										\$ 51.92

Supply Services

SUPPLIER National Grid

Cost of Gas				0.4859	x	54.537 Therms				26.50
Total Supply Services										\$ 26.50

Other Charges/Adjustments

Gross Earnings Tax				0.0309278	x	78.42				2.43
Total Other Charges/Adjustments										\$ 2.43



www.nationalgridus.com

EXPLANATION OF TERMS

National Grid uses the automated meter reading "Quickread" van to read meters every month in the Providence, RI area. If you receive a bill based on an estimated read, it will be adjusted by the next actual meter reading. Estimated bills are calculated on the history of your account and/or averaging factor.

GAS USED

CCF Basic measurement of the volume of gas used. One CCF equals one hundred cubic feet.

DELIVERY CHARGES

Customer Charge

A portion of the Company's cost to serve you with such items as mailing, system maintenance and record keeping and is not related to the quantity of gas used.

Demand Charge

Medium rate and larger rate business customers receive a demand charge which is based on the customer's maximum average daily quantity (MADQ) and is a fixed rate determined by the demand the customer places on the gas distribution system.

Distribution Charge - Step Charges

In each season, residential heating and small business rates are calculated using two consumption "steps." Step 1 and Step 2 appear when there is Peak/Off peak Season Cross Over and/or Price Change during the billing cycle.

Therm Factor

Converts your usage from CCF into Therms which is a measure of the heating value of the gas you used.

Therm

To calculate therms, multiply the CCF used by the Therm Factor.

Distribution Adjustment Charge (DAC)

is adjusted annually and is used to recover costs and/or share savings related to various services and customer programs. For example, system pressure balancing, earnings sharing, etc.

Cost of Gas

is based on the gas used. The rate is usually adjusted annually to reflect the Company's actual cost to purchase gas on behalf of the customers.

OTHER

GET

Stands for State of Rhode Island Gross Earnings Tax.

Budget Billing Plan

A monthly payment plan that spreads your annual gas costs more evenly throughout the year. This program is free to all residential customers.

Liheap Charge

This charge is required under Rhode Island law and will be used to provide funding for a Low-Income Home Energy Assistance Program ("LIHEAP") Enhancement Plan, designed to assist low-income electric and natural gas households with their home energy and heating needs. By law, this charge may not be more than \$10 per year for each electric or natural gas service account.

Returned Check Charge

Each unpaid check returned to National Grid will result in a charge of \$15.

PROTECTION AGAINST SHUT-OFF*

Natural gas service will not be shut off if:

- . you have made a recent acceptable payment, or
- . you have entered into an acceptable payment agreement, or
- . you have registered with us that all permanent members of your household are 62 or older AND you have entered into an acceptable payment agreement, or
- . you have registered with us, by written notice from a registered physician, that a permanent member of your household is handicapped or seriously ill AND you have entered into an acceptable payment agreement.

Natural gas service will not be shut off during Winter Moratorium (November 1 through April 15) if:

- . you meet any of the above guidelines, or
- . you have registered with us as eligible for heating assistance, or
- . you have registered with us that the principal wage earner in your household is unemployed as verified by a Department of Employment Security (DES) photo ID card or other verification from DES, or
- . your unpaid gas bill does not exceed the amount stated by the RIPUC.

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If you or anyone presently and normally living in your house has a child under 24 months old, we will not terminate your gas service, provided you also have a financial hardship. Please call our Customer Contact Center at (800) 322-3223 immediately if this applies to you.

Residential Consumer Rights

You have the right to dispute your bill. You may place a request to have the bill investigated by calling our Customer Service Department at (800) 322-3223. If you do not agree with the findings of the Company, you may appeal to the Division of Public Utilities and Carriers, Consumer Section at the address listed below.

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Website - www.nationalgridus.com

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300 Erie Boulevard West
Syracuse, NY 13202-4201
Attention: Customer Contact Center C-3

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Please translate immediately.

Por favor, hágala traducir inmediatamente.

Traduzir imediatamente.

Traduire immédiatement.



SERVICE FOR
CENTRAL FALLS RI 02863

BILLING PERIOD
Dec 7, 2017 to Jan 5, 2018

PAGE 1 of 3

ACCOUNT NUMBER
PLEASE PAY BY
Feb 1, 2018
AMOUNT DUE
\$ 222.58

NATURAL GAS BILL

www.nationalgridus.com
CUSTOMER SERVICE
1-800-322-3223
CREDIT DEPARTMENT
1-888-211-1313
GAS EMERGENCIES
1-800-640-1595
POWER OUTAGE OR DOWNED LINE
1-800-465-1212
CORRESPONDENCE ADDRESS
PO Box 960
Northborough, MA 01532-0960
PAYMENT ADDRESS
PO Box 11739
Newark, NJ 07101-4739

DATE BILL ISSUED
Jan 8, 2018

ACCOUNT BALANCE

Previous Balance	153.19
Payment Received on DEC 28 (Check)	- 52.97
Balance Forward	100.22
Current Charges	+ 122.36
Amount Due ▶	\$ 222.58

SUMMARY OF CURRENT CHARGES

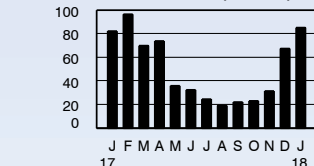
	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ADJUSTMENTS	TOTAL
Gas Service	73.50	45.19		118.69
Other Charges/Adjustments			3.67	3.67
Total Current Charges	\$ 73.50	\$ 45.19	\$ 3.67	\$ 122.36

💡 Save time and money! Sign up for paperless billing and receive a \$ 0.34 credit on your monthly bill. Visit our website to enroll today.

🔧 **What is the Energy Efficiency Charge on my bill?** This charge funds Energy Efficiency programs that can help consumers lower their energy usage and bills, improve comfort in their homes or businesses, and lower pollutants and carbon emissions in our communities. To learn how to take advantage of these programs and your eligibility, please call 1-866-903-2811 or visit www.ngrid.com/ri-ee.

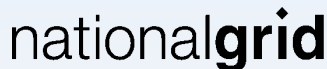
★ **WILL WE BE ABLE TO REACH YOU DURING A POWER OUTAGE?:** During a power outage, phones with a direct link to a local phone line are able to operate. Phones that are **not** directly linked (for example, wireless phones with answering machines) need electricity to make/receive calls. If you would like to register another phone number, such as a cell phone, as your account's primary phone number, please go to www.nationalgrid.com/myaccount to update your information so that we may be able to reach you with important information during power outages.

GAS USAGE HISTORY (Therms)



Daily Averages
Therms
Cost

■ Actual □ Estimated



PO Box 960
Northborough MA 01532

*****AUTO**5-DIGIT 02865
LINCOLN RI 02865-4225

KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.

ACCOUNT NUMBER
PLEASE PAY BY
Feb 1, 2018
AMOUNT DUE
\$ 222.58

ENTER AMOUNT ENCLOSED

\$

Write account number on check and make payable to National Grid

NATIONAL GRID
PO BOX 11739
NEWARK NJ 07101-4739

000012236



SERVICE FOR
[REDACTED]
CENTRAL FALLS RI 02863

BILLING PERIOD
Dec 7, 2017 to Jan 5, 2018

PAGE **2 of 3**

ACCOUNT NUMBER [REDACTED] **PLEASE PAY BY** **AMOUNT DUE**
[REDACTED] Feb 1, 2018 **\$ 222.58**

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 7, [REDACTED]

Gas Usage History

Month	Therms	Month	Therms
Jan 17	82.320	Aug 17	19.532
Feb 17	96.726	Sep 17	22.616
Mar 17	69.972	Oct 17	23.644
Apr 17	74.088	Nov 17	31.899
May 17	35.980	Dec 17	67.914
Jun 17	32.896	Jan 18	85.407
Jul 17	24.672		

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Dec 7 - Jan 5	29	1910 Actual		1827 Actual		83		1.029		85.407

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Feb 7

RATE Residential Heating

Customer Charge										13.00
LIHEAP Enhancement Chg										0.81
Distr Chg Step 1 (Peak)				0.4672	x	85.407 Therms				39.90
Distribution Adj Chg				0.143	x	85.407 Therms				12.21
Energy Efficiency Prgms				0.0888	x	85.407 Therms				7.58
Total Delivery Services										\$ 73.50

Supply Services

SUPPLIER National Grid

Cost of Gas				0.5291	x	85.407 Therms				45.19
Total Supply Services										\$ 45.19

Other Charges/Adjustments

Gross Earnings Tax				0.0309278	x	118.69				3.67
Total Other Charges/Adjustments										\$ 3.67



www.nationalgridus.com

EXPLANATION OF TERMS

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GAS USED

CCF Basic measurement of the volume of gas used. One CCF equals one hundred cubic feet.

DELIVERY CHARGES

Customer Charge

A portion of the Company's cost to serve you with such items as mailing, system maintenance and record keeping and is not related to the quantity of gas used.

Demand Charge

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Distribution Charge - Step Charges

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Therm Factor

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Therm

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OTHER

GET

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Returned Check Charge

Each unpaid check returned to National Grid will result in a charge of \$15.

PROTECTION AGAINST SHUT-OFF*

Natural gas service will not be shut off if:

- . you have made a recent acceptable payment, or
- . you have entered into an acceptable payment agreement, or
- . you have registered with us that all permanent members of your household are 62 or older AND you have entered into an acceptable payment agreement, or
- . you have registered with us, by written notice from a registered physician, that a permanent member of your household is handicapped or seriously ill AND you have entered into an acceptable payment agreement.

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- . you have registered with us that the principal wage earner in your household is unemployed as verified by a Department of Employment Security (DES) photo ID card or other verification from DES, or
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Please translate immediately.

Por favor, hágala traducir inmediatamente.

Traduzir imediatamente.

Traduire immédiatement.



SERVICE FOR
[REDACTED]
NORTH PROVIDENCE RI 02911

BILLING PERIOD
Nov 28, 2017 to Dec 29, 2017

PAGE 1 of 3

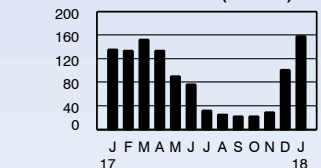
ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 26, 2018 AMOUNT DUE \$ 295.47

NATURAL GAS BILL

www.nationalgridus.com
CUSTOMER SERVICE
1-800-322-3223
CREDIT DEPARTMENT
1-888-211-1313
GAS EMERGENCIES
1-800-640-1595
POWER OUTAGE OR DOWNED LINE
1-800-465-1212
CORRESPONDENCE ADDRESS
PO Box 960
Northborough, MA 01532-0960
PAYMENT ADDRESS
PO Box 11739
Newark, NJ 07101-4739

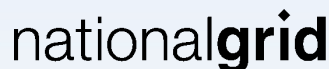
DATE BILL ISSUED
Jan 2, 2018

GAS USAGE HISTORY (Therms)



Daily Averages Jan 17 Jan 18
Therms
Cost \$ 5.71 \$ 6.51

Actual Estimated



PO Box 960
Northborough MA 01532

*AUTO**SCH 5-DIGIT 02919
[REDACTED]
NORTH PROVIDENCE RI 02911-1010

DID YOU FORGET TO PAY YOUR BILL?

It is possible that service could be terminated for non-payment. Prior to any termination, you would receive a separate notice in the mail. If you have any questions, please call us at 1-888-211-1313 or if you have already paid, please disregard this notice.

YOUR PAYMENT THIS MONTH

Budget Plan Amount	107.00
Balance Forward	188.47
Amount Due	\$ 295.47

PLAN STATUS

Budget Plan - Started May 17	
Accumulated Budget Plan charges	-856.00
Accumulated Actual Charges	659.51
Amount in Customer Favor after paying this bill	-\$ 196.49

ACCOUNT ACTIVITY

Previous Balance	188.47
Payment Received	- 0.00
Current Charges	+ 201.82

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	111.38	84.39		195.77
Other Charges/Adjustments			6.05	6.05
Total Current Charges	\$ 111.38	\$ 84.39	\$ 6.05	\$ 201.82

Save time and money! Sign up for paperless billing and receive a \$ 0.34 credit on your monthly bill. Visit our website to enroll today.

What is the Energy Efficiency Charge on my bill? This charge funds Energy Efficiency programs that can help consumers lower their energy usage and bills, improve comfort in their homes or businesses, and lower pollutants and carbon emissions in our communities. To learn how to take advantage of these programs and your eligibility, please call 1-866-903-2811 or visit www.ngrid.com/ri-ee.

KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.

ACCOUNT NUMBER	PLEASE PAY BY	AMOUNT DUE
[REDACTED]	Jan 26, 2018	\$ 295.47 includes amount past due

ENTER AMOUNT ENCLOSED

\$

Write account number on check and make payable to National Grid

NATIONAL GRID
PO BOX 11739
NEWARK NJ 07101-4739

000020182



SERVICE FOR

NORTH PROVIDENCE RI 02911

BILLING PERIOD

Nov 28, 2017 to Dec 29, 2017

PAGE 2 of 3

ACCOUNT NUMBER

PLEASE PAY BY

Jan 26, 2018

AMOUNT DUE

\$ 295.47

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 1, [REDACTED]

Gas Usage History

Month	Therms	Month	Therms
Jan 17	136.857	Aug 17	25.700
Feb 17	134.799	Sep 17	23.644
Mar 17	153.321	Oct 17	23.644
Apr 17	134.799	Nov 17	29.812
May 17	91.581	Dec 17	101.871
Jun 17	77.100	Jan 18	159.495
Jul 17	32.896		

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Nov 28 - Dec 29	31	9406 Actual		9251 Actual		155		1.029		159.495

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Jan 30

RATE Residential Low Income Heating

Customer Charge										11.70
LIHEAP Enhancement Chg										0.81
Distr Chg Step 1 (Peak)				0.4205	x	125.000	Therms			52.56
Distr Chg Step 2 (Peak)				0.2709	x	34.495	Therms			9.34
Distribution Adj Chg				0.143	x	159.495	Therms			22.81
Energy Efficiency Pgrms				0.0888	x	159.495	Therms			14.16
Total Delivery Services										\$ 111.38

Supply Services

SUPPLIER National Grid

Cost of Gas				0.5291	x	159.495	Therms			84.39
Total Supply Services										\$ 84.39

Other Charges/Adjustments

Gross Earnings Tax				0.0309278	x	195.77				6.05
Total Other Charges/Adjustments										\$ 6.05



www.nationalgridus.com

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Returned Check Charge

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- . you have entered into an acceptable payment agreement, or
- . you have registered with us that all permanent members of your household are 62 or older AND you have entered into an acceptable payment agreement, or
- . you have registered with us, by written notice from a registered physician, that a permanent member of your household is handicapped or seriously ill AND you have entered into an acceptable payment agreement.

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Por favor, hágala traducir inmediatamente.

Traduzir imediatamente.

Traduire immédiatement.



SERVICE FOR
[REDACTED]
CRANSTON RI 02920

BILLING PERIOD
Nov 21, 2017 to Dec 20, 2017

PAGE 1 of 3

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 14, 2018 AMOUNT DUE \$ 79.04

NATURAL GAS BILL

www.nationalgridus.com
CUSTOMER SERVICE
1-800-322-3223
CREDIT DEPARTMENT
1-888-211-1313
GAS EMERGENCIES
1-800-640-1595
POWER OUTAGE OR DOWNED LINE
1-800-465-1212
CORRESPONDENCE ADDRESS
PO Box 960
Northborough, MA 01532-0960
PAYMENT ADDRESS
PO Box 11739
Newark, NJ 07101-4739
DATE BILL ISSUED
Dec 21, 2017

Gas Usage History

Month	Therms	Month	Therms
Feb 17	03	Sep 17	00
Mar 17	48	Oct 17	03
Apr 17	26	Nov 17	25
May 17	11	Dec 17	41
Jun 17	02		
Jul 17	00		
Aug 17	00		

ACCOUNT BALANCE

Previous Balance	56.03
Payment Received on DEC 7 (ACH) <i>THANK YOU</i>	- 56.03
Current Charges	+ 79.04
Amount Due ▶	\$ 79.04

To avoid late payment charges of 1.25%, \$ 79.04 must be received by Jan 14 2018.

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	54.89	21.78		76.67
Other Charges/Adjustments			2.37	2.37
Total Current Charges	\$ 54.89	\$ 21.78	\$ 2.37	\$ 79.04

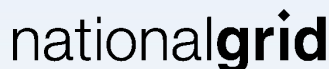
Save time and money! Sign up for paperless billing and receive a \$ 0.34 credit on your monthly bill. Visit our website to enroll today.

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★ **WILL WE BE ABLE TO REACH YOU DURING A POWER OUTAGE?:** During a power outage, phones with a direct link to a local phone line are able to operate. Phones that are **not** directly linked (for example, wireless phones with answering machines) need electricity to make/receive calls. If you would like to register another phone number, such as a cell phone, as your account's primary phone number, please go to www.nationalgrid.com/myaccount to update your information so that we may be able to reach you with important information during power outages.

KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.



PO Box 960
Northborough MA 01532

ACCOUNT NUMBER	PLEASE PAY BY	AMOUNT DUE
[REDACTED]	Jan 14, 2018	\$ 79.04

ENTER AMOUNT ENCLOSED

\$

Write account number on check and make payable to National Grid

*****AUTO**5-DIGIT 02920
[REDACTED]
CRANSTON RI 02920-2841

NATIONAL GRID
PO BOX 11739
NEWARK NJ 07101-4739

000007904 [REDACTED]



SERVICE FOR
[REDACTED]
CRANSTON RI 02920

BILLING PERIOD
Nov 21, 2017 to Dec 20, 2017

PAGE **2 of 3**

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 14, 2018 AMOUNT DUE **\$ 79.04**

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 17, [REDACTED]

Choosing an Energy Supplier You can choose who supplies your energy. No matter which energy supplier you choose, National Grid will continue to deliver energy to you safely, efficiently and reliably. We will also continue to provide your customer service, including emergency response and storm restoration. National Grid is dedicated to creating an open energy market that lets you choose from a variety of competitive energy suppliers, who may offer different pricing options. For information on authorized energy suppliers and how to choose, please visit us online at ngrid.com/ri-energychoice

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Nov 21 - Dec 20	29	907 <i>Actual</i>		867 <i>Actual</i>		40		1.029		41.160

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Jan 24

RATE C&I Small

Customer Charge										22.00
LIHEAP Enhancement Chg										0.81
Distr Chg Step 1 (Peak)				0.5431	x	41.160	Therms			22.35
Distribution Adj Chg				0.1637	x	41.160	Therms			6.74
Energy Efficiency Prgms				0.0726	x	41.160	Therms			2.99
Total Delivery Services										\$ 54.89

Supply Services

SUPPLIER National Grid

Cost of Gas				0.5291	x	41.160	Therms			21.78
Total Supply Services										\$ 21.78

Other Charges/Adjustments

Gross Earnings Tax				0.0309278	x	76.67				2.37
Total Other Charges/Adjustments										\$ 2.37



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Please translate immediately.

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Traduzir imediatamente.

Traduire immédiatement.



SERVICE FOR
[REDACTED]
WARWICK RI 02889

BILLING PERIOD
Dec 7, 2017 to Jan 5, 2018

PAGE 1 of 3

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Feb 1, 2018 AMOUNT DUE \$ 1,579.86

NATURAL GAS BILL

www.nationalgridus.com
CUSTOMER SERVICE
1-800-322-3223
CREDIT DEPARTMENT
1-888-211-1313
GAS EMERGENCIES
1-800-640-1595
POWER OUTAGE OR DOWNED LINE
1-800-465-1212
CORRESPONDENCE ADDRESS
PO Box 960
Northborough, MA 01532-0960
PAYMENT ADDRESS
PO Box 11739
Newark, NJ 07101-4739
DATE BILL ISSUED
Jan 8, 2018

Gas Usage History

Month	Therms	Month	Therms
Jan 17	2082	Aug 17	00
Feb 17	2349	Sep 17	00
Mar 17	1995	Oct 17	00
Apr 17	2183	Nov 17	00
May 17	2224	Dec 17	359
Jun 17	549	Jan 18	1523
Jul 17	00		

ACCOUNT BALANCE

Previous Balance	503.16
Payment Received on DEC 28 (Check) <i>THANK YOU</i>	- 503.16
Current Charges	+ 1,579.86
Amount Due ▶	\$ 1,579.86

To avoid late payment charges of 1.25%, \$ 1,579.86 must be received by Feb 1 2018.

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	726.69	805.78		1,532.47
Other Charges/Adjustments			47.39	47.39
Total Current Charges	\$ 726.69	\$ 805.78	\$ 47.39	\$ 1,579.86



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KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.



ACCOUNT NUMBER	PLEASE PAY BY	AMOUNT DUE
[REDACTED]	Feb 1, 2018	\$ 1,579.86

PO Box 960
Northborough MA 01532

ENTER AMOUNT ENCLOSED

\$

Write account number on check and make payable to National Grid



CROMWELL CT 06416

NATIONAL GRID
PO BOX 11739
NEWARK NJ 07101-4739

000157986 [REDACTED]



SERVICE FOR
[REDACTED]
WARWICK RI 02889

BILLING PERIOD
Dec 7, 2017 to Jan 5, 2018

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Feb 1, 2018 AMOUNT DUE \$ 1,579.86

PAGE 2 of 3

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 7, [REDACTED]

Choosing an Energy Supplier You can choose who supplies your energy. No matter which energy supplier you choose, National Grid will continue to deliver energy to you safely, efficiently and reliably. We will also continue to provide your customer service, including emergency response and storm restoration. National Grid is dedicated to creating an open energy market that lets you choose from a variety of competitive energy suppliers, who may offer different pricing options. For information on authorized energy suppliers and how to choose, please visit us online at ngrid.com/ri-energychoice

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Dec 7 - Jan 5	29	42915 Actual		41435 Actual		1480		1.029		1522.920

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Feb 7

RATE C&I Medium

Customer Charge										70.00
LIHEAP Enhancement Chg										0.81
Distribution Charge				0.1865	x	1522.920 Therms				284.02
Distribution Adj Chg				0.1092	x	1522.920 Therms				166.32
Demand Charge				1.3	x	73.059 Therms				94.98
Energy Efficiency Prgms				0.0726	x	1522.920 Therms				110.56
Total Delivery Services										\$ 726.69

Supply Services

SUPPLIER National Grid

Cost of Gas				0.5291	x	1522.920 Therms				805.78
Total Supply Services										\$ 805.78

Other Charges/Adjustments

Gross Earnings Tax				0.0309278	x	1,532.47				47.39
Total Other Charges/Adjustments										\$ 47.39



www.nationalgridus.com

EXPLANATION OF TERMS

National Grid uses the automated meter reading "Quickread" van to read meters every month in the Providence, RI area. If you receive a bill based on an estimated read, it will be adjusted by the next actual meter reading. Estimated bills are calculated on the history of your account and/or averaging factor.

GAS USED

CCF Basic measurement of the volume of gas used. One CCF equals one hundred cubic feet.

DELIVERY CHARGES

Customer Charge

A portion of the Company's cost to serve you with such items as mailing, system maintenance and record keeping and is not related to the quantity of gas used.

Demand Charge

Medium rate and larger rate business customers receive a demand charge which is based on the customer's maximum average daily quantity (MADQ) and is a fixed rate determined by the demand the customer places on the gas distribution system.

Distribution Charge - Step Charges

In each season, residential heating and small business rates are calculated using two consumption "steps." Step 1 and Step 2 appear when there is Peak/Off peak Season Cross Over and/or Price Change during the billing cycle.

Therm Factor

Converts your usage from CCF into Therms which is a measure of the heating value of the gas you used.

Therm

To calculate therms, multiply the CCF used by the Therm Factor.

Distribution Adjustment Charge (DAC)

is adjusted annually and is used to recover costs and/or share savings related to various services and customer programs. For example, system pressure balancing, earnings sharing, etc.

Cost of Gas

is based on the gas used. The rate is usually adjusted annually to reflect the Company's actual cost to purchase gas on behalf of the customers.

OTHER

GET

Stands for State of Rhode Island Gross Earnings Tax.

Budget Billing Plan

A monthly payment plan that spreads your annual gas costs more evenly throughout the year. This program is free to all residential customers.

Liheap Charge

This charge is required under Rhode Island law and will be used to provide funding for a Low-Income Home Energy Assistance Program ("LIHEAP") Enhancement Plan, designed to assist low-income electric and natural gas households with their home energy and heating needs. By law, this charge may not be more than \$10 per year for each electric or natural gas service account.

Returned Check Charge

Each unpaid check returned to National Grid will result in a charge of \$15.

PROTECTION AGAINST SHUT-OFF*

Natural gas service will not be shut off if:

- . you have made a recent acceptable payment, or
- . you have entered into an acceptable payment agreement, or
- . you have registered with us that all permanent members of your household are 62 or older AND you have entered into an acceptable payment agreement, or
- . you have registered with us, by written notice from a registered physician, that a permanent member of your household is handicapped or seriously ill AND you have entered into an acceptable payment agreement.

Natural gas service will not be shut off during Winter Moratorium (November 1 through April 15) if:

- . you meet any of the above guidelines, or
- . you have registered with us as eligible for heating assistance, or
- . you have registered with us that the principal wage earner in your household is unemployed as verified by a Department of Employment Security (DES) photo ID card or other verification from DES, or
- . your unpaid gas bill does not exceed the amount stated by the RIPUC.

SPECIAL CONDITIONS PREVENT TERMINATION OF SERVICE IF YOU HAVE A CHILD UNDER 24 MONTHS OLD AND A FINANCIAL HARDSHIP.

If you or anyone presently and normally living in your house has a child under 24 months old, we will not terminate your gas service, provided you also have a financial hardship. Please call our Customer Contact Center at (800) 322-3223 immediately if this applies to you.

Residential Consumer Rights

You have the right to dispute your bill. You may place a request to have the bill investigated by calling our Customer Service Department at (800) 322-3223. If you do not agree with the findings of the Company, you may appeal to the Division of Public Utilities and Carriers, Consumer Section at the address listed below.

If you have a problem paying your bill, our Customer Service Representatives will be happy to speak with you about our payment agreement options. If a mutually satisfactory payment agreement cannot be worked out, you may appeal to the Division of Public Utilities and Carriers Consumer Section at the address listed below.

Division of Public Utilities and Carriers Consumer Section

89 Jefferson Boulevard
Warwick, Rhode Island 02888
Toll-Free in RI (401) 780-9700

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Visit our website for a listing of all our Payment Agents.

Website - www.nationalgridus.com

Address all inquiries to:

300 Erie Boulevard West
Syracuse, NY 13202-4201

Attention: Customer Contact Center C-3

Please translate immediately.

Por favor, hágala traducir inmediatamente.

Traduzir imediatamente.

Traduire immédiatement.



SERVICE FOR

RUMFORD RI 02916

BILLING PERIOD

Nov 8, 2017 to Dec 8, 2017

PAGE 1 of 3

ACCOUNT NUMBER

PLEASE PAY BY

Jan 6, 2018

AMOUNT DUE

\$ 4,312.39

NATURAL GAS BILL

www.nationalgridus.com

CUSTOMER SERVICE

1-800-322-3223

CREDIT DEPARTMENT

1-888-211-1313

GAS EMERGENCIES

1-800-640-1595

POWER OUTAGE OR DOWNED LINE

1-800-465-1212

CORRESPONDENCE ADDRESS

PO Box 960

Northborough, MA 01532-0960

PAYMENT ADDRESS

PO Box 11739

Newark, NJ 07101-4739

DATE BILL ISSUED

Dec 13, 2017

ACCOUNT BALANCE

Previous Balance		2,176.15
Payment Received on DEC 7 (Check)	THANK YOU	- 889.48
Payment Received on NOV 13 (Check)	THANK YOU	- 1,286.67
Current Charges		+ 4,312.39
Amount Due ▶		\$ 4,312.39

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	2,001.77	2,181.59		4,183.36
Other Charges/Adjustments			129.03	129.03
Total Current Charges	\$ 2,001.77	\$ 2,181.59	\$ 129.03	\$ 4,312.39



What is the Energy Efficiency Charge on my bill? This charge funds Energy Efficiency programs that can help consumers lower their energy usage and bills, improve comfort in their homes or businesses, and lower pollutants and carbon emissions in our communities. To learn how to take advantage of these programs and your eligibility, please call 1-866-903-2811 or visit www.ngrid.com/ri-ee.



WILL WE BE ABLE TO REACH YOU DURING A POWER OUTAGE?: During a power outage, phones with a direct link to a local phone line are able to operate. Phones that are **not** directly linked (for example, wireless phones with answering machines) need electricity to make/receive calls. If you would like to register another phone number, such as a cell phone, as your account's primary phone number, please go to www.nationalgrid.com/myaccount to update your information so that we may be able to reach you with important information during power outages.

Gas Usage History

Month	Therms	Month	Therms
Dec 16	4111	Jul 17	2508
Jan 17	12724	Aug 17	98
Feb 17	8731	Sep 17	694
Mar 17	10038	Oct 17	717
Apr 17	8633	Nov 17	332
May 17	3634	Dec 17	4123
Jun 17	00		

KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.



ACCOUNT NUMBER

PLEASE PAY BY

AMOUNT DUE

Jan 6, 2018

\$ 4,312.39

PO Box 960
Northborough MA 01532

Please do not mail payment
A separate Summary Bill has been
submitted for payment.

PROVIDENCE RI 02905

000431239



SERVICE FOR
NARRAGANSETT BAY COMMISSION
102 CAMPBELL AVE APT PLNT
RUMFORD RI 02916

BILLING PERIOD
Nov 8, 2017 to Dec 8, 2017

PAGE **2 of 3**

ACCOUNT NUMBER	PLEASE PAY BY	AMOUNT DUE
52111-12001	Jan 6, 2018	\$ 4,312.39

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 9, [REDACTED]

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: 52111-12001 Cycle: 9, NARR

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Nov 8 - Dec 8	30	903964	Estimate	899957	Actual	4007		1.029		4123.203

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Jan 11

RATE C&I Large Low Load

Customer Charge										175.00
LIHEAP Enhancement Chg										0.81
Distribution Charge				0.1727	x	4123.203	Therms			712.08
Distribution Adj Chg				0.0986	x	4123.203	Therms			406.54
Demand Charge				1.3	x	313.845	Therms			408.00
Energy Efficiency Prgms				0.0726	x	4123.203	Therms			299.34
Total Delivery Services										\$ 2,001.77

Supply Services

SUPPLIER National Grid

Cost of Gas				0.5291	x	4123.203	Therms			2,181.59
Total Supply Services										\$ 2,181.59

Other Charges/Adjustments

Paperless Billing Credit										-0.34
Gross Earnings Tax				0.0309278	x	4,183.02				129.37
Total Other Charges/Adjustments										\$ 129.03



www.nationalgridus.com

EXPLANATION OF TERMS

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GAS USED

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Distribution Charge - Step Charges

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Therm Factor

Converts your usage from CCF into Therms which is a measure of the heating value of the gas you used.

Therm

To calculate therms, multiply the CCF used by the Therm Factor.

Distribution Adjustment Charge (DAC)

is adjusted annually and is used to recover costs and/or share savings related to various services and customer programs. For example, system pressure balancing, earnings sharing, etc.

Cost of Gas

is based on the gas used. The rate is usually adjusted annually to reflect the Company's actual cost to purchase gas on behalf of the customers.

OTHER

GET

Stands for State of Rhode Island Gross Earnings Tax.

Budget Billing Plan

A monthly payment plan that spreads your annual gas costs more evenly throughout the year. This program is free to all residential customers.

Liheap Charge

This charge is required under Rhode Island law and will be used to provide funding for a Low-Income Home Energy Assistance Program ("LIHEAP") Enhancement Plan, designed to assist low-income electric and natural gas households with their home energy and heating needs. By law, this charge may not be more than \$10 per year for each electric or natural gas service account.

Returned Check Charge

Each unpaid check returned to National Grid will result in a charge of \$15.

PROTECTION AGAINST SHUT-OFF*

Natural gas service will not be shut off if:

- . you have made a recent acceptable payment, or
- . you have entered into an acceptable payment agreement, or
- . you have registered with us that all permanent members of your household are 62 or older AND you have entered into an acceptable payment agreement, or
- . you have registered with us, by written notice from a registered physician, that a permanent member of your household is handicapped or seriously ill AND you have entered into an acceptable payment agreement.

Natural gas service will not be shut off during Winter Moratorium (November 1 through April 15) if:

- . you meet any of the above guidelines, or
- . you have registered with us as eligible for heating assistance, or
- . you have registered with us that the principal wage earner in your household is unemployed as verified by a Department of Employment Security (DES) photo ID card or other verification from DES, or
- . your unpaid gas bill does not exceed the amount stated by the RIPUC.

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Toll-Free in RI (401) 780-9700

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Syracuse, NY 13202-4201

Attention: Customer Contact Center C-3

Please translate immediately.

Por favor, hágala traducir inmediatamente.

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Traduire immédiatement.



SERVICE FOR
[REDACTED]
LINCOLN RI 02865

BILLING PERIOD
Nov 24, 2017 to Dec 27, 2017

PAGE 1 of 3

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 21, 2018 AMOUNT DUE \$ 9,370.73

NATURAL GAS BILL

www.nationalgridus.com
CUSTOMER SERVICE
1-800-322-3223
CREDIT DEPARTMENT
1-888-211-1313
GAS EMERGENCIES
1-800-640-1595
POWER OUTAGE OR DOWNED LINE
1-800-465-1212
CORRESPONDENCE ADDRESS
PO Box 960
Northborough, MA 01532-0960
PAYMENT ADDRESS
PO Box 11739
Newark, NJ 07101-4739

DATE BILL ISSUED
Dec 28, 2017

Gas Usage History

Month	Therms	Month	Therms
Dec 16	9423	Jul 17	5545
Jan 17	10744	Aug 17	6286
Feb 17	9806	Sep 17	6235
Mar 17	9693	Oct 17	5473
Apr 17	7475	Nov 17	9097
May 17	6432	Dec 17	11431
Jun 17	6391		

ACCOUNT BALANCE

Previous Balance		12,410.67
Payment Received on DEC 20 (Check)	THANK YOU	- 7,565.49
Payment Received on DEC 4 (Check)	THANK YOU	- 4,845.18
Current Charges		+ 9,370.73
Amount Due ▶		\$ 9,370.73

To avoid late payment charges of 1.25%, \$ 9,370.73 must be received by Jan 21 2018.

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	3,801.86	5,554.40		9,356.26
Other Charges/Adjustments			14.47	14.47
Total Current Charges	\$ 3,801.86	\$ 5,554.40	\$ 14.47	\$ 9,370.73

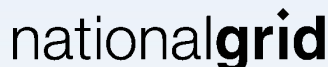
💡 Save time and money! Sign up for paperless billing and receive a \$ 0.34 credit on your monthly bill. Visit our website to enroll today.

🔧 **What is the Energy Efficiency Charge on my bill?** This charge funds Energy Efficiency programs that can help consumers lower their energy usage and bills, improve comfort in their homes or businesses, and lower pollutants and carbon emissions in our communities. To learn how to take advantage of these programs and your eligibility, please call 1-866-903-2811 or visit www.ngrid.com/ri-ee.

★ **WILL WE BE ABLE TO REACH YOU DURING A POWER OUTAGE?:** During a power outage, phones with a direct link to a local phone line are able to operate. Phones that are **not** directly linked (for example, wireless phones with answering machines) need electricity to make/receive calls. If you would like to register another phone number, such as a cell phone, as your account's primary phone number, please go to www.nationalgrid.com/myaccount to update your information so that we may be able to reach you with important information during power outages.

KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.



PO Box 960
Northborough MA 01532

ACCOUNT NUMBER	PLEASE PAY BY	AMOUNT DUE
[REDACTED]	Jan 21, 2018	\$ 9,370.73

ENTER AMOUNT ENCLOSED

\$

Write account number on check and make payable to National Grid

*****AUTO**5-DIGIT 02865

LINCOLN RI 02865-4402

NATIONAL GRID
PO BOX 11739
NEWARK NJ 07101-4739

000937073 [REDACTED]



SERVICE FOR
[REDACTED]
LINCOLN RI 02865

BILLING PERIOD
Nov 24, 2017 to Dec 27, 2017

PAGE **2 of 3**

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 21, 2018 AMOUNT DUE **\$ 9,370.73**

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 19, [REDACTED]

Choosing an Energy Supplier You can choose who supplies your energy. No matter which energy supplier you choose, National Grid will continue to deliver energy to you safely, efficiently and reliably. We will also continue to provide your customer service, including emergency response and storm restoration. National Grid is dedicated to creating an open energy market that lets you choose from a variety of competitive energy suppliers, who may offer different pricing options. For information on authorized energy suppliers and how to choose, please visit us online at ngrid.com/ri-energychoice

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Nov 24 - Dec 27	33	968828 <i>Actual</i>		957719 <i>Actual</i>		11109		1.029		11431.161

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Jan 26

RATE C&I Large High Load

Customer Charge										175.00
LIHEAP Enhancement Chg										0.81
Distribution Charge				0.1007	x	11431.161	Therms			1,151.12
Distribution Adj Chg				0.0906	x	11431.161	Therms			1,035.66
Demand Charge				1.8	x	338.541	Therms			609.37
Energy Efficiency Prgms				0.0726	x	11431.161	Therms			829.90
Total Delivery Services										\$ 3,801.86

Supply Services

SUPPLIER National Grid

Cost of Gas				0.4859	x	11431.161	Therms			5,554.40
Total Supply Services										\$ 5,554.40

Other Charges/Adjustments

Gross Earnings Tax				0.0015463	x	9,356.26				14.47
Total Other Charges/Adjustments										\$ 14.47



www.nationalgridus.com

EXPLANATION OF TERMS

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PROTECTION AGAINST SHUT-OFF*

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- . you have entered into an acceptable payment agreement, or
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Please translate immediately.

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Traduire immédiatement.



SERVICE FOR

EAST PROVIDENCE RI 02914

BILLING PERIOD

Dec 1, 2017 to Jan 2, 2018

ACCOUNT NUMBER

PLEASE PAY BY

Jan 26, 2018

PAGE 1 of 3

AMOUNT DUE

\$ 38,720.76

NATURAL GAS BILL

www.nationalgridus.com

CUSTOMER SERVICE

1-800-322-3223

CREDIT DEPARTMENT

1-888-211-1313

GAS EMERGENCIES

1-800-640-1595

POWER OUTAGE OR DOWNED LINE

1-800-465-1212

CORRESPONDENCE ADDRESS

PO Box 960

Northborough, MA 01532-0960

PAYMENT ADDRESS

PO Box 11739

Newark, NJ 07101-4739

DATE BILL ISSUED

Jan 2, 2018

Gas Usage History

Month	Therms	Month	Therms
Jan 17	29672	Aug 17	2497
Feb 17	31797	Sep 17	762
Mar 17	31809	Oct 17	3350
Apr 17	25998	Nov 17	3195
May 17	15365	Dec 17	23101
Jun 17	5190	Jan 18	28197
Jul 17	3004		

ACCOUNT BALANCE

Previous Balance 17,632.08

Payment Received *No payments have been received during this billing period* - 0.00

Balance Forward 17,632.08

Current Charges + 21,088.68

Amount Due ▶ \$ 38,720.76

To avoid late payment charges of 1.25%, \$ 38,720.76 must be received by Jan 26 2018.

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	5,537.17	14,918.85		20,456.02
Other Charges/Adjustments			632.66	632.66
Total Current Charges	\$ 5,537.17	\$ 14,918.85	\$ 632.66	\$ 21,088.68



Save time and money! Sign up for paperless billing and receive a \$ 0.34 credit on your monthly bill. Visit our website to enroll today.



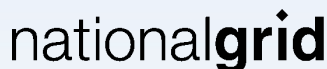
What is the Energy Efficiency Charge on my bill? This charge funds Energy Efficiency programs that can help consumers lower their energy usage and bills, improve comfort in their homes or businesses, and lower pollutants and carbon emissions in our communities. To learn how to take advantage of these programs and your eligibility, please call 1-866-903-2811 or visit www.ngrid.com/ri-ee.



WILL WE BE ABLE TO REACH YOU DURING A POWER OUTAGE?: During a power outage, phones with a direct link to a local phone line are able to operate. Phones that are **not** directly linked (for example, wireless phones with answering machines) need electricity to make/receive calls. If you would like to register another phone number, such as a cell phone, as your account's primary phone number, please go to www.nationalgrid.com/myaccount to update your information so that we may be able to reach you with important information during power outages.

KEEP THIS PORTION FOR YOUR RECORDS.

RETURN THIS PORTION WITH YOUR PAYMENT.



PO Box 960
Northborough MA 01532

ACCOUNT NUMBER

PLEASE PAY BY

AMOUNT DUE

Jan 26, 2018

\$ 38,720.76

ENTER AMOUNT ENCLOSED

\$

Write account number on check and make payable to National Grid

AUTO

EAST PROVIDENCE RI 02914-4530

NATIONAL GRID
PO BOX 11739
NEWARK NJ 07101-4739

002108868



SERVICE FOR

[REDACTED]
[REDACTED]
[REDACTED] CE RI 02914

BILLING PERIOD

Dec 1, 2017 to Jan 2, 2018

ACCOUNT NUMBER

[REDACTED]

PLEASE PAY BY

Jan 26, 2018

PAGE 2 of 3

AMOUNT DUE

\$ 38,720.76

Enrollment Information

To enroll with a supplier or change to another supplier, you will need the following information about your account:

Acct No: [REDACTED] Cycle: 3, [REDACTED]

Choosing an Energy Supplier You can choose who supplies your energy. No matter which energy supplier you choose, National Grid will continue to deliver energy to you safely, efficiently and reliably. We will also continue to provide your customer service, including emergency response and storm restoration. National Grid is dedicated to creating an open energy market that lets you choose from a variety of competitive energy suppliers, who may offer different pricing options. For information on authorized energy suppliers and how to choose, please visit us online at ngrid.com/ri-energychoice

DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Dec 1 - Jan 2	32	641636 Actual		614234 Actual		27402		1.029		28196.658

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Feb 1

RATE C&I Extra Large Low Load

Customer Charge										425.00
LIHEAP Enhancement Chg										0.81
Distribution Charge				0.0328	x	28196.658 Therms				924.85
Distribution Adj Chg				0.0235	x	28196.658 Therms				662.61
Demand Charge				1.3	x	1136.016 Therms				1,476.82
Energy Efficiency Prgms				0.0726	x	28196.658 Therms				2,047.08
Total Delivery Services										\$ 5,537.17

Supply Services

SUPPLIER National Grid

Cost of Gas				0.5291	x	28196.658 Therms				14,918.85
Total Supply Services										\$ 14,918.85

Other Charges/Adjustments

Gross Earnings Tax				0.0309278	x	20,456.02				632.66
Total Other Charges/Adjustments										\$ 632.66



www.nationalgridus.com

EXPLANATION OF TERMS

National Grid uses the automated meter reading "Quickread" van to read meters every month in the Providence, RI area. If you receive a bill based on an estimated read, it will be adjusted by the next actual meter reading. Estimated bills are calculated on the history of your account and/or averaging factor.

GAS USED

CCF Basic measurement of the volume of gas used. One CCF equals one hundred cubic feet.

DELIVERY CHARGES

Customer Charge

A portion of the Company's cost to serve you with such items as mailing, system maintenance and record keeping and is not related to the quantity of gas used.

Demand Charge

Medium rate and larger rate business customers receive a demand charge which is based on the customer's maximum average daily quantity (MADQ) and is a fixed rate determined by the demand the customer places on the gas distribution system.

Distribution Charge - Step Charges

In each season, residential heating and small business rates are calculated using two consumption "steps." Step 1 and Step 2 appear when there is Peak/Off peak Season Cross Over and/or Price Change during the billing cycle.

Therm Factor

Converts your usage from CCF into Therms which is a measure of the heating value of the gas you used.

Therm

To calculate therms, multiply the CCF used by the Therm Factor.

Distribution Adjustment Charge (DAC)

is adjusted annually and is used to recover costs and/or share savings related to various services and customer programs. For example, system pressure balancing, earnings sharing, etc.

Cost of Gas

is based on the gas used. The rate is usually adjusted annually to reflect the Company's actual cost to purchase gas on behalf of the customers.

OTHER

GET

Stands for State of Rhode Island Gross Earnings Tax.

Budget Billing Plan

A monthly payment plan that spreads your annual gas costs more evenly throughout the year. This program is free to all residential customers.

Liheap Charge

This charge is required under Rhode Island law and will be used to provide funding for a Low-Income Home Energy Assistance Program ("LIHEAP") Enhancement Plan, designed to assist low-income electric and natural gas households with their home energy and heating needs. By law, this charge may not be more than \$10 per year for each electric or natural gas service account.

Returned Check Charge

Each unpaid check returned to National Grid will result in a charge of \$15.

PROTECTION AGAINST SHUT-OFF*

Natural gas service will not be shut off if:

- . you have made a recent acceptable payment, or
- . you have entered into an acceptable payment agreement, or
- . you have registered with us that all permanent members of your household are 62 or older AND you have entered into an acceptable payment agreement, or
- . you have registered with us, by written notice from a registered physician, that a permanent member of your household is handicapped or seriously ill AND you have entered into an acceptable payment agreement.

Natural gas service will not be shut off during Winter Moratorium (November 1 through April 15) if:

- . you meet any of the above guidelines, or
- . you have registered with us as eligible for heating assistance, or
- . you have registered with us that the principal wage earner in your household is unemployed as verified by a Department of Employment Security (DES) photo ID card or other verification from DES, or
- . your unpaid gas bill does not exceed the amount stated by the RIPUC.

SPECIAL CONDITIONS PREVENT TERMINATION OF SERVICE IF YOU HAVE A CHILD UNDER 24 MONTHS OLD AND A FINANCIAL HARDSHIP.

If you or anyone presently and normally living in your house has a child under 24 months old, we will not terminate your gas service, provided you also have a financial hardship. Please call our Customer Contact Center at (800) 322-3223 immediately if this applies to you.

Residential Consumer Rights

You have the right to dispute your bill. You may place a request to have the bill investigated by calling our Customer Service Department at (800) 322-3223. If you do not agree with the findings of the Company, you may appeal to the Division of Public Utilities and Carriers, Consumer Section at the address listed below.

If you have a problem paying your bill, our Customer Service Representatives will be happy to speak with you about our payment agreement options. If a mutually satisfactory payment agreement cannot be worked out, you may appeal to the Division of Public Utilities and Carriers Consumer Section at the address listed below.

Division of Public Utilities and Carriers Consumer Section

89 Jefferson Boulevard
Warwick, Rhode Island 02888
Toll-Free in RI (401) 780-9700

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Visit our website for a listing of all our Payment Agents.

Website - www.nationalgridus.com

Address all inquiries to:

300 Erie Boulevard West
Syracuse, NY 13202-4201

Attention: Customer Contact Center C-3

Please translate immediately.

Por favor, hágala traducir inmediatamente.

Traduzir imediatamente.

Traduire immédiatement.



SERVICE FOR
[REDACTED]
PROVIDENCE RI 02903

BILLING PERIOD
Nov 8, 2017 to Dec 11, 2017

PAGE 1 of 3

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 4, 2018 AMOUNT DUE \$ 13,608.53

NATURAL GAS BILL

www.nationalgridus.com
CUSTOMER SERVICE
1-800-322-3223
CREDIT DEPARTMENT
1-888-211-1313
GAS EMERGENCIES
1-800-640-1595
POWER OUTAGE OR DOWNED LINE
1-800-465-1212
CORRESPONDENCE ADDRESS
PO Box 960
Northborough, MA 01532-0960
PAYMENT ADDRESS
PO Box 11739
Newark, NJ 07101-4739
DATE BILL ISSUED
Dec 11, 2017

Gas Usage History

Month	Therms	Month	Therms
Dec 16	23516	Jul 17	9737
Jan 17	20366	Aug 17	9190
Feb 17	16888	Sep 17	12039
Mar 17	16602	Oct 17	13296
Apr 17	16816	Nov 17	15936
May 17	9532	Dec 17	18897
Jun 17	12983		

ACCOUNT BALANCE

Previous Balance	11,381.47
Payment Received on NOV 30 (Check) <i>THANK YOU</i>	- 11,381.47
Current Charges	+ 13,608.53
Amount Due ▶	\$ 13,608.53

To avoid late payment charges of 1.25%, \$ 13,608.53 must be received by Jan 4 2018.

SUMMARY OF CURRENT CHARGES

	DELIVERY SERVICES	SUPPLY SERVICES	OTHER CHARGES/ ADJUSTMENTS	TOTAL
Gas Service	4,018.78	9,181.84		13,200.62
Other Charges/Adjustments			407.91	407.91
Total Current Charges	\$ 4,018.78	\$ 9,181.84	\$ 407.91	\$ 13,608.53



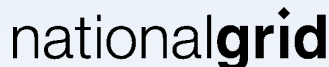
What is the Energy Efficiency Charge on my bill? This charge funds Energy Efficiency programs that can help consumers lower their energy usage and bills, improve comfort in their homes or businesses, and lower pollutants and carbon emissions in our communities. To learn how to take advantage of these programs and your eligibility, please call 1-866-903-2811 or visit www.ngrid.com/ri-ee.



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PO Box 960
Northborough MA 01532

ACCOUNT NUMBER	PLEASE PAY BY	AMOUNT DUE
[REDACTED]	Jan 4, 2018	\$ 13,608.53

ENTER AMOUNT ENCLOSED

\$

Write account number on check and make payable to National Grid

[REDACTED]
EDEN PRAIRIE MN 55344

NATIONAL GRID
PO BOX 11739
NEWARK NJ 07101-4739

001360853 [REDACTED]



SERVICE FOR
[REDACTED]
PROVIDENCE RI 02903

BILLING PERIOD
Nov 8, 2017 to Dec 11, 2017

PAGE **2 of 3**

ACCOUNT NUMBER [REDACTED] PLEASE PAY BY Jan 4, 2018 AMOUNT DUE \$ 13,608.53

Enrollment Information

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Acct No: [REDACTED] Cycle: 9, [REDACTED]

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DETAIL OF CURRENT CHARGES

Delivery Services

Service Period	No. of days	Current Reading	-	Previous Reading	=	Measured CCF	x	Therm Factor	=	Therms Used
Nov 8 - Dec 11	33	305390	Actual	287026	Actual	18364		1.029		18896.556

METER NUMBER [REDACTED] NEXT SCHEDULED READ DATE ON OR ABOUT Jan 11

RATE C&I Extra Large High Load

Customer Charge										425.00
LIHEAP Enhancement Chg										0.81
Distribution Charge				0.0256	x	18896.556	Therms			483.75
Distribution Adj Chg				0.0197	x	18896.556	Therms			372.26
Demand Charge				1.8	x	758.373	Therms			1,365.07
Energy Efficiency Prgms				0.0726	x	18896.556	Therms			1,371.89
Total Delivery Services										\$ 4,018.78

Supply Services

SUPPLIER National Grid

Cost of Gas				0.4859	x	18896.556	Therms			9,181.84
Total Supply Services										\$ 9,181.84

Other Charges/Adjustments

Paperless Billing Credit										-0.34
Gross Earnings Tax				0.0309278	x	13,200.28				408.25
Total Other Charges/Adjustments										\$ 407.91



www.nationalgridus.com

EXPLANATION OF TERMS

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- . you have entered into an acceptable payment agreement, or
- . you have registered with us that all permanent members of your household are 62 or older AND you have entered into an acceptable payment agreement, or
- . you have registered with us, by written notice from a registered physician, that a permanent member of your household is handicapped or seriously ill AND you have entered into an acceptable payment agreement.

Natural gas service will not be shut off during Winter Moratorium (November 1 through April 15) if:

- . you meet any of the above guidelines, or
- . you have registered with us as eligible for heating assistance, or
- . you have registered with us that the principal wage earner in your household is unemployed as verified by a Department of Employment Security (DES) photo ID card or other verification from DES, or
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Warwick, Rhode Island 02888
Toll-Free in RI (401) 780-9700

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Website - www.nationalgridus.com

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300 Erie Boulevard West
Syracuse, NY 13202-4201

Attention: Customer Contact Center C-3

Please translate immediately.

Por favor, hágala traducir inmediatamente.

Traduzir imediatamente.

Traduire immédiatement.

Division 7-4

Request:

Re: the Direct Testimony of Witness Normand at page 9 of 31, line 19, through page 10, line 3.
Please provide an explanation of the ratemaking principal that supports the use of “*some rational basis*” as a substitute for a more cost causative relationship.

Response:

In terms of describing allocation and allocators used in the cost of service study “some rational basis” is meant to refer to “cost causation.”

Division 7-5

Request:

Re: the Direct Testimony of Witness Normand at page 10 of 31. Please:

- a. Identity the components of the costs that comprise Narragansett Gas' Intangible Plant.
- b. Explain how the incurrence of costs for each component of Narragansett Gas' Intangible Plant costs is cost-causatively related to:
 1. The Company's incurrence of its "total plant" costs;
 2. The Company's incurrence of "total labor" costs.

Response:

- a. Please refer to Schedule PMN-3, Pages 3 and 4, Lines 1 through 3,¹ for the components that comprise Intangible Plant. The components are Gas Franchises & Consents, Miscellaneous Intangible Plant, and Miscellaneous Intangible Plant – Capital Software.
- b. Acct 302.00 - Gas Franchises & Consents - \$213,499 relates mostly to the investment in the gas utility and was allocated on total plant in service "PLANT".

Acct 303.00 - Miscellaneous Intangible Plant - \$5,085 relates to small intangible items and were allocated on total plant in service "PLANT".

Acct 303.01 – Miscellaneous Intangible Capitalized Software - \$29,888,379 relates to capitalized software used by the Company and labor costs are the main cost driver. The "LABOR" allocator, which is the total of the test year labor costs, was used as an allocator.

¹ See Bates Pages 50-51 of Book 13.

Division 7-6

Request:

Re: the Direct Testimony of Witness Normand at page 11 of 31, lines 5-16; Schedule PMN-3, Rate Design, pages 43 and 44 of 74; and Schedule PMN-9, pages 1-8. Please provide the electronic spreadsheet files, data, analyses, and assumptions used to compute the Distribution RSUM allocator for each rate class that Witness Normand has used in this proceeding.

Response:

Please refer to the Excel workpapers files accompanying the Company's I initial filing with the filename "1-18 Design Winter Sales rate year Rev 10-19-17.xlsx", and the tab named "RSUM." Also, please refer to Schedule PMN-9, Pages 2-9 (Bates Pages 18-25 of Book 14) and Pages 10-23 (Bates Pages 10-23 of Book 14).

Division 7-7

Request:

Re: the Direct Testimony of Witness Normand at page 12 of 31, lines 8-10. Please identify and document each "factor" taken from:

- a. Narragansett Gas' continuing property records;
- b. Narragansett Gas' general accounting records;
- c. Other available sources.

Response:

Please refer to Schedule PMN-6, Pages 2-3 (Bates Pages 208-209 of Book 13) for a description of the Customer Function Allocators employed in Narragansett Gas' class allocated cost of service study (ACOSS).

- a. The number of meters and number of services by rate class were extracted from National Grid's customer records contained in the billing system and GIS mapping system.
- b. Detail for FERC accounts 903 (Customer Records and Collection Expenses) and 908 (Customer Assistance Expenses) was taken from Narragansett Gas' general accounting records and grouped by function (credit and collections, billing services, etc.) in order to weight appropriate cost allocators and derive a composite allocator for customer expenses.
- c. Other factors taken from various sources include:
 - Meter replacement costs were taken from National Grid's meter purchasing group.
 - Meter reading costs were estimated by National Grid's Customer Metering Services (CMS) group.
 - Customer deposits were derived by querying Narragansett Gas' billing system.
 - Cost per service was estimated for 2" services, 2"- 4" services, and greater than 4" services by Narragansett Gas' Process and Performance group.

Division 7-8

Request:

Re: the Direct Testimony of Witness Normand at page 12 of 31, lines 13-15. Please provide the workpapers, data, analyses, and assumptions relied by to assess the "total number of services" for each rate class. Please include in the response to this request any and all information developed by or for the Company with respect to:

- a. The numbers instances in which more than one account is served through a single service line;
- b. The number accounts for each rate class that are served through shared service lines.

Response:

Please refer to the Excel workpapers files accompanying the Company's initial filing having the filename "Response to 1-22 and 1-24 Service Allocators (Sch PMN-9 Pg 44).xlsx". The Company identified the number of services by rate class by utilizing its GIS mapping system, while making a few assumptions in cases where the system did not contain the necessary data, as demonstrated in its workpaper file.

- a. Narragansett Gas does not have information regarding how many accounts are served off of each service, but it does have limited information for instances where a single service line provides gas service to more than one rate class. This information is retained in the Company's GIS mapping system, which was used to identify the number of services per rate class. The system stores service line data based on premises and is able to identify instances where one service line is associated with multiple rate classes. Based on the information in the GIS system, there are approximately 7,700 services where each has at least two different rate classes applicable to it. Of this quantity, approximately 4,100 share either the two residential heating classes (Rates 12 and 13) or the two residential non-heating classes (Rates 11 and 12). The system does not store the number of accounts for each rate class identified, only that there is more than one rate class served off of a single service line. Therefore, the 7,700 services would not include shared services where all the accounts sharing the service are with the same rate class. Therefore, the information above is not indicative of the total number of services with multiple accounts, but rather the number of services that are assigned more than one rate class.
- b. Please see the response to part a. above.

Division 7-9

Request:

Re: the Direct Testimony of Witness Normand at page 12 of 31, lines 15-17. Please provide the workpapers, data, analyses, and assumptions relied upon to assess "typical replacement costs for meters used to serve each rate class."

Response:

Please refer to the Excel workpaper file accompanying the Company's response to Division 7-1 with the filename "1-21 1-23 Meter Allocators.xlsx".

Division 7-10

Request:

Re: the Direct Testimony of Witness Normand at page 13 of 31, lines 8-10. Please identify and quantify the "capitalized labor" costs by FERC account that are included in the development of Witness Normand's LABOR allocator.

Response:

Please refer to Schedule PMN-3, Pages 39 through 40, Lines 25 and 26,¹ for the capitalized labor costs included in the development of the LABOR allocator, which include costs related to Construction Work in Progress and Retirement Work in Progress, for Distribution Plant (Line 25) and LNG Plant (Line 26). The costs were reviewed and classified as \$25,424,135 Distribution Plant related and \$2,508,356 as LNG Plant related.

¹ See Bates Pages 86-87 of Book 13.

Division 7-11

Request:

Re: the Direct Testimony of Witness Normand at page 14 of 31, lines 8-10. Please:

- a. Verify that non-firm margins are no longer subject to sharing for the Company's Rhode Island operations.
- b. Explain why Non-Firm Service is not shown as a separate class within the Company's class cost of service allocation study.
- c. Specific all criteria that the witness believes would need to be met to Non-Firm Service to be treated in the same manner as firm service rate classifications within the Company's class cost of service allocations.

Response:

- a. Non-firm margins are no longer subject to sharing pursuant to the Public Utilities Commission's (PUC) decision in Narragansett Gas's annual Distribution Adjustment Charge filing in Docket No. 4708. In this proceeding, Narragansett Gas and the Division of Public Utilities and Carriers (Division) jointly recommended to the PUC that it approve the elimination of the On-System Margin Credit factor. This factor reconciled the actual non-firm margin with the amount of non-firm margin credited to Narragansett Gas's class cost of service, subject to adjustment for any reduction in non-firm customers, upon which it designed base distribution rates approved by the PUC in the Company's 2012 general rate case in Docket No. 4323. The PUC approved the joint recommendation of Narragansett Gas and the Division at the conclusion of the hearing held on October 30, 2017.
- b. The class cost of service is prepared to reflect firm service with the majority of costs directly related to firm service. Therefore, non-firm service is appropriately excluded from Narragansett Gas's proposed class cost of service. However, as a result of Narragansett Gas's settlement in its general rate case approved by the PUC in Docket No. 4323, Narragansett Gas has included a separate illustrative class cost of service showing non-firm service as a separate class in the filed workpapers. Please see Schedule PMN-9, Pages 49-122 (see Bates Pages 65-138 of Book 14).
- c. The main criteria for classifying a customer as Non-Firm Service is that Narragansett Gas does not use a non-firm customer's peak load in the planning process for plant investments because the customer is subject to interruption by Narragansett Gas in the event that Narragansett Gas requires such an interruption to provide reliable service to its

firm customers. Consequently, a non-firm customer is not receiving the same level of reliable delivery service as provided to a firm customer. A non-firm customer would be treated in the same manner as a firm customer in Narragansett Gas's class cost of service allocations only if the customer returned to firm service and was accounted for in Narragansett Gas's planning process for plant investments.

Division 7-12

Request:

Re: the Direct Testimony of Witness Normand at page 14 of 31, lines 8-10. Please:

- a. Identify and quantify all elements of non-firm revenue that the Company includes within the "non-firm revenue margins" that are allocated among rate classes on the distribution DISTR allocator.
- b. Provide the workpapers, data, analyses, and assumptions relied upon to support the appropriateness of allocating non-firm revenue margins among the Company's firm gas service rate classifications.

Response:

- a. Narragansett Gas included the base distribution charges component of non-firm customers rate year billings as the revenue credit allocated among rate classes based on the distribution DISTR allocator. As shown on Schedule PMN-3, Page 15, Line 3 (see Bates Page 62 of Book 13), the non-firm revenue allocated among rate classes on the DISTR allocator totals \$1,388,117.
- b. Non-firm customers are subject to interruption (coldest days, etc.) and use the unused capacity of the distribution plant that was installed for the benefit of firm customers. The revenue generated by the use of the distribution capacity by non-firm customers is appropriate in that they are benefiting from the distribution system, and it would be inequitable for firm customers to not realize the benefit of the revenue generated by paying for 100 percent of the cost of the system. The non-firm margins from these interruptible customers are therefore allocated to firm customers using the "DISTR" allocator, which is the distribution plant capacity allocator.

Division 7-13

Request:

Re: the Direct Testimony of Witness Normand at page 15 of 31, lines 3-5. Please identify and quantify each element of Operation and Maintenance expenses that the witness classifies as "plant-related capacity expenses.

Response:

The functionalization of Operation and Maintenance costs into the "plant" related capacity expenses is shown in Schedule PMN-4, Pages 17-26 (Bates Pages 139-148 of Book 13). The column labeled "CAP-PROD-LNG" shows the cost functionalized as LNG capacity costs. The column labeled "CAP-DST-OTH" show the costs functionalized as distribution capacity excluding distribution mains four inches and below. The column labeled "CAP-DST-FAC" shows the costs functionalized as mains four inches and below. The column labeled "CAPACITY" shows the sum of the three functions described above.

Division 7-14

Request:

Re: the Direct Testimony of Witness Normand at page 16 of 31, lines 5-7. Please explain the meaning of the phrase "existing and equalized revenue requirement levels" as it is used by the witness. If "equalized revenue requirement levels" are intended to reference revenue requirements at equalized class rates of return, so state. If a different meaning is intended, please explain the intended meaning and document the witness' determination of "equalized revenue requirement levels."

Response:

The phrase "existing revenue requirement levels" refers to existing revenues and the rates of return they produce in a cost of service study. Please see Schedule PMN-2, Pages 3-4, Line 5, for existing revenue levels and Line 3 for rates of return at existing rates (see Bates Pages 44-45 of Book 13).

The phrase "equalized revenue requirement levels" refers to revenue requirements at equalized class rates of return. Please see Schedule PMN-2, Pages 3-4, Line 10 for equalized rates of return revenue levels and Line 8 for the claimed rates of return that produce the equalized revenue levels (see Bates Pages 44-45 of Book 13).

Division 7-15

Request:

Re: the Direct Testimony of Witness Normand at page 16 of 31, lines 15-19. Please:

- a. Provide the witness' quantification of the rates of return that the residential low-income classes would generate if shown separately in the Company's Allocated Cost of Service Study.
- b. Document and quantify the subsidies to low income residential classes (R11 and R13) that the witness has included in his cost studies.

Response:

- a. An Allocated Cost of Service Study (ACOSS) should group customers that are homogeneous and exhibit similar service needs, usage, and cost to serve. Because these characteristics for a non-low income residential customer and a low income residential customer are fundamentally the same, it is appropriate to group them together in an ACOSS. Revising the ACOSS model and associated external allocators to split out the residential low income rate classes would be administratively burdensome.
- b. There are no subsidies to customers on Narragansett Gas's low income rate classes included in the Rate Design Schedule PMN-7 (Bates Pages 2-7 of Book 14) since low income customers' rate year billing determinants were priced at the full undiscounted residential rates. The statements on Page 16, Lines 17-19, of the pre-filed direct testimony of Company Witness Paul M. Normand (Bates Page 19 of Book 13) indicate that low income subsidies are reflected in the analyses of present rates and revenues only, as found on Schedule PMN-2, Pages 3 and 4, Lines 1 through 7 (see Bates Pages 44-45 of Book 13). Narragansett Gas has estimated the rate year subsidies for the residential heating and non-heating rate classes in Schedule PP-2, Page 2 (Bates Page 58 of Book 15), Line (13), Column (c) and Column (f), respectively.

Division 7-16

Request:

Re: the Direct Testimony of Witness Normand at page 20 of 31, lines 1-3 where reference is made to "some rather large increases." Please:

- a. Identify all criteria used by Witness Normand to assess the acceptability of above average revenue increase percentages for each rate class.
- b. Document and explain the witness' rationale for when in the context of the Company's overall revenue increase request in this proceeding an increase for an individual rate class becomes "rather large."

Response:

- a. The above-average revenue increase proposed for some customer classes is but a small step to improving the individual class rate of return and existing inequities (subsidies) that are rather large for some classes (see Schedule PMN-2, Page 3, Lines 3, 11 and 12¹). A major component of their existing inequities is the partial recovery of fixed costs relating to services and meters through the volumetric charge, resulting in the subsidization of low use classes by high use classes.
- b. A rather large proposed increase is a function of the Company's overall revenue increase coupled with the existing subsidies and pricing levels that demonstrate class inequities. The larger the overall increase (over 10 percent), the lesser should the individual class increase be moderated, as was done in this proposed rate design where a target or cap increase was established for individual classes that was 15 percent greater than the overall average increase (Table 1, Page 22 of the pre-filed direct testimony of Company Witness Paul M. Normand²).

¹ See Bates Page 44 of Book 13.

² See Bates Page 25 of Book 13.

Division 7-17

Request:

Re: the Direct Testimony of Witness Normand at page 21 of 31, line 1. Please document and explain the derivation of the 1.15 multiplier used to establish the proposed cap for percentage increases in revenue requirements by class.

Response:

Utilizing a 1.15 multiplier in the revenue capping process allows for some differentiation between rate class increases in order to afford some movement towards equalized rates of return, while also ensuring that no rate class receives an increase that is unfair or out of line with the other classes, as shown in Table 1 on Page 22 of the Pre-filed Direct Testimony of Company Witness Paul M. Normand (Bates Page 25 of Book 13). Please see the Company's response to Division 7-16(b) for further discussion of the 1.15 multiplier.

Division 7-18

Request:

Re: the Direct Testimony of Witness Normand at page 22 of 31. Please explain why the Proposed "Total Narragansett Gas" increase shown on the last line of Table 1 is less than the "Total Narragansett Gas" Increase to Uniform ROR shown on the same line.

Response:

The increase is less than the overall increase at uniform rates of return because the proposed volumetric rates are truncated at four decimal places, resulting in a lower total revenue recovery (please see Schedule PMN-7, Page 4, Columns (V) – (Z)) (Bates Page 5 of Book 14).

Division 7-19

Request:

Re: the Direct Testimony of Witness Normand at page 22 of 31. Please:

- a. Provide citation to, and the specific language of, the portion of the Commission's order in Narragansett Gas' 2012 Rate Case that approved the elimination of "all existing block structure" for gas service rate classes.
- b. Verify that Narragansett Gas' current rates include blocked distribution charges for Residential Heat and Small C&I customers served under Rates 12, 13, and 21.

Response:

- a. The pre-filed direct testimony of Company Witness Paul M. Normand refers to the existing block structure as approved for Narragansett Gas in the Company's 2012 rate case in Docket No. 4323, and did not intend to indicate that the elimination of the block structure was approved in the 2012 rate case.
- b. Narragansett Gas confirms that the Residential Heating and Small C&I rate classes (Rates 12, 13, and 21) have blocked distribution rates, as noted in Schedule PMN-7, Page 1 (Current Rates), Rows 11-20, Columns (M) and (N) (see Bates Page 2 of Book 14).

Division 7-20

Request:

Re: the Direct Testimony of Witness Normand at page 23 of 31, determination of proposed customer charges for gas service customers. Please:

- a. Provide all actual cost data and analyses relied upon to assess the reasonableness and appropriateness of the \$735 per month customer charge for Non-Firm customers.
- b. Verify that the Company's current Gas Tariff includes three different levels of customer charges for Non-Firm Transportation (NFT) Service customers, and demonstrate the relationship between those current tariff charges and the \$625 per month "Current" customer charge for Non-Firm shown in Table 2.
- c. Explain how the proposed customer charge for Non-Firm customers considers the provisions of the Company's tariff that require that customers who take Non-Firm Transportation Service must have telemetering equipment in-place.
- d. Explain how the proposed customer charge for Non-Firm customers the proposed requirement in Section 6, Transportation Terms and Conditions, Schedule C, Sheet 15, Item 2.02.0, Telemetering, that may require NFT customers to pay an "initial lump sum fee" for a meter equipped with a wireless module and pay an annual fee for a "data plan."

Response:

- a. To derive the \$735 monthly customer charge for these large Non-Firm customers, the rate design approach simply applied the same percent increase as the C&I Extra Large customer class of 117.65% ($\$500 \text{ proposed customer charge} \div \$425 \text{ current customer charge}$). Narragansett Gas took several factors into account in deciding to consolidate the Non-Firm customer charges to a single uniform charge for Non-Firm Sales and Non-Firm Transportation customers. Consolidation would simplify the rate structure for Non-Firm customers, of which only 11 currently exist. There are two customers on the Non-Firm Sales rate, which is closed to new customers, and nine customers on the Non-Firm Transportation rate, which has experienced a steady decline in customers over the past several years. All 11 Non-Firm customers are Extra Large customers, so it was logical to consolidate the customer charge based on the proposed increase in the Extra Large rate class's customer charge.
- b. Table 2 on Page 23 of the pre-filed direct testimony of Company Witness Paul M. Normand (Bates Page 26 of Book 13) shows the existing \$625 customer charge for Extra Large Non-Firm (Sales) customers. Narragansett Gas's current tariff also includes a

customer charge of \$405 for Large Non-Firm Sales customers and \$185 for Medium Non-Firm Sales Customers. The tariffs also include customer charges for Extra Large, Large, and Medium Non-Firm Transportation customers of \$715, \$485, and \$275, respectively.

- c. The provisions of Narragansett Gas's Transportation Terms and Conditions, Schedule PP-5-GAS, Section 6, Schedule C, Sheet 15 (Bates Page 244 of Book 17), indicate that the Non-Firm Transportation (NFT) customer is only responsible for the device that attaches to Narragansett Gas's meter that allows for the monitoring of gas usage through a telephone landline. This provision also obligates the NFT customer to arrange and be responsible for the cost of a telephone landline. These two costs are applicable to NFT customers and are not applicable to firm sales customers. Narragansett Gas installs a meter at a NFT customer's service location just as it does on a firm sales customer's service location, and the NFT customer does not compensate Narragansett Gas for the installed cost of that meter. However, because the NFT customer is required to telemeter, it has been determined appropriate for the NFT customer to pay the cost of the device supplied by Narragansett Gas. Therefore, the proposed NFT customer charge is reasonable and appropriate with respect to a NFT customer's requirement to telemeter.
- d. Please see the response to part c. above.

Division 7-21

Request:

Re: Schedule PMN-7, Rate Design, page 3 of 6. Please:

- a. Provide the price elasticity analyses or other analyses relied upon by the Company to assess the expected impacts of the proposed changes in distribution charges on gas use for each rate class.
- b. Provide the Company's assessment of the expected impacts of its proposed rates and charges on gas use by rate class, as well as all supporting workpapers for that assessment.
- c. For C&I Small Sales and Transportation (FT-2) services, explain the rationale for the comparatively large percentage increases shown in Column (AA) for Off-Peak service and the comparatively small increases computed for On-Peak service.

Response:

- a. Price elasticities are not readily available for Narragansett Gas's service territory to provide any credible result that would support any impact analysis by customer class.
- b. There is no available analysis that quantifies separately the impact on gas consumption resulting from any increase in base distribution rates after any consideration for Narragansett Gas's various energy efficiency programs.
- c. The C&I Small rate class increase has a greater impact in the Off-Peak period than in the Peak period as a result of the proposed customer charge, which is the same in both periods, and is proposed to increase by 59 percent. Since the number of customers and, hence, the number of bills, are relatively constant between both periods, the level of customer charge revenue is also relatively similar in both period. The class's seasonal revenue requirement is greater in the Peak period than the Off Peak period, resulting in 29 percent of the Peak period revenue requirement recovered through the proposed customer charge and 67 percent of the Off-Peak revenue requirement recovered through the proposed customer charge. Since more of the Off-Peak revenue requirement is recovered through the customer charge, increasing the customer charge by 59 percent created a more pronounced increase in the Off-Peak period as compared to the Peak period. The overall increase to the Small C&I rate class is 16.52 percent and sub classes with a higher percent of customer charge revenues to their total revenues will receive a higher overall increase as is the case with the Off-Peak sub classes.

Division 7-22

Request:

Re: Schedule PMN-9, page 2 of 136. Please:

- a. Provide the full supporting detail for the witness' determination of the "billing days" by month shown in the second column from the left in the lower portion of the presentation on page 2 of 136 in Schedule PMN-9.
- b. Document and explain the relationship between the "Normalized Sales (dth) Cycle Billed" shown in page 2 of 136 in Schedule PMN-9 and the "Normalized Sales (dth) Monthly Billed" shown on page 3 of 136.
- c. Verify that the RSUM Allocation Factor development is premised on average daily use within each "billing" or "cycle" month and does not address fluctuations in daily use (e.g., daily peak requirements) with a "billing" or "cycle" month.
- d. Please identify and explain the cost-causative relationship between normal weather daily average gas use by "billing month" and/or "cycle month" and the factors that determine the Company's sizing and costs for distribution mains.

Response:

- a. Please refer to Attachment DIV 7-22 for the derivation of the billing days by month.
- b. The "Normalized Sales (dth) Cycle Billed" reflects usage for customers who are billed on a cycle billing basis. The "Normalized Sales (dth) Monthly Billed" reflects usage for daily metered customers who are billed on calendar month basis. Narragansett Gas differentiated these two groups of customers to more accurately calculate the sales per billing day by dividing the usage for cycle billed customers by the number of cycle billing days, and dividing the usage for calendar month billed customers by the number of calendar days. The resulting sales per billing day for each group are then aggregated in order to derive the RSUM allocation factors.
- c. The RSUM allocation factor is utilized as a proxy for design day as discussed in the response part d. below, and does not consider the daily fluctuations that are not a primary driver for planning purposes of distribution plant.
- d. The sizing and costs for distribution mains is primarily driven by Narragansett Gas's design day requirements of firm customers. To provide a proxy to a single day design for class allocation, Narragansett Gas used a procedure called proportional responsibility to

weight the various months of the year, with the coldest months being more heavily weighted, and results in 86 percent of the allocator assigning costs to the winter period (please see the pre-filed direct testimony of Company Witness Paul M. Normand, Pages 10-12 (Bates Pages 13-15 of Book 13) and Workpapers, Schedule PMN-9, Pages 1-22 (Bates Pages 17-38 of Book 14)).

Derivation of Billing Days

Cycle	2016 Meter Reading Schedule						2017 Meter Reading Schedule					
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June
1	30-Jun	1-Aug	30-Aug	29-Sep	28-Oct	30-Nov	29-Dec	30-Jan	28-Feb	30-Mar	1-May	31-May
2	1-Jul	2-Aug	31-Aug	30-Sep	31-Oct	1-Dec	30-Dec	31-Jan	1-Mar	31-Mar	2-May	1-Jun
3	5-Jul	3-Aug	1-Sep	3-Oct	1-Nov	2-Dec	3-Jan	1-Feb	2-Mar	3-Apr	3-May	2-Jun
4	6-Jul	4-Aug	2-Sep	4-Oct	2-Nov	5-Dec	4-Jan	2-Feb	3-Mar	4-Apr	4-May	5-Jun
5	7-Jul	5-Aug	6-Sep	5-Oct	3-Nov	6-Dec	5-Jan	3-Feb	6-Mar	5-Apr	5-May	6-Jun
6	8-Jul	8-Aug	7-Sep	6-Oct	4-Nov	7-Dec	6-Jan	6-Feb	7-Mar	6-Apr	8-May	7-Jun
7	11-Jul	9-Aug	8-Sep	7-Oct	7-Nov	8-Dec	9-Jan	7-Feb	8-Mar	7-Apr	9-May	8-Jun
8	12-Jul	10-Aug	9-Sep	11-Oct	8-Nov	9-Dec	10-Jan	8-Feb	9-Mar	10-Apr	10-May	9-Jun
9	13-Jul	11-Aug	12-Sep	12-Oct	9-Nov	12-Dec	11-Jan	9-Feb	10-Mar	11-Apr	11-May	12-Jun
10	14-Jul	12-Aug	13-Sep	13-Oct	10-Nov	13-Dec	12-Jan	10-Feb	14-Mar	12-Apr	12-May	14-Jun
11	15-Jul	16-Aug	14-Sep	14-Oct	14-Nov	14-Dec	13-Jan	13-Feb	15-Mar	13-Apr	16-May	15-Jun
12	19-Jul	17-Aug	15-Sep	17-Oct	15-Nov	15-Dec	17-Jan	14-Feb	16-Mar	18-Apr	17-May	16-Jun
13	20-Jul	18-Aug	16-Sep	18-Oct	16-Nov	16-Dec	18-Jan	15-Feb	17-Mar	19-Apr	18-May	19-Jun
14	21-Jul	19-Aug	20-Sep	19-Oct	17-Nov	19-Dec	19-Jan	16-Feb	20-Mar	20-Apr	19-May	20-Jun
15	22-Jul	22-Aug	21-Sep	20-Oct	18-Nov	20-Dec	20-Jan	17-Feb	21-Mar	21-Apr	22-May	21-Jun
16	25-Jul	23-Aug	22-Sep	21-Oct	21-Nov	21-Dec	23-Jan	21-Feb	22-Mar	24-Apr	23-May	22-Jun
17	26-Jul	24-Aug	23-Sep	24-Oct	22-Nov	22-Dec	24-Jan	22-Feb	23-Mar	25-Apr	24-May	23-Jun
18	27-Jul	25-Aug	26-Sep	25-Oct	23-Nov	23-Dec	25-Jan	23-Feb	24-Mar	26-Apr	25-May	26-Jun
19	28-Jul	26-Aug	27-Sep	26-Oct	28-Nov	27-Dec	26-Jan	24-Feb	28-Mar	27-Apr	26-May	27-Jun
20	29-Jul	29-Aug	28-Sep	27-Oct	29-Nov	28-Dec	27-Jan	27-Feb	29-Mar	28-Apr	30-May	28-Jun

Cycle	Number Billing days (Current Month Cycle Date minus prior month Cycle Date)											
1	30	32	29	30	29	33	29	32	29	30	32	30
2	30	32	29	30	31	31	29	32	29	30	32	30
3	33	29	29	32	29	31	32	29	29	32	30	30
4	33	29	29	32	29	33	30	29	29	32	30	32
5	31	29	32	29	29	33	30	29	31	30	30	32
6	31	31	30	29	29	33	30	31	29	30	32	30
7	33	29	30	29	31	31	32	29	29	30	32	30
8	33	29	30	32	28	31	32	29	29	32	30	30
9	33	29	32	30	28	33	30	29	29	32	30	32
10	30	29	32	30	28	33	30	29	32	29	30	33
11	30	32	29	30	31	30	30	31	30	29	33	30
12	33	29	29	32	29	30	33	28	30	33	29	30
13	33	29	29	32	29	30	33	28	30	33	29	32
14	30	29	32	29	29	32	31	28	32	31	29	32
15	30	31	30	29	29	32	31	28	32	31	31	30
16	32	29	30	29	31	30	33	29	29	33	29	30
17	32	29	30	31	29	30	33	29	29	33	29	30
18	30	29	32	29	29	30	33	29	29	33	29	32
19	30	29	32	29	33	29	30	29	32	30	29	32
20	30	31	30	29	33	29	30	31	30	30	32	29
Average	31.35	29.75	30.25	30.1	29.65	31.2	31.05	29.4	29.9	31.15	30.35	30.8

Division 7-23

Request:

Re: the Direct Testimony of the Pricing Panel (Witnesses Leary and McCabe) at page 14 of 36, lines 15-16. For each of the last three years, please:

- a. Provide the number of Account Restoration Charges billed to customers served under each gas rate classification.
- b. Detail the Company's actual costs for Account Restoration activities.
- c. Provide the number of Returned Check Charges billed to customers served under each gas rate classification.
- d. Detail the Company's actual costs for processing Returned Checks.

Response:

- a. Please see the table below for the number of gas assessed Account Restoration fees by rate class for calendar years (CYs) 2015 through 2017.

	CY2015	CY2016	CY2017
Residential Non Heating Rate 10	113	148	79
Low Income Residential Non Heating Rate 11	1	5	2
Residential Heating Rate 12	2,838	3,106	2,360
Low Income Residential Non Heating Rate 13	300	216	104
C&I Small Rate 21	130	123	93
C&I Medium Rate 22	21	16	13
C&I Large High Load Factor Rate 23			
C&I Extra Large High Load Factor Rate 24			
C&I Large Low Load Factor Rate 33	-	-	2
C&I Extra Large Low Load Factor Rate 34			
Total	3,403	3,614	2,653

- b. Narragansett Gas does not track costs specific to restoring gas service to individual customers or the total costs specific to account restoration activities. However, Narragansett Gas calculated the estimated average cost of restoring an account by performing a study reflected in Schedule PP-3(a), Page 1 (Bates Page 63 of Book 15) and determined the cost to be \$96 per account. As a way to estimate the test year costs of

account restoration activities, the proposed gas fee could be applied to the total number of customers restored during the test year (3,274 gas accounts,) resulting in an estimated cost of approximately \$314,000.

- c. Please see the table below for the number of assessed gas Return Check fees by rate class for CYs 2015 through 2017.

	CY2015	CY2016	CY2017
Residential Non Heating Rate 10	260	316	338
Low Income Residential Non Heating Rate 11	2	4	2
Residential Heating Rate 12	3,696	3,985	4,497
Low Income Residential Non Heating Rate 13	233	222	104
C&I Small Rate 21	274	253	249
C&I Medium Rate 22	63	52	60
C&I Large High Load Factor Rate 23	1	1	1
C&I Extra Large High Load Factor Rate 24	-	-	-
C&I Large Low Load Factor Rate 33	1	1	3
C&I Extra Large Low Load Factor Rate 34	-	1	-
Total	4,530	4,835	5,254

- d. Narragansett Gas does not track costs specific to processing returned customer payments. However, Narragansett Gas calculated the average cost of a returned customer payment as presented in Schedule PP-3(c), Page 1 (Bates Page 69 of Book 15) at \$7.00. In this schedule, the Company identifies external costs associated with returned payments and estimates the internal labor costs with processing the returned payments. Although Narragansett Gas proposed a Return Check Fee of \$7.00, the average cost per item based on the test year information presented in Schedule PP-3(c), Page 1, is \$7.95.¹ As a way to estimate the test year costs of returned payments, the \$7.95 could be applied to the total number of returned payments for gas customers (4,248 returned items), resulting in an estimated cost of approximately \$34,000.

¹ Narragansett Gas discusses the \$7.95 compared to the proposed Return Check fee of \$7.00 in its response to Division 7-38, part e.

Division 7-24

Request:

Re: the Direct Testimony of the Pricing Panel (Witnesses Leary and McCabe) at page 15 of 36, lines 14-18. For each of the last three years, please verify that the Company will have adequate AGT funding in the Rate Year to meet existing and anticipated AGT program commitments if the \$300,000 currently embedded in its base distribution rates is eliminated, and if not, provide the Company's current best estimate of the amount of additional funding through the DAC that will be required to make existing and anticipated funding requirements.

Response:

In response to this question, Narragansett Gas assumes the question is seeking the adequacy of Advanced Gas Technology (AGT) funding over the next three years (and not last three years, as specified in the question).

Narragansett Gas estimates that the AGT balance will be approximately \$600,000¹ at September 1, 2018 (the effective date of the new base distribution rates in this general rate case). Therefore, before requesting AGT funding through the provisions of the Distribution Adjustment Clause (DAC) of Narragansett Gas's gas tariff, Narragansett Gas will draw upon the estimated \$600,000 in the AGT fund. Concurrently, as part of its annual DAC filings, Narragansett Gas will evaluate the then-current balance in the AGT fund in light of potential payments out of the fund over the upcoming year and will determine if there are sufficient funds for those disbursements.

At this time, Narragansett Gas cannot forecast the additional AGT funding, which it may request through the DAC over the next three-year period. In addition, Narragansett Gas is currently evaluating the structure of the AGT program and may propose changes to the program to simplify the application process, which could impact the amount of AGT rebates awarded during this period.

¹ This estimated \$600,000 balance is after the final payment to Toray from the AGT fund.

Division 7-25

Request:

Re: the Direct Testimony of the Pricing Panel (Witnesses Leary and McCabe) at page 20 of 36, lines 7-11. Please provide the workpapers, data, and assumptions relied upon to assess the extent to which “[c]easing the recovery of the discount through base distribution rates and eliminating the LIHEAP matching grant and Low Income Weatherization programs will **partially offset** the estimated annual discount during the Rate Year.

Response:

The Company relied on the chart provided on Page 22 (Bates Page 26, Book 15) of the Joint Pre-filed Direct Testimony of Company Witnesses Ann E. Leary and Scott M. McCabe (the Pricing Panel) to opine that ceasing the recovery of the low income discount through base distribution rates and eliminating the LIHEAP matching grant and Low Income Weatherization program allowances in base distribution rates will partially offset the cost of providing the estimated annual discount of the proposed 15 percent low income discount during the Rate Year. The amount for the current programs reflected in base distribution rates is approximately \$2.7 million¹ compared to the estimated Rate Year discount value of approximately \$3.2 million. Please see Attachment DIV 7-25 for the calculation of the tables appearing on Page 22 of the Pricing Panel testimony, with Narragansett Gas's table adjusted, as discussed in the Company's response to Division 7-28.

¹ The annual amount shown in the table for Narragansett Gas associated with the 2012 Rate Case on Page 22 (Bates Page 26, Book 15) needs to be increased to \$2,721,310 for the correction in the amount associated with the discounted distribution rates from \$959,194 to \$1,136,310, an increase of \$177,116, as discussed in the response to Division 7-28.

Narragansett Electric

Percent Discount	Estimated Annual Discount	Low Income Value Provided in 2012 Rate Case	Difference
5%	\$2,071,424	\$6,446,453	(\$4,375,029)
10%	\$4,142,849	\$6,446,453	(\$2,303,604)
15%	\$6,214,273	\$6,446,453	(\$232,180)
20%	\$8,285,697	\$6,446,453	\$1,839,244
25%	\$10,357,121	\$6,446,453	\$3,910,668

Narragansett Gas

Percent Discount	Estimated Annual Discount	Low Income Value Provided in 2012 Rate Case	Difference
5%	\$1,063,098	\$2,721,310	(\$1,658,212)
10%	\$2,126,195	\$2,721,310	(\$595,115)
15%	\$3,189,293	\$2,721,310	\$467,983
20%	\$4,252,390	\$2,721,310	\$1,531,080
25%	\$5,315,488	\$2,721,310	\$2,594,178

- | | | |
|-----|--|--------------|
| (1) | Total Electric Rate Year Charges Subject to Discount | \$41,428,485 |
| (2) | Total Gas Rate Year Charges Subject to Discount | \$21,261,950 |

- | | | |
|-----|------------------------|-------------|
| (3) | LIHEAP Match | \$1,585,000 |
| (4) | 10% Base Rate Discount | \$1,136,310 |

- (1) Schedule PP-2, Page 1, Line (22), Column (c)
- (2) Schedule PP-2, Page 2, Line (9), Column (g)
- (3) Amount of LIHEAP Match base rate allowance from Docket 4323
- (4) Page 2, Line (23), Column (c)

The Narragansett Electric Company
Calculation of Rate Year Gas Low Income Discount
Contained in 2012 General Rate Case Rate Design
(Replicated from Attachment DIV 7-28)

Heating				Non-Heating				Total
(a)				(b)				(c)=(a)+(b)
Rate Class: 13				Rate Class: 11				
(1)	Number of Bills		256,513	Number of Bills		3,667		
(2)	Peak Rate Year Therms	Head	11,216,073	Rate Year Therms		165,924		
(3)	Peak Rate Year Therms	Tail	2,986,214					
(4)	Off Peak Rate Year Therms	Head	3,158,282					
(5)	Off Peak Rate Year Therms	Tail	984,212					
(6)	Rate 13 Customer Charge		\$11.70	Rate 11 Customer Charge		\$11.70		
(7)	Rate 13 Distribution Charge per Therm	Head	\$0.4205	Rate 11 Distribution Charge per Therm		\$0.3947		
(8)	Rate 13 Distribution Charge per Therm	Tail	\$0.2709					
(9)	Customer Charge Revenue		\$3,001,202	Customer Charge Revenue		\$42,904		
(10)	Distribution Charge Revenue	Head	\$6,044,416	Distribution Charge Revenue		\$65,490		
(11)	Distribution Charge Revenue	Tail	\$1,075,588					
(12)	Total, Low Income Heating Distribution Charges		\$10,121,207	Total, Low Income Non-Heating Distribution Charges		\$108,394		\$10,229,601
Rate Class: 12				Rate Class: 10				
(13)	Rate 12 Customer Charge		\$13.00	Rate 10 Customer Charge		\$13.00		
(14)	Rate 12 Distribution Charge per Therm	Head	\$0.4672	Rate 10 Distribution Charge per Therm		\$0.4386		
(15)	Rate 12 Distribution Charge per Therm	Tail	\$0.3010					
(16)	Customer Charge Revenue		\$3,334,669	Customer Charge Revenue		\$47,671		
(17)	Distribution Charge Revenue	Head	\$6,715,699	Distribution Charge Revenue		\$72,774		
(18)	Distribution Charge Revenue	Tail	\$1,195,098					
(19)	Total, Regular Residential Heating Distribution Charges		\$11,245,466	Total, Regular Residential Non-Heating Distribution Charges		\$120,445		\$11,365,911
Rate 13 Discount in Rate Year				Rate 11 Discount in Rate Year				
(20)	Customer Charge Revenue		\$333,467	Customer Charge Revenue		\$4,767		
(21)	Distribution Charge Revenue	Head	\$671,282	Distribution Charge Revenue		\$7,284		
(22)	Distribution Charge Revenue	Tail	\$119,510					
(23)	Total		\$1,124,259	Total		\$12,051		\$1,136,310

- (1) (a): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Lines 13-14, Column (B)
(b): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Line 8, Column (B)
- (2)-(3) (a): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Lines 11-12, Column (K)
(b): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Line 8, Column (J)
- (4)-(5) (a): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Lines 13-14, Column (J)
- (6)-(8) Currently effective base distribution rates
(9) Line (1) x Line (6)
(10) (a): [Line (2) + Line (4)] x Line (7)
(b): Line (2) x Line (7)
(11) (a): [Line (3) + Line (5)] x Line (8)
(12) Sum of Lines (9) thru (11)
- (13)-(15) Currently effective base distribution rates
(16) Line (1) x Line (13)
(17) (a): [Line (2) + Line (4)] x Line (14)
(b): Line (2) x Line (14)
(18) (a): [Line (3) + Line (5)] x Line (15)
(19) Sum of Lines (16) thru (18)
(20) Line (16) - Line (9)

Division 7-26

Request:

Re: the Direct Testimony of the Pricing Panel (Witnesses Leary and McCabe) at page 21 of 36, line 16, through page 22 of 36, line 5. For Narragansett Gas, please:

- a. Verify that the proposed discount for low income gas service customers will apply equally to all months of the year.
- b. Provide a comparison of the monthly distribution of benefits for a typical low income gas customer under the present low income programs and under the proposed rate discount.

Response:

- a. Yes, the proposed 15 percent discount for low income gas service customers will apply equally to bills issued during each month throughout the year.
- b. Please see Attachment DIV 7-26 for a comparison of the monthly distribution of benefits for a typical low income gas customer under the present low income programs and the proposed low income discount.

The Narragansett Electric Company
Summary of the Impact of Discount on Bills at Various Usage Levels
on Low Income Bills

Non-Heating

(1)	Annual Therms	Discount Percent (a)	Current Delivery of Low Income Discount					Proposed Delivery of Low Income Discount				
			155 (b)	184 (c)	214 (d)	244 (e)	275 (f)	155 (g)	184 (h)	214 (i)	244 (j)	275 (k)
(2)	Total Rate 10 Bill	15%	\$370.93	\$408.38	\$447.10	\$485.84	\$525.85	\$370.93	\$408.38	\$447.10	\$485.84	\$525.85
(3)	Total Rate 11 Bill		\$347.52	\$383.59	\$420.89	\$458.21	\$496.75	\$315.29	\$347.12	\$380.04	\$412.96	\$446.97
(4)	Bill Reduction from Discount		\$23.41	\$24.79	\$26.22	\$27.63	\$29.09	\$55.64	\$61.26	\$67.07	\$72.88	\$78.88
(5)	% Reduction		6.3%	6.1%	5.9%	5.7%	5.5%	15.0%	15.0%	15.0%	15.0%	15.0%

Heating

(6)	Annual Therms	Discount Percent	Current Delivery of Low Income Discount					Proposed Delivery of Low Income Discount				
			608 (b)	727 (c)	846 (d)	966 (e)	1,081 (f)	608 (g)	727 (h)	846 (i)	966 (j)	1,081 (k)
(7)	Total Annual Rate 12 Bill	15%	\$939.42	\$1,087.69	\$1,227.72	\$1,367.49	\$1,500.25	\$939.42	\$1,087.69	\$1,227.72	\$1,367.49	\$1,500.25
(8)	Total Annual Rate 13 Bill		\$802.93	\$945.47	\$1,080.59	\$1,215.55	\$1,343.81	\$798.51	\$924.54	\$1,043.56	\$1,162.37	\$1,275.21
(9)	Bill Reduction from Discount		\$136.49	\$142.22	\$147.13	\$151.95	\$156.43	\$140.91	\$163.15	\$184.16	\$205.12	\$225.04
(10)	% Reduction		14.5%	13.1%	12.0%	11.1%	10.4%	15.0%	15.0%	15.0%	15.0%	15.0%

- | | | | |
|-----|---|------|---|
| (1) | Page 2, Line (1) | (6) | Page 3, Line (3) |
| (2) | Page 2, Line (12) | (7) | Page 3, Line (13) |
| (3) | (a): Page 2, Col (g), Line (18); (b) - (k): Page 2, Line (20) | (8) | (a): Page 3, Col (g), Line (20); (b) - (k): Page 3, Line (28) |
| (4) | Line (7) - Line (8) | (9) | Line (12) - Line (13) |
| (5) | Line (10) ÷ Line (7) | (10) | Line (14) ÷ Line (12) |

The Narragansett Electric Company
Value of Discount on Annual Gas - Non-Heating

		Current Delivery of Low Income Discount					Proposed Delivery of Low Income Discount						
(1)	Annual Usage	Rates	155	184	214	244	275	Rates	155	184	214	244	275
	10	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
	Delivery												
(2)	Customer Charge	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00
(3)	LIHEAP Enhancement Surcharge	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72
(4)	Distribution Charge	\$0.6775	\$105.01	\$124.66	\$144.99	\$165.31	\$186.31	\$0.6775	\$105.01	\$124.66	\$144.99	\$165.31	\$186.31
(5)	Energy Efficiency Charge	\$0.0888	\$13.76	\$16.34	\$19.00	\$21.67	\$24.42	\$0.0888	\$13.76	\$16.34	\$19.00	\$21.67	\$24.42
(6)	Delivery Subtotal		\$284.49	\$306.72	\$329.71	\$352.70	\$376.45		\$284.49	\$306.72	\$329.71	\$352.70	\$376.45
(7)	GET Delivery		\$8.80	\$9.49	\$10.20	\$10.91	\$11.64		\$8.80	\$9.49	\$10.20	\$10.91	\$11.64
(8)	Delivery Total		\$293.29	\$316.21	\$339.91	\$363.61	\$388.09		\$293.29	\$316.21	\$339.91	\$363.61	\$388.09
	Supplier Services												
(9)	Gas Cost Recovery Factor	\$0.4859	\$75.31	\$89.41	\$103.98	\$118.56	\$133.62	\$0.4859	\$75.31	\$89.41	\$103.98	\$118.56	\$133.62
(10)	GET Gas Cost		\$2.33	\$2.77	\$3.22	\$3.67	\$4.13		\$2.33	\$2.77	\$3.22	\$3.67	\$4.13
(11)	Gas Cost Total		\$77.64	\$92.18	\$107.20	\$122.23	\$137.75		\$77.64	\$92.18	\$107.20	\$122.23	\$137.75
(12)	Total with Tax		\$370.93	\$408.38	\$447.10	\$485.84	\$525.85		\$370.93	\$408.38	\$447.10	\$485.84	\$525.85
	11												
	Delivery												
(13)	Customer Charge	\$11.70	\$140.40	\$140.40	\$140.40	\$140.40	\$140.40	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00
(14)	LIHEAP Enhancement Surcharge	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72
(15)	Distribution Charge	\$0.6316	\$97.90	\$116.21	\$135.16	\$154.11	\$173.69	\$0.6775	\$105.01	\$124.66	\$144.99	\$165.31	\$186.31
(16)	Energy Efficiency Charge	\$0.0888	\$13.76	\$16.34	\$19.00	\$21.67	\$24.42	\$0.0888	\$13.76	\$16.34	\$19.00	\$21.67	\$24.42
(17)	Delivery Subtotal		\$261.78	\$282.67	\$304.28	\$325.90	\$348.23		\$284.49	\$306.72	\$329.71	\$352.70	\$376.45
(18)	Proposed Low Income Discount - Delivery		n/a	n/a	n/a	n/a	n/a	15%	(\$42.67)	(\$46.01)	(\$49.46)	(\$52.91)	(\$56.47)
(19)	GET Delivery		\$8.10	\$8.74	\$9.41	\$10.08	\$10.77		\$7.48	\$8.06	\$8.67	\$9.27	\$9.90
(20)	Delivery Total		\$269.88	\$291.41	\$313.69	\$335.98	\$359.00		\$249.30	\$268.78	\$288.92	\$309.07	\$329.88
	Supplier Services												
(21)	Gas Cost Recovery Factor	\$0.4859	\$75.31	\$89.41	\$103.98	\$118.56	\$133.62	\$0.4859	\$75.31	\$89.41	\$103.98	\$118.56	\$133.62
(22)	Proposed Low Income Discount - Gas Cost		n/a	n/a	n/a	n/a	n/a	15%	(\$11.30)	(\$13.41)	(\$15.60)	(\$17.78)	(\$20.04)
(23)	GET Gas Cost		\$2.33	\$2.77	\$3.22	\$3.67	\$4.13		\$1.98	\$2.35	\$2.73	\$3.12	\$3.51
(24)	Gas Cost Total		\$77.64	\$92.18	\$107.20	\$122.23	\$137.75		\$65.99	\$78.35	\$91.12	\$103.89	\$117.09
(25)	Total After Discount		\$347.52	\$383.59	\$420.89	\$458.21	\$496.75		\$315.29	\$347.12	\$380.04	\$412.96	\$446.97
	Discount												
(26)	Difference		\$23.41	\$24.79	\$26.22	\$27.63	\$29.09		\$55.64	\$61.26	\$67.07	\$72.88	\$78.88
(27)	% Discount		6.3%	6.1%	5.9%	5.7%	5.5%		15.0%	15.0%	15.0%	15.0%	15.0%

The Narragansett Electric Company
Value of Discount on Annual Gas - Heating Bill

	Current Delivery of Low Income Discount						Proposed Delivery of Low Income Discount					
	601	706	763	812	852		601	706	763	812	852	
(1) Annual Initial Block Therms	7	21	83	154	229		7	21	83	154	229	
(2) Annual Tail Block Therms												
(3) Total Annual Therms	Rates	608	727	846	966	1,081	Rates	608	727	846	966	1,081
12	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Delivery												
(4) Customer Charge	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00
(5) LIHEAP Enhancement Surcharge	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72
(6) Distribution Charge-Initial Block	\$0.6102	\$366.73	\$430.80	\$465.58	\$495.48	\$519.89	\$0.6102	\$366.73	\$430.80	\$465.58	\$495.48	\$519.89
(7) Distribution Charge-Tail Block	\$0.4440	\$3.11	\$9.32	\$36.85	\$68.38	\$101.68	\$0.4440	\$3.11	\$9.32	\$36.85	\$68.38	\$101.68
(8) Energy Efficiency Charge	\$0.0888	\$53.99	\$64.56	\$75.12	\$85.78	\$95.99	\$0.0888	\$53.99	\$64.56	\$75.12	\$85.78	\$95.99
(9) Delivery Subtotal		\$589.55	\$670.40	\$743.27	\$815.36	\$883.28		\$589.55	\$670.40	\$743.27	\$815.36	\$883.28
(10) GET Delivery		\$18.23	\$20.73	\$22.99	\$25.22	\$27.32		\$18.23	\$20.73	\$22.99	\$25.22	\$27.32
(11) Delivery Total		\$607.78	\$691.13	\$766.26	\$840.58	\$910.60		\$607.78	\$691.13	\$766.26	\$840.58	\$910.60
Supplier Services												
(10) Gas Cost Recovery Factor	\$0.5291	\$321.69	\$384.66	\$447.62	\$511.11	\$571.96	\$0.5291	\$321.69	\$384.66	\$447.62	\$511.11	\$571.96
(11) GET Gas Cost		\$9.95	\$11.90	\$13.84	\$15.81	\$17.69		\$9.95	\$11.90	\$13.84	\$15.81	\$17.69
(12) Gas Cost Total		\$331.64	\$396.56	\$461.46	\$526.92	\$589.65		\$331.64	\$396.56	\$461.46	\$526.92	\$589.65
(13) Total with Tax		\$939.42	\$1,087.69	\$1,227.72	\$1,367.49	\$1,500.25		\$939.42	\$1,087.69	\$1,227.72	\$1,367.49	\$1,500.25
13												
Delivery												
(14) Customer Charge	\$11.70	\$140.40	\$140.40	\$140.40	\$140.40	\$140.40	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00
(15) LIHEAP Enhancement Surcharge	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72
(16) Distribution Charge-Initial Block	\$0.5615	\$337.46	\$396.42	\$428.42	\$455.94	\$478.40	\$0.6102	\$366.73	\$430.80	\$465.58	\$495.48	\$519.89
(17) Distribution Charge-Tail Block	\$0.4119	\$2.88	\$8.65	\$34.19	\$63.43	\$94.33	\$0.4440	\$3.11	\$9.32	\$36.85	\$68.38	\$101.68
(18) Energy Efficiency Charge	\$0.0888	\$53.99	\$64.56	\$75.12	\$85.78	\$95.99	\$0.0888	\$53.99	\$64.56	\$75.12	\$85.78	\$95.99
(19) Delivery Subtotal		\$544.45	\$619.75	\$687.85	\$755.27	\$818.84		\$589.55	\$670.40	\$743.27	\$815.36	\$883.28
(20) Proposed Low Income Discount - Delivery		n/a	n/a	n/a	n/a	n/a	15%	(\$88.43)	(\$100.56)	(\$111.49)	(\$122.30)	(\$132.49)
(21) GET Delivery		\$16.84	\$19.17	\$21.27	\$23.36	\$25.32		\$15.50	\$17.62	\$19.54	\$21.43	\$23.22
(22) Delivery Total		\$561.29	\$638.92	\$709.12	\$778.63	\$844.16		\$516.62	\$587.46	\$651.32	\$714.49	\$774.01
Supplier Services												
(23) Gas Cost Recovery Factor	\$0.5291	\$321.69	\$384.66	\$447.62	\$511.11	\$571.96	\$0.5291	\$321.69	\$384.66	\$447.62	\$511.11	\$571.96
(24) Proposed Low Income Discount - Gas Cost		n/a	n/a	n/a	n/a	n/a	15%	(\$48.25)	(\$57.70)	(\$67.14)	(\$76.67)	(\$85.79)
(25) GET Gas Cost		\$9.95	\$11.90	\$13.84	\$15.81	\$17.69		\$8.46	\$10.11	\$11.77	\$13.44	\$15.04
(26) Gas Cost Total		\$331.64	\$396.56	\$461.46	\$526.92	\$589.65		\$281.89	\$337.07	\$392.24	\$447.88	\$501.20
(27) LIHEAP Matching Grant		(\$90.00)	(\$90.00)	(\$90.00)	(\$90.00)	(\$90.00)		n/a	n/a	n/a	n/a	n/a
(28) Total After Discount		\$802.93	\$945.47	\$1,080.59	\$1,215.55	\$1,343.81		\$798.51	\$924.54	\$1,043.56	\$1,162.37	\$1,275.21
Discount												
(29) Difference		\$136.49	\$142.22	\$147.13	\$151.95	\$156.43		\$140.91	\$163.15	\$184.16	\$205.12	\$225.04
(30) % Discount		14.5%	13.1%	12.0%	11.1%	10.4%		15.0%	15.0%	15.0%	15.0%	15.0%

The Narragansett Electric Company
Summary of the Impact of Discount on Bills at Various Usage Levels
on Low Income Bills

Non-Heating

(1)	Annual Therms	Discount Percent (a)	Current Delivery of Low Income Discount					Proposed Delivery of Low Income Discount				
			155 (b)	184 (c)	214 (d)	244 (e)	275 (f)	155 (g)	184 (h)	214 (i)	244 (j)	275 (k)
(2)	Total Rate 10 Bill	15%	\$370.93	\$408.38	\$447.10	\$485.84	\$525.85	\$370.93	\$408.38	\$447.10	\$485.84	\$525.85
(3)	Total Rate 11 Bill		\$347.52	\$383.59	\$420.89	\$458.21	\$496.75	\$315.29	\$347.12	\$380.04	\$412.96	\$446.97
(4)	Bill Reduction from Discount		\$23.41	\$24.79	\$26.22	\$27.63	\$29.09	\$55.64	\$61.26	\$67.07	\$72.88	\$78.88
(5)	% Reduction		6.3%	6.1%	5.9%	5.7%	5.5%	15.0%	15.0%	15.0%	15.0%	15.0%

Heating

(6)	Annual Therms	Discount Percent	Current Delivery of Low Income Discount					Proposed Delivery of Low Income Discount				
			608 (b)	727 (c)	846 (d)	966 (e)	1,081 (f)	608 (g)	727 (h)	846 (i)	966 (j)	1,081 (k)
(7)	Total Annual Rate 12 Bill	15%	\$939.42	\$1,087.69	\$1,227.72	\$1,367.49	\$1,500.25	\$939.42	\$1,087.69	\$1,227.72	\$1,367.49	\$1,500.25
(8)	Total Annual Rate 13 Bill		\$802.93	\$945.47	\$1,080.59	\$1,215.55	\$1,343.81	\$798.51	\$924.54	\$1,043.56	\$1,162.37	\$1,275.21
(9)	Bill Reduction from Discount		\$136.49	\$142.22	\$147.13	\$151.95	\$156.43	\$140.91	\$163.15	\$184.16	\$205.12	\$225.04
(10)	% Reduction		14.5%	13.1%	12.0%	11.1%	10.4%	15.0%	15.0%	15.0%	15.0%	15.0%

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|-----|---|------|---|
| (1) | Page 2, Line (1) | (6) | Page 3, Line (3) |
| (2) | Page 2, Line (12) | (7) | Page 3, Line (13) |
| (3) | (a): Page 2, Col (g), Line (18); (b) - (k): Page 2, Line (20) | (8) | (a): Page 3, Col (g), Line (20); (b) - (k): Page 3, Line (28) |
| (4) | Line (7) - Line (8) | (9) | Line (12) - Line (13) |
| (5) | Line (10) ÷ Line (7) | (10) | Line (14) ÷ Line (12) |

The Narragansett Electric Company
Value of Discount on Annual Gas - Non-Heating

		Current Delivery of Low Income Discount					Proposed Delivery of Low Income Discount						
(1)	Annual Usage	Rates	155	184	214	244	275	Rates	155	184	214	244	275
	10	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
	Delivery												
(2)	Customer Charge	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00
(3)	LIHEAP Enhancement Surcharge	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72
(4)	Distribution Charge	\$0.6775	\$105.01	\$124.66	\$144.99	\$165.31	\$186.31	\$0.6775	\$105.01	\$124.66	\$144.99	\$165.31	\$186.31
(5)	Energy Efficiency Charge	\$0.0888	\$13.76	\$16.34	\$19.00	\$21.67	\$24.42	\$0.0888	\$13.76	\$16.34	\$19.00	\$21.67	\$24.42
(6)	Delivery Subtotal		\$284.49	\$306.72	\$329.71	\$352.70	\$376.45		\$284.49	\$306.72	\$329.71	\$352.70	\$376.45
(7)	GET Delivery		\$8.80	\$9.49	\$10.20	\$10.91	\$11.64		\$8.80	\$9.49	\$10.20	\$10.91	\$11.64
(8)	Delivery Total		\$293.29	\$316.21	\$339.91	\$363.61	\$388.09		\$293.29	\$316.21	\$339.91	\$363.61	\$388.09
	Supplier Services												
(9)	Gas Cost Recovery Factor	\$0.4859	\$75.31	\$89.41	\$103.98	\$118.56	\$133.62	\$0.4859	\$75.31	\$89.41	\$103.98	\$118.56	\$133.62
(10)	GET Gas Cost		\$2.33	\$2.77	\$3.22	\$3.67	\$4.13		\$2.33	\$2.77	\$3.22	\$3.67	\$4.13
(11)	Gas Cost Total		\$77.64	\$92.18	\$107.20	\$122.23	\$137.75		\$77.64	\$92.18	\$107.20	\$122.23	\$137.75
(12)	Total with Tax		\$370.93	\$408.38	\$447.10	\$485.84	\$525.85		\$370.93	\$408.38	\$447.10	\$485.84	\$525.85
	11												
	Delivery												
(13)	Customer Charge	\$11.70	\$140.40	\$140.40	\$140.40	\$140.40	\$140.40	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00
(14)	LIHEAP Enhancement Surcharge	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72
(15)	Distribution Charge	\$0.6316	\$97.90	\$116.21	\$135.16	\$154.11	\$173.69	\$0.6775	\$105.01	\$124.66	\$144.99	\$165.31	\$186.31
(16)	Energy Efficiency Charge	\$0.0888	\$13.76	\$16.34	\$19.00	\$21.67	\$24.42	\$0.0888	\$13.76	\$16.34	\$19.00	\$21.67	\$24.42
(17)	Delivery Subtotal		\$261.78	\$282.67	\$304.28	\$325.90	\$348.23		\$284.49	\$306.72	\$329.71	\$352.70	\$376.45
(18)	Proposed Low Income Discount - Delivery		n/a	n/a	n/a	n/a	n/a	15%	(\$42.67)	(\$46.01)	(\$49.46)	(\$52.91)	(\$56.47)
(19)	GET Delivery		\$8.10	\$8.74	\$9.41	\$10.08	\$10.77		\$7.48	\$8.06	\$8.67	\$9.27	\$9.90
(20)	Delivery Total		\$269.88	\$291.41	\$313.69	\$335.98	\$359.00		\$249.30	\$268.78	\$288.92	\$309.07	\$329.88
	Supplier Services												
(21)	Gas Cost Recovery Factor	\$0.4859	\$75.31	\$89.41	\$103.98	\$118.56	\$133.62	\$0.4859	\$75.31	\$89.41	\$103.98	\$118.56	\$133.62
(22)	Proposed Low Income Discount - Gas Cost		n/a	n/a	n/a	n/a	n/a	15%	(\$11.30)	(\$13.41)	(\$15.60)	(\$17.78)	(\$20.04)
(23)	GET Gas Cost		\$2.33	\$2.77	\$3.22	\$3.67	\$4.13		\$1.98	\$2.35	\$2.73	\$3.12	\$3.51
(24)	Gas Cost Total		\$77.64	\$92.18	\$107.20	\$122.23	\$137.75		\$65.99	\$78.35	\$91.12	\$103.89	\$117.09
(25)	Total After Discount		\$347.52	\$383.59	\$420.89	\$458.21	\$496.75		\$315.29	\$347.12	\$380.04	\$412.96	\$446.97
	Discount												
(26)	Difference		\$23.41	\$24.79	\$26.22	\$27.63	\$29.09		\$55.64	\$61.26	\$67.07	\$72.88	\$78.88
(27)	% Discount		6.3%	6.1%	5.9%	5.7%	5.5%		15.0%	15.0%	15.0%	15.0%	15.0%

The Narragansett Electric Company
Value of Discount on Annual Gas - Heating Bill

		Current Delivery of Low Income Discount					Proposed Delivery of Low Income Discount						
		601	706	763	812	852		601	706	763	812	852	
		7	21	83	154	229		7	21	83	154	229	
		Rates	608	727	846	966	1,081	Rates	608	727	846	966	1,081
12		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Delivery													
(4)	Customer Charge	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00
(5)	LIHEAP Enhancement Surcharge	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72
(6)	Distribution Charge-Initial Block	\$0.6102	\$366.73	\$430.80	\$465.58	\$495.48	\$519.89	\$0.6102	\$366.73	\$430.80	\$465.58	\$495.48	\$519.89
(7)	Distribution Charge-Tail Block	\$0.4440	\$3.11	\$9.32	\$36.85	\$68.38	\$101.68	\$0.4440	\$3.11	\$9.32	\$36.85	\$68.38	\$101.68
(8)	Energy Efficiency Charge	\$0.0888	\$53.99	\$64.56	\$75.12	\$85.78	\$95.99	\$0.0888	\$53.99	\$64.56	\$75.12	\$85.78	\$95.99
(9)	Delivery Subtotal		\$589.55	\$670.40	\$743.27	\$815.36	\$883.28		\$589.55	\$670.40	\$743.27	\$815.36	\$883.28
(10)	GET Delivery		\$18.23	\$20.73	\$22.99	\$25.22	\$27.32		\$18.23	\$20.73	\$22.99	\$25.22	\$27.32
(11)	Delivery Total		\$607.78	\$691.13	\$766.26	\$840.58	\$910.60		\$607.78	\$691.13	\$766.26	\$840.58	\$910.60
Supplier Services													
(10)	Gas Cost Recovery Factor	\$0.5291	\$321.69	\$384.66	\$447.62	\$511.11	\$571.96	\$0.5291	\$321.69	\$384.66	\$447.62	\$511.11	\$571.96
(11)	GET Gas Cost		\$9.95	\$11.90	\$13.84	\$15.81	\$17.69		\$9.95	\$11.90	\$13.84	\$15.81	\$17.69
(12)	Gas Cost Total		\$331.64	\$396.56	\$461.46	\$526.92	\$589.65		\$331.64	\$396.56	\$461.46	\$526.92	\$589.65
(13)	Total with Tax		\$939.42	\$1,087.69	\$1,227.72	\$1,367.49	\$1,500.25		\$939.42	\$1,087.69	\$1,227.72	\$1,367.49	\$1,500.25
13													
Delivery													
(14)	Customer Charge	\$11.70	\$140.40	\$140.40	\$140.40	\$140.40	\$140.40	\$13.00	\$156.00	\$156.00	\$156.00	\$156.00	\$156.00
(15)	LIHEAP Enhancement Surcharge	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72	\$0.81	\$9.72	\$9.72	\$9.72	\$9.72	\$9.72
(16)	Distribution Charge-Initial Block	\$0.5615	\$337.46	\$396.42	\$428.42	\$455.94	\$478.40	\$0.6102	\$366.73	\$430.80	\$465.58	\$495.48	\$519.89
(17)	Distribution Charge-Tail Block	\$0.4119	\$2.88	\$8.65	\$34.19	\$63.43	\$94.33	\$0.4440	\$3.11	\$9.32	\$36.85	\$68.38	\$101.68
(18)	Energy Efficiency Charge	\$0.0888	\$53.99	\$64.56	\$75.12	\$85.78	\$95.99	\$0.0888	\$53.99	\$64.56	\$75.12	\$85.78	\$95.99
(19)	Delivery Subtotal		\$544.45	\$619.75	\$687.85	\$755.27	\$818.84		\$589.55	\$670.40	\$743.27	\$815.36	\$883.28
(20)	Proposed Low Income Discount - Delivery		n/a	n/a	n/a	n/a	n/a	15%	(\$88.43)	(\$100.56)	(\$111.49)	(\$122.30)	(\$132.49)
(21)	GET Delivery		\$16.84	\$19.17	\$21.27	\$23.36	\$25.32		\$15.50	\$17.62	\$19.54	\$21.43	\$23.22
(22)	Delivery Total		\$561.29	\$638.92	\$709.12	\$778.63	\$844.16		\$516.62	\$587.46	\$651.32	\$714.49	\$774.01
Supplier Services													
(23)	Gas Cost Recovery Factor	\$0.5291	\$321.69	\$384.66	\$447.62	\$511.11	\$571.96	\$0.5291	\$321.69	\$384.66	\$447.62	\$511.11	\$571.96
(24)	Proposed Low Income Discount - Gas Cost		n/a	n/a	n/a	n/a	n/a	15%	(\$48.25)	(\$57.70)	(\$67.14)	(\$76.67)	(\$85.79)
(25)	GET Gas Cost		\$9.95	\$11.90	\$13.84	\$15.81	\$17.69		\$8.46	\$10.11	\$11.77	\$13.44	\$15.04
(26)	Gas Cost Total		\$331.64	\$396.56	\$461.46	\$526.92	\$589.65		\$281.89	\$337.07	\$392.24	\$447.88	\$501.20
(27)	LIHEAP Matching Grant		(\$90.00)	(\$90.00)	(\$90.00)	(\$90.00)	(\$90.00)		n/a	n/a	n/a	n/a	n/a
(28)	Total After Discount		\$802.93	\$945.47	\$1,080.59	\$1,215.55	\$1,343.81		\$798.51	\$924.54	\$1,043.56	\$1,162.37	\$1,275.21
Discount													
(29)	Difference		\$136.49	\$142.22	\$147.13	\$151.95	\$156.43		\$140.91	\$163.15	\$184.16	\$205.12	\$225.04
(30)	% Discount		14.5%	13.1%	12.0%	11.1%	10.4%		15.0%	15.0%	15.0%	15.0%	15.0%

Division 7-27

Request:

Re: the Direct Testimony of the Pricing Panel (Witnesses Leary and McCabe) at page 22 of 36, lines 3-5. Please provide the Company's assessment of the needs of Low Income gas customers in Rhode Island for gas service rate assistance and the extent to which the rate discount proposed (i.e., 15%) will address those needs.

Response:

The referenced pre-filed direct testimony of Company Witnesses Ann E. Leary and Scott M. McCabe at Page 22 (Bates Page 26 of Book 15), Lines 3-5 refers to the proposed 15 percent discount for eligible low income customers.

The Company did not perform an assessment of the needs of low income gas customers in Rhode Island for gas service rate assistance because these customers currently receive rate assistance through distribution rates that are 10 percent less than the distribution rates of Narragansett Gas' regular residential rate classes. In Narragansett Gas' 2008 general rate case in RIPUC Docket No. 3943, Narragansett Gas proposed and the Public Utilities Commission (PUC) approved distribution rates for the low income heating and non-heating rate classes that were 10 percent less than the full distribution rates for the comparable non-low income rate classes, and Narragansett Gas continued this structure for delivering bill discounts to this group of customers in its 2012 general rate case in RIPUC Docket No. 4323. The PUC has made a public policy decision that it is appropriate to provide such utility bill assistance to customers on the Company's gas and electric low income rates, and that such assistance is needed to assist customers in being able to afford these necessary services.

In addition, as indicated in the pre-filed direct testimony of Company Witnesses Ann E. Leary and Scott M. McCabe at Page 16 (Bates Page 20 of Book 15), Lines 5-12, one of the recommendations of the Docket 4600 Stakeholder Working Group Process Report dated April 5, 2017 (Stakeholder Report) concerned low income customer protections to be considered in rate design.¹ At the PUC's May 3, 2017 Open Meeting at which it considered the recommendations in the Stakeholder Report, the PUC directed the Company to re-examine the design of its electric and gas low income rates in its next general rate case. Therefore, an assessment of the need for gas service rate assistance was not needed, and therefore was not performed.

¹ April 5, 2017 Docket 4600 Stakeholder Working Group Process Report, Section 3.4.

Lastly, the Company's goal in its low income discount proposal is to treat its gas and electric customers the same with regard to the percentage discount they receive on their utility bills. Because a customer is no more or no less in need of assistance when viewed as a gas customer or an electric customer, the Company has proposed to set the percent discount at the same value for gas and electric customers. Gas customers currently receive a 10 percent discount on base distribution rates and are billed the same rates as non-low income customers for all other rate components; therefore, the effective discount on a total bill basis is generally around five to six percent.² The current electric discount on base distribution rates is approximately 50 percent on a total class basis, resulting in an effective discount on a total bill basis that can range from 12 to 15 percent. Setting the low income discount percentage at 15 percent for all low income customers may not address all of a gas customer's financial needs, but will result in a meaningful increase in the assistance provided through gas bills issued by Narragansett Gas. Please see Attachment DIV 7-26 for a comparison of the gas low income bills under the current delivery of bill assistance and the proposed low income discount.

² Residential Heating Low Income customers on Rate 13 also receive an additional LIHEAP matching grant from Narragansett Gas, which results in overall total bill discount of approximately 11 percent.

Division 7-28

Request:

Re: the Direct Testimony of the Pricing Panel (Witnesses Leary and McCabe) at page 22 of 31, line 7. The table for Narragansett Gas shows an Estimated Annual Discount at 10% of \$2,126,195. Footnote 5 at the bottom of the page indicates that a 10% discount in the 2012 Rate Case represented only \$959,194. Please:

- a. Reconcile these amounts and explain in detail the factors that have caused the costs of a 10% discount to more than double in roughly five years.
- b. Provide the workpapers, data, analyses and assumptions that underlie the values for "Estimated Annual Discount" presented in the referenced table.
- c. Provide the workpapers, data, analyses and assumptions relied upon to compute the value of a 10% discount in the 2012 rate case.

Response:

- a. Footnote 5 at Page 22 of 36 (Bates Page 26 of Book 15) identifies the rate year amount of the low income discount in Narragansett Gas's 2012 general rate case in Docket No. 4323 based on a 10 percent discount off of the base distribution rates of the non-low income gas residential rate classes. This amount is not comparable to the estimated annual gas discount amount of \$2,125,195 presented in the table on Page 22 of 36. This estimated discount is based on a 10 percent discount off of the total amount estimated to be billed to low income gas customers during the rate year, not just the amount billed for distribution service. Therefore, the amount of the low income discount did not more than double between the rate year in the 2012 general rate case and the rate year in this rate case, but rather, the Company is proposing to change the way in which it provides assistance to low income customers on gas and electric bills, which will increase the amount of the total gas low income discount as compared to the rate assistance provided to gas low income customers today. The table on page 22 of 36 is intended to illustrate the estimated value of low income discount based on different percentages off of the total bill, ranging from a five percent total bill discount to a 25 percent total bill discount, and comparing this rate year value to the low income value provided in the 2012 general rate case, consisting of the base distribution rate discount (\$959,194) and the Low Income Home Energy Assistance Program (LIHEAP) matching grant program (\$1,585,000). The low income discount proposal in this rate case for gas customers is to replace the current base distribution rate discount and LIHEAP matching grant program.

- b. The range of estimated gas low income discounts presented in the Narragansett Gas table on Page 22 of 36 (Bates Page 26 of Book 15) is also presented on Page 4 of Schedule PP-2 (Bates Page 60 of Book 15). These amounts are calculated by multiplying the total rate year charges on a total bill basis for the low income rate classes shown in the same schedule on Page 2 of 4 (Bates Page 58 of Book 15), Column (g), line (9) by the illustrative discount percentages in Column (a) on Page 4 (Bates Page 60 of Book 15). Please note that Narragansett Gas provided the Excel version of Schedule PP-2 with its November 27, 2017 initial filing in this proceeding.
- c. Narragansett Gas calculated the value of a 10 percent discount from the 2012 general rate case in Docket No. 4323 based upon the rate year billing determinants and final base distribution rates contained in the compliance rate design, Compliance Attachment 8C filed with the Public Utilities Commission on January 24, 2013. Attachment DIV 7-28 presents this calculation. In preparing this response, Narragansett Gas identified a calculation error in the calculation of the rate year distribution revenue for Rates 12 and 13 that excluded the off-peak therms in the calculation of the head block and tail block distribution revenue. Attachment DIV 7-28 corrects for this calculation error and results in the value of the 10 percent base distribution rate discount of \$1,136,310 on Line (23), Column (c). As a result, the low income value provided in the 2012 general rate case contained in the Narragansett Gas table on Page 22 is \$2,721,310 (Bates Page 26 of Book 15).

The Narragansett Electric Company
Calculation of Rate Year Gas Low Income Discount
Contained in 2012 General Rate Case Rate Design

Heating				Non-Heating				Total
(a)				(b)				(c)=(a)+(b)
Rate Class: 13				Rate Class: 11				
(1)	Number of Bills		256,513	Number of Bills		3,667		
(2)	Peak Rate Year Therms	Head	11,216,073	Rate Year Therms		165,924		
(3)	Peak Rate Year Therms	Tail	2,986,214					
(4)	Off Peak Rate Year Therms	Head	3,158,282					
(5)	Off Peak Rate Year Therms	Tail	984,212					
(6)	Rate 13 Customer Charge		\$11.70	Rate 11 Customer Charge		\$11.70		
(7)	Rate 13 Distribution Charge per Therm	Head	\$0.4205	Rate 11 Distribution Charge per Therm		\$0.3947		
(8)	Rate 13 Distribution Charge per Therm	Tail	\$0.2709					
(9)	Customer Charge Revenue		\$3,001,202	Customer Charge Revenue		\$42,904		
(10)	Distribution Charge Revenue	Head	\$6,044,416	Distribution Charge Revenue		\$65,490		
(11)	Distribution Charge Revenue	Tail	\$1,075,588					
(12)	Total, Low Income Heating Distribution Charges		\$10,121,207	Total, Low Income Non-Heating Distribution Charges		\$108,394		\$10,229,601
Rate Class: 12				Rate Class: 10				
(13)	Rate 12 Customer Charge		\$13.00	Rate 10 Customer Charge		\$13.00		
(14)	Rate 12 Distribution Charge per Therm	Head	\$0.4672	Rate 10 Distribution Charge per Therm		\$0.4386		
(15)	Rate 12 Distribution Charge per Therm	Tail	\$0.3010					
(16)	Customer Charge Revenue		\$3,334,669	Customer Charge Revenue		\$47,671		
(17)	Distribution Charge Revenue	Head	\$6,715,699	Distribution Charge Revenue		\$72,774		
(18)	Distribution Charge Revenue	Tail	\$1,195,098					
(19)	Total, Regular Residential Heating Distribution Charges		\$11,245,466	Total, Regular Residential Non-Heating Distribution Charges		\$120,445		\$11,365,911
Rate 13 Discount in Rate Year				Rate 11 Discount in Rate Year				
(20)	Customer Charge Revenue		\$333,467	Customer Charge Revenue		\$4,767		
(21)	Distribution Charge Revenue	Head	\$671,282	Distribution Charge Revenue		\$7,284		
(22)	Distribution Charge Revenue	Tail	\$119,510					
(23)	Total		\$1,124,259	Total		\$12,051		\$1,136,310

- (1) (a): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Lines 13-14, Column (B)
(b): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Line 8, Column (B)
- (2)-(3) (a): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Lines 11-12, Column (K)
(b): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Line 8, Column (J)
- (4)-(5) (a): RIPUC Docket No. 4323, January 24, 2013 Compliance Filing, Compliance Attachment 8C, Page 1 of 5, Lines 13-14, Column (J)
- (6)-(8) Currently effective base distribution rates
(9) Line (1) x Line (6)
(10) (a): [Line (2) + Line (4)] x Line (7)
(b): Line (2) x Line (7)
(11) (a): [Line (3) + Line (5)] x Line (8)
(12) Sum of Lines (9) thru (11)
- (13)-(15) Currently effective base distribution rates
(16) Line (1) x Line (13)
(17) (a): [Line (2) + Line (4)] x Line (14)
(b): Line (2) x Line (14)
(18) (a): [Line (3) + Line (5)] x Line (15)
(19) Sum of Lines (16) thru (18)
(20) Line (16) - Line (9)

Division 7-29

Request:

Re: the Direct Testimony of the Pricing Panel (Witnesses Leary and McCabe) at page 22 of 36, the table for Narragansett Gas at line 7. Please explain why the low income weatherization funding is not included in the "Low Income Value Provided in 2012 Rate Case."

Response:

Narragansett Gas did not include the \$200,000 low income weatherization funding currently provided through base distribution rates because this funding does not directly provide credits to the bills of customers on the gas low income rates. Instead, this funding contributes to the overall funding of Narragansett Gas's Energy Efficiency programs. Narragansett Gas was attempting to compare the estimated benefit of its low income discount proposal that would appear on customers' bills to those mechanisms currently funded through base distribution rates that provide more direct benefits on customers' bills.

Division 7-30

Request:

Re: the Direct Testimony of The Pricing Panel (Witnesses Leary and McCabe) at page 23 of 36, lines 3-13. Please:

- a. Provide the percentage discount approved in Massachusetts for National Grid's Low Income gas service customers.
- b. Indicate whether the "percentage off of the total bill at full residential rates" for National Grid's Low Income customers in Massachusetts applies the discount to Gas Costs, and if so, whether gas cost discounts are recovered through a Distribution Adjustment Charge (DAC) or through a Gas Cost Recovery (GCR) mechanism.
- c. Describe any and all changes in the Low Income rate discount program for National Grid customers in Massachusetts since its initial approval by the DPU in 2009.

Response:

- a. The percentage discount approved in Massachusetts for gas low income customers of Boston Gas Company (Boston Gas) and Colonial Gas Company (Colonial Gas) is 25 percent,¹ and the low income discount is calculated as 25 percent of the total amount billed by the companies.
- b. As indicated in the response to part a. above, Boston Gas and Colonial Gas include gas supply charges in the total amount that comprises the basis upon which the low income discount is calculated. Massachusetts customers on low income rates are billed the same rates as non-low income residential customers, and the amounts billed under each charge is billed at its full value and is not reduced or discounted. The discount appears as a separate line item on the customer's bill. Therefore, the full amount of the charge for gas supply is billed to a low income customer, and this amount is included in the Cost of Gas Adjustment (CGA)² reconciliation. The total amount of the low income discount is recovered through the Residential Assistance Adjustment Factor (RAAF) provided for in Boston Gas's and Colonial Gas's Local Distribution Adjustment Clause (LDAC), the equivalent of Narragansett Gas's Distribution Adjustment Clause (DAC).

¹ Although Boston Gas and Colonial Gas provide a 25 percent low income discount to customers on their low income rate classes, the Commonwealth of Massachusetts does not have any statutory assistance similar to the LIHEAP Enhancement Program in Rhode Island, which offers additional payment assistance to the Company's customers on its low income rate classes.

² Massachusetts' equivalent of the Gas Clause Recovery (GCR) mechanism is the Cost of Gas Adjustment (CGA) Clause.

- c. Providing bill assistance to customers on Boston Gas's and Colonial Gas's low income rates existed prior to November 2, 2010, the date on which the current structure of providing the low income discount and its recovery was implemented upon the Department of Public Utilities' (DPU) approval in DPU 10-55. Prior to that date, the companies billed customers on their low income rates discounted base distribution charges, similar to Narragansett Gas's current discounted base distribution charges for its low income rates. Since implementing the current delivery of the low income discount in November 2010, which Boston Gas and Colonial Gas were required to file in their next general rate case as directed by the DPU in DPU 09-39,³ there have been no changes to the operation of the low income discount or how it is recovered by Boston Gas and Colonial Gas.

³ DPU 09-39 was the 2009 general rate case of Massachusetts Electric Company and Nantucket Electric Company, two other affiliates of Narragansett Gas.

REDACTED
Division 7-31

Request:

Re: the Direct Testimony of the Pricing Panel at page 35 of 36, lines 9-12. Please:

- a. Provide documentation of the Company's costs for installation of an IP wireless service.
- b. Provide documentation of the Company's costs for the "associated data plan for FT-1 transportation customers.
- c. Identify the IP wireless service provider and provide a copy of the contract under which the referenced IP wireless services will be provided.
- d. Indicate the term (in years and/or months) of the data plan that the Company will use for FT-1 customers.
- e. Indicate whether a FT-1 Transportation customer will have the options of:
 1. Purchasing and installing their own IP wireless device;
 2. Establishing IP wireless data service plans separate from the plan offered by the Company.
- f. If FT-1 customers will not be provided the options of purchasing and installing their own IP wireless device and/or obtaining their own wireless data plans, please explain why the provision of such options is not reasonable and appropriate.

Response:

- a. Please see Attachment DIV 7-34-4 included in the Company's response to Division 7-34, part a, subparts 4 and 5 for the requested information.
- b. Please see Attachment DIV 7-37-2 included in the Company's response to Division 7-37, part d, subpart 1. The costs of the Low End Data Plan [REDACTED] High End costs can vary per month and are based on [REDACTED]. The Company estimated an average High End cost of [REDACTED] based on an estimate for multi-channel accounts. On a monthly basis, the monthly charges could be greater or less than the [REDACTED] based on the data being collected, which can vary based on the particular account and the operation of the meter data collection device.

- c. National Grid USA Service Company, Inc. (the Service Company) has a contract with Verizon Wireless to provide wireless data service, which would include data services required for the operation of the IP wireless device. Please see Confidential Attachment DIV 7-31 for a copy of the contract.
- d. Please see Confidential Attachment DIV 7-31, Page 8. The agreement between the Service Company and Verizon Wireless [REDACTED]
- e.
 - 1. No, FT-1 transportation service customers would not have the option of purchasing and installing their own IP wireless device. The digital security required to read external wireless devices over secured networks is very complex, and it would be cost-prohibitive for the Company to allow customers to purchase their own wireless devices.
 - 2. No, FT-1 transportation service customers would not have the option to establish data service plans separate from the plan to be used by Narragansett Gas. For the devices to communicate using a wireless protocol, IP devices need to be assigned and firewall rules need to be configured for a device to communicate with the Meter Collection Systems. Narragansett Gas utilizes IP addresses provided exclusively to them by Verizon Wireless to communicate with external meter reading devices.
- f. The cost to provide secure and accurate meter data collection on a timely basis would be cost-prohibitive for the Company in terms of supporting multiple vendors with different communication protocols. Separate hardware and software would be required to support each protocol, which would potentially increase the risk of cyber intrusion from non-approved external entities. In addition, pursuant to Item 2.02.0 of the Transportation Terms and Conditions of Narragansett Gas' tariff (Bates Pages 93 and 244 of Book 17), Narragansett Gas provides the equipment required for telemetering for FT-1 transportation service, and the proposal is to continue this practice of Narragansett Gas providing the equipment (the IP wireless device) to FT-1 transportation service customers. Not only will this ensure the integrity, timeliness, and security of meter data collection, but also that the equipment does not interfere with the operation of Narragansett Gas' meter or fail to operate as a result of changes in technology. Also pursuant to Item 2.02.0, under the telemetering requirement, the customer is required to arrange for a telephone service through a landline, keep current with monthly landline bills, and to ensure that the landline functions properly. In the recent past, Narragansett Gas has experienced issues with meter data collection and, after inspection, has found some of those issues to be the result of an inoperable landline. Because the landline is under the control of the customer, Narragansett Gas has limited ability to require remediation. The proposal is to have Narragansett Gas use its data service plan to ensure the ability for it to remediate any meter data collection issues on a timely basis.

Confidential Attachment DIV 7-31 – REDACTED INFORMATION

Attachment DIV 7-31 is comprised of the Agreement between Verizon Wireless and National Grid USA Service Company, Inc. to provide wireless data service. The Company has requested protective treatment of the 72-page agreement in its entirety.

Division 7-32

Request:

Re: the Direct Testimony of the Pricing Panel (Witnesses Leary and McCabe) at page 36 of 36, lines 4-5. Please explain why the Company proposes to place its line extension policies in a separate section (Section 8) of its tariff rather than including those provisions in Section 1 General Rules and Regulations.

Response:

There is no specific reason why Narragansett Gas created a new section of its tariff for the proposed Service and Main Extension Policies other than to ensure that they could be easily located in the tariff.

Division 7-33

Request:

Re: Schedule PP-1(a)-GAS, Development of Narragansett Gas Rate Year Distribution Revenue, page 2 of 2, line (25). Please:

- a. Provide actual Non-Firm Margin revenue by month for each month of calendar year 2017 and each month of each of the three preceding calendar years on a customer-by-customer basis using a format comparable to that provided in Schedule SLN-6, pages 4 of 5 and 5 of 5, in Docket No. 4634.
- b. Document the development of the "Normal" revenue amount for Non-Firm Transportation shown on line (25), Column (f), and explain in detail all factors considered in the development of the "Normal" Non-Firm Margin shown.
- c. If Test Year and/or Rate Year volumes (Dth) for Non-Firm Service customers are weather-normalized, provide the workpapers, data, analyses, and assumptions used to compute weather-normalized throughput volumes for the Company's non-firm gas service customers. If Test Year and/or Rate Year volumes (Dth) for Non-Firm Service customers are NOT weather-normalized, explain why the presentation of weather-normalize non-firm service volumes and revenues is not necessary or appropriate in the context of this proceeding.

Response:

- a. Please see Attachment DIV 7-33-1 for the actual Non-Firm Margin revenue replicating the format provided in Schedule SLN-6, Pages 4 and 5 in Docket No. 4634.
- b. Please see Attachment DIV 7-33-2 that derives the Non-Firm Revenue of \$1,388,117 shown in Schedule PP-1(a)-GAS, Page 2, Line (25), Column (f) (Bates Page 49 of Book 15) with the detail per customer provided in Attachment DIV 7-33-1. The customer-level detail provided in Attachment DIV 7-33-1 represents the period during which the Non-Firm customers were billed, which is reflected on Narragansett Gas's general ledger in the subsequent month. Therefore, the Non-Firm revenue reflected in the general ledger during this period included a monthly adjustment (accrual less prior month reversal) to attempt to align the accounting and billing periods. In addition, when preparing this response, Narragansett Gas noted that the gas costs shown in Schedule PP-1(a)-GAS (Bates Page 48-49 of Book 15) were the accounting gas costs recorded in Narragansett Gas's general ledger instead of the gas costs billed to the customers. In Attachment DIV 7-33-2, Narragansett Gas restates the gas costs in Column (b). As a result of this correction, the Non-Firm base distribution revenue (net margin) should be \$1,436,005

instead of \$1,388,117. Narragansett Gas used the billing determinants for the billing period of July 2016 through June 2017 shown in Column (d) for the rate design calculations in Schedule PMN-7 (Bates Pages 1-7 of Book 14).

- c. Narragansett Gas did not weather normalize the test year and/or rate year volumes for Non-Firm customers since these customers are generally curtailed during periods of cold weather and are, therefore, virtually unaffected by weather.

Actual Non-Firm Margin Revenue by month for calendar year 2014

Line #	Assigned #	Alt Fuel Type	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Paperless credit	Other charges	Curtailments Distribution	Curtailments Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [kg+q]	Total Margin	Comment
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
(1)	5	6	Jan-14	Jan-14	Trans	\$485	30,605	N/A		\$2,43	\$0.0733		\$131		\$1			\$4,366	\$2,728	\$0	\$0	
(2)	6	6	Jan-14	Jan-14	Trans	\$485	0	N/A		\$0	\$0.0733				\$95			\$580	\$485	\$0	\$0	
(3)	8	6	Dec-13	Jan-14	Trans	\$715	(517,610)	N/A		(\$37,941)	\$0.0733		(\$1,863)		(\$1)			(\$62,104)	(\$38,656)	\$0	(\$38,656)	adj for Dec'13
(4)	8	6	Dec-13	Jan-14	Trans	\$715	517,590	\$549	\$26.1257	\$17,720	\$0.0733		\$1,880		\$77			\$62,744	\$39,203	\$549	\$549	Curtailment of 21 therms
(5)	8	6	Jan-14	Jan-14	Trans	\$715	241,749	N/A		\$17,720	\$0.0733		\$938		\$1			\$31,268	\$18,435	\$0	\$18,435	
(6)	11	4	Jan-14	Jan-14	Trans	\$275	9	N/A		\$1	\$0.0733	\$20	\$9		\$77			\$382	\$276	\$0	\$0	
(7)	14	4	Jan-14	Jan-14	Sales	\$625	112,523	\$112,790	\$1,0024	\$10,262	\$0.0912		\$3,996					\$133,210	\$123,677	\$112,790	\$112,790	
(8)	15	6	Jan-14	Jan-14	Trans	\$715	72,532	N/A		\$6,615	\$0.0912		\$337		\$1			\$11,236	\$7,330	\$0	\$7,330	
(9)	16	2	Jan-14	Jan-14	Trans	\$715	196,626	N/A		\$17,932	\$0.0912				\$1,132			\$29,453	\$18,647	\$0	\$18,647	
(10)	17	6	Dec-13	Jan-14	Trans	(\$485)	(18,752)	N/A		(\$1,374)	\$0.0733				(\$1)			\$2,642	(\$1,859)	\$0	(\$1,859)	adj for Dec'13
(11)	17	6	Dec-13	Jan-14	Trans	\$485	18,752	\$13,698	\$26.5471	\$1,337	\$0.0733		\$15,520		\$1			\$16,281	\$15,520	\$13,698	\$13,698	Curtailment of 516 therms
(12)	17	6	Jan-14	Jan-14	Trans	\$485	2,244	N/A		\$164	\$0.0733				\$1			\$761	\$649	\$0	\$649	
(13)	19	6	Jan-14	Jan-14	Trans	\$715	0	N/A		\$0	\$0.0733				\$81			\$796	\$715	\$0	\$715	
(14)	20	6	Jan-14	Jan-14	Trans	\$715	29,887	N/A		\$2,191	\$0.0733	N/A	\$7	(\$0.34)	\$1			\$4,383	\$2,905	\$0	\$2,905	
(15)	24	6	Jan-14	Jan-14	Trans	\$715	0	N/A		\$0	\$0.2206				\$60			\$60	\$0	\$0	\$0	
(16)	25	6	Jan-14	Jan-14	Trans	\$625	2,962	\$2,969	\$1,0024	\$217	\$0.0733				\$1			\$3,958	\$3,812	\$2,969	\$2,969	
(17)	28	6	Jan-14	Jan-14	Sales	\$625	0	\$0		\$0	\$0.0733		\$19		\$1			\$645	\$625	\$0	\$625	
(18)	29	6	Dec-13	Jan-14	Trans	(\$715)	(81,115)	N/A		(\$5,946)	\$0.0733		(\$3,111)		(\$1)			(\$10,355)	(\$6,661)	\$0	(\$6,661)	adj for Dec'13
(19)	36	6	Dec-13	Jan-14	Trans	\$715	80,810	\$8,092	\$26.5326	\$5,923	\$0.0733		\$560		\$1			\$18,661	\$14,731	\$8,092	\$8,092	Curtailment of 305 therms
(20)	36	6	Jan-14	Jan-14	Trans	\$715	31,392	N/A		\$2,301	\$0.0733		\$141		\$1			\$4,702	\$3,016	\$0	\$3,016	
(21)	36	6	Dec-13	Jan-14	Trans	(\$715)	(24,455)	N/A		(\$1,793)	\$0.0733		(\$5)		(\$1)			(\$3,534)	(\$2,508)	\$0	(\$2,508)	
(22)	55	6	Dec-13	Jan-14	Trans	\$715	24,455	\$56,465	\$23.3328	\$1,615	\$0.0733		\$82		\$82			\$59,888	\$58,796	\$56,465	\$56,465	Curtailment of 2420 therms
(23)	55	6	Jan-14	Jan-14	Trans	\$715	0	N/A		\$0	\$0.0733				\$19			\$734	\$715	\$0	\$715	
(24)	67	6	Feb-14	Feb-14	Trans	\$485	44,347	N/A		\$3,251	\$0.0733		\$183		\$1			\$6,101	\$3,736	\$0	\$3,736	
(25)	5	6	Feb-14	Feb-14	Trans	\$485	0	N/A		\$0	\$0.0733				\$96			\$48,903	\$485	\$0	\$485	
(26)	6	6	Feb-14	Feb-14	Trans	\$485	380,708	N/A		\$27,906	\$0.0733		\$1,465		\$86			\$28,621	\$28,621	\$0	\$28,621	
(27)	8	6	Feb-14	Feb-14	Trans	\$715	0	N/A		\$0	\$0.0733	\$20	\$9		\$86			\$390	\$275	\$0	\$275	
(28)	11	4	Feb-14	Feb-14	Trans	\$275	33,946	\$72,986	\$2,1500	\$3,096	\$0.0912		\$2,424		\$1			\$80,802	\$76,707	\$72,986	\$72,986	
(29)	14	4	Feb-14	Feb-14	Sales	\$625	103,517	N/A		\$9,441	\$0.0912		\$472		\$1			\$15,721	\$10,156	\$0	\$10,156	
(30)	15	6	Feb-14	Feb-14	Trans	\$715	246,111	N/A		\$22,445	\$0.0912				\$369			\$35,638	\$23,160	\$0	\$23,160	
(31)	16	2	Feb-14	Feb-14	Trans	\$485	0	N/A		\$0	\$0.0733				\$201			\$686	\$485	\$0	\$485	
(32)	17	6	Feb-14	Feb-14	Trans	\$485	0	N/A		\$0	\$0.0733				\$82			\$797	\$715	\$0	\$715	
(33)	19	6	Feb-14	Feb-14	Trans	\$715	40,041	N/A		\$2,935	\$0.0733	N/A	\$9	(\$0.34)	\$1			\$5,629	\$3,650	\$0	\$3,650	
(34)	20	6	Nov-13	Feb-14	Trans	\$715	0	N/A		\$0	\$0.2206				\$1			\$1	\$0	\$0	\$0	
(35)	24	6	Dec-13	Feb-14	Trans	\$485	0	N/A		\$0	\$0.2206				\$62			\$62	\$0	\$0	\$0	
(36)	24	6	Jan-14	Feb-14	Trans	\$485	0	N/A		\$0	\$0.2206				\$1			\$1	\$0	\$0	\$0	
(37)	24	6	Feb-14	Feb-14	Trans	\$485	0	N/A		\$0	\$0.2206				\$1			\$1	\$0	\$0	\$0	
(38)	24	6	Feb-14	Feb-14	Trans	(\$485)	(42,129)	N/A		\$0	\$0.2206				\$1			\$1	\$0	\$0	\$0	
(39)	25	6	Oct-13	Feb-14	Trans	\$485	0	N/A		(\$3,088)	\$0.0733		(\$165)		(\$1)			(\$5,496)	(\$3,573)	\$0	(\$3,573)	adj for Oct'13
(40)	25	6	Oct-13	Feb-14	Trans	\$485	43,206	N/A		\$3,167	\$0.0733		\$169		\$1			\$5,623	\$3,652	\$0	\$3,652	adj for Oct'13
(41)	28	6	Feb-14	Feb-14	Sales	\$625	0	\$0		\$0	\$0.0733				\$1			\$626	\$625	\$0	\$625	
(42)	29	6	Feb-14	Feb-14	Sales	\$625	0	\$0		\$0	\$0.0733				\$1			\$645	\$625	\$0	\$625	
(43)	36	6	Feb-14	Feb-14	Trans	\$715	57,523	N/A		\$4,216	\$0.0733		\$240		\$163			\$8,165	\$4,931	\$0	\$4,931	
(44)	55	6	Jan-14	Feb-14	Trans	\$715	15,429	N/A		\$1,131	\$0.0733		\$3		\$785			\$2,678	\$1,131	\$0	\$1,131	
(45)	55	6	Feb-14	Feb-14	Trans	\$715	17,374	N/A		\$1,274	\$0.0733		\$3		\$1			\$2,132	\$1,274	\$0	\$1,274	
(46)	67	6	Feb-14	Feb-14	Trans	\$715	0	N/A		\$0	\$0.0733				\$10			\$725	\$715	\$0	\$715	
(47)	5	6	Mar-14	Mar-14	Trans	\$485	83,061	N/A		\$6,088	\$0.0733		\$330		\$1			\$10,990	\$6,573	\$0	\$6,573	
(48)	6	6	Mar-14	Mar-14	Trans	\$485	0	N/A		\$0	\$0.0733				\$2,412			\$2,897	\$485	\$0	\$485	
(49)	8	6	Mar-14	Mar-14	Trans	\$715	535,705	N/A		\$39,267	\$0.0733		\$2,052		\$87			\$68,478	\$39,982	\$0	\$39,982	
(50)	11	4	Mar-14	Mar-14	Trans	\$275	0	N/A		\$0	\$0.0733	\$20	\$9		\$86			\$390	\$275	\$0	\$275	
(51)	14	4	Mar-14	Mar-14	Sales	\$625	268,019	\$228,116	\$0.8511	\$24,443	\$0.0912		\$8,238		\$1			\$274,610	\$253,185	\$228,116	\$228,116	
(52)	15	6	Mar-14	Mar-14	Trans	\$715	145,359	N/A		\$13,257	\$0.0912		\$653		\$1			\$21,777	\$13,972	\$0	\$13,972	
(53)	16	2	Mar-14	Mar-14	Trans	\$715	335,104	N/A		\$30,561	\$0.0912				\$1			\$47,764	\$31,276	\$0	\$31,276	
(54)	17	6	Mar-14	Mar-14	Trans	\$485	0	N/A		\$0	\$0.0733				\$204			\$689	\$485	\$0	\$485	
(55)	19	6	Mar-14	Mar-14	Trans	\$715	0	N/A		\$0	\$0.0733				\$83			\$798	\$715	\$0	\$715	
(56)	20	6	Mar-14	Mar-14	Trans	\$715	59,589	N/A		\$4,568	\$0.0733		\$12	(\$0.34)	\$1			\$8,027	\$5,083	\$0	\$5,083	
(57)	24	6	Mar-14	Mar-14	Trans	\$715	0	N/A		\$0	\$0.2206				\$1			\$1	\$0	\$0	\$0	
(58)	25	6	Mar-14	Mar-14	Trans		0	N/A		\$0	\$0.2206							\$0	\$0	\$0	\$0	

Actual Non-Firm Margin Revenue by month for calendar year 2014

Line #	Assigned #	Alt Fuel Type	Month Charges Apply To	Bill Date mcy	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Paperless credit	Other charges	Curtailments Distribution	Curtailments Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [g*(q)]	Total Margin	Comment
(59)	28	6	Mar-14	Mar-14	Sales	\$625	0	\$0		\$0	\$0.0733	\$0			\$1			\$626	\$625	\$0	\$625	(v)
(60)	29	6	Mar-14	Mar-14	Sales	\$625	0	\$0		\$0	\$0.0733	\$0			\$9			\$635	\$625	\$0	\$625	
(61)	36	6	Mar-14	Mar-14	Trans	\$715	83,027	N/A		\$6,086	\$0.0733	\$0	\$337		\$207			\$11,429	\$6,801	\$0	\$6,801	
(62)	55	6	Mar-14	Mar-14	Trans	\$715	17,007	N/A		\$1,247	\$0.0733	\$0	\$3		\$10			\$2,087	\$1,247	\$0	\$1,247	
(63)	67	6	Mar-14	Mar-14	Trans	\$715	63,663	N/A		\$4,667	\$0.0733	\$0	\$3		\$10			\$5,391	\$5,382	\$0	\$5,382	
(64)	5	6	Apr-14	Apr-14	Trans	\$485	103,651	N/A		\$7,598	\$0.0733	\$0	\$408		\$1			\$13,591	\$8,083	\$0	\$8,083	
(65)	11	6	Jun-13	Apr-14	Trans	\$275	(26,930)	N/A		\$(2,874)	\$0.0733	\$(243)	\$(104)		\$0	\$(1)		\$(3,497)	\$(3,149)	\$0	\$(3,149)	
(66)	11	6	Jul-13	Apr-14	Trans	\$275	(25,437)	N/A		\$(2,714)	\$0.0733	\$(231)	\$(99)		\$0	\$(1)		\$(3,320)	\$(2,989)	\$0	\$(2,989)	
(67)	11	6	Aug-13	Apr-14	Trans	\$275	(26,344)	N/A		\$(2,811)	\$0.0733	\$(231)	\$(102)		\$0	\$(1)		\$(3,428)	\$(3,086)	\$0	\$(3,086)	
(68)	11	6	Sep-13	Apr-14	Trans	\$275	(26,403)	N/A		\$(2,817)	\$0.0733	\$(239)	\$(102)		\$0	\$(1)		\$(3,435)	\$(3,092)	\$0	\$(3,092)	
(69)	11	6	Oct-13	Apr-14	Trans	\$275	(29,277)	N/A		\$(3,124)	\$0.0733	\$(263)	\$(113)		\$0	\$(1)		\$(3,775)	\$(3,399)	\$0	\$(3,399)	
(70)	11	6	Nov-13	Apr-14	Trans	\$275	0	N/A		\$0	\$0.0733	\$0	\$0		\$0	\$(1)		\$(276)	\$(275)	\$0	\$(275)	
(71)	11	6	Dec-13	Apr-14	Trans	\$275	0	N/A		\$0	\$0.0733	\$0	\$0		\$0	\$(1)		\$(276)	\$(275)	\$0	\$(275)	
(72)	11	6	Jan-14	Apr-14	Trans	\$275	(9)	N/A		\$0	\$0.0733	\$0	\$0		\$0	\$(1)		\$(276)	\$(275)	\$0	\$(275)	
(73)	11	6	Feb-14	Apr-14	Trans	\$275	0	N/A		\$0	\$0.0733	\$0	\$0		\$0	\$(1)		\$(276)	\$(275)	\$0	\$(275)	
(74)	11	6	Mar-14	Apr-14	Trans	\$275	0	N/A		\$0	\$0.0733	\$0	\$0		\$0	\$(1)		\$(276)	\$(275)	\$0	\$(275)	
(75)	15	6	Apr-14	Apr-14	Sales	\$715	118,063	N/A		\$10,767	\$0.0912	\$0	\$535		\$0	\$(1)		\$17,827	\$11,482	\$0	\$11,482	
(76)	24	6	Apr-14	Apr-14	Trans	\$0	0	N/A		\$0	\$0.206	\$0	\$0		\$0	\$123		\$0	\$0	\$0	\$0	
(77)	24	6	Apr-14	Apr-14	Trans	\$715	0	N/A		\$0	\$0.206	\$0	\$22		\$0	\$1		\$738	\$715	\$0	\$715	
(78)	24	6	Apr-14	Apr-14	Trans	\$715	0	N/A		\$0	\$0.206	\$0	\$22		\$0	\$1		\$738	\$715	\$0	\$715	
(79)	24	6	Apr-14	Apr-14	Trans	\$715	0	N/A		\$0	\$0.206	\$0	\$22		\$0	\$1		\$738	\$715	\$0	\$715	
(80)	24	6	Apr-14	Apr-14	Trans	\$715	0	N/A		\$0	\$0.206	\$0	\$22		\$0	\$1		\$738	\$715	\$0	\$715	
(81)	28	6	Apr-14	Apr-14	Sales	\$625	40,107	\$21,325	\$0.5317	\$2,940	\$0.0733	\$0	\$0		\$0	\$(125)		\$613	\$715	\$0	\$715	
(82)	29	6	Jun-14	May-14	Sales	\$(625)	0	N/A		\$0	\$0.0733	\$0	\$(1)		\$0	\$0		\$(626)	\$(625)	\$0	\$(625)	
(83)	29	6	Feb-14	May-14	Sales	\$(625)	0	N/A		\$0	\$0.0733	\$0	\$(19)		\$0	\$0		\$(644)	\$(625)	\$0	\$(625)	
(84)	29	6	May-14	May-14	Sales	\$(625)	0	N/A		\$0	\$0.0733	\$0	\$(19)		\$0	\$0		\$(644)	\$(625)	\$0	\$(625)	
(85)	5	6	May-14	May-14	Trans	\$485	113,674	N/A		\$8,332	\$0.0733	\$0	\$446		\$0	\$1		\$14,856	\$8,817	\$0	\$8,817	
(86)	11	6	Sep-13	May-14	Trans	\$275	105,113	N/A		\$7,705	\$0.0733	\$952	\$408		\$0	\$3		\$13,599	\$7,980	\$0	\$7,980	
(87)	11	6	Feb-14	May-14	Trans	\$275	29,343	N/A		\$2,151	\$0.0733	\$346	\$148		\$0	\$4		\$4,941	\$2,426	\$0	\$2,426	
(88)	14	6	May-14	May-14	Sales	\$625	530,118	\$33,895	\$0.0639	\$6,907	\$0.0912	\$0	\$1,397		\$0	\$1		\$46,550	\$41,427	\$33,895	\$7,532	
(89)	15	6	May-14	May-14	Sales	\$715	70,507	N/A		\$6,430	\$0.0912	\$0	\$328		\$0	\$1		\$10,943	\$7,145	\$0	\$7,145	
(90)	17	6	Nov-13	May-14	Trans	\$(485)	(38,580)	\$0	\$0.0631	\$(2,817)	\$0.0733	\$0	\$0		\$0	\$(1)		\$(2,433)	\$(5,735)	\$(2,433)	\$(3,302)	Adj. for Nov'13
(91)	17	6	Nov-13	May-14	Trans	\$(485)	38,580	\$0	\$7,4686	\$2,817	\$0.0733	\$0	\$0		\$0	\$(1)		\$1,135	\$4,437	\$1,135	\$3,302	Curtilment 152 therms
(92)	17	6	Dec-13	May-14	Trans	\$(485)	(18,752)	\$0	\$0.7305	\$(1,337)	\$0.0733	\$0	\$0		\$0	\$(1)		\$(16,281)	\$(13,698)	\$(13,698)	\$(1,822)	Adj. for Dec'13
(93)	17	6	Jan-14	May-14	Trans	\$(485)	(2,244)	N/A		\$(164)	\$0.0733	\$0	\$0		\$0	\$(1)		\$(761)	\$(649)	\$(649)	\$(649)	Adj. for Jan'14
(94)	17	6	Feb-14	May-14	Trans	\$(485)	0	N/A		\$0	\$0.0733	\$0	\$0		\$0	\$(201)		\$(686)	\$(485)	\$0	\$(485)	Adj. for Feb'14
(95)	17	6	Mar-14	May-14	Trans	\$(485)	0	N/A		\$0	\$0.0733	\$0	\$0		\$0	\$(204)		\$(689)	\$(485)	\$0	\$(485)	Adj. for Mar'14
(96)	19	6	Nov-13	May-14	Trans	\$(715)	(79,692)	\$0	\$0.0813	\$(5,813)	\$0.0733	\$0	\$0		\$0	\$(1)		\$(6,477)	\$(13,004)	\$(6,477)	\$(6,528)	Adj. for Nov'13
(97)	19	6	Jun-14	May-14	Trans	\$715	79,692	\$0	\$6.0444	\$5,812	\$0.0733	\$0	\$0		\$0	\$(1)		\$12,288	\$8,981	\$2,454	\$6,527	Curtilment 406 therms
(98)	24	6	Jun-14	May-14	Trans	\$371	0	N/A		\$0	\$0.206	\$0	\$22		\$0	\$1		\$394	\$371	\$0	\$371	Adj. for May'14
(99)	28	6	May-14	May-14	Sales	\$625	68,268	\$30,555	\$0.4476	\$5,004	\$0.0733	\$0	\$0		\$0	\$1		\$39,543	\$36,184	\$30,555	\$5,629	
(100)	5	6	Jun-14	Jun-14	Trans	\$485	98,734	N/A		\$7,237	\$0.0733	\$0	\$389		\$0	\$1		\$12,970	\$7,722	\$0	\$7,722	
(101)	6	6	Nov-13	Jun-14	Trans	\$485	14,738	\$0	\$7,4548	\$1,046	\$0.0733	\$0	\$0		\$0	\$1		\$3,534	\$5,660	\$3,534	\$1,531	Curtilment 474 therms
(102)	6	6	Nov-13	Jun-14	Trans	\$(485)	(14,738)	\$0	\$0.5139	\$(1,047)	\$0.0733	\$0	\$0		\$0	\$(1)		\$(9,701)	\$(9,105)	\$(7,573)	\$(1,532)	Curtilment 457 therms
(103)	6	6	Apr-14	Jun-14	Trans	\$485	12,949	N/A		\$949	\$0.0733	\$0	\$0		\$0	\$0		\$2,072	\$1,434	\$0	\$1,434	
(104)	6	6	May-14	Jun-14	Trans	\$485	13,206	N/A		\$968	\$0.0733	\$0	\$0		\$0	\$1		\$2,104	\$1,453	\$0	\$1,453	
(105)	6	6	Jun-14	Jun-14	Trans	\$485	19,915	N/A		\$1,460	\$0.0733	\$0	\$0		\$0	\$0		\$1,945	\$1,945	\$0	\$1,945	
(106)	11	6	Jun-14	Jun-14	Trans	\$275	98,211	N/A		\$7,199	\$0.0733	\$948	\$406		\$0	\$3		\$13,540	\$7,474	\$0	\$7,474	
(107)	14	6	Jun-14	Jun-14	Sales	\$625	0	N/A		\$0	\$0.0912	\$0	\$19		\$0	\$1		\$645	\$625	\$0	\$625	
(108)	15	6	Jun-14	Jun-14	Trans	\$715	27,635	N/A		\$4,303	\$0.0912	\$0	\$227		\$0	\$1		\$7,367	\$5,018	\$0	\$5,018	
(109)	16	6	Jun-14	Jun-14	Trans	\$715	196,626	\$0	\$19,4330	\$17,873	\$0.0912	\$0	\$0		\$0	\$0		\$40,978	\$31,336	\$12,748	\$18,588	Curtilment 656 therms
(110)	16	6	Jun-14	Jun-14	Trans	\$(715)	(196,626)	N/A		\$(17,873)	\$0.0912	\$0	\$0		\$0	\$(1)		\$(28,230)	\$(18,588)	\$0	\$(18,588)	
(111)	16	6	Feb-14	Jun-14	Trans	\$715	246,111	\$0	\$13,9541	\$22,423	\$0.0912	\$0	\$0		\$0	\$0		\$38,654	\$26,557	\$3,419	\$23,138	Curtilment 245 therms
(112)	16	6	Feb-14	Jun-14	Trans	\$(715)	(246,111)	N/A		\$(22,423)	\$0.0912	\$0	\$0		\$0	\$(1)		\$(35,235)	\$(23,138)	\$0	\$(23,138)	
(113)	16	6	Mar-14	Jun-14	Trans	\$(715)	(335,104)	N/A		\$(30,561)	\$0.0912	\$0	\$0		\$0	\$(1)		\$(47,764)	\$(31,276)	\$0	\$(31,276)	
(114)	17	6	Dec-13	Jun-14	Trans	\$485	18,752	\$0	\$13,0757	\$1,335	\$0.0733	\$0	\$0		\$0	\$0		\$9,563	\$8,803	\$6,982	\$1,820	Curtilment 534 therms
(115)	17	6	Jan-14	Jun-14	Trans	\$485	2,244	\$0	\$10,9456	\$1,338	\$0.0733	\$0	\$0		\$0	\$1		\$4,614	\$4,520	\$3,897	\$623	Curtilment 356 therms
(116)	19	6	Apr-14	Jun-14	Trans	\$485	17,038	N/A		\$1,249	\$0.0733	\$0	\$0		\$0	\$0		\$2,803	\$1,964	\$0	\$1,964	
(117)	19	6	May-14	Jun-14	Trans	\$715	34,226	N/A		\$2,509	\$0.0733	\$0	\$0		\$0	\$0		\$4,224	\$3,224	\$0	\$3,224	
(118)	19	6	Jun-14	Jun-14	Trans	\$715	28,316	N/A		\$2,076	\$0.0733	\$0	\$0		\$0	\$0		\$4,184	\$2,791	\$0	\$2,791	

Actual Non-Firm Margin Revenue by month for calendar year 2014

Line #	Assigned #	Alt Fuel Type	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	G&T	Paperless credit	Other charges	Curtailments Distribution	Curtailments Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [(g)+(h)+(i)+(j)+(k)+(l)+(m)+(n)+(o)+(p)+(q)+(r)+(s)+(t)+(u)+(v))	Comment	
(119)	20		Jan-14	Jun-14	Trans	(\$715)	(29,887)	N/A		(\$2,191)	\$0.0733	\$0	(\$7)	\$0	(\$1)		(\$4,383)	\$0	(\$2,905)	Adj. for Jan'14		
(120)	20		Jan-14	Jun-14	Sales	\$715	29,887	\$0	\$8,2358	\$2,147	\$0.0733	\$0	\$14	\$0	\$1		\$4,884	\$9,202	\$7,746	\$2,862	Curtailment 593 therms	
(121)	28		Jun-14	Jun-14	Sales	\$625	54,874	\$22,546	\$0.0109	\$4,022	\$0.0733	\$0	\$0	\$0	\$1		\$29,894	\$27,194	\$22,546	\$4,647		
(122)	36		Dec-13	Jun-14	Trans	(\$715)	(81,115)	\$0	\$0.0998	(\$5,923)	\$0.0733	\$0	(\$560)	\$0	(\$1)		(\$8,092)	(\$18,661)	(\$14,731)	(\$6,638)	Adj. for Dec'13	
(123)	36		Jun-14	Jun-14	Sales	\$715	81,115	\$0	\$13,2516	\$5,923	\$0.0733	\$0	\$439	\$0	(\$244)		\$4,201	\$10,838	\$4,201	\$6,638	Curtailment 317 therms	
(124)	36		Apr-14	Jun-14	Trans	\$715	74,235	N/A		\$5,441	\$0.0733	\$0	\$303	\$0	\$1			\$10,113	\$6,156	\$0	\$6,156	
(125)	55		Dec-13	Jun-14	Trans	(\$715)	(22,035)	\$0		(\$1,615)	\$0.0733	\$0	(\$92)	\$0	(\$1)		(\$56,465)	(\$59,808)	(\$58,796)	(\$2,330)	Curtailment 2420 therms	
(126)	55		Dec-13	Jun-14	Trans	\$715	24,455	\$0	\$11,5349	\$1,609	\$0.0733	\$0	\$50	\$0	\$82		\$28,964	\$32,334	\$31,288	\$2,334	Curtailment 2511 therms	
(127)	55		Jun-14	Jun-14	Trans	\$0	(15,429)	N/A		(\$1,131)	\$0.0733	\$0	(\$3)	\$0	(\$785)		(\$1,131)	\$1,894	\$1,131	\$0	(\$1,131)	
(128)	55		Jun-14	Jun-14	Trans	\$0	15,429	N/A		\$1,131	\$0.0733	\$0	\$3	\$0	\$1			\$1,894	\$1,131	\$0	\$1,131	Adj. for Jun'14
(129)	55		Apr-14	Jun-14	Trans	\$0	24,353	N/A		\$1,785	\$0.0733	\$0	\$5	\$0	\$1			\$2,989	\$1,785	\$0	\$1,785	Adj. for Jul'14
(130)	67		Mar-14	Jun-14	Trans	(\$715)	(63,663)	N/A		(\$4,667)	\$0.0733	\$0	\$0	\$0	(\$10)		(\$5,391)	(\$5,391)	(\$5,382)	\$0	(\$5,382)	Adj. for Mar'14
(131)	67		Mar-14	Jun-14	Trans	\$715	63,663	\$0	\$11,0220	\$4,656	\$0.0733	\$0	\$0	\$0	\$1		\$1,653	\$7,025	\$7,025	\$1,653	Curtailment 150 therms	
(132)	5		Jul-14	Jul-14	Trans	\$485	82,572	N/A		\$6,053	\$0.0733	\$0	\$328	\$0	\$1			\$10,929	\$6,538	\$0	\$6,538	
(133)	6		Jul-14	Jul-14	Trans	\$485	20,381	N/A		\$1,494	\$0.0733	\$0	\$0	\$0	\$1			\$2,982	\$1,979	\$0	\$1,979	
(134)	8		Dec-13	Jul-14	Sales	(\$715)	(517,610)	\$0	(\$0.0011)	(\$27,939)	\$0.0733	\$0	(\$1,880)	\$0	(\$77)		(\$5,49)	\$62,744	(\$39,203)	(\$38,654)	Adj. for Dec'13	
(135)	8		Dec-13	Jul-14	Sales	\$715	517,610	\$0	\$13,5524	\$27,939	\$0.0733	\$0	\$1,872	\$0	\$1		\$2,85	\$62,395	\$38,939	\$285	Curtailment 21 therms	
(136)	11		Jul-14	Jul-14	Trans	\$275	136,369	N/A		\$1,999	\$0.0733	\$0	\$112	\$0	\$1			\$3,729	\$2,274	\$0	\$2,274	
(137)	14		Jul-14	Jul-14	Sales	\$625	14	\$1	\$0.0629	\$0	\$0.0912	\$0	\$19	\$0	\$1			\$646	\$626	\$1	\$625	
(138)	15		Jul-14	Jul-14	Sales	\$715	27,670	N/A		\$4,457	\$0.0912	\$0	\$234	\$0	\$1			\$7,811	\$5,172	\$0	\$5,172	
(139)	19		Jul-14	Jul-14	Trans	\$715	45,149	N/A		\$3,309	\$0.0733	\$0	\$0	\$0	\$1			\$6,246	\$4,024	\$0	\$4,024	
(140)	28		Jul-14	Jul-14	Sales	\$625	64,096	\$28,116	\$0.4387	\$4,098	\$0.0733	\$0	\$0	\$0	\$1			\$36,593	\$33,439	\$28,116	\$5,323	
(141)	5		Aug-14	Aug-14	Trans	\$485	78,123	N/A		\$5,726	\$0.0733	\$0	\$311	\$0	\$1			\$10,367	\$6,211	\$0	\$6,211	
(142)	6		Aug-14	Aug-14	Trans	\$485	21,753	N/A		\$1,595	\$0.0733	\$0	\$0	\$0	\$1			\$3,151	\$2,080	\$0	\$2,080	
(143)	11		Aug-14	Aug-14	Trans	\$275	137,734	N/A		\$2,019	\$0.0733	\$0	\$113	\$0	\$1			\$3,763	\$2,294	\$0	\$2,294	
(144)	14		Aug-14	Aug-14	Sales	\$625	0	N/A		\$0	\$0.0912	\$0	\$19	\$0	\$1			\$645	\$625	\$0	\$625	
(145)	15		Aug-14	Aug-14	Sales	\$715	29,107	N/A		\$4,596	\$0.0912	\$0	\$241	\$0	\$1			\$8,032	\$5,311	\$0	\$5,311	
(146)	19		Aug-14	Aug-14	Trans	\$715	40,410	N/A		\$2,962	\$0.0733	\$0	\$0	\$0	\$1			\$5,666	\$3,677	\$0	\$3,677	
(147)	28		Aug-14	Aug-14	Sales	\$625	65,536	\$20,694	\$0.3257	\$4,657	\$0.0733	\$0	\$0	\$0	\$1			\$29,103	\$25,976	\$20,694	\$5,282	
(148)	5		Sep-14	Sep-14	Trans	\$485	96,660	N/A		\$7,085	\$0.0733	\$0	\$381	\$0	\$137			\$12,844	\$7,570	\$0	\$7,570	
(149)	6		Sep-14	Sep-14	Trans	\$485	33,070	N/A		\$2,424	\$0.0733	\$0	\$0	\$0	\$1			\$4,537	\$2,909	\$0	\$2,909	
(150)	8		Apr-14	Sep-14	Trans	\$715	556,282	N/A		\$40,775	\$0.0733	\$0	\$2,130	\$0	(\$1,417)			\$69,572	\$41,490	\$0	\$41,490	
(151)	8		May-14	Sep-14	Trans	\$715	684,746	N/A		\$50,192	\$0.0733	\$0	\$2,616	\$0	\$1			\$87,213	\$50,907	\$0	\$50,907	
(152)	8		Jun-14	Sep-14	Trans	\$715	735,381	N/A		\$53,903	\$0.0733	\$0	\$2,808	\$0	\$1			\$93,608	\$54,618	\$0	\$54,618	
(153)	8		Jul-14	Sep-14	Trans	\$715	840,508	N/A		\$61,609	\$0.0733	\$0	\$3,207	\$0	\$1			\$106,884	\$62,324	\$0	\$62,324	
(154)	8		Aug-14	Sep-14	Trans	\$715	769,120	N/A		\$56,377	\$0.0733	\$0	\$2,936	\$0	\$1			\$97,869	\$57,092	\$0	\$57,092	
(155)	8		Sep-14	Sep-14	Trans	\$715	771,023	N/A		\$56,516	\$0.0733	\$0	\$2,943	\$0	\$1			\$98,109	\$57,231	\$0	\$57,231	
(156)	11		Sep-14	Sep-14	Trans	\$275	143,617	N/A		\$2,105	\$0.0733	\$0	\$117	\$0	\$1			\$3,912	\$2,380	\$0	\$2,380	
(157)	11		Oct-14	Sep-14	Trans	\$128	65,912	N/A		\$966	\$0.0733	\$0	\$54	\$0	\$0			\$1,798	\$1,095	\$0	\$1,095	
(158)	14		Feb-14	Sep-14	Sales	\$0	33,946	(\$1,630)	\$12.8820	(\$69)	\$0.0912	\$0	\$299	\$0	\$0			\$9,956	\$9,695	\$9,764	(\$69)	Curtailment of 758 therms
(159)	14		Apr-14	Sep-14	Sales	\$625	1,834,507	\$139,347	\$0.0760	\$23,901	\$0.0912	\$0	\$5,467	\$0	\$1		\$11,394	\$182,234	\$163,873	\$139,347	\$24,526	
(160)	14		Sep-14	Sep-14	Sales	\$625	0	N/A		\$243	\$0.0912	\$0	\$28	\$0	\$0			\$928	\$868	\$0	\$868	
(161)	15		Sep-14	Sep-14	Sales	\$715	37,654	N/A		\$6,274	\$0.0912	\$0	\$321	\$0	\$1			\$10,695	\$6,989	\$0	\$6,989	
(162)	16		Apr-14	Sep-14	Trans	\$715	335,104	N/A		\$30,561	\$0.0912	\$0	\$0	\$0	\$1			\$47,764	\$31,276	\$0	\$31,276	
(163)	16		Apr-14	Sep-14	Trans	\$715	326,606	N/A		\$29,787	\$0.0912	\$0	\$0	\$0	\$1			\$46,571	\$30,502	\$0	\$30,502	
(164)	16		May-14	Sep-14	Trans	\$715	183,095	N/A		\$16,698	\$0.0912	\$0	\$0	\$0	\$1			\$26,422	\$17,413	\$0	\$17,413	
(165)	16		Jun-14	Sep-14	Trans	\$715	123,684	N/A		\$11,280	\$0.0912	\$0	\$0	\$0	\$1			\$18,081	\$11,995	\$0	\$11,995	
(166)	16		Jun-14	Sep-14	Trans	\$715	110,161	N/A		\$10,047	\$0.0912	\$0	\$0	\$0	\$1			\$16,182	\$10,762	\$0	\$10,762	
(167)	16		Jul-14	Sep-14	Trans	\$715	119,432	N/A		\$10,892	\$0.0912	\$0	\$0	\$0	\$1			\$17,484	\$11,607	\$0	\$11,607	
(168)	17		Nov-13	Sep-14	Trans	(\$485)	(2,244)	\$0	\$1,7366	(\$1,38)	\$0.0733	\$0	\$0	\$0	(\$1)		(\$3,897)	(\$4,614)	(\$4,520)	(\$3,897)	Adj. for Nov'13	
(169)	17		Sep-14	Sep-14	Trans	\$485	2,244	\$0	\$17,4954	\$60	\$0.0733	\$0	\$0	\$0	(\$439)		\$24,928	\$25,075	\$25,473	\$24,928	Curtailment 1425 therms	
(170)	17		Feb-14	Sep-14	Trans	\$485	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$1			\$486	\$485	\$0	\$485	
(171)	17		Mar-14	Sep-14	Trans	\$485	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$1			\$486	\$485	\$0	\$485	
(172)	17		Apr-14	Sep-14	Trans	\$485	17,503	N/A		\$1,283	\$0.0733	\$0	\$0	\$0	\$1			\$2,630	\$1,768	\$0	\$1,768	
(173)	17		May-14	Sep-14	Trans	\$485	33,778	N/A		\$2,476	\$0.0733	\$0	\$0	\$0	\$1			\$4,623	\$2,961	\$0	\$2,961	
(174)	17		Jun-14	Sep-14	Trans	\$485	45,586	N/A		\$3,341	\$0.0733	\$0	\$0	\$0	\$1			\$6,070	\$3,826	\$0	\$3,826	
(175)	17		Jul-14	Sep-14	Trans	\$485	70,958	N/A		\$5,201	\$0.0733	\$0	\$0	\$0	\$1			\$9,178	\$5,686	\$0	\$5,686	
(176)	17		Aug-14	Sep-14	Trans	\$485	99,377	N/A		\$4,352	\$0.0733	\$0	\$0	\$0	\$1			\$7,759	\$4,837	\$0	\$4,837	
(177)	17		Sep-14	Sep-14	Trans	\$485	44,207	N/A		\$3,240	\$0.0733	\$0	\$0	\$0	\$1			\$5,901	\$3,725	\$0	\$3,725	

Actual Non-Firm Margin Revenue by month for calendar year 2014

Line #	Assigned #	Alt Fuel Type	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	G&T	Paperless credit	Other charges	Curialments Distribution	Curialments Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [(g)+(q)]	Total Margin	Comment				
(u)	(v)	(w)	(x)	(y)	(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)	(ah)	(ai)	(aj)	(ak)	(al)	(am)	(an)	(ao)	(ap)	(aq)	(ar)	(as)	(at)	(au)
(178)	19		Sep-14	Sep-14	Trans	\$715	54,487	N/A		\$3,994	\$0.0733	\$0	\$0	\$0	\$1			\$7,390	\$4,709	\$0	\$4,709					
(179)	20		Apr-14	Sep-14	Trans	\$715	52,252	N/A		\$3,830	\$0.0733	\$0	\$11	\$0	\$1			\$7,128	\$4,545	\$0	\$4,545					
(180)	20		May-14	Sep-14	Trans	\$715	39,902	N/A		\$2,925	\$0.0733	\$0	\$9	\$0	\$1			\$5,612	\$3,640	\$0	\$3,640					
(181)	20		Jun-14	Sep-14	Trans	\$715	23,004	N/A		\$1,686	\$0.0733	\$0	\$5	\$0	\$1			\$3,539	\$2,401	\$0	\$2,401					
(182)	20		Jul-14	Sep-14	Trans	\$715	32,206	N/A		\$2,361	\$0.0733	\$0	\$7	\$0	\$1			\$4,668	\$3,076	\$0	\$3,076					
(183)	20		Aug-14	Sep-14	Trans	\$715	34,512	N/A		\$2,530	\$0.0733	\$0	\$8	\$0	\$1			\$4,951	\$3,245	\$0	\$3,245					
(184)	20		Sep-14	Sep-14	Trans	\$715	38,293	N/A		\$2,807	\$0.0733	\$0	\$8	\$0	\$1			\$5,415	\$3,522	\$0	\$3,522					
(185)	28		Sep-14	Sep-14	Sales	\$625	90,710	\$25,801	\$0.2844	\$6,649	\$0.0733	\$0	\$0	\$0	\$1			\$37,538	\$25,801	\$25,801	\$0	\$7,274				
(186)	36		May-14	Sep-14	Trans	\$715	80,754	N/A		\$5,919	\$0.0733	\$0	\$328	\$0	\$1			\$10,936	\$6,634	\$0	\$6,634					
(187)	36		Sep-14	Sep-14	Trans	\$715	92,198	N/A		\$6,758	\$0.0733	\$0	\$371	\$0	\$1			\$12,381	\$7,473	\$0	\$7,473					
(188)	36		Jul-14	Sep-14	Trans	\$715	94,560	N/A		\$6,931	\$0.0733	\$0	\$380	\$0	\$1			\$12,680	\$7,646	\$0	\$7,646					
(189)	36		Aug-14	Sep-14	Trans	\$715	46,051	N/A		\$3,376	\$0.0733	\$0	\$197	\$0	\$1			\$6,554	\$4,091	\$0	\$4,091					
(190)	36		Sep-14	Sep-14	Trans	\$715	72,259	N/A		\$5,297	\$0.0733	\$0	\$296	\$0	\$1			\$9,863	\$6,012	\$0	\$6,012					
(191)	55		May-14	Sep-14	Trans	\$0	19,536	N/A		\$1,432	\$0.0733	\$0	\$4	\$0	\$1			\$2,380	\$1,432	\$0	\$1,432					
(192)	55		Jun-14	Sep-14	Trans	\$0	16,568	N/A		\$1,214	\$0.0733	\$0	\$3	\$0	\$1			\$2,033	\$1,214	\$0	\$1,214					
(193)	55		Jul-14	Sep-14	Trans	\$0	12,165	N/A		\$892	\$0.0733	\$0	\$2	\$0	\$1			\$1,493	\$892	\$0	\$892					
(194)	55		Aug-14	Sep-14	Trans	\$0	11,233	N/A		\$823	\$0.0733	\$0	\$2	\$0	\$1			\$1,379	\$823	\$0	\$823					
(195)	55		Sep-14	Sep-14	Trans	\$0	15,031	N/A		\$1,102	\$0.0733	\$0	\$3	\$0	\$1			\$1,845	\$1,102	\$0	\$1,102					
(196)	67		Apr-14	Sep-14	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$1			\$716	\$715	\$0	\$715					
(197)	67		May-14	Sep-14	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$1			\$716	\$715	\$0	\$715					
(198)	67		Jun-14	Sep-14	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$1			\$716	\$715	\$0	\$715					
(199)	67		Jul-14	Sep-14	Trans	\$715	126,396	N/A		\$9,265	\$0.0733	\$0	\$0	\$0	\$1			\$9,981	\$9,980	\$0	\$9,980					
(200)	67		Aug-14	Sep-14	Trans	\$715	137,553	N/A		\$10,083	\$0.0733	\$0	\$0	\$0	\$1			\$10,798	\$10,798	\$0	\$10,798					
(201)	67		Sep-14	Sep-14	Trans	\$715	93,194	N/A		\$6,831	\$0.0733	\$0	\$0	\$0	\$1			\$13,567	\$7,546	\$0	\$7,546					
(202)	5		Oct-14	Oct-14	Trans	\$485	100,298	N/A		\$7,352	\$0.0733	\$0	\$395	\$0	\$1			\$13,167	\$7,837	\$0	\$7,837					
(203)	6		Oct-14	Oct-14	Trans	\$485	23,239	N/A		\$1,703	\$0.0733	\$0	\$0	\$0	\$1			\$3,333	\$2,188	\$0	\$2,188					
(204)	8		Oct-14	Oct-14	Trans	\$715	782,562	N/A		\$57,362	\$0.0733	\$0	\$2,987	\$0	\$1			\$99,567	\$58,077	\$0	\$58,077					
(205)	15		Oct-14	Oct-14	Sales	\$715	47,657	N/A		\$7,778	\$0.0912	\$0	\$392	\$0	\$1			\$13,082	\$8,493	\$0	\$8,493					
(206)	16		Sep-14	Oct-14	Trans	\$715	139,620	N/A		\$12,733	\$0.0912	\$0	\$0	\$0	\$1			\$20,318	\$13,448	\$0	\$13,448					
(207)	16		Oct-14	Oct-14	Trans	\$715	221,749	N/A		\$20,223	\$0.0912	\$0	\$0	\$0	\$1			\$31,849	\$20,938	\$0	\$20,938					
(208)	17		Oct-14	Oct-14	Trans	\$485	38,277	N/A		\$2,806	\$0.0733	\$0	\$0	\$0	\$1			\$5,175	\$3,291	\$0	\$3,291					
(209)	19		Oct-14	Oct-14	Trans	\$715	59,605	N/A		\$4,369	\$0.0733	\$0	\$0	\$0	\$1			\$8,017	\$5,084	\$0	\$5,084					
(210)	20		Oct-14	Oct-14	Trans	\$715	41,077	N/A		\$3,011	\$0.0733	\$0	\$9	\$0	\$1			\$5,757	\$3,726	\$0	\$3,726					
(211)	28		Oct-14	Oct-14	Sales	\$625	110,318	\$33,702	\$0.3052	\$8,086	\$0.0733	\$0	\$0	\$0	\$1			\$47,842	\$42,413	\$33,702	\$8,711					
(212)	36		Oct-14	Oct-14	Trans	\$715	64,489	N/A		\$4,727	\$0.0733	\$0	\$266	\$0	\$1			\$8,882	\$5,442	\$0	\$5,442					
(213)	55		Oct-14	Oct-14	Trans	\$0	11,020	N/A		\$808	\$0.0733	\$0	\$2	\$0	\$1			\$1,353	\$808	\$0	\$808					
(214)	67		Oct-14	Oct-14	Trans	\$715	30,441	N/A		\$2,231	\$0.0733	\$0	\$0	\$0	\$1			\$2,947	\$2,946	\$0	\$2,946					
(215)	6		Nov-14	Nov-14	Trans	\$485	35,977	N/A		\$2,637	\$0.0733	\$0	\$0	\$0	\$1			\$4,893	\$3,122	\$0	\$3,122					
(216)	8		Nov-14	Nov-14	Trans	\$715	664,971	N/A		\$48,742	\$0.0733	\$0	\$2,541	\$0	\$1			\$84,716	\$49,457	\$0	\$49,457					
(217)	14		Nov-14	Nov-14	Sales	\$625	1,783,967	\$85,600	\$0.0480	\$23,243	\$0.0912	\$0	\$3,773	\$0	\$1			\$125,780	\$109,467	\$85,600	\$23,868					
(218)	16		Nov-14	Nov-14	Trans	\$715	349,868	N/A		\$31,908	\$0.0912	\$0	\$0	\$0	\$1			\$49,837	\$32,623	\$0	\$32,623					
(219)	17		Nov-14	Nov-14	Trans	\$485	38,857	N/A		\$2,848	\$0.0733	\$0	\$0	\$0	\$1			\$5,246	\$3,333	\$0	\$3,333					
(220)	19		Nov-14	Nov-14	Trans	\$715	42,887	N/A		\$3,144	\$0.0733	\$0	\$0	\$0	\$1			\$5,969	\$3,859	\$0	\$3,859					
(221)	20		Nov-14	Nov-14	Trans	\$715	56,497	N/A		\$4,141	\$0.0733	\$0	\$12	\$0	\$1			\$7,648	\$4,856	\$0	\$4,856					
(222)	28		Nov-14	Nov-14	Sales	\$625	102,774	\$34,520	\$0.3359	\$7,533	\$0.0733	\$0	\$0	\$0	\$1			\$47,735	\$42,678	\$34,520	\$8,158					
(223)	36		Nov-14	Nov-14	Trans	\$715	97,919	N/A		\$7,177	\$0.0733	\$0	\$393	\$0	\$1			\$13,104	\$7,992	\$0	\$7,992					
(224)	55		Nov-14	Nov-14	Trans	\$0	24,510	N/A		\$1,797	\$0.0733	\$0	\$5	\$0	\$1			\$3,008	\$1,797	\$0	\$1,797					
(225)	67		Nov-14	Nov-14	Trans	\$715	35,809	N/A		\$2,625	\$0.0733	\$0	\$0	\$0	\$1			\$3,341	\$3,340	\$0	\$3,340					
(226)	6		Dec-14	Dec-14	Trans	\$485	7,721	N/A		\$566	\$0.0733	\$0	\$0	\$0	\$1			\$1,432	\$1,051	\$0	\$1,051					
(227)	8		Dec-14	Dec-14	Trans	\$715	674,499	N/A		\$49,441	\$0.0733	\$0	\$2,578	\$0	\$1			\$85,919	\$50,156	\$0	\$50,156					
(228)	14		Oct-14	Dec-14	Sales	\$625	333,766	\$14,554	\$0.0436	\$4,348	\$0.0912	\$0	\$677	\$0	\$1			\$22,550	\$19,527	\$14,554	\$4,973					
(229)	14		Dec-14	Dec-14	Sales	\$0	0	N/A		\$0	\$0.0912	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0					
(230)	14		Dec-14	Dec-14	Sales	\$625	0	N/A		\$0	\$0.0912	\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0					
(231)	14		Dec-14	Dec-14	Sales	\$625	2,277,985	\$276,785	\$0.1215	\$29,679	\$0.0912	\$0	\$9,993	\$0	\$1			\$333,093	\$307,089	\$276,785	\$30,304					

Actual Non-Firm Margin Revenue by month for calendar year 2014

Line #	Assigned #	Alt Fuel Type	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Paperless credit	Other charges	Curialments Distribution	Curialments Commodity Charge	Revenue subject to Margin Sharing			Comment
																		Total Bill	(s)	(t)	
(b)	(a)	(d)	(c)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	
(232)	16	Dec-14	Dec-14	Trans	\$715	419,591	N/A	\$38,267	\$0.0912	\$0	\$0	\$0	\$0	\$2,052	\$0	\$0	\$61,677	\$38,982	\$0	\$38,982	
(233)	17	Dec-14	Dec-14	Trans	\$485	21,462	N/A	\$1,573	\$0.0733	\$0	\$0	\$0	\$0	\$512	\$0	\$0	\$3,626	\$2,058	\$0	\$2,058	
(234)	19	Dec-14	Dec-14	Trans	\$715	10,900	N/A	\$799	\$0.0733	\$0	\$0	\$0	\$0	\$1	\$0	\$0	\$2,051	\$1,514	\$0	\$1,514	
(235)	20	Dec-14	Dec-14	Trans	\$715	64,594	N/A	\$4,735	\$0.0733	\$0	\$13	\$0	\$0	\$1	\$0	\$0	\$8,642	\$5,450	\$0	\$5,450	
(236)	28	Dec-14	Dec-14	Sales	\$625	40,596	\$34,528	\$0.8505	\$2,976	\$0.0733	\$0	\$0	\$0	\$0	\$1	\$0	\$40,127	\$38,129	\$34,528	\$3,601	
(237)	36	Dec-14	Dec-14	Trans	\$715	115,804	N/A	\$8,488	\$0.0733	\$0	\$461	\$0	\$0	\$1	\$0	\$0	\$15,363	\$9,203	\$0	\$9,203	
(238)	55	Dec-14	Dec-14	Trans	\$0	26,955	N/A	\$1,976	\$0.0733	\$0	\$5	\$0	\$0	\$55	\$0	\$0	\$3,362	\$1,976	\$0	\$1,976	
(239)	67	Dec-14	Dec-14	Trans	\$715	0	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$72	\$0	\$0	\$787	\$715	\$0	\$715	
(240)					\$93,204	\$24,401,445	\$1,296,003	\$1,350,688		\$1,091	\$77,624	(\$1)	\$6,280	\$0	\$11,293	\$3,668,262	\$2,751,187	\$1,307,296	\$1,443,892		

Column (b) to Column (q) per customer billing information
Column (r) = Columns (e) + (g) + (i) + (k) + (l) + (m) + (n) + (o) + (p) + (q)
Column (s) = Columns (r) - [(k) + (l) + (m) + (o)]
Column (t) = Columns (g) + (q)
Column (u) = Columns (s) - (t)

Actual Non-Firm Margin Revenue by month for calendar year 2015

Line #	Assigned #	Month Changes Apply To	Bill Date	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailments Distribution	Curtailments Commodity Charge	Revenue subject to Margin Sharing		Comment			
																		Total Bill	Total Gas Cost [6p/4d]				
(1)	6	Jan-15	Jan-15	Trans	\$485	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	(\$66)			\$419	\$485	\$0	\$485		
(2)	8	Jan-15	Jan-15	Trans	\$715	378,415	N/A		\$27,738	\$0.0733	\$0	\$1,626	\$24,105	\$0.00	\$1			\$54,184	\$28,453	\$0	\$28,453		
(3)	14	Jan-15	Jan-15	Sales	\$0	0	N/A		\$0	\$0.0912	\$0	\$0	\$0	\$0.00	\$0			\$0	\$0	\$0	\$0		
(4)	14	Jan-15	Jan-15	Sales	\$625	1,020,521	\$0.1955		\$13,296	\$0.0912	\$0	\$6,887	\$9,287	\$0.00	\$1			\$229,556	\$213,382	\$199,461	\$13,921		
(5)	16	Jan-15	Jan-15	Trans	\$715	235,961	N/A		\$21,520	\$0.0912	\$0	\$0	\$15,031	\$0.00	\$949			\$38,215	\$22,235	\$0	\$22,235		
(6)	17	Jan-15	Jan-15	Trans	\$485	227	N/A		\$17	\$0.0733	\$0	\$0	\$14	\$0.00	\$263			\$779	\$502	\$0	\$502		
(7)	19	Jan-15	Jan-15	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$1			\$716	\$715	\$0	\$715		
(8)	20	Jan-15	Jan-15	Trans	\$715	35,173	N/A		\$2,578	\$0.0733	\$0	\$9	\$2,241	\$0.00	\$1			\$5,543	\$3,293	\$0	\$3,293		
(9)	28	Jan-15	Jan-15	Sales	\$625	1,197	\$1.3682		\$388	\$0.0733	\$0	\$0	\$76	\$0.00	\$1			\$2,427	\$2,350	\$1,637	\$713		
(10)	36	Jan-15	Jan-15	Trans	\$715	44,899	N/A		\$3,291	\$0.0733	\$0	\$212	\$2,860	\$0.00	\$1			\$7,079	\$4,006	\$0	\$4,006		
(11)	55	Jan-15	Jan-15	Trans	\$0	10,866	N/A		\$797	\$0.0733	\$0	\$2	\$692	\$0.00	\$43			\$1,534	\$797	\$0	\$797		
(12)	67	Jan-15	Jan-15	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$7			\$722	\$715	\$0	\$715		
(13)	6	Feb-15	Feb-15	Trans	\$485	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$1			\$486	\$485	\$0	\$485		
(14)	8	Feb-15	Feb-15	Trans	\$715	106,995	N/A		\$7,843	\$0.0733	\$0	\$475	\$6,816	\$0.00	\$1			\$15,850	\$8,558	\$0	\$8,558		
(15)	14	Feb-15	Feb-15	Sales	\$625	15,839	\$2.413		\$205	\$0.0912	\$0	\$105	\$144	\$0.00	\$1			\$3,494	\$3,245	\$2,413	\$831		
(16)	16	Feb-15	Feb-15	Trans	\$715	68,666	N/A		\$6,262	\$0.0912	\$0	\$0	\$4,374	\$0.00	\$1			\$11,352	\$6,977	\$0	\$6,977	Adj. for Feb/15	
(17)	17	Feb-15	Feb-15	Trans	\$485	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	(\$773)			\$288	\$485	\$0	\$485		
(18)	19	Feb-15	Feb-15	Trans	\$715	4,723	N/A		\$346	\$0.0733	\$0	\$2	\$301	(\$0.34)	\$1			\$716	\$715	\$0	\$715		
(19)	20	Feb-15	Feb-15	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$2	\$301	(\$0.34)	\$1			\$1,365	\$1,061	\$0	\$1,061		
(20)	28	Feb-15	Feb-15	Sales	\$625	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$1			\$626	\$625	\$0	\$625		
(21)	36	Feb-15	Feb-15	Trans	\$715	4,495	N/A		\$329	\$0.0733	\$0	\$41	\$286	\$0.00	\$1			\$1,373	\$1,044	\$0	\$1,044		
(22)	55	Feb-15	Feb-15	Trans	\$0	2,036	N/A		\$149	\$0.0733	\$0	\$0	\$130	\$0.00	\$1			\$280	\$149	\$0	\$149		
(23)	67	Feb-15	Feb-15	Trans	\$715	6,205	N/A		\$455	\$0.0733	\$0	\$0	\$0	\$0.00	(\$786)			\$383	\$1,170	\$0	\$1,170		
(24)	6	Mar-15	Mar-15	Trans	\$485	29	N/A		\$2	\$0.0733	\$0	\$0	\$2	\$0.00	\$7			\$496	\$487	\$0	\$487		
(25)	8	Mar-15	Mar-15	Trans	\$715	637,424	N/A		\$46,723	\$0.0733	\$0	\$2,723	\$40,604	\$0.00	\$1			\$90,766	\$47,438	\$0	\$47,438		
(26)	14	Mar-15	Mar-15	Sales	\$625	296,958	\$0.6458		\$27,083	\$0.0912	\$0	\$7,373	\$18,916	\$0.00	\$3,009			\$248,773	\$219,474	\$191,767	\$27,708		
(27)	16	Mar-15	Mar-15	Trans	\$715	457,641	N/A		\$41,737	\$0.0912	\$0	\$0	\$29,152	\$0.00	\$976			\$72,579	\$42,452	\$0	\$42,452		
(28)	17	Mar-15	Mar-15	Trans	\$485	9,317	N/A		\$683	\$0.0733	\$0	\$0	\$593	\$0.00	\$518			\$2,280	\$1,168	\$0	\$1,168		
(29)	19	Mar-15	Mar-15	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$0			\$725	\$715	\$0	\$715		
(30)	20	Mar-15	Mar-15	Trans	\$715	67,104	N/A		\$4,919	\$0.0733	\$0	\$15	\$4,275	\$0.00	\$1			\$9,924	\$5,634	\$0	\$5,634		
(31)	28	Mar-15	Mar-15	Sales	\$625	0	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$1			\$626	\$625	\$0	\$625		
(32)	36	Mar-15	Mar-15	Trans	\$715	122,295	N/A		\$8,964	\$0.0733	\$0	\$540	\$7,790	\$0.00	\$106			\$18,116	\$9,679	\$0	\$9,679		
(33)	55	Mar-15	Mar-15	Trans	\$0	38,036	N/A		\$2,788	\$0.0733	\$0	\$8	\$2,423	\$0.00	\$23			\$5,542	\$2,788	\$0	\$2,788		
(34)	67	Mar-15	Mar-15	Trans	\$715	5,011	N/A		\$367	\$0.0733	\$0	\$0	\$0	\$0.00	\$17			\$1,100	\$1,082	\$0	\$1,082		
(35)	67	Feb-15	Feb-15	Trans	\$0	620	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$0	\$47	\$8,068	\$8,115	\$8,068	\$47	Curtailment 642 therms		
(36)	38	Feb-15	Feb-15	Trans	\$0	35	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$0	\$3	\$218	\$221	\$218	\$3	Curtailment 39 therms		
(37)	20	Feb-15	Feb-15	Trans	\$0	72	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$0	\$5	\$309	\$315	\$309	\$5	Curtailment 75 therms		
(38)	20	Feb-15	Feb-15	Trans	\$0	95	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$0	\$7	\$980	\$987	\$980	\$7	Curtailment 98 therms		
(39)	20	Mar-15	Mar-15	Trans	\$0	33	N/A		\$0	\$0.0733	\$0	\$0	\$0	\$0.00	\$0	\$2	\$234	\$232	\$232	\$2	Curtailment 34 therms		
(40)	14	Feb-15	Feb-15	Sales	\$0	31	N/A		\$0	\$0.0912	\$0	\$0	\$0	\$0.00	\$0	\$3	\$206	\$209	\$206	\$3	Curtailment 32 therms		
(41)	14	Feb-15	Feb-15	Sales	\$0	165	N/A		\$0	\$0.0912	\$0	\$0	\$0	\$0.00	\$0	\$16	\$2,093	\$2,108	\$2,093	\$16	Curtailment 170 therms		
(42)	6	Apr-15	Apr-15	Trans	\$485	13,505	N/A		\$990	\$0.0733	\$0	\$0	\$860	\$0.00	\$1			\$2,336	\$1,475	\$0	\$1,475		
(43)	8	Apr-15	Apr-15	Trans	\$715	849,553	N/A		\$62,272	\$0.0733	\$0	\$3,622	\$54,117	\$0.00	\$1			\$120,726	\$62,987	\$0	\$62,987		
(44)	14	Apr-15	Apr-15	Sales	\$625	233,022	\$68,888	\$0.2956		\$21,252	\$0.0912	\$0	\$3,266	\$14,844	\$0.00	\$1			\$108,875	\$90,765	\$68,888	\$21,877	
(45)	16	Apr-15	Apr-15	Trans	\$715	325,429	N/A		\$29,679	\$0.0912	\$0	\$0	\$20,730	\$0.00	\$1			\$51,125	\$30,394	\$0	\$30,394		
(46)	17	Apr-15	Apr-15	Trans	\$485	33,260	N/A		\$2,438	\$0.0733	\$0	\$0	\$2,119	\$0.00	\$1			\$5,042	\$2,923	\$0	\$2,923		
(47)	19	Apr-15	Apr-15	Trans	\$715	15,505	N/A		\$1,137	\$0.0733	\$0	\$0	\$0	\$0.00	\$1			\$2,840	\$1,852	\$0	\$1,852		
(48)	20	Apr-15	Apr-15	Trans	\$715	52,234	N/A		\$3,829	\$0.0733	\$0	\$12	\$3,327	(\$0.34)	\$1			\$7,884	\$4,543	\$0	\$4,543		
(49)	28	Apr-15	Apr-15	Sales	\$625	39,075	\$11,552	\$0.2956		\$2,864	\$0.0733	\$0	\$0	\$2,489	\$0.00	\$1			\$17,531	\$15,041	\$11,552	\$3,489	
(50)	36	Apr-15	Apr-15	Trans	\$715	74,707	N/A		\$5,476	\$0.0733	\$0	\$339	\$4,759	\$0.00	\$1			\$11,289	\$6,191	\$0	\$6,191		
(51)	55	Apr-15	Apr-15	Trans	\$0	13,933	N/A		\$1,021	\$0.0733	\$0	\$0	\$888	\$0.00	\$1			\$1,912	\$1,021	\$0	\$1,021		
(52)	67	Apr-15	Apr-15	Trans	\$715	68,490	N/A		\$5,020	\$0.0733	\$0	\$0	\$0	\$0.00	\$1			\$5,736	\$5,735	\$0	\$5,735		
(53)	6	May-15	May-15	Trans	\$485	14,618	N/A		\$1,072	\$0.0733	\$0	\$0	\$931	\$0.00	\$1			\$2,488	\$1,557	\$0	\$1,557		
(54)	8	May-15	May-15	Trans	\$715	899,675	N/A		\$65,946	\$0.0733	\$0	\$3,834	\$77,309	\$0.00	\$1			\$127,805	\$66,661	\$0	\$66,661		
(55)	14	May-15	May-15	Sales	\$625	28,669	\$8,126	\$0.2834		\$12,615	\$0.0912	\$0	\$408	\$1,826	\$0.00	\$140			\$13,739	\$11,365	\$8,126	\$3,240	
(56)	16	May-15	May-15	Trans	\$715	156,646	N/A		\$14,286	\$0.0912	\$0	\$0	\$9,978	\$0.00	\$1			\$5,924	\$15,001	\$0	\$15,001		
(57)	17	May-15	May-15	Trans	\$485	35,897	N/A		\$2,631	\$0.0733	\$0	\$0	\$2,287	\$0.00	\$263			\$5,666	\$3,116	\$0	\$3,116		
(58)	19	May-15	May-15	Trans	\$715	23,979	N/A		\$1,758	\$0.0733	\$0	\$0	\$1,527	\$0.00	\$1			\$4,001	\$2,473	\$0	\$2,473		
(59)	20	May-15	May-15	Trans	\$715	37,130	N/A		\$2,722	\$0.0733	\$0	\$0	\$2,365	\$0.00	\$1			\$5,811	\$3,436	\$0	\$3,436		
(60)	28	May-15	May-15	Sales	\$625	53,833	\$15,258	\$0.2834		\$3,946	\$0.0733	\$0	\$0	\$3,429	\$0.00	\$1			\$23,259	\$19,829	\$15,258	\$4,571	
(61)	36	May-15	May-15	Trans	\$715	68																	

Actual Non-Firm Margin Revenue by month for calendar year 2015

Line #	Assigned #	Month	Bill Date	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailments Distribution	Curtailments Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [d(9)+10]	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	
(64)	6	Jun-15	Jun-15	Trans	\$485	23.160	N/A		\$1,698	\$0.0733	\$0	\$0	\$1,475	\$0	\$1			\$3,659	\$2,183	\$0	\$2,183	
(65)	8	Jun-15	Jun-15	Trans	\$715	877.275	N/A		\$64,304	\$0.0733	\$0	\$3,739	\$55,882	\$0	\$1			\$124,642	\$65,019	\$0	\$65,019	
(66)	14	Jun-15	Jun-15	Sales	\$625	603	\$189	\$0.3134	\$55	\$0.0912	\$0	\$28	\$38	\$0	\$279			\$12,114	\$869	\$189	\$869	
(67)	16	Jun-15	Jun-15	Trans	\$485	124.582	N/A		\$11,362	\$0.0912	\$0	\$0	\$7,956	\$0	\$817			\$20,830	\$12,077	\$0	\$12,077	
(68)	17	Jun-15	Jun-15	Trans	\$485	51.495	N/A		\$3,775	\$0.0733	\$0	\$0	\$3,280	\$0				\$7,013	\$4,260	\$0	\$4,260	
(69)	19	Jun-15	Jun-15	Trans	\$715	53.050	N/A		\$3,889	\$0.0733	\$0	\$0	\$3,379	\$0				\$7,984	\$4,604	\$0	\$4,604	
(70)	20	Jun-15	Jun-15	Trans	\$715	53.050	N/A		\$1,533	\$0.0733	\$0	\$6	\$1,332	(\$0.34)				\$3,586	\$2,247	\$0	\$2,247	
(71)	28	Jun-15	Jun-15	Sales	\$625	65.289	\$20.463	\$0.3134	\$4,786	\$0.0733	\$0	\$0	\$4,159	\$0				\$30,033	\$25,874	\$20,463	\$5,411	
(72)	36	Jun-15	Jun-15	Trans	\$715	58.993	N/A		\$4,324	\$0.0733	\$0	\$272	\$3,758	\$0				\$9,070	\$5,039	\$0	\$5,039	
(73)	55	Jun-15	Jun-15	Trans	\$0	12.943	N/A		\$949	\$0.0733	\$0	\$3	\$824	\$0	\$46			\$1,822	\$949	\$0	\$949	
(74)	67	Jun-15	Jun-15	Trans	\$715	78.745	N/A		\$5,772	\$0.0733	\$0	\$0	\$0	\$0				\$6,487	\$6,487	\$0	\$6,487	
(75)	6	Jul-15	Jul-15	Trans	\$485	26.277	N/A		\$1,926	\$0.0733	\$0	\$0	\$1,674	\$0	\$1			\$2,411	\$2,411	\$0	\$2,411	
(76)	8	Jul-15	Jul-15	Trans	\$715	1,017.504	N/A		\$74,583	\$0.0733	\$0	\$4,333	\$64,815	\$0				\$144,447	\$75,298	\$0	\$75,298	
(77)	14	Jun-15	Jul-15	Sales	\$625	603	\$189	\$0.3134	\$55	\$0.0912	\$0	\$28	\$38	\$0	\$1			\$936	\$869	\$189	\$869	
(78)	14	Jun-15	Jul-15	Sales	(\$625)	(603)	(\$189)	\$0.3134	(\$55)	\$0.0912	\$0	(\$28)	(\$38)	\$0	(\$1)			(\$936)	(\$869)	(\$189)	(\$869)	
(79)	16	Jul-15	Jul-15	Trans	\$715	107.624	N/A		\$9,815	\$0.0912	\$0	\$0	\$6,856	\$0	\$261			\$17,647	\$10,530	\$0	\$10,530	
(80)	17	Jul-15	Jul-15	Trans	\$485	34.995	N/A		\$2,365	\$0.0733	\$0	\$0	\$2,229	\$0	\$7			\$5,287	\$3,050	\$0	\$3,050	
(81)	19	Jul-15	Jul-15	Trans	\$715	69.257	N/A		\$5,077	\$0.0733	\$0	\$0	\$4,412	\$0				\$10,204	\$5,792	\$0	\$5,792	
(82)	20	Jul-15	Jul-15	Trans	\$715	29.168	N/A		\$2,138	\$0.0733	\$0	\$7	\$1,858	(\$0.34)				\$4,719	\$2,853	\$0	\$2,853	
(83)	28	Jul-15	Jul-15	Sales	\$625	83.821	\$22.372	\$0.2669	\$6,144	\$0.0733	\$0	\$0	\$5,339	\$0				\$34,481	\$29,141	\$22,372	\$6,769	
(84)	36	Jul-15	Jul-15	Trans	\$715	66.701	N/A		\$4,889	\$0.0733	\$0	\$305	\$4,249	\$0				\$10,158	\$5,604	\$0	\$5,604	
(85)	55	Jul-15	Jul-15	Trans	\$0	12.115	N/A		\$888	\$0.0733	\$0	\$3	\$772	\$0	\$45			\$1,708	\$888	\$0	\$888	
(86)	67	Jul-15	Jul-15	Trans	\$715	193.644	N/A		\$14,194	\$0.0733	\$0	\$0	\$0	\$0	\$85			\$14,909	\$14,909	\$0	\$14,909	
(87)	6	Aug-15	Aug-15	Trans	\$485	26.440	N/A		\$1,938	\$0.0733	\$0	\$0	\$1,684	\$0	\$1			\$4,108	\$2,423	\$0	\$2,423	
(88)	8	Aug-15	Aug-15	Trans	\$715	1,057.997	N/A		\$77,551	\$0.0733	\$0	\$4,505	\$67,394	\$0				\$150,166	\$78,266	\$0	\$78,266	
(89)	14	Jul-15	Aug-15	Sales	\$625	0	\$0		\$0	\$0.0912	\$0	\$19	\$0	\$0	\$1			\$645	\$625	\$0	\$625	
(90)	14	Aug-15	Aug-15	Sales	\$625	0	\$0		\$0	\$0.0912	\$0	\$19	\$0	\$0	\$1			\$645	\$625	\$0	\$625	
(91)	16	Aug-15	Aug-15	Trans	\$715	89.780	N/A		\$8,188	\$0.0912	\$0	\$0	\$5,719	\$0	\$1			\$14,623	\$8,903	\$0	\$8,903	
(92)	17	Aug-15	Aug-15	Trans	\$485	36.052	N/A		\$2,643	\$0.0733	\$0	\$0	\$2,297	\$0	\$1			\$5,425	\$3,128	\$0	\$3,128	
(93)	19	Aug-15	Aug-15	Trans	\$715	43.540	N/A		\$3,191	\$0.0733	\$0	\$0	\$2,773	\$0				\$6,681	\$3,906	\$0	\$3,906	
(94)	20	Aug-15	Aug-15	Trans	\$715	37.832	N/A		\$2,773	\$0.0733	\$0	\$9	\$2,410	(\$0.34)				\$5,908	\$3,488	\$0	\$3,488	
(95)	28	Aug-15	Aug-15	Sales	\$625	78.519	\$18.253	\$0.2325	\$5,755	\$0.0733	\$0	\$0	\$5,002	\$0				\$29,636	\$24,634	\$18,253	\$6,380	
(96)	36	Aug-15	Aug-15	Trans	\$715	43.413	N/A		\$3,182	\$0.0733	\$0	\$206	\$2,765	\$0	\$1			\$6,869	\$3,897	\$0	\$3,897	
(97)	55	Aug-15	Aug-15	Trans	\$0	10.608	N/A		\$778	\$0.0733	\$0	\$2	\$676	\$0	\$1			\$1,456	\$778	\$0	\$778	
(98)	67	Aug-15	Aug-15	Trans	\$715	188.823	N/A		\$13,841	\$0.0733	\$0	\$0	\$0	\$0	\$1			\$14,556	\$14,556	\$0	\$14,556	
(99)	6	Sep-15	Sep-15	Trans	\$485	28.636	N/A		\$2,099	\$0.0733	\$0	\$0	\$1,824	\$0	\$1			\$4,409	\$2,584	\$0	\$2,584	
(100)	8	Sep-15	Sep-15	Trans	\$715	978.399	N/A		\$71,717	\$0.0733	\$0	\$4,168	\$62,324	\$0	\$699			\$139,622	\$72,432	\$0	\$72,432	
(101)	14	Sep-15	Sep-15	Sales	\$625	1.103	\$277	\$0.2509	\$101	\$0.0912	\$0	\$33	\$70	\$0	\$171			\$1,277	\$1,002	\$277	\$726	
(102)	16	Sep-15	Sep-15	Trans	\$715	126.371	N/A		\$11,525	\$0.0912	\$0	\$0	\$8,050	\$0	\$184			\$20,473	\$12,240	\$0	\$12,240	
(103)	17	Sep-15	Sep-15	Trans	\$485	29.297	N/A		\$2,147	\$0.0733	\$0	\$0	\$1,866	\$0	\$14			\$4,512	\$2,632	\$0	\$2,632	
(104)	19	Sep-15	Sep-15	Trans	\$715	71.553	N/A		\$5,245	\$0.0733	\$0	\$0	\$4,558	\$0	\$1			\$10,518	\$5,960	\$0	\$5,960	
(105)	20	Sep-15	Sep-15	Trans	\$715	37.759	N/A		\$2,768	\$0.0733	\$0	\$9	\$2,405	(\$0.34)				\$5,898	\$3,482	\$0	\$3,482	
(106)	28	Sep-15	Sep-15	Sales	\$625	88.044	\$22.094	\$0.2509	\$6,454	\$0.0733	\$0	\$0	\$5,608	\$0	\$186			\$34,967	\$29,172	\$22,094	\$7,079	
(107)	36	Sep-15	Sep-15	Trans	\$715	64.511	N/A		\$4,729	\$0.0733	\$0	\$295	\$4,109	\$0				\$9,849	\$5,444	\$0	\$5,444	
(108)	55	Sep-15	Sep-15	Trans	\$0	11.713	N/A		\$859	\$0.0733	\$0	\$2	\$746	\$0	\$62			\$1,669	\$859	\$0	\$859	
(109)	67	Sep-15	Sep-15	Trans	\$715	317.457	N/A		\$23,270	\$0.0733	\$0	\$0	\$0	\$0	\$370			\$24,355	\$23,985	\$0	\$23,985	
(110)	6	Oct-15	Oct-15	Trans	\$485	33.521	N/A		\$2,457	\$0.0733	\$0	\$0	\$2,135	\$0	\$1			\$5,078	\$2,942	\$0	\$2,942	
(111)	8	Oct-15	Oct-15	Trans	\$715	923.093	N/A		\$67,663	\$0.0733	\$0	\$3,933	\$58,801	\$0	\$2,841			\$133,953	\$68,378	\$0	\$68,378	
(112)	14	Oct-15	Oct-15	Sales	\$625	82.867	\$21.050	\$0.2540	\$7,557	\$0.0912	\$0	\$1,139	\$5,279	\$0	\$187			\$29,232	\$23,100	\$21,050	\$8,182	
(113)	16	Oct-15	Oct-15	Trans	\$715	242.729	N/A		\$22,137	\$0.0912	\$0	\$0	\$15,462	\$0				\$38,315	\$22,852	\$0	\$22,852	
(114)	17	Oct-15	Oct-15	Trans	\$485	30.389	N/A		\$2,227	\$0.0733	\$0	\$0	\$1,936	\$0	\$7			\$4,656	\$2,712	\$0	\$2,712	
(115)	19	Oct-15	Oct-15	Trans	\$715	66.440	N/A		\$4,870	\$0.0733	\$0	\$0	\$4,232	(\$0.34)				\$9,818	\$5,585	\$0	\$5,585	
(116)	20	Oct-15	Oct-15	Trans	\$715	46.422	N/A		\$3,403	\$0.0733	\$0	\$14	\$2,957	\$0	\$1			\$7,089	\$4,117	\$0	\$4,117	
(117)	28	Oct-15	Oct-15	Sales	\$625	89.688	\$22.783	\$0.2540	\$6,574	\$0.0733	\$0	\$0	\$5,713	\$0	\$1			\$35,695	\$29,982	\$22,783	\$7,199	
(118)	36	Oct-15	Oct-15	Trans	\$715	59.337	N/A		\$4,349	\$0.0733	\$0	\$274	\$3,780	\$0				\$9,118	\$5,064	\$0	\$5,064	
(119)	55	Oct-15	Oct-15	Trans	\$0	10.987	N/A		\$805	\$0.0733	\$0	\$2										

Actual Non-Firm Margin Revenue by month for calendar year 2015

Line #	Assigned #	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailments Distribution	Curtailments Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [(p)+(q)]	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	
(130) 55	Nov-15	Nov-15	Trans	\$0	20,964	N/A	N/A	\$1,537	\$0.0733	\$0	\$4	\$1,335	\$1	\$2,877				\$1,537	\$0	\$1,537		
(131) 67	Nov-15	Nov-15	Trans	\$715	280,360	N/A	N/A	\$20,550	\$0.0733	\$0	\$0	\$0	\$0	\$1	\$21,266			\$21,265	\$0	\$21,265		
(132) 8	Dec-15	Dec-15	Trans	\$485	10,719	N/A	N/A	\$786	\$0.0733	\$0	\$0	\$683	\$1	\$1,954				\$1,271	\$0	\$1,271		
(133) 8	Dec-15	Dec-15	Trans	\$715	630,096	N/A	N/A	\$46,186	\$0.0733	\$0	\$2,692	\$40,137	\$0	\$2,841				\$92,571	\$0	\$46,901		
(134) 14	Dec-15	Dec-15	Sales	\$625	259,269	\$95,232	\$0.3673	\$23,645	\$0.0912	\$0	\$4,207	\$16,515	\$0	\$797				\$119,502	\$95,232	\$24,270		
(135) 16	Dec-15	Dec-15	Trans	\$715	346,714	N/A	N/A	\$31,620	\$0.0912	\$0	\$0	\$22,086	\$0	\$1,093				\$32,335	\$0	\$32,335		
(136) 16	Jan-14	Dec-15	Trans	\$0	(245)	N/A	\$13,954	\$0.0912	\$0	\$0	\$0	\$0	\$0	\$0				(\$3,419)	(\$3,419)	\$0	Return of curtailment for 245 therms	
(137) 16	Jan-14	Dec-15	Trans	\$0	(656)	N/A	\$19,430	\$0.0912	\$0	\$0	\$0	\$0	\$0	\$0				(\$12,748)	(\$12,748)	\$0	Return of curtailment for 656 therms	
(138) 17	Dec-15	Dec-15	Trans	\$485	28,504	N/A	N/A	\$2,089	\$0.0733	\$0	\$0	\$1,816	\$0	\$14				\$4,404	\$0	\$2,574		
(139) 19	Dec-15	Dec-15	Trans	\$715	4,481	N/A	N/A	\$328	\$0.0733	\$0	\$0	\$285	\$1	\$1,330				\$1,043	\$0	\$1,043		
(140) 20	Dec-15	Dec-15	Trans	\$715	54,561	N/A	N/A	\$3,999	\$0.0733	\$0	\$13	\$3,476	(\$0.34)	\$1	\$8,203			\$4,714	\$0	\$4,714		
(141) 28	Dec-15	Dec-15	Sales	\$625	60,134	\$22,088	\$0.3673	\$4,408	\$0.0733	\$0	\$0	\$3,831	\$0	\$3,952				\$27,121	\$22,088	\$5,033		
(142) 36	Dec-15	Dec-15	Trans	\$715	86,415	N/A	N/A	\$6,334	\$0.0733	\$0	\$388	\$5,505	\$0	\$1				\$7,049	\$0	\$7,049		
(143) 55	Dec-15	Dec-15	Trans	\$0	13,583	N/A	N/A	\$996	\$0.0733	\$0	\$3	\$865	\$77	\$539				\$1,940	\$996	\$0	\$996	
(144) 67	Dec-15	Dec-15	Trans	\$715	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$539			\$1,254	\$0	\$715		
(145)				\$78,120	18,091,982	\$839,736		\$1,330,326		\$0	\$68,898	\$1,012,472	(\$3)	\$40	\$84	(\$4,061)	\$3,325,611	\$2,244,201	\$835,675	\$1,408,526		

Column (b) to Column (q) per customer billing information
Column (r) = Columns (e) + (g) + (i) + (k) + (l) + (m) + (n) + (o) + (p) + (q)
Column (s) = Columns (r) - [(k) + (l) + (m) + (o)]
Column (t) = Columns (g) + (q)
Column (u) = Columns (s) - (t)

Actual Non-Firm Margin Revenue by month for calendar year 2016

Line #	Assigned #	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Energy Efficiency Surcharge	Paperless credit	Other charges	Other Curtailments Distribution	Other Curtailments Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [(g/q)]	Total Margin	Comment	
(1)	6	Jan-16	Jan-16	Trans	\$485	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0		(\$116)				\$369	\$485	\$0	\$485	
(2)	8	Jan-16	Jan-16	Trans	\$715	541,254	N/A	\$39,674	\$0.0733	\$0	\$0	\$2,064	\$26,359	\$0	\$2,841	\$0			\$71,653	\$40,389	\$0	\$40,389	
(3)	14	Jan-16	Jan-16	Sales	\$625	193,079	\$100,839	\$0.5223	\$17,609	\$0.0912	\$0	\$4,004	\$9,403	\$0	\$162	\$0			\$132,641	\$119,073	\$100,839	\$18,234	
(4)	14	Jan-16	Jan-16	Sales	\$0	301	N/A	N/A	\$0	\$0.0912	\$0	\$0	\$15	\$0	\$0	\$0			\$994	\$979	\$952	\$27	
(5)	14	Jan-16	Jan-16	Sales	(\$625)	(193,380)	N/A	\$0.5223	(\$17,636)	\$0.0912	\$0	(\$3,980)	(\$9,418)	\$0	\$0	\$0			(\$132,656)	(\$119,258)	(\$100,996)	(\$18,261)	Curtailment 301 therms
(6)	16	Jan-16	Jan-16	Trans	\$715	329,855	N/A	\$30,083	\$0.0912	\$0	\$0	\$0	\$16,064	\$0	\$0	\$0			\$46,862	\$30,798	\$0	\$30,798	Canceled January 2016 bill
(7)	17	Jan-16	Jan-16	Trans	\$485	1,484	N/A	N/A	\$109	\$0.0733	\$0	\$0	\$72	\$0	(\$554)	\$0			\$112	\$594	\$0	\$594	
(8)	19	Jan-16	Jan-16	Trans	\$715	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$716	\$715	\$0	\$715	
(9)	20	Jan-16	Jan-16	Trans	\$715	53,081	N/A	\$3,891	\$0.0733	\$0	\$11	\$2,585	(\$0.34)	\$0	\$0	\$0			\$7,202	\$4,606	\$0	\$4,606	
(10)	28	Jan-16	Jan-16	Sales	\$625	0	\$0	\$0	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$626	\$625	\$0	\$625	
(11)	36	Jan-16	Jan-16	Trans	\$715	68,719	N/A	\$5,037	\$0.0733	\$0	\$281	\$3,347	\$0	\$0	\$0	\$0			\$9,381	\$5,752	\$0	\$5,752	
(12)	55	Jan-16	Jan-16	Trans	\$715	20,530	N/A	\$1,505	\$0.0733	\$0	\$4	\$1,000	\$0	\$0	\$0	\$0			\$2,509	\$1,505	\$0	\$1,505	
(13)	67	Jan-16	Jan-16	Trans	\$715	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$716	\$715	\$0	\$715	
(14)	6	Feb-16	Feb-16	Trans	\$485	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$486	\$485	\$0	\$485	
(15)	8	Feb-16	Feb-16	Trans	\$715	485,519	N/A	\$35,589	\$0.0733	\$0	\$1,854	\$23,645	\$0	\$0	\$0	\$0			\$64,643	\$36,304	\$0	\$36,304	
(16)	14	Feb-16	Feb-16	Sales	\$625	125,593	\$71,056	\$0.5658	\$11,454	\$0.0912	\$0	\$2,760	\$6,116	\$0	\$0	\$0			\$92,012	\$83,135	\$71,056	\$12,079	
(17)	14	Jan-16	Feb-16	Sales	\$625	193,380	\$100,996	\$0.5223	\$17,636	\$0.0912	\$0	\$3,980	\$9,418	\$0	\$0	\$0			\$132,656	\$119,258	\$100,996	\$18,261	
(18)	16	Feb-16	Feb-16	Trans	\$715	333,309	N/A	\$30,398	\$0.0912	\$0	\$0	\$0	\$16,232	\$0	\$0	\$0			\$48,040	\$31,113	\$0	\$31,113	
(19)	17	Feb-16	Feb-16	Trans	\$485	1,293	N/A	\$0	\$95	\$0.0733	\$0	\$0	\$63	\$0	\$0	\$0			\$643	\$580	\$0	\$580	
(20)	19	Feb-16	Feb-16	Trans	\$715	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	(\$482)	\$0			\$233	\$715	\$0	\$715	
(21)	20	Feb-16	Feb-16	Trans	\$715	22,551	N/A	\$1,653	\$0.0733	\$0	\$5	\$1,098	\$0	\$0	(\$0.34)	\$0			\$3,472	\$2,368	\$0	\$2,368	
(22)	28	Feb-16	Feb-16	Sales	\$625	0	\$0	\$0	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$626	\$625	\$0	\$625	
(23)	36	Feb-16	Feb-16	Trans	\$715	89,213	N/A	\$6,539	\$0.0733	\$0	\$359	\$4,345	\$0	\$0	\$0	\$0			\$11,959	\$7,254	\$0	\$7,254	
(24)	55	Feb-16	Feb-16	Trans	\$0	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$4,306			\$4,306	\$0	\$0	\$0	
(25)	67	Feb-16	Feb-16	Trans	\$715	30,219	N/A	\$2,215	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0	\$25			\$2,955	\$2,930	\$0	\$2,930	
(26)	6	Mar-16	Mar-16	Trans	\$485	143	N/A	\$11	\$0	\$0.0733	\$0	\$0	\$7	\$0	\$0	\$0			\$503	\$496	\$0	\$496	
(27)	8	Mar-16	Mar-16	Trans	\$715	698,905	N/A	\$51,230	\$0.0733	\$0	\$0	\$2,659	\$34,037	\$0	\$0	\$0			\$91,481	\$51,945	\$0	\$51,945	
(28)	14	Mar-16	Mar-16	Sales	\$625	272,307	N/A	\$24,884	\$0.0912	\$0	\$3,297	\$13,261	\$0	\$0	\$0	\$0			\$109,885	\$93,526	\$67,867	\$25,459	
(29)	16	Mar-16	Mar-16	Trans	\$715	370,558	N/A	\$33,795	\$0.0912	\$0	\$0	\$0	\$18,046	\$0	\$0	\$0			\$52,557	\$34,510	\$0	\$34,510	
(30)	17	Mar-16	Mar-16	Trans	\$485	191	N/A	\$14	\$0	\$0.0733	\$0	\$0	\$9	\$0	\$0	\$0			\$509	\$499	\$0	\$499	
(31)	19	Mar-16	Mar-16	Trans	\$715	8	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$717	\$716	\$0	\$716	
(32)	20	Mar-16	Mar-16	Trans	\$715	54,637	N/A	\$4,005	\$0.0733	\$0	\$11	\$2,661	\$0	\$0	(\$0.34)	\$0			\$7,392	\$4,720	\$0	\$4,720	
(33)	28	Mar-16	Mar-16	Sales	\$625	0	\$0	\$0	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$626	\$625	\$0	\$625	
(34)	36	Mar-16	Mar-16	Trans	\$715	92,124	N/A	\$6,753	\$0.0733	\$0	\$370	\$4,486	\$0	\$0	\$0	\$0			\$12,325	\$7,468	\$0	\$7,468	
(35)	55	Mar-16	Mar-16	Trans	\$0	387	N/A	N/A	\$28	\$0.0733	\$0	\$0	\$19	\$0	\$0	\$0			\$48	\$28	\$0	\$28	
(36)	67	Mar-16	Mar-16	Trans	\$715	34,415	N/A	\$2,523	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$3,238	\$3,238	\$0	\$3,238	
(37)	6	Apr-16	Apr-16	Trans	\$485	3	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$486	\$485	\$0	\$485	
(38)	8	Apr-16	Apr-16	Trans	\$715	601,269	N/A	\$44,073	\$0.0733	\$0	\$2,291	\$29,282	\$0	\$0	\$0	\$0			\$79,201	\$44,788	\$0	\$44,788	
(39)	14	Apr-16	Apr-16	Sales	\$625	247,779	N/A	\$22,997	\$0.0912	\$0	\$2,998	\$12,067	\$0	\$0	\$0	\$0			\$76,603	\$62,238	\$39,015	\$23,222	
(40)	16	Apr-16	Apr-16	Trans	\$715	324,425	N/A	\$29,588	\$0.0912	\$0	\$0	\$0	\$15,799	\$0	\$0	\$0			\$46,760	\$30,303	\$0	\$30,303	
(41)	17	Apr-16	Apr-16	Trans	\$485	1,245	N/A	\$91	\$0	\$0.0733	\$0	\$0	\$61	\$0	\$0	\$0			\$638	\$576	\$0	\$576	
(42)	19	Apr-16	Apr-16	Trans	\$715	15,571	N/A	\$1,141	\$0.0733	\$0	\$0	\$758	\$0	\$0	\$0	\$0			\$2,615	\$1,856	\$0	\$1,856	
(43)	20	Apr-16	Apr-16	Trans	\$715	56,761	N/A	\$4,161	\$0.0733	\$0	\$12	\$2,764	\$0	\$0	(\$0.34)	\$0			\$7,652	\$4,875	\$0	\$4,875	
(44)	28	Apr-16	Apr-16	Sales	\$625	39,846	N/A	\$2,921	\$0.0733	\$0	\$0	\$1,941	\$0	\$0	\$0	\$0			\$11,761	\$9,820	\$6,274	\$3,546	
(45)	36	Apr-16	Apr-16	Trans	\$715	74,011	N/A	\$5,425	\$0.0733	\$0	\$301	\$3,604	\$0	\$0	\$0	\$0			\$10,047	\$6,140	\$0	\$6,140	
(46)	55	Apr-16	Apr-16	Trans	\$0	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$2			\$2	\$0	\$0	\$0	
(47)	67	Apr-16	Apr-16	Trans	\$715	72	N/A	\$5	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$721	\$720	\$0	\$720	
(48)	6	May-16	May-16	Trans	\$485	21,251	N/A	\$1,538	\$0.0733	\$0	\$0	\$1,035	\$0	\$0	\$0	\$0			\$3,078	\$2,043	\$0	\$2,043	
(49)	8	May-16	May-16	Trans	\$715	747,459	N/A	\$54,789	\$0.0733	\$0	\$2,842	\$36,401	\$0	\$0	\$0	\$0			\$97,588	\$55,504	\$0	\$55,504	
(50)	14	May-16	May-16	Sales	\$625	45,038	N/A	\$4,038	\$0.0912	\$0	\$439	\$2,193	\$0	\$0	\$0	\$0			\$14,621	\$11,988	\$7,256	\$4,732	
(51)	16	May-16	May-16	Trans	\$715	187,751	N/A	\$17,123	\$0.0912	\$0	\$0	\$9,143	\$0	\$0	\$0	\$585			\$27,567	\$17,838	\$0	\$17,838	
(52)	17	May-16	May-16	Trans	\$485	2,859	N/A	\$210	\$0.0733	\$0	\$0	\$139	\$0	\$0	\$0	\$0			\$835	\$695	\$0	\$695	
(53)	19	May-16	May-16	Trans	\$715	42,047	N/A	\$3,082	\$0.0733	\$0	\$0	\$2,048	\$0	\$0	\$0	\$0			\$5,845	\$3,797	\$0	\$3,797	
(54)	20	May-16	May-16	Trans	\$715	44,050	N/A	\$3,229	\$0.0733	\$0	\$9	\$2,145	\$0	\$0	(\$0.34)	\$0			\$6,099	\$3,944	\$0	\$3,944	
(55)	28	May-16	May-16	Sales	\$625	74,138	N/A	\$5,434	\$0.0733	\$0	\$0	\$3,611	\$0	\$0	\$0	\$0			\$21,615	\$18,004	\$11,944	\$6,059	
(56)	36	May-16	May-16	Trans	\$715	59,366	N/A	\$4,352	\$0.0733	\$0	\$246	\$2,891	\$0	\$0	\$0	\$0			\$8,205	\$5,067	\$0	\$5,067	
(57)	55	May-16	May-16	Trans	\$0	0	N/A	N/A	\$0	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0			\$1	\$0	\$0	\$0	
(58)	67	May-16	May-16	Trans	\$715	20,704	N/A	\$1,518	\$0.0733	\$0	\$0	\$0	\$0	\$0	\$0	\$10			\$2,242	\$2,233	\$0	\$2,233	

Actual Non-Firm Margin Revenue by month for calendar year 2016

Line #	Assigned #	Month Charges Apply to	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	G&T	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailments Distribution	Curtailments Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [(g)+(q)]	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	
(59)	6	Jun-16	Jun-16	Trans	\$485	5,626	N/A		\$412	\$0.0733	\$0	\$0	\$274					\$1,168	\$897	\$0	\$897	
(60)	8	Jun-16	Jun-16	Trans	\$715	659,195	N/A		\$48,319	\$0.0733	\$0	\$2,509	\$32,103		\$2,841			\$86,487	\$49,034	\$0	\$49,034	
(61)	14	Jun-16	Jun-16	Sales	\$625	0	\$0		\$0	\$0.0912	\$0	\$19	\$0					\$645	\$625	\$0	\$625	
(62)	16	Jun-16	Jun-16	Trans	\$715	132,081	N/A		\$12,046	\$0.0912	\$0	\$0	\$6,432					\$19,194	\$12,761	\$0	\$12,761	
(63)	17	Jun-16	Jun-16	Trans	\$485	4,864	N/A		\$403	\$0.0733	\$0	\$0	\$237					\$1,079	\$842	\$0	\$842	
(64)	19	Jun-16	Jun-16	Trans	\$715	6,728	N/A		\$2,504	\$0.0733	\$0	\$0	\$328					\$1,537	\$1,208	\$0	\$1,208	
(65)	20	Jun-16	Jun-16	Trans	\$715	34,158	N/A		\$6,756	\$0.0733	\$0	\$8	\$4,489	(\$0.34)				\$4,890	\$3,218	\$0	\$3,218	
(66)	28	Jun-16	Jun-16	Sales	\$625	92,174	\$16,645	\$0.1806	\$4,784	\$0.0733	\$0	\$268	\$3,178					\$28,651	\$24,026	\$16,645	\$7,381	
(67)	36	Jun-16	Jun-16	Trans	\$715	65,262	N/A		\$0	\$0.0733	\$0	\$0	\$3,178					\$8,946	\$5,499	\$0	\$5,499	
(68)	67	Jun-16	Jun-16	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$0	\$0					\$744	\$715	\$0	\$715	
(69)	6	Jul-16	Jul-16	Trans	\$485	4,798	N/A		\$352	\$0.0733	\$0	\$0	\$234					\$1,071	\$837	\$0	\$837	
(70)	8	Jul-16	Jul-16	Trans	\$715	923,565	N/A		\$67,097	\$0.0733	\$0	\$3,507	\$44,978					\$122,773	\$68,412	\$0	\$68,412	
(71)	14	Jul-16	Jul-16	Sales	\$625	0	\$0		\$0	\$0.0912	\$0	\$19	\$0					\$645	\$625	\$0	\$625	
(72)	16	Jul-16	Jul-16	Trans	\$715	127,523	N/A		\$11,630	\$0.0912	\$0	\$0	\$6,210					\$18,796	\$12,345	\$0	\$12,345	
(73)	17	Jul-16	Jul-16	Trans	\$485	3,955	N/A		\$290	\$0.0733	\$0	\$0	\$193					\$968	\$775	\$0	\$775	
(74)	19	Jul-16	Jul-16	Trans	\$715	6,637	N/A		\$486	\$0.0733	\$0	\$0	\$323					\$1,525	\$1,201	\$0	\$1,201	
(75)	20	Jul-16	Jul-16	Trans	\$715	41,029	N/A		\$3,007	\$0.0733	\$0	\$9	\$1,998					\$5,730	\$3,722	\$0	\$3,722	
(76)	28	Jul-16	Jul-16	Sales	\$625	63,349	\$17,210	\$0	\$4,644	\$0.0733	\$0	\$0	\$3,085	(\$0.34)				\$25,743	\$22,478	\$17,210	\$22,478	
(77)	36	Jul-16	Jul-16	Trans	\$715	65,051	N/A		\$4,768	\$0.0733	\$0	\$268	\$3,168					\$8,920	\$5,483	\$0	\$5,483	
(78)	67	Jul-16	Jul-16	Trans	\$715	344,606	N/A		\$25,260	\$0.0733	\$0	\$0	\$200					\$25,985	\$25,975	\$0	\$25,975	
(79)	6	Aug-16	Aug-16	Trans	\$485	4,107	N/A		\$301	\$0.0733	\$0	\$0	\$200					\$987	\$786	\$0	\$786	
(80)	8	Aug-16	Aug-16	Trans	\$715	988,237	N/A		\$72,438	\$0.0733	\$0	\$3,751	\$48,127					\$130,907	\$73,153	\$0	\$73,153	
(81)	14	Aug-16	Aug-16	Sales	\$625	0	\$0		\$0	\$0.0912	\$0	\$19	\$0					\$645	\$625	\$0	\$625	
(82)	16	Aug-16	Aug-16	Trans	\$715	106,187	N/A		\$9,684	\$0.0912	\$0	\$0	\$5,171					\$15,563	\$10,399	\$0	\$10,399	
(83)	17	Aug-16	Aug-16	Trans	\$485	2,860	N/A		\$210	\$0.0733	\$0	\$0	\$139					\$835	\$695	\$0	\$695	
(84)	19	Aug-16	Aug-16	Trans	\$715	6,630	N/A		\$486	\$0.0733	\$0	\$0	\$323					\$1,525	\$1,201	\$0	\$1,201	
(85)	20	Aug-16	Aug-16	Trans	\$715	45,189	N/A		\$3,312	\$0.0733	\$0	\$10	\$2,201	(\$0.34)				\$6,238	\$4,027	\$0	\$4,027	
(86)	28	Aug-16	Aug-16	Sales	\$625	67,419	\$16,512	\$0.2449	\$4,942	\$0.0733	\$0	\$0	\$3,283					\$25,363	\$22,079	\$16,512	\$22,079	
(87)	36	Aug-16	Aug-16	Trans	\$715	47,097	N/A		\$3,452	\$0.0733	\$0	\$200	\$2,294					\$6,661	\$4,167	\$0	\$4,167	
(88)	67	Aug-16	Aug-16	Trans	\$715	754,830	N/A		\$55,329	\$0.0733	\$0	\$0	\$307					\$56,370	\$56,044	\$0	\$56,044	
(89)	6	Sep-16	Sep-16	Trans	\$485	6,303	N/A		\$462	\$0.0733	\$0	\$0	\$307					\$1,255	\$947	\$0	\$947	
(90)	8	Sep-16	Sep-16	Trans	\$715	1,029,192	N/A		\$75,440	\$0.0733	\$0	\$3,905	\$50,122					\$136,058	\$76,155	\$0	\$76,155	
(91)	14	Sep-16	Sep-16	Sales	\$625	511	\$87	\$0.1694	\$47	\$0.0912	\$0	\$24	\$25					\$808	\$758	\$87	\$758	
(92)	16	Sep-16	Sep-16	Trans	\$715	155,333	N/A		\$14,166	\$0.0912	\$0	\$0	\$7,565					\$22,447	\$14,881	\$0	\$14,881	
(93)	17	Sep-16	Sep-16	Trans	\$485	2,260	N/A		\$166	\$0.0733	\$0	\$0	\$110					\$761	\$651	\$0	\$651	
(94)	19	Sep-16	Sep-16	Trans	\$715	6,751	N/A		\$495	\$0.0733	\$0	\$0	\$329					\$1,539	\$1,210	\$0	\$1,210	
(95)	20	Sep-16	Sep-16	Trans	\$715	48,973	N/A		\$3,590	\$0.0733	\$0	\$10	\$2,385	(\$0.34)				\$6,700	\$4,304	\$0	\$4,304	
(96)	28	Sep-16	Sep-16	Sales	\$625	58,650	\$9,598	\$0.1694	\$4,152	\$0.0733	\$0	\$0	\$2,759					\$17,135	\$14,375	\$9,598	\$14,375	
(97)	36	Sep-16	Sep-16	Trans	\$715	58,369	N/A		\$4,278	\$0.0733	\$0	\$242	\$2,843					\$8,079	\$4,993	\$0	\$4,993	
(98)	67	Sep-16	Sep-16	Trans	\$715	454,684	N/A		\$33,328	\$0.0733	\$0	\$0	\$304					\$34,044	\$34,043	\$0	\$34,043	
(99)	6	Oct-16	Oct-16	Trans	\$485	6,867	N/A		\$503	\$0.0733	\$0	\$0	\$334					\$1,324	\$988	\$0	\$988	
(100)	8	Oct-16	Oct-16	Trans	\$715	955,259	N/A		\$70,020	\$0.0733	\$0	\$3,627	\$46,521					\$126,760	\$70,735	\$0	\$70,735	
(101)	14	Oct-16	Oct-16	Sales	\$625	86,406	\$14,373	\$0.1663	\$7,880	\$0.0912	\$0	\$838	\$4,208					\$27,935	\$22,878	\$14,373	\$22,878	
(102)	16	Oct-16	Oct-16	Trans	\$715	255,312	N/A		\$23,284	\$0.0912	\$0	\$0	\$12,434					\$36,912	\$23,999	\$0	\$23,999	
(103)	17	Oct-16	Oct-16	Trans	\$485	2,582	N/A		\$189	\$0.0733	\$0	\$0	\$126					\$801	\$674	\$0	\$674	
(104)	19	Oct-16	Oct-16	Trans	\$715	7,925	N/A		\$581	\$0.0733	\$0	\$0	\$386					\$1,683	\$1,296	\$0	\$1,296	
(105)	20	Oct-16	Oct-16	Trans	\$715	53,646	N/A		\$3,932	\$0.0733	\$0	\$11	\$2,613	(\$0.34)				\$7,271	\$4,647	\$0	\$4,647	
(106)	28	Oct-16	Oct-16	Sales	\$625	81,767	\$13,601	\$0.1663	\$5,994	\$0.0733	\$0	\$0	\$3,982					\$24,020	\$20,220	\$13,601	\$20,220	
(107)	36	Oct-16	Oct-16	Trans	\$715	67,250	N/A		\$4,929	\$0.0733	\$0	\$276	\$3,275					\$9,196	\$5,644	\$0	\$5,644	
(108)	67	Oct-16	Oct-16	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$0	\$0					\$1,420	\$715	\$0	\$715	
(109)	6	Nov-16	Nov-16	Trans	\$485	6,381	N/A		\$468	\$0.0733	\$0	\$0	\$311					\$1,264	\$953	\$0	\$953	
(110)	8	Nov-16	Nov-16	Trans	\$715	719,765	N/A		\$52,759	\$0.0733	\$0	\$2,738	\$35,053					\$97,141	\$53,474	\$0	\$53,474	
(111)	14	Nov-16	Nov-16	Sales	\$625	248,369	\$70,534	\$0.2840	\$22,651	\$0.0912	\$0	\$3,275	\$12,096					\$109,182	\$93,810	\$70,534	\$93,810	
(112)	16	Nov-16	Nov-16	Trans	\$715	349,552	N/A		\$31,879	\$0.0912	\$0	\$0	\$17,023					\$49,618	\$32,594	\$0	\$32,594	
(113)	17	Nov-16	Nov-16	Trans	\$485	2,942	N/A		\$216	\$0.0733	\$0	\$0	\$143					\$845	\$701	\$0	\$701	
(114)	19	Nov-16	Nov-16	Trans	\$715	7,504	N/A		\$550	\$0.0733	\$0	\$0	\$365					\$1,631	\$1,265	\$0	\$1,265	
(115)	20	Nov-16	Nov-16	Trans	\$715	59,688	N/A		\$4,375	\$0.0733	\$0	\$12	\$2,907	(\$0.34)				\$8,010	\$5,090	\$0	\$5,090	
(116)	28	Nov-16	Nov-16	Sales	\$625	79,672	\$22,626	\$0.2840	\$5,840	\$0.0733	\$0	\$0	\$3,880					\$29,972	\$29,091	\$22,626	\$29,091	
(117)	36	Nov-16	Nov-16	Trans	\$715	85,256	N/A		\$6,249	\$0.0733	\$0	\$344	\$4,152					\$11,461	\$6,964	\$0	\$6,964	
(118)	67	Nov-16	Nov-16	Trans	\$715	10,702	N/A		\$784	\$0.0733	\$0	\$0	\$0					\$1,500	\$1,499	\$0	\$1,499	

Actual Non-Firm Margin Revenue by month for calendar year 2016

Month Charges			Bill Date	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge (per therm)	Commodity rate			Sales tax	Energy Efficiency Surcharge	Paperless credit	Other charges	Other Curtailments Distribution	Other Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost [(g)+(q)]	Total Margin	Comment			
Apply To	Assigned #	Line #	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)
Dec-16		(119)	6	Dec-16	Trans	\$485	4,700	N/A			\$345	\$0.0733	\$0	\$0	\$229	\$1	\$1,059		\$830	\$0	\$830			
Dec-16		(120)	6	Dec-16	Trans	\$0	448	N/A			\$0	\$0.0256	\$0	\$0	\$22		\$2,589		\$2,567	\$0	\$2,567		Curtailment 448 therms	
Dec-16		(121)	8	Dec-16	Trans	\$715	395,054	N/A			\$28,957	\$0.0733	\$0	\$1,513	\$19,239	\$7,461	\$77,885		\$29,672	\$0	\$29,672			
Dec-16		(122)	14	Dec-16	Sales	\$625	295,995	\$130,720		\$0.4416	\$26,995	\$0.0912	\$0	\$5,343	\$14,415	\$1,715	\$179,813		\$158,340	\$130,720	\$27,620			
Dec-16		(123)	16	Dec-16	Trans	\$715	439,089	N/A			\$40,045	\$0.0912	\$0	\$0	\$0	\$97	\$1,082	\$63,226		\$40,760	\$0	\$40,760		
Dec-16		(124)	17	Dec-16	Trans	\$485	2,001	N/A			\$147	\$0.0733	\$0	\$0	\$97		\$730		\$632	\$0	\$632			
Dec-16		(125)	19	Dec-16	Trans	\$715	2,852	N/A			\$209	\$0.0733	\$0	\$0	\$139		\$1,064		\$924	\$0	\$924			
Dec-16		(126)	20	Dec-16	Trans	\$715	48,729	N/A			\$3,572	\$0.0733	\$0	\$10	\$2,373	(\$0.34)	\$1	\$6,671		\$4,287	\$0	\$4,287		
Dec-16		(127)	28	Dec-16	Sales	\$625	36,059	\$15,925		\$0.4416	\$2,643	\$0.0733	\$0	\$0	\$1,756	\$152	\$21,101		\$19,193	\$15,925	\$3,268			
Dec-16		(128)	36	Dec-16	Trans	\$715	109,157	N/A			\$8,001	\$0.0733	\$0	\$434	\$5,316		\$14,467		\$8,716	\$0	\$8,716			
Dec-16		(129)	67	Dec-16	Trans	\$715	27,269	N/A			\$1,999	\$0.0733	\$0	\$0	\$0	\$19	\$19	\$2,733		\$2,714	\$0	\$2,714		
		(130)				\$78,120	\$17,295,699	\$632,081			\$1,350,526		\$0	\$59,309	\$760,606	(\$4)	\$64,315	\$39	\$3,507	\$2,948,500	\$2,064,269	\$633,033	\$1,431,236	

Column (b) to Column (q) per customer billing information
Column (r) = Columns (e) + (g) + (i) + (k) + (m) + (n) + (o) + (p) + (q)
Column (s) = Columns (r) - [(k) + (i) + (m) + (o)]
Column (t) = Columns (g) + (q)
Column (u) = Columns (s) - (i)

Actual Non-Firm Margin Revenue by month for calendar year 2017

Line #	Assigned #	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge (per therm)	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	G&T	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailment Distribution	Curtailment Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost (lg+q)	Total Margin	Comment
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
6	Jan-17	Jan-17	Trans	\$485	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$385	\$485	\$0	\$485	
8	Jan-17	Jan-17	Trans	\$715	365.017	N/A			\$26,756	\$0.0733	\$0	\$1,669	\$24,650					\$61,537	\$27,471	\$0	\$27,471	
14	Jan-17	Jan-17	Sales	\$625	293.169	\$308.502	\$10.523		\$26,737	\$0.0912	\$0	\$11,046	\$21,284					\$370,442	\$335,864	\$308.502	\$27,362	
16	Jan-17	Jan-17	Trans	\$715	405.229	N/A			\$36,957	\$0.0912	\$0	\$0	\$29,420					\$67,092	\$37,672	\$0	\$37,672	
17	Jan-17	Jan-17	Trans	\$485	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$486	\$485	\$0	\$485	
19	Jan-17	Jan-17	Trans	\$715	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$716	\$715	\$0	\$715	
20	Jan-17	Jan-17	Trans	\$715	68.036	N/A			\$4,987	\$0.0733	\$0	\$16	\$4,939					\$10,658	\$5,702	\$0	\$5,702	
28	Jan-17	Jan-17	Sales	\$625	0	\$0			\$0	\$0.0733	\$0	\$0	\$0					\$626	\$625	\$0	\$625	
36	Jan-17	Jan-17	Trans	\$715	96.564	N/A			\$7,078	\$0.0733	\$0	\$458	\$7,011					\$15,262	\$7,793	\$0	\$7,793	
67	Jan-17	Jan-17	Trans	\$715	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$750	\$715	\$0	\$715	
11	Feb-17	Feb-17	Trans	\$485	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$486	\$485	\$0	\$485	
8	Feb-17	Feb-17	Trans	\$715	340.023	N/A			\$24,924	\$0.0733	\$0	\$1,556	\$24,686					\$57,777	\$25,639	\$0	\$25,639	
13	Feb-17	Feb-17	Sales	\$625	201.867	\$154.384	\$0.7648		\$18,410	\$0.0912	\$0	\$5,817	\$14,656					\$198,523	\$173,419	\$154.384	\$19,035	
16	Feb-17	Feb-17	Trans	\$715	321.493	N/A			\$29,320	\$0.0912	\$0	\$0	\$23,340					\$54,215	\$30,035	\$0	\$30,035	
17	Feb-17	Feb-17	Trans	\$485	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$486	\$485	\$0	\$485	
15	Feb-17	Feb-17	Trans	\$715	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$716	\$715	\$0	\$715	
16	Feb-17	Feb-17	Trans	\$715	55.603	N/A			\$4,076	\$0.0733	\$0	\$14	\$4,037					\$8,842	\$4,790	\$0	\$4,790	
20	Feb-17	Feb-17	Trans	\$0	75	N/A			\$0	\$0.0733	\$0	\$0	\$5					\$320	\$315	\$0	\$315	
18	Feb-17	Feb-17	Sales	\$625	0	\$0			\$0	\$0.0733	\$0	\$0	\$0					\$626	\$625	\$0	\$625	
28	Feb-17	Feb-17	Trans	\$715	65.913	N/A			\$4,831	\$0.0733	\$0	\$320	\$4,785					\$10,652	\$5,546	\$0	\$5,546	
36	Feb-17	Feb-17	Trans	\$715	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$725	\$715	\$0	\$715	
67	Feb-17	Feb-17	Trans	\$485	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$486	\$485	\$0	\$485	
22	Mar-17	Mar-17	Trans	\$715	421.756	N/A			\$30,915	\$0.0733	\$0	\$1,925	\$30,620					\$70,051	\$31,630	\$0	\$31,630	
8	Mar-17	Mar-17	Sales	\$625	241.792	\$85.316	\$0.3528		\$22,051	\$0.0912	\$0	\$3,883	\$17,554					\$120,828	\$107,993	\$85.316	\$22,676	
14	Mar-17	Mar-17	Trans	\$715	370.806	N/A			\$33,818	\$0.0912	\$0	\$0	\$26,921					\$61,454	\$34,533	\$0	\$34,533	
16	Mar-17	Mar-17	Trans	\$485	3.289	N/A			\$241	\$0.0733	\$0	\$0	\$239					\$966	\$726	\$0	\$726	
25	Mar-17	Mar-17	Trans	\$715	1	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$716	\$715	\$0	\$715	
27	Mar-17	Mar-17	Trans	\$715	63.616	N/A			\$4,663	\$0.0733	\$0	\$15	\$4,619					\$10,012	\$5,378	\$0	\$5,378	
28	Mar-17	Mar-17	Sales	\$625	9.371	\$3.307	\$0.3528		\$687	\$0.0733	\$0	\$0	\$680					\$5,300	\$4,618	\$3.307	\$1,312	
30	Mar-17	Mar-17	Trans	\$715	69.392	N/A			\$5,086	\$0.0733	\$0	\$335	\$5,038					\$11,175	\$5,801	\$0	\$5,801	
31	Mar-17	Mar-17	Trans	\$715	0	N/A			\$0	\$0.0733	\$0	\$0	\$0					\$716	\$715	\$0	\$715	
33	Apr-17	Apr-17	Trans	\$485	3.369	N/A			\$247	\$0.0733	\$0	\$0	\$245					\$977	\$732	\$0	\$732	
32	Apr-17	Apr-17	Trans	\$715	650.637	N/A			\$47,692	\$0.0733	\$0	\$2,958	\$47,236					\$104,497	\$48,407	\$0	\$48,407	
8	Apr-17	Apr-17	Sales	\$625	232.849	\$74.873	\$0.3216		\$21,236	\$0.0912	\$0	\$3,515	\$16,905					\$124,158	\$96,734	\$74.873	\$21,861	
14	Apr-17	Apr-17	Trans	\$715	327.236	N/A			\$29,844	\$0.0912	\$0	\$0	\$23,757					\$54,995	\$30,559	\$0	\$30,559	
35	Apr-17	Apr-17	Trans	\$485	4.898	N/A			\$359	\$0.0733	\$0	\$0	\$356					\$1,200	\$844	\$0	\$844	
36	Apr-17	Apr-17	Trans	\$715	4.815	N/A			\$353	\$0.0733	\$0	\$0	\$350					\$1,418	\$1,068	\$0	\$1,068	
37	Apr-17	Apr-17	Trans	\$715	36.726	N/A			\$2,692	\$0.0733	\$0	\$9	\$2,666					\$6,083	\$3,407	\$0	\$3,407	
38	Apr-17	Apr-17	Sales	\$625	51.791	\$16.653	\$0.3216		\$3,796	\$0.0733	\$0	\$0	\$3,760					\$24,835	\$21,075	\$16.653	\$4,421	
20	Apr-17	Apr-17	Trans	\$715	67.325	N/A			\$4,935	\$0.0733	\$0	\$326	\$4,888					\$10,865	\$5,650	\$0	\$5,650	
36	Apr-17	Apr-17	Trans	\$715	2.943	N/A			\$216	\$0.0733	\$0	\$0	\$0					\$941	\$931	\$0	\$931	
67	Apr-17	Apr-17	Trans	\$485	5.834	N/A			\$428	\$0.0733	\$0	\$0	\$424					\$1,337	\$913	\$0	\$913	
41	May-17	May-17	Trans	\$715	819.347	N/A			\$60,058	\$0.0733	\$0	\$3,719	\$59,485					\$129,893	\$60,773	\$0	\$60,773	
8	May-17	May-17	Sales	\$625	107.067	\$35.390	\$0.3305		\$9,765	\$0.0912	\$0	\$1,656	\$7,773					\$63,890	\$45,780	\$35.390	\$10,390	
14	May-17	May-17	Trans	\$715	228.760	N/A			\$20,863	\$0.0912	\$0	\$0	\$16,608					\$38,955	\$21,578	\$0	\$21,578	
45	May-17	May-17	Trans	\$485	3.458	N/A			\$253	\$0.0733	\$0	\$0	\$251					\$990	\$738	\$0	\$738	
46	May-17	May-17	Trans	\$715	8.675	N/A			\$636	\$0.0733	\$0	\$0	\$630					\$1,982	\$1,351	\$0	\$1,351	
19	May-17	May-17	Trans	\$715	0	N/A			\$0	\$0.0733	\$0	\$1	\$0					\$717	\$715	\$0	\$715	
48	May-17	May-17	Trans	\$715	71.934	\$23.777	\$0.3305		\$5,273	\$0.0733	\$0	\$0	\$5,222					\$34,898	\$29,675	\$23.777	\$5,898	
28	May-17	May-17	Sales	\$625	70.540	N/A			\$5,171	\$0.0733	\$0	\$340	\$5,121					\$11,348	\$5,886	\$0	\$5,886	
36	May-17	May-17	Trans	\$715	169.887	N/A			\$12,453	\$0.0733	\$0	\$0	\$0					\$13,180	\$13,168	\$0	\$13,168	
51	May-17	May-17	Trans	\$715	3.577	N/A			\$262	\$0.0733	\$0	\$0	\$260					\$1,008	\$747	\$0	\$747	
53	Jun-17	Jun-17	Trans	\$485	879.475	N/A			\$64,465	\$0.0733	\$0	\$3,991	\$63,850					\$138,917	\$65,180	\$0	\$65,180	
6	Jun-17	Jun-17	Trans	\$715	0	\$0			\$0	\$0.0912	\$0	\$19	\$0					\$645	\$625	\$0	\$625	
14	Jun-17	Jun-17	Sales	\$625	152.571	N/A			\$13,914	\$0.0912	\$0	\$0	\$11,077					\$25,707	\$14,629	\$0	\$14,629	
55	Jun-17	Jun-17	Trans	\$715	3.689	N/A			\$270	\$0.0733	\$0	\$0	\$268					\$1,024	\$755	\$0	\$755	
16	Jun-17	Jun-17	Trans	\$485	7.929	N/A			\$581	\$0.0733	\$0	\$0	\$576					\$1,873	\$1,296	\$0	\$1,296	
57	Jun-17	Jun-17	Trans	\$715	0	N/A			\$0	\$0.0733	\$0	\$1	\$0					\$717	\$715	\$0	\$715	
19	Jun-17	Jun-17	Trans	\$715	76.893	\$25.416	\$0.3305		\$5,636	\$0.0733	\$0	\$0	\$5,582					\$37,261	\$31,678	\$25.416	\$6,261	
58	Jun-17	Jun-17	Sales	\$625	71.198	N/A			\$5,219	\$0.0733	\$0	\$343	\$5,169					\$11,447	\$5,934	\$0	\$5,934	
60	Jun-17	Jun-17	Trans	\$715	122.877	N/A			\$9,007	\$0.0733	\$0	\$0	\$0					\$9,887	\$9,722	\$0	\$9,722	
67	Jun-17	Jun-17	Trans	\$715	30.703	N/A			\$2,251	\$0.0733	\$0	\$139	\$2,229					\$4,619	\$2,250	\$0	\$2,250	

Attachment DIV 7-33-1
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Actual Non-Firm Margin Revenue by month for calendar year 2017

Line #	Assigned #	Month Charges Apply To	Bill Date mo/yr	Sales or Trans	Customer Charge	Usage (therms)	Commodity charge (per therm)	Commodity (therms)	Distribution charge	Distribution rate	Sales tax	G&T	Energy Efficiency Surcharge	Papertless credit	Other charges	Curialment Distribution	Curialment-Commodity Charge	Total Bill	Revenue subject Margin Sharing	Total Gas Cost (lg-(q))	Total Margin	Comment
(63)	6	Jul-17	Jul-17	Trans	\$485	2,136	N/A		\$157	\$0.0733	\$0	\$0	\$155		\$1,143			\$1,940	\$642	\$0	\$642	
(64)	8	Jul-17	Jul-17	Trans	\$715	1,029,902	N/A		\$75,492	\$0.0733	\$0	\$4,669	\$74,771		\$5,896			\$161,544	\$76,207	\$0	\$76,207	
(65)	14	Jul-17	Jul-17	Sales	\$625	0	\$0.0000		\$0	\$0.0912	\$0	\$19	\$0		\$1			\$645	\$625	\$0	\$625	
(66)	16	Jul-17	Jul-17	Trans	\$715	143,368	N/A		\$13,075	\$0.0912	\$0	\$0	\$10,409		\$322			\$24,521	\$13,790	\$0	\$13,790	
(67)	17	Jul-17	Jul-17	Trans	\$485	3,154	N/A		\$231	\$0.0733	\$0	\$0	\$229		\$1			\$946	\$716	\$0	\$716	
(68)	19	Jul-17	Jul-17	Trans	\$715	7,709	N/A		\$565	\$0.0733	\$0	\$0	\$560		(\$455)			\$1,385	\$1,280	\$0	\$1,280	
(69)	20	Jul-17	Jul-17	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$1	\$0		(\$0.34)			\$717	\$715	\$0	\$715	
(70)	28	Jul-17	Jul-17	Sales	\$625	79,962	\$0.2935		\$5,861	\$0.0733	\$0	\$0	\$5,805		\$4,987			\$40,752	\$29,959	\$23,473	\$6,486	
(71)	36	Jul-17	Jul-17	Trans	\$715	81,944	N/A		\$6,006	\$0.0733	\$0	\$392	\$5,949		\$1			\$13,063	\$6,721	\$0	\$6,721	
(72)	67	Jul-17	Jul-17	Trans	\$715	199,350	N/A		\$14,612	\$0.0733	\$0	\$0	\$0		\$1			\$15,328	\$15,327	\$0	\$15,327	
(73)	68	Jul-17	Jul-17	Trans	\$715	30,284	N/A		\$2,220	\$0.0733	\$0	\$137	\$2,199		\$1			\$4,556	\$2,219	\$0	\$2,219	
(74)	6	Aug-17	Aug-17	Trans	\$485	3	N/A		\$0	\$0.0733	\$0	\$0	\$0		\$1			\$486	\$485	\$0	\$485	
(75)	8	Aug-17	Aug-17	Trans	\$715	928,274	N/A		\$68,042	\$0.0733	\$0	\$4,211	\$67,393		\$5,897			\$146,258	\$68,757	\$0	\$68,757	
(76)	14	Aug-17	Aug-17	Sales	\$625	0	\$0.0000		\$10,924	\$0.0912	\$0	\$19	\$0		\$1			\$645	\$625	\$0	\$625	
(77)	16	Aug-17	Aug-17	Trans	\$715	119,784	N/A		\$8,696	\$0.0912	\$0	\$0	\$8,696		\$307			\$20,643	\$11,639	\$0	\$11,639	
(78)	17	Aug-17	Aug-17	Trans	\$485	11,835	N/A		\$868	\$0.0733	\$0	\$0	\$859		\$1			\$2,213	\$1,353	\$0	\$1,353	
(79)	19	Aug-17	Aug-17	Trans	\$715	20,181	N/A		\$1,479	\$0.0733	\$0	\$0	\$1,465		\$1			\$3,660	\$2,194	\$0	\$2,194	
(80)	20	Aug-17	Aug-17	Trans	\$715	0	N/A		\$0	\$0.0733	\$0	\$1	\$0		(\$0.34)			\$717	\$715	\$0	\$715	
(81)	28	Aug-17	Aug-17	Sales	\$625	95,694	\$0.2931		\$7,014	\$0.0733	\$0	\$0	\$6,947		\$1			\$42,635	\$35,686	\$28,047	\$7,639	
(82)	36	Aug-17	Aug-17	Trans	\$715	63,126	N/A		\$4,627	\$0.0733	\$0	\$307	\$4,583		\$1			\$10,233	\$5,342	\$0	\$5,342	
(83)	67	Aug-17	Aug-17	Trans	\$715	81,161	N/A		\$5,949	\$0.0733	\$0	\$0	\$0		\$1			\$6,665	\$6,664	\$0	\$6,664	
(84)	68	Aug-17	Aug-17	Trans	\$485	51,187	N/A		\$3,752	\$0.0733	\$0	\$231	\$3,716		\$1			\$7,700	\$3,752	\$0	\$3,752	
(85)	6	Sep-17	Sep-17	Trans	\$485	809	N/A		\$59	\$0.0733	\$0	\$0	\$59		\$1			\$604	\$544	\$0	\$544	
(86)	8	Sep-17	Sep-17	Trans	\$715	1,017,206	N/A		\$74,561	\$0.0733	\$0	\$4,612	\$73,849		\$5,199			\$158,936	\$75,276	\$0	\$75,276	
(87)	14	Sep-17	Sep-17	Sales	\$625	373	\$0.2924		\$34	\$0.0912	\$0	\$25	\$27		\$1			\$821	\$768	\$109	\$659	
(88)	16	Sep-17	Sep-17	Trans	\$715	151,032	N/A		\$13,774	\$0.0912	\$0	\$0	\$10,965		\$259			\$25,713	\$14,489	\$0	\$14,489	
(89)	17	Sep-17	Sep-17	Trans	\$485	53,489	N/A		\$3,921	\$0.0733	\$0	\$0	\$3,883		\$1			\$8,290	\$4,406	\$0	\$4,406	
(90)	19	Sep-17	Sep-17	Trans	\$715	38,199	N/A		\$2,800	\$0.0733	\$0	\$0	\$2,773		\$1			\$6,289	\$3,515	\$0	\$3,515	
(91)	20	Sep-17	Sep-17	Trans	\$715	0	N/A		\$0	\$0.0000	\$0	\$1	\$0		\$1			\$717	\$715	\$0	\$715	
(92)	28	Sep-17	Sep-17	Sales	\$625	67,862	\$0.2924		\$4,974	\$0.0733	\$0	\$0	\$4,927		\$1			\$30,371	\$25,443	\$19,844	\$5,599	
(93)	36	Sep-17	Sep-17	Trans	\$715	77,642	N/A		\$5,691	\$0.0733	\$0	\$372	\$5,637		\$1			\$12,416	\$6,406	\$0	\$6,406	
(94)	67	Sep-17	Sep-17	Trans	\$715	214,831	N/A		\$15,747	\$0.0733	\$0	\$0	\$0		\$84			\$16,546	\$16,462	\$0	\$16,462	
(95)	68	Sep-17	Sep-17	Trans	\$485	58,212	N/A		\$4,267	\$0.0733	\$0	\$263	\$4,226		\$1			\$8,756	\$4,267	\$0	\$4,267	
(96)	6	Oct-17	Oct-17	Trans	\$485	3	N/A		\$0	\$0.0733	\$0	\$0	\$0		\$1			\$486	\$485	\$0	\$485	
(97)	8	Oct-17	Oct-17	Trans	\$715	892,530	N/A		\$65,422	\$0.0733	\$0	\$4,050	\$64,798		\$3,056			\$138,041	\$66,137	\$0	\$66,137	
(98)	14	Oct-17	Oct-17	Sales	\$625	82,271	\$0.2824		\$7,503	\$0.0912	\$0	\$1,155	\$5,973		\$1			\$38,489	\$31,361	\$23,232	\$8,128	
(99)	16	Oct-17	Oct-17	Trans	\$715	205,733	N/A		\$18,763	\$0.0912	\$0	\$0	\$14,936		\$322			\$34,736	\$19,478	\$0	\$19,478	
(100)	17	Oct-17	Oct-17	Trans	\$485	78,632	N/A		\$5,764	\$0.0733	\$0	\$0	\$5,709		\$1			\$11,958	\$6,249	\$0	\$6,249	
(101)	19	Oct-17	Oct-17	Trans	\$715	46,309	N/A		\$3,394	\$0.0733	\$0	\$0	\$3,362		\$1			\$7,472	\$4,109	\$0	\$4,109	
(102)	20	Oct-17	Oct-17	Trans	\$715	15,046	N/A		\$1,103	\$0.0733	\$0	\$5	\$1,092		\$1			\$2,915	\$1,818	\$0	\$1,818	
(103)	28	Oct-17	Oct-17	Sales	\$625	90,680	\$0.2824		\$6,647	\$0.0733	\$0	\$364	\$6,583		\$1			\$39,463	\$32,879	\$25,607	\$7,272	
(104)	36	Oct-17	Oct-17	Trans	\$715	75,849	N/A		\$5,560	\$0.0733	\$0	\$0	\$5,507		\$1			\$12,147	\$6,275	\$0	\$6,275	
(105)	67	Oct-17	Oct-17	Trans	\$715	284,386	N/A		\$20,845	\$0.0733	\$0	\$0	\$0		\$208			\$21,768	\$21,560	\$0	\$21,560	
(106)	68	Oct-17	Oct-17	Trans	\$485	49,463	N/A		\$3,626	\$0.0733	\$0	\$223	\$3,591		\$1			\$7,440	\$3,625	\$0	\$3,625	
(107)	6	Nov-17	Nov-17	Trans	\$485	0	N/A		\$0	\$0.0733	\$0	\$0	\$0		\$1			\$486	\$485	\$0	\$485	
(108)	8	Nov-17	Nov-17	Trans	\$715	727,606	N/A		\$53,334	\$0.0733	\$0	\$3,305	\$52,824		\$7,389			\$117,567	\$54,049	\$0	\$54,049	
(109)	14	Nov-17	Nov-17	Sales	\$625	260,750	\$0.3466		\$23,780	\$0.0912	\$0	\$4,135	\$18,930		\$1			\$137,845	\$114,779	\$90,373	\$24,405	
(110)	16	Nov-17	Nov-17	Trans	\$715	370,948	N/A		\$33,830	\$0.0912	\$0	\$0	\$26,931		\$1			\$61,477	\$34,545	\$0	\$34,545	
(111)	17	Nov-17	Nov-17	Trans	\$485	51,498	N/A		\$3,775	\$0.0733	\$0	\$0	\$3,739		\$1			\$7,999	\$4,260	\$0	\$4,260	
(112)	19	Nov-17	Nov-17	Trans	\$715	45,854	N/A		\$3,361	\$0.0733	\$0	\$0	\$3,329		\$1			\$4,076	\$4,076	\$0	\$4,076	
(113)	20	Nov-17	Nov-17	Trans	\$715	54,942	N/A		\$4,027	\$0.0733	\$0	\$14	\$3,989		\$1			\$8,745	\$4,742	\$0	\$4,742	
(114)	28	Nov-17	Nov-17	Sales	\$625	87,904	\$0.3466		\$6,443	\$0.0733	\$0	\$0	\$6,382		\$1			\$45,918	\$37,535	\$30,467	\$7,068	
(115)	36	Nov-17	Nov-17	Trans	\$715	106,493	N/A		\$7,806	\$0.0733	\$0	\$503	\$7,731		\$1			\$16,756	\$8,521	\$0	\$8,521	
(116)	67	Nov-17	Nov-17	Trans	\$715	43,856	N/A		\$3,215	\$0.0733	\$0	\$0	\$3,215		\$1			\$3,930	\$3,930	\$0	\$3,930	
(117)	68	Nov-17	Nov-17	Trans	\$715	64,962	N/A		\$4,762	\$0.0733	\$0	\$293	\$4,716		\$1			\$3,501,044	\$2,275,006	\$968,771	\$1,306,235	

Column (b) to Column (q) per customer billing information
Column (r) = Columns (e) + (g) + (i) + (k) + (m) + (n) + (o) + (p) + (q)
Column (s) = Columns (r) - [(k) + (i) + (m) + (o)]
Column (t) = Columns (g) + (q)
Column (u) = Columns (s) - (t)

	Schedule PP-1(a)-GAS General Ledger Jul 16-Jun 17 Actual Jun 16- May 17 with Manual Accruals/Reversal	Schedule PP-1(a)-GAS Correction 1	Attachment DIV 7-33 (a) General Ledger Jul 16-Jun 17 Actuals Jun 16-May 17 No Accruals	Attachment DIV 7-33 (a) General Ledger Aug 16-Jul 17 Actuals Jul 16-Jun 17 No Accruals
	(a)	(b)	(c)	(d)
(1) Volumes (Therms)			17,131,486	17,480,311
(2) Total Non Firm Revenue	\$3,448,317	\$3,448,317	\$3,512,067	\$3,591,831
(3) Accrual/Reversal	\$14,002	\$14,002		
(4) Less Energy Efficiency Revenue	\$922,550	\$922,550	\$893,861	\$934,167
(5) Less GET Revenue	<u>\$73,733</u>	<u>\$73,733</u>	<u>\$72,770</u>	<u>\$74,459</u>
(6) Sub-Total	\$2,466,036	\$2,466,036	\$2,545,435	\$2,583,206
(7) Less Gas Costs (Non Firm Gas Costs Booked to Gas Costs)	\$1,077,919	\$1,030,032	\$1,030,032	\$1,038,803
(8) Other Adjustments Not included in Base Delivery Revenue			<u>\$93,402</u>	<u>\$96,465</u>
(9) Net Non Firm Base Delivery Revenue (Margin)	\$1,388,117	\$1,436,005	\$1,422,002	\$1,447,937

- (2) Cols (c) & (d) See Attachment DIV 7-33-1, Col (r) for billing month
(3) Company data
(4) Cols (c) & (d) See Attachment DIV 7-33-1, Col (m) for billing month
(5) Cols (c) & (d) See Attachment DIV 7-33-1, Col (l) for billing month
(6) Line (2) + Line (3) - Line (4) - Line (5)
(7) Cols (b) & (d) through (1) See Attachment DIV 7-33-1, Col (t) for billing month
(8) Cols (b) & (d) See Attachment DIV 7-33-1, Cols (o) + (p) + (q) for billing month
(9) Line (6) - Line (7) - Line (8)

Division 7-34

Request:

Re: Schedule PP-5-GAS, Section 1, Schedule A, Sheet 7, Item 12.0, Schedule of Administrative Fees and Charges, Schedules PP-3(a)-Gas, PP-3(b)-Gas and PP-3(c)-Gas. Please:

- a. Provide the workpapers, data, assumptions, analyses, studies and other documents relied upon to support the development of input data used in the determination of:
 1. The Account Restoration Charge of \$96.00;
 2. The "Paperless Billing Credit" for gas service customers of \$0.37 per bill per month;
 3. The Return Check Charge of \$7.00;
 4. The Daily Metered Equipment Fee of \$1,239.00;
 5. The Daily Metered Data Plan Fee of \$17.00;
 6. The AMR Opt-Out Fees
 - i. \$74.00 for Removal of AMR Meter/Installation of Non-AMR Meter,
 - ii. \$13.00 for Monthly Meter Reading Fee, and
 - iii. \$74.00 for Reinstallation of AMR Meter.
 7. The Residential and Non-Residential Credit Card Payment Fees including:
 - i. Explanation and justification for the application of higher fees to Non-Residential Customers comparable size transactions;
 - ii. The basis for the \$600 threshold for application of additional fees to Residential customers;
 - iii. The basis for the \$1,000 threshold for application of additional fees to Non-Residential customers.
- b. Document and explain why the Labor Overhead rate associated with Labor used for Account Restoration is 69.44% and the Labor Overhead rate associated with the installation of an IP Wireless Device is 95.88%.

Response:

- a. Please see the following attachments in support of the information associated with the following:

1. Attachment DIV 7-34-1 for the Account Restoration Charge;
2. Attachment DIV 7-34-2 for the Paperless Billing Credit;
3. Attachment DIV 7-34-3 for Return Check Charge;
4. Attachment DIV 7-34-4 for the Metered Equipment Fee of \$1,285 for the IP Wireless charge (The Company assumes that the question is referring to the \$1,285 Lump Sum Fee Equipment Cost for the IP Wireless Charge); and
5. Attachment DIV 7-34-5 for Annual Fee Data Plan of \$17 for the IP Wireless Charge;

Regarding the information requested in parts 6 and 7, the Company is not proposing any changes to the currently-effective AMR Opt-Out charges or Credit Card Payment Fees.

- b. As indicated in Schedule PP-3(a), Page 1 (Bates Page 63 of Book 15) in the footnote for Lines (2) and (5), Narragansett Gas is adjusting its labor costs for labor-related overhead costs for all such overheads with the exception of pension and postretirement benefits other than pensions of 69.44 percent.¹ In Schedule PP-3(b), Page 1 (Bates Page 66 of Book 15), Line (7) reflects a labor-related overhead percentage of 95.88 percent.² The labor-related overhead percentage of 95.88 percent includes the overhead percentages for pension and postretirement benefits other than pensions. Please see Attachment DIV 7-34-5 for these labor-related overhead percentages, which reflect the percentages in effect during the test year ending June 30, 2017. The Company is excluding an adjustment for pension and postretirement benefits other than pensions in the calculation of the Account Restoration Fee because the activities undertaken associated with restoring a utility account are expensed (not capitalized), and all labor-related overheads would also be expensed. The Company has a pension and postretirement benefits other than pensions reconciling mechanism for Narragansett Gas (as provided for in the Distribution Adjustment Clause of Narragansett Gas's tariff) and Narragansett Electric (Pension Adjustment Mechanism Provision, R.I.P.U.C. No. 2119), both of which provide for the recovery of pension and postretirement benefits other than pensions costs that are expensed. To avoid double-recovery of pension and postretirement benefits other than pensions costs that are expensed, the Company has not included this cost in the calculation of proposed fees that are intended to recover activities that are expensed (as opposed to capitalized). However, the fees that are intended to recover capital costs, such as the IP Wireless Device Fee, do include the adjustment for pension and postretirement benefits other than pensions, as these costs are also capitalized when incurred. The

¹ The Company has made the same adjustment in the calculation of the Account Restoration Fee for Narragansett Electric in Schedule PP-3(a), Page 2 (Bates Page 64 of Book 15).

² The same labor-related overhead percentage is reflected on Page 2 of Schedule PP-3(b) (Bates Page 67 of Book 15) for Narragansett Electric.

Company's pension and postretirement benefits other than pensions reconciling mechanisms do not recover capitalized pension and postretirement benefits other than pensions costs; therefore, the proposed fee should include this cost.

Narragansett Gas
Proposed Fee for Account Restoration

(1) Labor Costs for Meter Off Due to Non Payment	\$19.79
(2) Labor Burdens	\$13.74
(3) Transportation Costs for Meter Off Due to Non Payment	\$4.93
(4) Labor Costs for Meter On Due to Customer Payment	\$29.69
(5) Labor Burdens	\$20.61
(6) Transportation Costs for Meter On Due to Customer Payment	<u>\$7.40</u>
(7) Total Cost of Restoring Service	\$96.16
(8) Proposed Account Restoration Fee	\$96.00
(9) Current Account Restoration Fee	<u>\$25.00</u>
(10) Proposed Increase in Account Restoration Fee	\$71.00
(11) Test Year Count of Account Restoration Fees Billed	<u>3,274</u>
(12) Proposed Incremental Account Restoration Fee Revenue	\$232,454

- (1) 0.6 hours of labor time x average hourly rate of \$32.98
- (2) Line (1) x labor OH %, excluding pension and OPEB, of 69.44%
- (3) 0.6 hours of labor time x average hourly rate of \$8.22
- (4) 0.9 hours of labor time x average hourly rate of \$32.98
- (5) Line (4) x labor OH %, excluding pension and OPEB, of 69.44%
- (6) 0.9 hours of labor time x average hourly rate of \$8.22
- (7) Sum of Lines (1) through (6)
- (8) Line (7), truncated to 0 decimal places
- (9) Per Company Tariff, RIPUC NG-GAS 101, Section 1, Schedule A, Sheet 9
- (10) Line (8) - Line (9)
- (11) Per Company Billing Report
- (12) Line (10) * Line (11)

Narragansett Gas
Account Restoration Fee
Labor Time
7/1/2016 TO 6/30/2017

	<u>Meter On</u>	<u>Meter Off</u>
	(a)	(b)
(1) Travel Time	12	13
(2) Wrench Time	<u>44</u>	<u>22</u>
(3) Total Labor Minutes	56	34
(4) Total Labor Hours	0.9	0.6

(1)(a) Page 2, Line (4), Column (l)
(2)(a) Page 2, Line (4), Column (m)
(3)(a) Line (1)(a) + Line (2)(a)
(4)(a) Line (3)(a) ÷ 60 minutes

(1)(b) Page 2, Line (1), Column (l)
(2)(b) Page 2, Line (1), Column (m)
(3)(b) Line (1)(b) + Line (2)(b)
(4)(b) Line (3)(b) ÷ 60 minutes

Narragansett Gas
Average Travel and Wrench
7/1/16 to 6/30/17

Work Type Id (a)	Work Type Description (b)	# Total Work Order Count (c)	# Count - Work Complete (d)	# Count - Unable To Complete (e)	Travel per Complete job (f)	Wrench per Complete job (g)	Travel per Unable to Complete job (h)	Wrench per Unable to Complete job (i)	Total Travel per Job (j)	Total Wrench per Job (k)	Avg Travel - Complete (l)	Avg Wrench - Complete (m)	Avg Travel - UTC (n)	Avg Wrench - UTC (o)	Avg Travel - ALL (p)	Avg Wrench - ALL (q)	
(1)	2	METER - Off / Locked	6,706	4,235	2,471	53,080	92,529	27,763	38,438	80,843	130,967	13	22	11	16	12	20
(2)	3	METER - On	12,684	9,984	2,700	123,766	432,970	26,015	60,155	149,781	493,125	12	43	10	22	12	39
(3)	4	METER - On (Payment)	6,606	5,379	1,227	62,269	243,069	10,843	21,552	73,112	264,622	12	45	9	18	11	40
(4)				15,363		186,035	676,039				12	44					

(4)(d) Column (d), Line (2) + Line (3)
(4)(f) Column (f), Line (2) + Line (3)
(4)(g) Column (g), Line (2) + Line (3)
(4)(l) Line (4), Column (f) ÷ Line (4), Column (d)
(4)(m) Line (4), Column (g) ÷ Line (4), Column (d)

Narragansett Gas
Fiscal Year 2018 Fleet Budget
Customer Meter Services

Count of Equip #		Vehicle Rate Class	No. of Vehicles <u>Total</u>	Vehicle <u>Blended Rate</u>	Vehicle <u>Cost</u>	<u>Wt Avg Hrly Rate</u>
Veh Company						
		(a)	(b)	(c)	(d)	(e)
(1)	5360G	CUBVAN-LD	3	\$6.29	\$18.87	
(2)		PU-CP-4X4	4	\$3.55	\$14.21	
(3)		PU-HD-4X4	1	\$8.29	\$8.29	
(4)		PU-LD-4X4	5	\$9.32	\$46.58	
(5)		SUV-CP	7	\$7.03	\$49.18	
(6)		SUV-CP-4X4	23	\$9.05	\$208.07	
(7)		UT-LD-COMP	4	\$14.60	\$58.39	
(8)		UT-MD	6	\$19.22	\$115.29	
(9)		VAN-HD	109	\$7.15	\$779.12	
(10)		VAN-LD	73	\$8.63	\$630.18	
(11)		WLKVAN-MD	<u>1</u>	\$12.25	<u>\$12.25</u>	
(12)	5360G Total	Grand Total	236		\$1,940.45	\$8.22

- (a) Types of vehicles supporting Customer Meter Services
- (b) Inventory of vehicles supporting Customer Meter Services from Fleet Inventory
- (c) Average rate per hour for each type of vehicle from Fleet's FY 2018 budget
- (d) Column (b) x Column (c)
- (e) Line (12), Column (d) ÷ Line (12), Column (b)

Narragansett Gas
Payroll as of 1/18/17

	<u>Worker Type</u>	<u>Sum of Average Salary</u>
	(a)	(b)
(1)	CMS Clerk	\$64,314
(2)	Field Collector	\$73,902
(3)	Meter Service Representative	\$47,781
(4)	Meter Service Technician	\$70,908
(5)	Work Readiness Technician	\$36,213
(6)	Working Leader	\$94,078
(7)	Total Average	\$67,262
(8)	Average Hourly Rate	\$32.98

- (a) Employee Type (Gas)
(b) Sum of Average Salary

The Narragansett Electric Company
Proposed Credit for Paperless Billing

(1)	Proposed Paperless Bill Credit	(\$0.37)
(2)	Current Paperless Bill Credits	<u>(\$0.34)</u>
(3)	Change in Credit	(\$0.03)
(4)	Test Year Volume of Electronic Bills	<u>716,457</u>
(5)	Adjustment to Revenue Requirement for Implementing Paperless Bill Credit	(\$21,494)

- (1) Page 2, Line (17)
- (2) Per Current Tariff, RIPUC NG-GAS 101B, Section 7, Schedule C, Sheet 5
- (3) Line (1) - Line (2)
- (4) Per Company Billing Report
- (5) Line (3) x Line (4)

RI Gas & Electric
Paper Billing and Electronic Billing Costs for Historic Test Year ending 06/30/2017

	Jul-2016	Aug-2016	Sep-2016	Oct-2016	Nov-2016	Dec-2016	Jan-2017	Jan-2017	Mar-2017	Apr-2017	May-2017	Jun-2017	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Paper Bill Costs:</u>													
(1) Paper	\$8,099	\$8,184	\$8,229	\$8,192	\$8,175	\$8,246	\$8,049	\$8,419	\$8,388	\$8,459	\$9,147	\$10,966	\$102,552
(2) Envelopes	\$12,639	\$12,763	\$12,830	\$12,616	\$12,392	\$12,412	\$12,087	\$12,680	\$12,601	\$12,723	\$12,217	\$12,481	\$150,442
(3) Postage	\$230,109	\$237,506	\$233,089	\$229,867	\$230,845	\$225,876	\$229,542	\$230,061	\$228,359	\$230,532	\$221,564	\$227,048	\$2,754,397
(4) Print	\$17,123	\$17,302	\$17,397	\$17,320	\$17,283	\$17,433	\$17,017	\$17,798	\$17,733	\$17,883	\$19,339	\$23,183	\$216,813
(5) Insert	\$8,865	\$8,952	\$8,999	\$8,849	\$8,692	\$8,706	\$8,478	\$8,893	\$8,838	\$8,923	\$8,569	\$8,754	\$105,518
(6) Other*	\$1,398	\$2,122	\$1,743	\$7,280	\$2,092	\$1,609	\$1,288	\$2,184	\$2,309	\$1,962	\$2,385	\$2,351	\$28,723
(7) Total Paper Bill Costs	\$278,234	\$286,829	\$282,286	\$284,125	\$279,478	\$274,283	\$276,460	\$280,035	\$278,228	\$280,482	\$273,221	\$284,784	\$3,358,445
(8) Paper Bill Volume	603,061	608,990	612,144	601,975	591,262	592,235	576,724	604,985	601,252	607,036	582,909	595,528	7,178,101
(9) Total Cost per Paper Bill													\$0.47
<u>Electronic Bill Costs</u>													
(10) Web Costs	\$3,764	\$3,805	\$3,851	\$3,907	\$3,956	\$3,989	\$4,048	\$4,082	\$4,131	\$4,167	\$4,155	\$4,163	\$48,019
(11) FISERV Costs	\$3,441	\$3,464	\$3,307	\$3,201	\$3,134	\$3,505	\$3,197	\$3,123	\$3,468	\$3,138	\$3,273	\$3,480	\$39,732
(12) Striata Costs	\$8,097	\$13,039	\$8,103	\$7,733	\$7,422	\$8,252	\$9,071	\$7,637	\$8,171	\$8,797	\$8,086	\$14,452	\$108,859
(13) DOXO Costs**	\$1,316	\$1,184	\$1,122	\$1,108	\$1,015	\$1,204	\$846	\$791	\$1,015	\$818	\$844	\$892	\$12,153
(14) Total Electronic Billing Costs	\$16,618	\$21,493	\$16,383	\$15,948	\$15,526	\$16,950	\$17,162	\$15,633	\$16,785	\$16,920	\$16,357	\$22,988	\$208,762
(15) Electronic Bill Volumes	171,096	172,953	175,059	177,593	179,804	181,306	183,997	185,550	187,779	189,427	188,874	189,243	2,182,681
(16) Total Cost per Electronic Bill													\$0.10
(17) Per Bill Reduction in Cost Electronic Bill vs. Paper Bill													\$0.37

*Other Costs include: Presort Fees (Bills only), Reports, SHU(Manual processing), tax and Tier 2 Volume Pricing Credit

**Cost includes a 12 month estimate.

- (1) - (6) Costs of producing a paper bill
- (7) Sum of Lines (1) through (6)
- (8) Monthly paper bill volume
- (9) Line (7) ÷ Line (8)
- (10) Fees paid for anything pertaining to the on-line access to customer bills.
- (11) Represents the payment to FISERV to facilitate electronic payment
- (12) Represents the payment to Striata to facilitate electronic payment
- (13) Represents estimated payment to DOXO to facilitate electronic payment
- (14) Sum of Lines (10) through (13)
- (15) Monthly Electronic Bill Volumes
- (16) Line (14) ÷ Line (15)
- (17) Line (9) - Line (16)

Paper vs. Paperless

All CNS Companies

Line No.	Jul-2016	Aug-2016	Oct-2016	Oct-2016	Dec-2016	Jan-2017	Feb-2017	Mar-2017	Apr-2017	May-2017	Jun-2017	TY Average
Paper Bill Costs:												
(1) Paper	\$8,099	\$8,184	\$8,229	\$8,192	\$8,175	\$8,049	\$8,419	\$8,388	\$8,459	\$9,147	\$10,966	\$8,546
(2) Envelopes	\$12,639	\$12,763	\$12,830	\$12,616	\$12,763	\$12,687	\$12,680	\$12,601	\$12,723	\$12,217	\$12,481	\$12,537
(3) Postage	\$230,109	\$237,506	\$233,089	\$229,867	\$230,845	\$229,542	\$230,061	\$228,359	\$230,532	\$221,564	\$227,048	\$229,533
(4) Print	\$17,123	\$17,302	\$17,397	\$17,320	\$17,283	\$17,017	\$17,798	\$17,733	\$17,883	\$19,339	\$23,183	\$18,068
(5) Insert	\$8,865	\$8,952	\$8,999	\$8,849	\$8,692	\$8,478	\$8,893	\$8,838	\$8,923	\$8,569	\$8,754	\$8,793
(6) Other*	\$1,398	\$2,122	\$1,743	\$7,280	\$2,092	\$1,288	\$2,184	\$2,309	\$1,902	\$2,385	\$2,351	\$2,394
(7) Total Paper Bill Costs	\$278,234	\$286,829	\$282,286	\$284,125	\$279,478	\$274,263	\$276,460	\$278,228	\$280,482	\$273,221	\$284,784	\$279,870
Electronic Bill Costs:												
(8) e-Bill Accounts Enrolled NG												
(9) e-Bill Accounts Billed by FISERV	104,413	105,337	99,721	95,864	93,277	95,000	92,594	103,771	92,882	97,828	105,078	
(10) e-Bill Accounts Billed by Transactional Email (Striata)	807,431	820,710	829,998	841,026	849,368	860,527	873,315	891,781	900,803	902,819	907,563	
(11) e-Bill Accounts Billed by DOXO	22,532	20,561	20,525	20,490	20,518	15,887	15,836	15,769	15,656	15,606	15,811	
(12) Total e-Bill Accounts	934,376	946,608	950,244	957,380	963,163	982,022	984,202	1,011,321	1,009,341	1,016,253	1,028,452	
(13) FISERV surcharge	\$18,794.34	\$18,960.66	\$17,949.78	\$17,255.52	\$16,789.86	\$18,985.50	\$17,100.00	\$18,678.78	\$16,718.76	\$17,609.04	\$18,914.04	
(14) Average FISERV cost/bill	\$0.02011	\$0.02003	\$0.01889	\$0.01802	\$0.01743	\$0.01933	\$0.01737	\$0.01683	\$0.01656	\$0.01733	\$0.01839	
(15) Transactional Email (Striata) surcharge	\$44,218.74	\$71,364.99	\$43,984.47	\$41,686.60	\$39,755.47	\$44,693.64	\$48,520.16	\$44,004.79	\$46,876.19	\$43,506.49	\$78,540.44	
(16) Average Transactional Email cost/bill	\$0.04732	\$0.07539	\$0.04629	\$0.04354	\$0.04128	\$0.04551	\$0.04930	\$0.04116	\$0.04644	\$0.04281	\$0.07637	
(17) DOXO Transaction Change (monthly)	\$7,184.17	\$6,482.08	\$6,087.68	\$5,971.68	\$5,435.76	\$6,321.81	\$4,524.87	\$5,464.47	\$4,388.12	\$4,539.66	\$4,846.48	
(18) Doxo Connect Fee (new customers)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(19) Average DOXO cost/bill	\$0.00769	\$0.00685	\$0.00641	\$0.00624	\$0.00564	\$0.00664	\$0.00460	\$0.00540	\$0.00432	\$0.00447	\$0.00471	
(20) Data Transfer Charge for total	\$2,262.47	\$2,196.04	\$2,251.16	\$2,246.31	\$2,270.75	\$2,227.20	\$2,252.43	\$2,240.56	\$2,306.09	\$2,233.36	\$2,245.45	
(21) Total Archived Volume	4,533,117	4,442,814	4,511,589	4,459,929	4,525,133	4,415,286	4,510,031	4,529,641	4,468,859	4,487,480	4,576,985	
Archival												
(22) Web Costs	\$0.02200	\$0.02200	\$0.02200	\$0.02200	\$0.02200	\$0.02200	\$0.02200	\$0.02200	\$0.02200	\$0.02200	\$0.02200	\$0.02200
(23) Data Transfer												
(24) FISERV Costs	\$0.02011	\$0.02003	\$0.01889	\$0.01802	\$0.01743	\$0.01933	\$0.01737	\$0.01683	\$0.01656	\$0.01733	\$0.01839	\$0.01823
(25) Striata Costs	\$0.04732	\$0.07539	\$0.04629	\$0.04354	\$0.04128	\$0.04551	\$0.04930	\$0.04116	\$0.04644	\$0.04281	\$0.07637	\$0.04991
(26) DOXO Costs	\$0.00769	\$0.00685	\$0.00641	\$0.00624	\$0.00564	\$0.00664	\$0.00460	\$0.00540	\$0.00432	\$0.00447	\$0.00471	\$0.00560
Total Electronic Costs	\$0.09713	\$0.12427	\$0.09258	\$0.08980	\$0.08635	\$0.09349	\$0.09327	\$0.08925	\$0.08932	\$0.08661	\$0.12147	\$0.09574
(27) Paperless Savings	\$278,233.57	\$286,828.81	\$282,285.94	\$284,124.66	\$279,478.39	\$274,282.87	\$276,460.09	\$280,034.57	\$280,482.18	\$273,220.88	\$284,783.59	\$279,870.32

Archival: the fees paid to Pinney Bowes Software Inc. (PBSI) to house historical customer bills electronically

Web Costs: the fees paid for anything pertaining to the on-line access to customer bills

Data Transfer - the allocation of costs pertaining to the SMez line we have for transferring billing and archival data from HCB Data Center to Pinney Bowes Management Services (PBMS) and PBSI (Windsor CT and on to Danbury CT)

*Other Costs include:
Presort Fees (Bills only)
Reports
SHU (Manual processing)
Data Transfer
Tax
Tier 2 Volume Pricing Credit

Line No.		<u>Jul-2016</u>	<u>Aug-2016</u>	<u>Sep-2016</u>	<u>Oct-2016</u>	<u>Nov-2016</u>	<u>Dec-2016</u>	<u>Jan-2017</u>	<u>Mar-2017</u>	<u>Apr-2017</u>	<u>May-2017</u>	<u>Jun-2017</u>	<u>TY Average</u>
	Rhode Island												
(1)	Bill Volume	603,061	608,990	612,144	601,975	591,262	592,235	576,724	604,985	607,036	582,909	595,528	598,175
(2)	Paper (Forms)	\$8,099.41	\$8,183.84	\$8,228.80	\$8,192.17	\$8,174.79	\$8,246.01	\$8,048.92	\$8,418.63	\$8,488.74	\$9,147.50	\$10,965.76	\$8,546.03
(3)	Envelopes	\$12,639.19	\$12,763.46	\$12,829.56	\$12,616.43	\$12,391.91	\$12,412.30	\$12,087.21	\$12,679.52	\$12,722.50	\$12,216.84	\$12,481.31	\$12,536.79
(4)	Postage	\$230,108.70	\$237,505.56	\$233,089.35	\$229,867.31	\$230,845.11	\$225,876.29	\$229,541.73	\$230,060.95	\$230,532.03	\$221,563.57	\$227,047.71	\$229,533.10
(5)	Print Costs	\$17,123.48	\$17,301.98	\$17,397.03	\$17,319.59	\$17,282.84	\$17,433.43	\$17,016.75	\$17,798.38	\$17,883.17	\$19,339.32	\$23,183.43	\$18,067.72
(6)	Insert Costs	\$8,865.00	\$8,952.15	\$8,998.52	\$8,849.03	\$8,691.55	\$8,705.85	\$8,477.84	\$8,893.28	\$8,923.43	\$8,568.76	\$8,754.26	\$8,793.17
(7)	Other*	\$1,397.89	\$2,121.94	\$1,742.79	\$7,280.21	\$2,092.28	\$1,609.07	\$1,287.72	\$2,183.90	\$1,962.40	\$2,384.98	\$2,351.24	\$2,393.60
(8)	Total Cost for Rhode Island for the Month:	\$278,233.66	\$286,828.93	\$282,286.04	\$284,124.75	\$279,478.48	\$274,382.96	\$276,460.18	\$280,034.66	\$280,482.27	\$273,220.97	\$284,783.71	\$279,870.42
(9)	Total Cost/bill for Rhode Island for the Month:	\$ 0.46137	\$ 0.47099	\$ 0.46114	\$ 0.47199	\$ 0.47268	\$ 0.46313	\$ 0.47936	\$ 0.46288	\$ 0.46205	\$ 0.46872	\$ 0.47820	\$ 0.46787

Line No.	CS	July-16	August-16	September-16	October-16	November-16	December-16	January-17	February-17	March-17	April-17	May-17	June-17
New England													
(1)	Total Bills	1,671,885	1,640,011	1,661,968	1,609,972	1,642,667	1,603,881	1,605,275	1,629,907	1,620,616	1,639,034	1,584,880	1,632,757
(2)	Total Letters	311,266	301,173	306,161	303,219	244,650	247,026	264,892	276,253	246,058	303,237	314,213	296,036
(3)	Total Volume	1,983,151	1,941,184	1,968,129	1,913,191	1,887,317	1,850,907	1,870,174	1,906,160	1,866,674	1,942,771	1,899,593	1,928,793
(4)	All Postage	\$757,791.98	\$753,745.47	\$752,796.31	\$749,336.67	\$724,548.70	\$700,415.85	\$723,776.89	\$733,768.91	\$711,496.46	\$744,723.43	\$725,927.01	\$736,590.48
(5)	Bill Only Postage	\$636,378.67	\$636,139.35	\$633,636.96	\$632,120.64	\$628,925.26	\$611,284.66	\$620,211.73	\$624,926.67	\$614,638.05	\$624,556.04	\$601,386.69	\$620,448.93
(6)	Postage Pay-up	\$7340.38	\$9,115.30	\$8,210.52	\$20,116.12	\$8,168.62	\$6,809.16	\$6,169.37	\$8,786.50	\$8,804.83	\$8,819.27	\$10,302.43	\$9,871.41
(7)	Total Presort Charges	431,787	536,094	482,972	1,183,301	480,507	400,539	362,804	516,853	517,931	519,957	600,143	580,671
(8)	Total Presort Volume (Bills Only)	120,521	235,021	176,811	880,082	235,857	135,313	98,005	240,600	271,873	216,220	285,430	284,635
Total Reports - Cost													
(9)	Total SHU	\$674.36	\$660.56	\$637.79	\$773.26	\$639.86	\$658.49	\$771.65	\$644.69	\$498.41	\$460.46	\$505.54	\$410.55
(10)	Total Tax	\$480.33	\$410.21	\$426.05	\$535.41	\$442.04	\$463.23	\$462.38	\$467.21	\$459.29	\$472.38	\$480.58	\$525.13
(11)	Misc Charges and Credits	\$847.07	\$805.84	\$844.58	\$816.70	\$846.23	\$795.38	\$825.19	\$841.92	\$808.75	\$835.54	\$802.87	\$816.07
Data Transfer Cost													
Rhode Island													
(12)	Volume	603,061	608,990	612,144	601,975	591,262	592,235	576,724	604,985	601,252	607,036	582,909	595,528
(13)	Paper (Forms) Count	856,174	865,099	869,851	865,980	864,142	871,671	850,838	889,919	886,662	894,158	966,966	1,159,171
(14)	Paper (Forms) Cost	\$8,099.41	\$8,183.84	\$8,228.80	\$8,192.17	\$8,174.79	\$8,246.01	\$8,088.92	\$8,418.63	\$8,387.82	\$8,458.74	\$9,147.50	\$10,965.76
(15)	OME (Envelopes) Count	621,153	627,260	630,508	620,034	609,000	610,002	594,026	623,135	619,290	625,247	600,396	613,394
(16)	OME (Envelopes) Cost	\$7,627.76	\$7,702.75	\$7,742.64	\$7,614.02	\$7,478.52	\$7,490.83	\$7,294.64	\$7,652.09	\$7,604.88	\$7,678.03	\$7,372.87	\$7,532.48
(17)	BRE (Envelopes) Count	603,061	608,990	612,144	601,975	591,262	592,235	576,724	604,985	601,252	607,036	582,909	595,528
(18)	BRE (Envelopes) Cost	\$5,011.44	\$5,060.71	\$5,086.92	\$5,002.41	\$4,913.39	\$4,921.47	\$4,792.58	\$5,027.43	\$4,996.40	\$5,044.47	\$4,843.97	\$4,948.84
(19)	Postage	\$230,108.70	\$227,505.56	\$233,089.35	\$229,867.31	\$230,845.11	\$225,876.29	\$229,541.73	\$230,060.95	\$228,358.90	\$230,532.03	\$221,863.57	\$227,047.71
(20)	Postage Pay-up	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(21)	Print Costs	\$17,123.48	\$17,301.98	\$17,397.03	\$17,319.59	\$17,282.84	\$17,433.43	\$17,016.75	\$17,798.38	\$17,733.24	\$17,883.17	\$19,339.32	\$23,183.43
(22)	Insert Costs	\$8,865.00	\$8,952.15	\$8,998.52	\$8,849.03	\$8,691.55	\$8,705.85	\$8,477.84	\$8,893.28	\$8,838.40	\$8,923.43	\$8,568.76	\$8,754.26
Other Costs:													
(23)	Presort Fees (Bills only)	\$739.04	\$1,483.61	\$1,107.11	\$5,594.13	\$1,443.21	\$963.64	\$598.57	\$1,518.19	\$1,714.71	\$1,361.35	\$1,784.65	\$1,764.89
(24)	Reports	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(25)	SHU	\$205.07	\$207.23	\$198.37	\$243.30	\$200.46	\$210.70	\$237.96	\$204.61	\$160.54	\$143.87	\$155.13	\$126.76
(26)	Data Transfer	\$307.72	\$302.41	\$304.80	\$305.21	\$310.14	\$286.52	\$308.60	\$312.81	\$285.56	\$309.50	\$297.73	\$297.45
(27)	Tax	\$146.07	\$128.69	\$132.51	\$168.46	\$138.48	\$148.22	\$142.59	\$148.28	\$147.94	\$147.66	\$147.47	\$162.14
(28)	Tier 2 Volume Pricing Credit	\$0.00	\$0.00	\$0.00	\$969.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(29)	Total Cost for Rhode Island for the Month:	\$278,233.66	\$286,828.93	\$282,286.04	\$283,155.64	\$279,478.48	\$274,282.96	\$276,460.18	\$280,034.66	\$278,228.39	\$280,482.27	\$273,220.97	\$284,783.71
(30)	Total Cost/bill for Rhode Island for the Month:	\$ 0.46137	\$ 0.47099	\$ 0.46114	\$ 0.47038	\$ 0.47268	\$ 0.46313	\$ 0.47936	\$ 0.46388	\$ 0.46275	\$ 0.46205	\$ 0.46872	\$ 0.47820

Narragansett Gas
Proposed Fee for Returned Checks

Test Year External Costs

<u>Service Description</u>	<u>Service Charges</u>	<u>Reference</u>
<u>JPCM Charges</u>		
(1) Return Item	\$17,504	
(2) Return Multiple Locations	\$1,445	
(3) Return Image	\$4,504	
(4) Return Detail Reporting	\$1,351	
(5) Return Item Redeposit	\$9,264	
(6) ARC Zero Admin Return Process	\$6,000	
(7) Return Item Redeposit	\$25,809	
(8) eLockbox Return - Electronic	\$203	
(9) Return Notification - Online	\$218	
(10) Return Notification - Transmission	<u>\$23,793</u>	
(11) Total	\$90,091	Total JPCM Charges per Invoices
<u>TransCentra Charges</u>		
(12) Return Corr. Various Types	\$1,192	Per TransCentra Invoices
(13) Data Capture - Return / NSF Item	<u>\$832</u>	Per TransCentra Invoices
(14) Total	\$2,024	Total TransCentra Costs
(15) Total External Costs	\$92,115	Line (11) + Line (14)

Test Year Internal Costs

<u>Internal Labor</u>	<u>Wages</u>	
(16) Base Labor	<u>\$6,948</u>	Per Company Estimate
(17) Labor Overheads	<u>\$4,896</u>	Per Company Estimate
(18) Total	\$11,844	Line (16) + Line (17)

Proposed Returned Check Fee

(19) Total External Costs	\$92,115	Line (15)
(20) Total Internal Costs	<u>\$11,844</u>	Line (18)
(21) Total Costs	\$103,958	Line (19) + Line (20)
(22) Test Year Returned Items	<u>13,072</u>	Per General Ledger
(23) Proposed Returned Check Fee	\$7.00	Line (21) ÷ Line (22), truncated to 0 decimal places

Incremental Revenue

(24) Proposed Returned Check Fee	\$7.00	Line (23)
(25) Current Returned Check Fee	<u>\$15.00</u>	R.I.P.U.C. 2130
(26) Proposed Decrease in Returned Check Fee	(\$8.00)	Line (24) - Line(25)
(27) Test Year Returned Items- Gas	4,248	Per General Ledger
(28) Decrease in Returned Check Fee Revenue - Gas	(\$33,984)	Line (26) x Line (27)

Line No.	Service Code	Service Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Test Year Total
			Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee	Narragansett - Fee
(1)	1435	Return Item	\$8.00	\$1,512.00	\$1,352.00	\$1,312.00	\$1,960.00	\$1,960.00	\$2,104.00	\$2,040.00	\$992.00	\$1,024.00	\$1,008.00	\$928.00	\$17,504.00
(2)	1437	Return Multiple Locations	\$0.60	\$113.40	\$101.40	\$98.40	\$147.00	\$147.00	\$157.80	\$153.00	\$206.67	\$176.80	\$25.60	\$69.60	\$1,445.07
(3)	1446	Return Image	\$1.00	\$381.00	\$345.00	\$318.00	\$469.00	\$469.00	\$529.00	\$490.00	\$271.00	\$294.00	\$267.00	\$261.00	\$4,504.00
(4)	1448	Return Detail Reporting	\$0.30	\$114.30	\$103.50	\$110.40	\$95.40	\$140.70	\$153.30	\$147.00	\$81.30	\$88.20	\$80.10	\$78.30	\$1,351.20
(5)	1450	Return Item Redeposit	\$4.00	\$768.00	\$704.00	\$616.00	\$896.00	\$896.00	\$1,064.00	\$940.00	\$588.00	\$664.00	\$564.00	\$580.00	\$9,264.00
(6)	2261	ARCZero Admin Return Process	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$6,000.00
(7)	2740	Return Item Redeposit	\$3.50	\$2,124.50	\$1,729.00	\$1,711.50	\$2,075.50	\$2,397.50	\$2,121.00	\$2,373.00	\$2,660.00	\$2,548.00	\$2,149.00	\$2,075.50	\$25,809.00
(8)	2751	eLockbox Return - Electronic	\$2.50	\$30.00	\$5.00	\$17.50	\$12.50	\$42.50	\$-	\$12.50	\$20.00	\$25.00	\$15.00	\$10.00	\$202.50
(9)	2729	Return Notification - Online	\$2.25	\$-	\$-	\$-	\$-	\$-	\$-	\$20.25	\$49.50	\$63.00	\$40.50	\$45.00	\$218.25
(10)	2818	Return Notification - Transmission	\$1.75	\$1,779.75	\$1,932.00	\$1,949.50	\$2,019.50	\$2,171.75	\$1,683.50	\$2,205.00	\$2,273.25	\$2,304.75	\$1,907.50	\$1,967.00	\$23,793.00
(11)	05021M	Return Corr. Various Types	\$0.31	\$105.37	\$110.31	\$111.24	\$196.41	\$98.57	\$80.03	\$78.18	\$78.49	\$78.80	\$81.27	\$72.62	\$1,191.72
(12)	050228	Data Capture - Return / NSF Item	\$0.77	\$92.70	\$83.43	\$73.39	\$64.12	\$85.75	\$71.07	\$65.66	\$56.39	\$34.76	\$51.76	\$65.66	\$831.98
(13)	N/A	Return Day 1 & Return Day 2	\$-	\$579.00	\$579.00	\$579.00	\$579.00	\$579.00	\$579.00	\$579.00	\$579.00	\$579.00	\$579.00	\$579.00	\$6,948.00
(14)		Total Costs	\$8,100.02	\$7,544.64	\$7,646.93	\$7,139.85	\$9,081.36	\$9,695.69	\$9,042.69	\$9,625.22	\$8,355.60	\$8,280.31	\$7,318.73	\$7,231.68	\$92,114.72
(15)		Total Returns	1,961	1,560	1,552	1,377	1,700	1,832	1,548	1,891	1,779	1,820	1,492	1,476	19,988
(16)		Cost Per Return	\$4.13	\$4.84	\$4.93	\$5.19	\$5.34	\$5.29	\$5.84	\$5.09	\$4.70	\$4.55	\$4.91	\$4.90	\$4.61
(17)		Average Return Cost Narragansett Electric & Gas	\$4.97												
(18)		Total return checks Narragansett	19,988												

JPMC Return Costs
TransCentra Return Costs
Labor Overhead

Narragansett Gas
Proposed Fee for IP Wireless Device
Carrying Charge

		(a)	(b)
(1)	<u>Plant Investment</u>		
	Incremental Cost of Meter Equipped with a Wireless Module		\$1,035
	Labor Cost		
(2)	Average Travel Time	Average Estimate	1.0
(3)	Average Time to Install	Average Estimate	<u>2.0</u>
(4)	Total Time	Line (2) + Line (3)	3.0
(5)	Hourly Rate		<u>\$42.60</u>
(6)	Base Labor	Line (4) x Line (5)	\$127.80
(7)	Labor Overheads	Test Year Average	<u>95.88%</u>
(8)	Labor Costs	Line (6) x [1 + Line (7)]	<u>\$250</u>
(9)	Lump Sum Fee, Equipment Cost	Line (1) + Line (8)	\$1,285
(10)	Annual Fee, Data Plan	Line (16)	\$17
(11)	<u>Monthly Weighted Cost of Data Plan</u>		<u>Weighting</u>
(12)	Monthly Cost, Low End	\$0.83	85%
(13)	Monthly Cost, High End	\$5.00	15%
(14)	Weighted Average Monthly Cost	\$1.46	
(15)	x 12	<u>12</u>	
(16)	Annual Cost	\$17	
(2)	Page 2 Line (4)		
(3)	Page 2 Line (5)		
(4)	Line (2) + Line (3)		
(5)	See Response to DIV 7-37		
(6)	Line (4) x Line (5)		
(7)	Test Year Average		
(8)	Line (6) x [1 + Line (7)]		
(9)	Line (1) + Line (8)		
(10)	Line (16)		
(12)	See Response to DIV 7-37		
(13)	See Response to DIV 7-37		
(14)	Line 12 Col (a) x Line (12) Col (b) + Line 13 Col (a) x Line (13) Col (b)		
(16)	Line (14) x Line (15)		

(1)	Honeywell Wireless Module (CNI4)	\$1,000
(2)	Incremental Cost - Installation Parts	<u>\$35</u>
(3)	Incremental Cost of Meter Eqpt. W/ wireless Modem -	\$1,035
(4)	Average Travel Time	1.0
(5)	Average Time to Install	2.0
(6)	Hourly Rate	\$42.60

The Narragansett Electric Company Labor Burden Rates

	Jul-2016	Aug-2016	Sep-2016	Oct-2016	Nov-2016	Dec-2016	Jan-2017	Feb-2017	Mar-2017	Apr-2017	May-2017	Jun-2017	12 Month Average
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
(1) Payroll Taxes													
(2) Federal Income Contribution Act	9.00%	9.00%	9.00%	10.00%	10.00%	10.00%	8.00%	8.00%	11.00%	9.25%	9.25%	9.25%	9.31%
(3) Federal Unemployment	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%
(4) State Unemployment	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%
(5) Group Insurance	1.75%	1.75%	1.75%	2.25%	2.25%	2.25%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.75%
(6) Health Care	17.00%	17.00%	17.00%	16.25%	16.25%	16.25%	17.25%	17.25%	17.25%	16.00%	16.00%	16.00%	16.63%
(7) Pensions	19.75%	19.75%	19.75%	21.25%	21.25%	21.25%	21.25%	21.25%	21.25%	13.25%	13.25%	14.25%	18.96%
(8) FAS106 Post-Retirement Health Ins	9.00%	9.00%	9.00%	8.00%	8.00%	8.00%	7.75%	7.75%	7.75%	6.25%	6.25%	3.00%	7.48%
(9) FAS112 Post-Employment	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.25%	0.25%	-11.00%	-1.00%	-1.00%	0.25%	-1.02%
(10) Thrift	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	4.50%	4.50%	4.50%	4.75%	4.75%	4.75%	4.81%
(11) Injuries & Damages	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.25%	1.25%	0.00%	1.75%	1.75%	1.75%	1.52%
(12) Total - Benefits, Insurances, & Taxes	34.50%	34.50%	34.50%	35.25%	35.25%	35.25%	32.75%	32.75%	23.25%	32.25%	32.25%	33.50%	59.44%
(13) Bonus Accruals	18.50%	18.50%	18.50%	18.50%	18.50%	18.50%	19.00%	19.00%	19.00%	15.50%	15.50%	15.50%	17.88%
(14) Time Not Worked	19.00%	19.00%	19.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	19.25%	19.25%	19.25%	18.56%
(15) Total Labor-Related Overheads for Capital													95.88%
(16) Total Labor-Related Overheads for O&M													69.44%

(12) Sum of Lines (1) through (11)
(15) Line (12) + Line (13) + Line (14)
(16) Line (15) - Line (7) - Line (8)

Division 7-35

Request:

Re: Workpaper Schedule PP-1(a)-Gas. Please:

- a. Provide the electronic spreadsheet files used to generate the referenced workpapers.
- b. Provide a proof of revenue for each gas rate class (including the Company's Non-Firm Service rate classifications) for the Rate Year:
 1. At present rates
 2. At the Company's proposed rates.

Response:

- a. The Excel file underlying Workpaper PP-1(a)-GAS was submitted with Narragansett Gas' November 27, 2017 initial filing with the Public Utilities Commission in this docket.
- b. For Firm customers, the proof of revenue based on Rate Year billing units priced out at current base distribution rates is presented in Workpaper PP-1(a)-GAS, Pages 23-33 (Bates Pages 123-133 of Book 15) and Schedule PMN-7, Pages 1 and 2 (Bates Pages 2 and 3 of Book 14). The proof of revenue based on Rate Year billing units priced out proposed base distribution rates is presented in Schedule PMN-7, Page 4 (Bates Page 5 of Book 14). For Non-Firm customers, please see Attachment DIV 7-35 for the revenue proof at the present and proposed rates.¹

¹ The incremental non-firm increase of \$210,018 calculated in Attachment DIV 7-35 differs slightly from the increase of \$210,053 shown in Schedule PMN-7, Page 5, Line 12, Column (T) (Bates Page 6 of Book 14) because Schedule PMN-7 reflects a proposed customer charge of \$735.29 (which is not seen on this page because of the formatting of the customer charge) and not the proposed customer charge of \$735.00.

Section 1: Non-Firm Base Distribution Revenue

Attachment DIV 7-33-2
General Ledger Aug 16-Jul 17*
Actuals Jul 16-Jun 17
No Accruals

(1)	Volumes (Therms)	17,480,311
(2)	Total Non Firm Revenue	\$3,591,831
(3)	Accrual/Reversal	n/a
(4)	Less Energy Efficiency Revenue	\$934,167
(5)	Less GET Revenue	\$74,459
(6)	Sub-Total	\$2,583,205
(7)	Less Gas Costs (Non Firm Gas Costs Booked to Gas Costs)	\$1,038,803
(8)	Other Adjustments Not included in Base Delivery Revenue	\$96,465
(9)	Net Non Firm Base Distribution Revenue (Margin)	\$1,447,937

Reference

Section 2: Non-Firm Proof

Billing Determinants

(10)	Xlarge Low Load Factor Non Firm	
(11)	Customer	Schedule PMN-7, Pg 5, Ln 10, Col (P) ÷ 12
(12)	Volume Therms	Schedule PMN-7, Pg 5, Ln 4, Col (L)
		2
		4,947,118
(13)	Xlarge High Load Factor Non Firm	
(14)	Customer	Schedule PMN-7, Pg 5, Ln 11, Col (P) ÷ 12
(15)	Volume Therms	Schedule PMN-7, Pg 5, Ln 5, Col (L)
		8
		12,533,193
(16)	Total Annual Volume Therms	Section 2, Lns (12) + (15) = Section 1, Ln (1)
		17,480,311

Current Rates Xlarge Low Load Factor Non Firm

(17)	Customer Charge	Schedule PMN-7, Pg 5, Ln 10, Col (N)	\$625.00
(18)	Volumetric Rate	Schedule PMN-7, Pg 5, Ln 4, Col (J)	\$0.0912
(19)	Total Current Base Delivery Revenue Xlarge Low Load Factor Customers	Section 2, Lns (17) x (11) x 12 + Section 2, Lns (18) x (12)	\$466,177

Current Rates Xlarge High Load Factor Non Firm

(20)	Customer Charge	Schedule PMN-7, Pg 5, Ln, 11, Col (N)	\$625.00
(21)	Volumetric Rate	Schedule PMN-7, Pg 5, Ln 5, Col (J)	\$0.0733
(22)	Total Current Base Delivery Revenue Xlarge High Load Factor Customers	Section 2, Lns (20) x (14) x 12 + Section 2, Lns (21) x (15)	\$978,683
(23)	Total Base Delivery Revenue Non Firm Customers	Section 2, Lns (19) + (22)	\$1,444,860
(24)	Net Non Firm Base Distribution Revenue (Margin)	Section 1, Ln (9)	\$1,447,937
(25)	Difference		(\$3,077)
(26)	% Difference		-0.2%

Proposed Rates Xlarge Low Load Factor Non Firm

(27)	Customer Charge	Schedule PMN-7, Pg 5, Ln 10, Col (O)	\$735.00
(28)	Volumetric Rate	Schedule PMN-7, Pg 5, Ln 4, Col (K)	\$0.1043
(29)	Total Current Base Delivery Revenue Xlarge Low Load Factor Customers	Section 2, Lns (27) x (11) x 12 + Section 2, Lns (28) x (12)	\$533,641

Proposed Rates Xlarge High Load Factor Non Firm

(30)	Customer Charge	Schedule PMN-7, Pg 5, Ln 11, Col (O)	\$735.00
(31)	Volumetric Rate	Schedule PMN-7, Pg 5, Ln 5, Col (K)	\$0.0838
(32)	Total Proposed Base Delivery Revenue Xlarge High Load Factor Customers	Section 2, Lns (30) x (14) x 12 + Section 2, Lns (31) x (15)	\$1,121,237
(33)	Total Base Delivery Revenue Non Firm Customers	Section 2, Lns (29) + (32)	\$1,654,878
(34)	Incremental Increase	Section 2, Lns (33) - (23)	\$210,018
(35)	Incremental Revenue in Rate Design Summary	Schedule PMN-7, Pg 5, Ln 12, Col (T)	\$210,053

Division 7-36

Request:

Re: Schedule PP-3(a), Account Restoration Fee, page 1 of 2. Please:

- a. Document and explain the derivation of the "labor time" required for:
 1. Meter Off Due to Non Payment;
 2. Meter On Due to Customer Payment.
- b. Provide the actual numbers of Account Restoration Fees billed by rate class by month for each month of the calendar year 2017 and each month of the three preceding calendar years.
- c. Document the determination of the \$8.22 average hourly rate that is used in the determination of Transportation Costs.

Response:

- a. Please see Attachment DIV 7-36-1. The Company computed the 0.6 hour of labor time for the "Meter Off Due to Non Payment" and the 0.9 hour of labor time for the "Meter On Due to Customer Payment" by summing the average travel time plus average wrench time for this type of work completed during the period July 2016 through June 2017. This calculation is shown on Page 1 of Attachment DIV 7-36-1. Narragansett Gas extracted the relevant data associated with the total travel and wrench time based on the number of completed jobs and the computation of the average time per job, which is provided on Page 2 of Attachment DIV 7-36-1.
- b. Please see the Company's response to Division 7-23, part a. for the requested information.
- c. Please see Attachment DIV 7-36-2, which reflects fleet inventory and budget information for Narragansett Gas' fiscal year ending March 2018. This information was used to derive an average cost per hour of \$8.22 for the fleet utilized by Customer Meter Services for performing its work assignments.

Account Restoration Fee
Labor Time
7/1/2016 TO 6/30/2017

		Meter On (a)	Meter Off (b)
	Narragansett Gas		
(1)	Travel Time	12	13
(2)	Wrench Time	<u>44</u>	<u>22</u>
(3)	Total Labor Minutes	56	34
(4)	Total Labor Hours	0.9	0.6

(1)(a) Page 2, Line (4), Column (l)
(2)(a) Page 2, Line (4), Column (m)
(3)(a) Line (1)(a) + Line (2)(a)
(4)(a) Line (3) / 60

(1)(b) Page 2, Line (1), Column (l)
(2)(b) Page 2, Line (1), Column (m)
(3)(b) Line (1)(b) + Line (2)(b)
(4)(b) Line (3) / 60

Narragansett Gas
Average Travel and Wrench
7/1/16 to 6/30/17

Work Type Id	Work Type Description	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)=(f)/(d)	(m)=(g)/(d)	(n)=(h)/(e)	(o)=(i)/(e)	(p)=(j)/(e)	(q)=(k)/(e)
				# Total Work Order Count	# Count - Work Complete	# Count - Unable To Complete	Travel per Complete job	Wrench per Complete job	Travel per Unable to Complete job	Wrench per Unable to Complete job	Total Travel per Job	Total Wrench per Job	Avg Travel - Complete	Avg Wrench - Complete	Avg Travel - UTC	Avg Wrench - UTC	Avg Travel - ALL	Avg Wrench - ALL
(1)	2	METER - Off / Locked		6,706	4,235	2,471	53,080	92,529	27,763	38,438	80,843	130,967	13	22	11	16	12	20
(2)	3	METER - On		12,684	9,984	2,700	123,766	432,970	26,015	60,155	149,781	493,125	12	43	10	22	12	39
(3)	4	METER - On (Payment)		6,606	5,379	1,227	62,269	243,069	10,843	21,552	73,112	264,622	12	45	9	18	11	40
(4)					15,363		186,035	676,039					12	44				
(4)(d)	Column (d), Line (2) + Line (3)																	
(4)(f)	Column (f), Line (2) + Line (3)																	
(4)(g)	Column (g), Line (2) + Line (3)																	
(4)(l)	Line (4), Column (f) ÷ Line (4), Column (d)																	
(4)(m)	Line (4), Column (g) ÷ Line (4), Column (d)																	

Narragansett Gas
Fiscal Year 2018 Fleet Budget
Customer Meter Services

L06 CC
Vehicle Type (All)

Count of Equip #			No. of			
Veh Company	Vehicle Rate Class	Total	Vehicle	Vehicle	Wgt Avg	
	(a)	(b)	Blended Rate	Cost	Hrly Rate	
		(b)	(c)	(d)	(e)	
(1)	5360G	CUBVAN-LD	3	\$6.29	\$18.87	
(2)		PU-CP-4X4	4	\$3.55	\$14.21	
(3)		PU-HD-4X4	1	\$8.29	\$8.29	
(4)		PU-LD-4X4	5	\$9.32	\$46.58	
(5)		SUV-CP	7	\$7.03	\$49.18	
(6)		SUV-CP-4X4	23	\$9.05	\$208.07	
(7)		UT-LD-COMP	4	\$14.60	\$58.39	
(8)		UT-MD	6	\$19.22	\$115.29	
(9)		VAN-HD	109	\$7.15	\$779.12	
(10)		VAN-LD	73	\$8.63	\$630.18	
(11)		WLKVAN-MD	<u>1</u>	\$12.25	<u>\$12.25</u>	
(12)	5360 Total	Grand Total	236		\$1,940.45	\$8.22

- (a) Types of vehicles supporting Customer Meter Services
- (b) Inventory of vehicles supporting Customer Meter Services from Fleet Inventory
- (c) Average rate per hour for each type of vehicle from Fleet's FY 2018 budget
- (d) Column (b) x Column (c)
- (e) Line (12), Column (d) ÷ Line (12), Column (b)

NOTE: Fleet Budget in RI CMS only for Gas segment. 110-Customer Meter Svcs
NOTE: Lookup BY Co to FY18 Std Rates WITH Utilization (loaded to SAP 3/27/17)

Division 7-37

Request:

Re: Schedule PP-3(b), page 1 of 2, Proposed Fee for IP Wireless Device. Please:

- a. Document and explain the derivation of the "Incremental Cost of Meter Equipped with a Wireless Module.
- b. Explain why it is necessary and appropriate for the Company to collect the proposed \$1,285 incremental cost for a Meter Equipped with a Wireless Module and the costs associated with installation of such a meter through a "Lump Sum Fee."
- c. Explain in detail how the capabilities of the referenced meter equipped with a wireless module differ from the capabilities of the Telemetry equipment required for Non-Firm Transportation Service customers.
- d. With respect to the Cost of the Data Plan:
 1. Provide the usage parameters for:
 - i. The Low End plan
 - ii. The High End plan
 2. Indicate the factors that would determine whether a customer requires a Low End plan, a High End plan, or a plan which is between the Low End plan and the High End plan.
 3. Provide the workpapers, data, analyses and assumptions relied upon to compute:
 - i. Average Travel Time
 - ii. Average Install Time.
 4. Indicate whether a customer with multiple gas and/or electric service accounts that require meters with wireless modules and data plans will require a separate data plan for each account, and if so, explain why separate data plans are necessary.
 5. Document the development of the \$39.62 Hourly Rate used and the cost components included in that rate. Also, explain why a separate hourly Transportation Cost is not shown.
 6. Provide the workpapers, data, analyses, and assumptions relied upon to develop the "Weighting" factors used to compute the Weighted Average Monthly Cost.

Response:

- a. Please see Attachment DIV 7-34-4, Page 2, accompanying the response to Division 7-34. The Incremental Cost of Meter Equipped with a Wireless Module is derived from the cost of the IP Wireless Device (Honeywell Wireless Module (CNI4)) of \$1,000, and the cost of additional installation parts of \$35.
- b. The Company is proposing to charge the customer a one-time lump sum fee of \$1,285 for the meter and installation, which is consistent with how the Company currently charges customers for the installation of telemetering equipment. In addition, the Company also charges a lump sum fee for those customers who request the removal of the Automatic Meter Reading (AMR) gas meter and the replacement of the non-AMR gas meter.
- c. A telemetered device requires an analog land line, which is required to be provided by the customer and allows communication between the meter and the Meter Collection System. A wireless device will leverage a "4G" protocol to communicate through secured firewalls between the meter and the Meter Collection System.
- d.
 - 1. Please see Attachment DIV 7-37. The Low End plan allows the Company to collect up to 1 megabyte (MB) of data on a monthly basis per IP address. If this limit is exceeded, the customer is considered to be on the High End plan and additional costs are incurred based on the amount of data collected during a given month.
 - 2. Whether a customer is on the Low End plan or High End plan depends on the data usage of the customer. Please see Attachment DIV 7-37.
 - 3. The Company estimated the average travel and install time for telemetering installations as follows. A technician in the Meter Operations group completes up to three telemetering installations in an eight-hour day, which equates to 8 hours / 3 jobs = 2.667 hours per installation. The Company rounded the estimated 2.667 hours to 3 hours. Of those three hours needed for the average technician to complete a telemetering installation, the Company assumed one hour was spent traveling to the job site, while the remaining two hours were spent completing the work.
 - 4. Yes, a customer with multiple gas and/or electric service meters will require a separate data plan for each meter. Each meter (gas and electric) that uses an IP wireless device will require a data plan that is associated with the IP address assigned to each device. Data plans for these devices are based on the amount of data transferred during a given month, so each service account requires a separate data plan to account for the specific usage of gas and electric customers each month.

5. The Company used the hourly wage rate of \$42.60 for Meter Operations Instrument Mechanics, who would be assigned this type of work, based on union contracts effective June 27, 2015.
6. The weighting factors used to compute the Weighted Average Monthly Cost is estimated based on actual information on the number of existing meters in other National Grid service territories having IP wireless devices and whose usage is higher than 1 MB of data. Customers with usage requiring more than 1 MB of data fall into the High End Data Plan, while those who usage requires 1 MB or less fall into the Low End Data Plan. Although customer usage varies monthly, and therefore may require Low End or High End data plan service depending on their usage during a given month, the Company estimated that 85 percent of existing meters having IP wireless devices require less than 1 MB of data and 15 percent of existing meters having IP wireless devices require more than 1 MB of data.

nationalgrid

Order Manager

mobilsense

Begin Order |

Enter Subscriber Data » [Choose Plan] » Choose Plan Features » Review Order » Finish



Verizon Activate Cold Device with New Number

	Plan	Included Voice	Overage Charge	Monthly Fee	N/W	Mobile2 Mobile	Included Domestic MB	Included Intl MB	Radio	Guidelines	Carrier
Select Plan	1MB Shared Plan	0	0	\$0.75	N/A	N/A	1	N/A	N/A		verizon wireless
Select Plan	12MB Shared Plan	0	0	\$6.00	N/A	N/A	12	N/A	N/A		verizon wireless
Select Plan	1GB Share Plan	0	0	\$14.00	N/A	N/A	1024	N/A	N/A		verizon wireless

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Division 7-38

Request:

Re: Schedule PP-3(c)-Gas, page 1 of 2, Proposed Fee Returned Checks. Please:

- a. Explain the acronym "JPCM."
- b. Explain the roles of "JPCM" and "TransCentra" in the Company's processing of returned checks.
- c. For calendar year 2017 and for each of the three immediately preceding calendar years, provide by rate class by month the numbers of returned checks processed by or for the Company.
- d. Document the development of the Company Estimates for:
 1. Base Labor
 2. Labor Overheads.
- e. Verify that the Total Cost on line (21) divided by the Test Year Returned Items on line (22) yields a result of \$7.95 per item and explain why it is appropriate to truncate that result to a proposed Return Check Fee of \$7.00.
- f. Explain why the Internal Costs for processing Returned Checks for Narragansett Gas include Labor Overheads but the Internal Costs for Narragansett Electric do not include Labor Overheads.

Response:

- a. The acronym "JPCM" stands for the Company's bank provider, JP Morgan Chase.
- b. TransCentra is the Company's retail lockbox vendor that processes check payments. When a check is processed at the lockbox, the information from the check creates two files. One file is the accounts receivable transmission file that is sent to the Company to update the Company's billing system with the customer's payment. The other file is called an image cash letter (ICL) file that is sent to JPCM with the customer's bank information to withdraw the payment from the customer's bank account. When JPCM processes the ICL file and a check comes back as a returned check (for insufficient funds), JPCM notifies TransCentra. TransCentra then creates a file to send to the Company to process the returned checks. The Company's billing system has an automated process for processing the returned checks against a customer's utility account

while other returned checks must be manually processed by the Company's staff. The Company then reconciles returned checks processed electronically and manually to bank statements from JPCM.

- c. Please see the Company's response to Division 7-23, part c.
- d. Please see Attachment DIV 7-38-1 for the development of the Company's estimate for Base Labor (Page 1) and Labor Overheads (Page 2). In preparing this response, the Company discovered that the labor cost should have been \$6,916 instead of \$6,948, resulting in the labor-related overheads of \$4,873 instead of \$4,896. However, because the Company truncated the calculation of the fee as discussed in the response to part e. below, this small change does not impact the proposed fee of \$7.00.
- e. Yes, if the Company was proposing a returned check fee that incorporated cents (i.e., two places after the decimal), \$7.95 would be the quotient. However, the Company truncated the calculation of the proposed fee in order to result in an easily referenced amount in whole dollars.
- f. The calculation of the proposed fee for returned checks for Narragansett Electric should have included an adjustment for labor-related overheads. Please see Attachment DIV 7-38-2 for a revised Schedule PP-3(c), Page 2 (Bates Page 70 of Book 15). This revised Schedule PP-3(c), Page 2 also reflects the update to the base labor amount discussed in the response to part d. above. Because the Company truncates the calculation of the proposed fee to the whole dollar, as explained in the response to part e. above, there is no impact of this correction on the proposed fee.

Narragansett Gas
Base Labor - CY '16

	<u>Employee - Day 1</u>	<u>Employee - Day 2</u>
	(a)	(b)
(1) Avg. Wage Rate	\$16.13	\$19.89
(2) Hours per Week	<u>40</u>	<u>40</u>
(3) Total Cost per Week	\$645.20	\$795.60
(4) Weeks per Month	<u>4</u>	<u>4</u>
(5) Total Cost per Month	\$2,580.80	\$3,182.40
(6) FTE Requirement	<u>0.10</u>	<u>0.10</u>
(7) Labor OH	\$258.08	\$318.24
(8) Total Monthly Base Labor	\$576.32	
(9) Annual Base Labor	\$6,916	

- (1) Average Wage Rate for Payment Processing Employees
- (2) Average Hours per Work Week
- (3) Ln (1) x Ln (2)
- (4) Average Weeks per Month
- (5) Ln (3) x Ln (4)
- (6) Estimated % of Time Spent Processing Payments for Full-Time Employees
- (7) Ln (5) x Ln (6)
- (8) Col (a), Ln (7) + Col (b), Ln (7)
- (9) Col (a), Ln (8) x 12

NGUSA Service Company Labor Burden Rates

	Jul-2016	Aug-2016	Sep-2016	Oct-2016	Nov-2016	Dec-2016	Jan-2017	Feb-2017	Mar-2017	Apr-2017	May-2017	Jun-2017	12 Month Avg.
(1) Payroll Taxes													
(2) Federal Income Contribution Act													
(3) Federal Unemployment	10.500%	10.500%	10.500%	10.000%	10.000%	10.000%	10.000%	7.250%	7.250%	9.250%	10.000%	10.000%	9.604%
(4) State Unemployment	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	
(5) Total - Payroll Taxes (single rate)	10.500%	10.500%	10.500%	10.000%	10.000%	10.000%	10.000%	7.250%	7.250%	9.250%	10.000%	10.000%	9.604%
(6) Group Insurance	1.250%	1.250%	1.250%	1.250%	1.250%	1.250%	0.500%	0.500%	0.000%	0.000%	1.000%	1.000%	0.958%
(7) Health Care	17.750%	17.750%	17.750%	18.250%	18.250%	18.250%	17.000%	17.000%	18.000%	15.000%	15.000%	15.000%	17.083%
(8) Pensions	27.250%	27.250%	27.250%	26.500%	26.500%	26.500%	24.500%	24.500%	20.750%	20.250%	20.250%	21.000%	24.375%
(9) FAS106 Post-Retirement Health Ins	10.000%	10.000%	10.000%	8.250%	8.250%	8.250%	7.500%	7.500%	6.250%	6.750%	6.750%	4.250%	7.813%
(10) FAS112 Post-Employment	0.250%	0.250%	0.250%	0.100%	0.100%	0.100%	0.000%	0.000%	-6.250%	-0.250%	-0.250%	0.500%	-0.433%
(11) Thrift	6.500%	6.500%	6.500%	6.000%	6.000%	6.000%	4.500%	4.500%	4.000%	6.250%	6.250%	6.250%	5.771%
(12) Injuries & Damages	0.750%	0.750%	0.750%	1.000%	1.000%	1.000%	1.000%	1.000%	1.000%	0.500%	0.500%	0.500%	0.813%
(13) Total - Benefits, Insurances, & Taxes	37.000%	37.000%	37.000%	36.600%	36.600%	36.600%	30.250%	30.250%	26.000%	32.500%	32.500%	33.250%	33.796%
(14) Bonus Accruals	21.000%	21.000%	21.000%	20.000%	20.000%	20.000%	17.750%	17.750%	14.500%	19.500%	19.500%	19.500%	19.292%
(15) Time Not Worked	16.250%	16.250%	16.250%	16.250%	16.250%	16.250%	16.250%	16.250%	26.750%	17.250%	17.250%	17.250%	17.375%
(16) Total													70.463%
(17) Base Labor													\$6,916
(18) Labor Overheads													\$4,873

Information Source:
Infonet - Accounting Services / Monthly Allocation Rates
(Burden Rates)

(13) Ln (5) + Ln (6) + Ln (7) + Ln (10) + Ln (11) + Ln (12)
(16) Ln (13) + Ln (14) + Ln (15)
(17) Page 1, Line (9)
(18) Line (16) x Line (17)

Narragansett Electric
Proposed Fee for Returned Checks

Test Year External Costs

<u>Service Description</u>	<u>Service Charges</u>	<u>Reference</u>
<u>JPCM Charges</u>		
(1) Return Item	\$17,504	
(2) Return Multiple Locations	\$1,445	
(3) Return Image	\$4,504	
(4) Return Detail Reporting	\$1,351	
(5) Return Item Redeposit	\$9,264	
(6) ARC Zero Admin Return Process	\$6,000	
(7) Return Item Redeposit	\$25,809	
(8) eLockbox Return - Electronic	\$203	
(9) Return Notification - Online	\$218	
(10) Return Notification - Transmission	<u>\$23,793</u>	
(11) Total	\$90,091	Total JPCM Charges per Invoices
<u>TransCentra Charges</u>		
(12) Return Corr. Various Types	\$1,192	Per TransCentra Invoices
(13) Data Capture - Return / NSF Item	<u>\$832</u>	Per TransCentra Invoices
(14) Total	\$2,024	Total TransCentra Costs
(15) Total External Costs	\$92,115	Line (11) + Line (14)

Test Year Internal Costs

<u>Internal Labor</u>	<u>Wages</u>	
(16) Base Labor	\$6,916	Per Company Estimate
(17) Labor Overheads	<u>\$4,873</u>	Per Company Estimate
(18) Total	\$11,789	Line (16) + Line (17)

Proposed Returned Check Fee

(19) Total External Costs	\$92,115	Line (15)
(20) Total Internal Costs	<u>\$11,789</u>	Line (18)
(21) Total Costs	\$103,904	Line (19) + Line (20)
(22) Test Year Returned Items	<u>13,072</u>	Per General Ledger
(23) Proposed Returned Check Fee	\$7.00	Line (21) ÷ Line (22), truncated to 0 decimal places

Incremental Revenue

(24) Proposed Returned Check Fee	\$7.00	Line (23)
(25) Current Returned Check Fee	<u>\$15.00</u>	R.I.P.U.C. 2130
(26) Proposed Decrease in Returned Check Fee	(\$8.00)	Line (24) - Line(25)
(27) Test Year Returned Items- Electric	8,824	Per General Ledger
(28) Decrease in Returned Check Fee Revenue - Electric	(\$70,592)	Line (26) x Line (28)

Division 7-39

Request:

Re: Schedule PP-5-GAS, Section 1, Schedule A, Sheet 3, Item 3.1, System Pressure Factor.
Please:

- a. Indicate how, when, and in what forum the referenced "forecast of gas supply costs that are required to maintain pressure on the Company's distribution system" will be determined.
- b. Explain why the methods for determining forecasted gas supply costs required to maintain pressure on the Company's distribution system" are not, and should not be, included in the Company's tariff.

Response:

Narragansett Gas assumes that this request is in reference to Schedule PP-5-GAS, Section 3, Distribution Adjustment Charge, Schedule A, Sheet 3 (Bates Page 38 of Book 17 (Schedule PP-4-GAS, clean version of proposed tariff) and Bates Pages 184-185 of Book 17 (Schedule PP-5-GAS, redline version of proposed tariff)).

- a. Narragansett Gas is not proposing changes to either the timing of, or the filing in which, system pressure costs will be determined and proposed to be recovered from customers. Instead, Narragansett Gas will determine "forecast of gas supply costs that are required to maintain pressure on the Company's distribution system" annually in Distribution Adjustment Charge (DAC) filings based upon information contained in the Narragansett Gas' annual Gas Cost Recovery filings.
- b. As experienced over the past year, the types of gas supply needed to maintain system pressure on Narragansett Gas' distribution system can vary over time depending on the types of capacity and supply contracts that Narragansett Gas executes. To allow for the variability in the nature of such costs, having flexible tariff language that provides for this variability is reasonable and practical so that Narragansett Gas does not have to attempt to list specific costs in the DAC provision of the gas tariff with sufficient confidence that the list is reflective of all possible costs now and in the future. The proposed revisions to the DAC provision also provide for administrative efficiency with regard to DAC filings such that Narragansett Gas would not request a waiver of a tariff provision listing specific costs if Narragansett Gas requests recovery of a system pressure cost not listed in the DAC provision. Narragansett Gas will include in each year's DAC filing the estimated system pressure costs for which it is requesting recovery along with a discussion of the method it used to allocate forecasted gas supply costs as system pressure to be included

in the DAC filing and recovered during the upcoming November through October recovery period.

Division 7-40

Request:

Re: Schedule PP-5-GAS, Section 1, Schedule A, Sheet 3, Item 3.1, System Pressure Factor, definition of "GCSP." Please identify the manner in which the Company identifies and determines the dollar amounts for:

- a. Demand costs to be included in the GCSP;
- b. Commodity costs to be included in the GCSP.

Response:

Narragansett Gas assumes that this request is in reference to Schedule PP-5-GAS, Section 3, Distribution Adjustment Charge, Schedule A, Sheet 3, Item 3.1, System Pressure Factor (Bates Page 38 of Book 17 (Schedule PP-4-GAS, clean version of proposed tariff) and Bates Pages 185-185 of Book 17(Schedule PP-5-GAS, redline version of proposed tariff)).

- a. National Grid's Engineering and Gas Supply groups evaluate peak day and peak hourly distribution system requirements and determine whether gas supply is needed to maintain system pressure. Once the gas supply needed to meet system pressure requirements has been identified, Narragansett Gas estimates the demand and commodity costs associated with system pressure that is inherent in overall forecasted gas supply costs.
- b. Please see the Company's response to part a. above.

Division 7-41

Request:

Re: Schedule PP-5-GAS, Section 1, Schedule A, Sheets 4 and 5, Item 5.0 Service Supplied.
Please explain why this section includes no reference to the Company's line extension policies and why at least a reference to those policies in this paragraph is not necessary and appropriate or at least helpful to customers trying to understand CIAC for main and service extensions.

Response:

Narragansett Gas agrees that a reference to the proposed Service and Main Extension Policies should be added to Schedule PP-5-GAS, Section 1, Sheets 4 and 5, Item 5.0.

Division 7-42

Request:

Re: Schedule PP-5-GAS, Section 1, Schedule B, Sheets 4 and 5. Please provide the monthly rates applicable for each of month of the last three calendar years for:

- a. The "monthly short term borrowing rate defined as the Company's money pool rate" as part of the definition of "Hedge Collateral Carrying Costs;"
- b. The Bank of America Prime Rate less 200 basis points as referenced in the definition of "Balance."

Response:

- a. The table below presents the "monthly short term borrowing rate defined as the Company's money pool rate" for Calendar Years 2015, 2016, and 2017.

	CY 2015	CY 2016	CY 2017
Jan	0.46%	0.90%	1.32%
Feb	0.67%	0.93%	1.35%
Mar	0.67%	0.97%	1.28%
Apr	0.84%	0.87%	1.26%
May	0.69%	1.12%	1.29%
Jun	0.53%	0.96%	1.23%
Jul	0.65%	1.16%	1.50%
Aug	0.72%	1.18%	1.52%
Sep	0.64%	0.75%	1.39%
Oct	0.61%	0.82%	1.72%
Nov	0.67%	0.97%	1.71%
Dec	0.66%	1.09%	1.71%

- b. The table below presents the "Bank of America Prime Rate less 200 basis points" for Calendar Years 2015, 2016, and 2017.

	CY 2015	CY 2016	CY 2017
Jan	1.25%	1.50%	1.75%
Feb	1.25%	1.50%	1.75%

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4770
Responses to Division's Seventh Set of Data Requests
Issued January 5, 2018

	CY 2015	CY 2016	CY 2017
Mar	1.25%	1.50%	2.00%
Apr	1.25%	1.50%	2.00%
May	1.25%	1.50%	2.00%
Jun	1.25%	1.50%	2.25%
Jul	1.25%	1.50%	2.25%
Aug	1.25%	1.50%	2.25%
Sep	1.25%	1.50%	2.25%
Oct	1.25%	1.50%	2.25%
Nov	1.25%	1.50%	2.25%
Dec	1.50%	1.75%	2.50%

Division 7-43

Request:

Re: Schedule PP-5-GAS, Section 2, Gas Charge, Schedule A, Sheet 4, Total Fixed Costs, TC_{FC} .
Please:

- a. Explain why it is necessary and appropriate that the level of supply-related local production and storage costs be determined in the Company's most recent general rate case, as opposed to have those costs determined in annual GCR proceedings.
- b. Provide detailed documentation of the supply-related local production and storage costs for which the Company seeks approval in this proceeding.
- c. Given outstanding considerations regarding long-term plans for replacement of supplies from the Cumberland LNG tank, explain the manner in which changes in the Company's current supply-related local production and storage costs will be addressed in future GCR and/or base rate proceedings.

Response:

- a. Pursuant to the Public Utilities Commission's (PUC) approval of the revenue requirement in RIPUC Docket No. 2286 (1995) and Narragansett Gas' subsequent rate design proceeding in RIPUC Docket No. 2374 (1996), Narragansett Gas commenced recovering supply-related local production and storage (i.e., liquefied natural gas (LNG)) costs through the Gas Cost Recovery (GCR) factors. Narragansett Gas commenced recovering these costs through the GCR factors instead of through base distribution rates to implement GCR factors that further reflect the recovery of costs which, in total, would be more comparable to the prices competitive gas suppliers would offer commercial and industrial customers interested in procuring their gas supply from third party marketers. Prior to the unbundling of gas rates in Rhode Island, this LNG cost was considered a traditional cost to be included in a cost of service and recovered through a bundled gas rate. The amount of this LNG cost included in gas rates was fixed and only updated at the time of a general rate case. With the transfer of the recovery of this LNG cost from base distribution rates to the GCR factors, Narragansett Gas has consistently applied the method and practice for quantifying this cost as part of general rate cases since 1995 and included this fixed allowance in its GCR filings similar to the manner by which it would recover this cost had it continued to be included in base distribution rates (i.e., the LNG cost reflected in the GCR would only change as a result of a general rate case). In light of the passage of time and the nature of the LNG costs, a review of the frequency for updating this cost may be required, and any such review should consider the balance between the benefit of improving the price signal provided by the GCR factors and the

efficiency and effectiveness of an annual update to this cost in annual GCR filings. However, Narragansett Gas' annual GCR filings may be the more appropriate forum for such a review.

- b. Narragansett Gas has proposed to adjust its revenue requirement downward by \$1,308,749 in supply-related LNG costs, as shown in Schedule MAL-32 (Bates Pages 20-24 of Book 10).
- c. Regarding the recovery of the supply-related LNG costs through future base distribution rates resulting from future general rate cases, Narragansett Gas will continue to reduce any revenue requirement based on a test year that contains such a cost consistent with past practice and pursuant to precedent on the determination of a distribution cost of service, unless the PUC directs Narragansett Gas to no longer make such an adjustment. Narragansett Gas believes that the review and evaluation of future recovery of gas supply costs impacted by the decommissioning of the LNG tank in Cumberland should take place in the annual GCR filings when Narragansett Gas presents its forecast of all gas supply costs so that all impacts to overall gas supply costs can be viewed in totality.

Division 7-44

Request:

Re: Schedule PP-5-GAS, Section 2, Gas Charge, Schedule A, Sheet 4, Credits to Fixed Costs, TR_{FC}. Please identify all “gas costs relating to supplies required to maintain system pressures on the Company’s distribution system”:

- a. As its distribution system and its gas supply portfolio are presently configured;
- b. As may be changed by any currently planned or proposed changes in its distribution system or portfolio of gas supply resources.

Response:

- a. As approved in Narragansett Gas’ Distribution Adjustment Charge (DAC) filing, RIPUC Docket No. 4708, Narragansett Gas has assigned 100 percent of the capacity contract associated with the Crary Street Gate Station to maintain system pressure.¹
- b. Narragansett Gas is not currently planning any changes in its distribution system that would alter the gas supply needed for system pressure associated with the Crary Street Gate Station. However, Narragansett Gas does plan to reduce operational dependency on liquefied natural gas (LNG) for system pressure elsewhere on the Company’s distribution system by means of capital additions to the distribution system.

¹ In Narragansett Gas’ reply comments submitted on October 23, 2017 in RIPUC Docket No. 4708, Narragansett Gas agreed with the Division of Public Utilities and Carriers’ position that 100 percent of the estimated cost of the Crary Street Gate Station be categorized as required to maintain system pressure and recovered through the DAC factors, and included a Schedule AEL-2 Revised to reflect the update to the DAC for this agreement.

Division 7-45

Request:

Re: Schedule PP-5-GAS, Section 3, Distribution Adjustment Charge, Schedule A, Sheet 4, Item 3.2, AGT Factor. Please:

- a. Explain in what forum the "Approved AGT budget" will be determined.
- b. To the extent that the "Approved AGT budget" will be determined outside of a base rate case, does the Company accept an expansion of the language of the AGT Factor to address possible changes in future AGT budget amounts.

Response:

- a. As in the past, the Advanced Gas Technology (AGT) amount that Narragansett Gas determines needs to be funded through the Distribution Adjustment Charge (DAC) will be proposed in Narragansett Gas' annual DAC filings.
- b. In light of Narragansett Gas' proposal to no longer recover AGT funding in base distribution rates, Narragansett Gas suggests the entirety of Item 3.2 (Bates Pages 38-39 of Book 17 (Schedule PP-4-GAS, clean version of proposed tariff) and Bates Pages 185-186 of Book 17 (Schedule PP-5-GAS, redline version of proposed tariff)) should be further revised to reflect flexibility in the amount to be funded through the DAC in the upcoming year, as funding needs will likely change from year to year. This will provide the PUC with discretion to approve the level of AGT funding it determines is appropriate for each year. Therefore, Narragansett Gas suggests the following changes (marked to show changes from Item 3.2 included in the clean version of the proposed gas tariff (Bates Pages 38-39 of Book 17)):

3.2 AGT Factor:

The Advanced Gas Technology factor ~~will be computed on an~~ shall be determined annually, or as otherwise approved by the PUC, based on an estimate of AGT grants to be disbursed during the upcoming year, adjusted by any AGT grants from the prior year in excess of available funding or available funding in excess of AGT grants from the prior year, is utilizing the approved amount for the total of which is the eligible AGT Costs to be approved for recovery by the PUC for the prior twelve month period ended March 31.
The formula will be as follows:

$$AGT = \frac{AGT_B}{Dt_T}$$

Where:

AGT AGT Factor

~~AGT_B~~ ~~Approved AGT Costs~~ budget

Dt_T Forecasted annual firm throughput in dekatherms

The DAC's AGT provision would then read:

3.2 AGT Factor:

The Advanced Gas Technology factor shall be determined annually, or as otherwise approved by the PUC, based on an estimate of AGT grants to be disbursed during the upcoming year, adjusted by any AGT grants from the prior year in excess of available funding or available funding in excess of AGT grants from the prior year, the total of which is the eligible AGT Costs to be approved for recovery by the PUC. The formula will be as follows:

$$AGT = \frac{AGT}{Dt_T}$$

Where:

AGT AGT Factor

AGT AGT Costs

Dt_T Forecasted annual firm throughput in dekatherms

Division 7-46

Request:

Re: Schedule PP-5-GAS, Section 3, Distribution Adjustment Charge, Schedule B, Sheet 7, Target Revenue per Customer. Please:

- a. Explain how the Target Revenue per Customer for the period beginning January 2018 will be determined prior to the conclusion of this proceeding (i.e., Docket No. 4770).
- b. Noting that no change in this tariff provision would be effective prior to a final order in this proceeding, would the Company accept an alternative the definition for "*Target Revenue Per Customer*" that reads, "*The target revenue per customer for each rate class will be the Target Revenue per Customer established based on the Commission's Final Order in the Company's most recently decided base rate case.*"

Response:

Narragansett Gas assumes that this data request is asking about the definition of Target Revenue Per Customer in Schedule PP-5-GAS, Section 1, General Rules and Regulations, Schedule B, Sheet 7.

- a. Although Narragansett Gas is referencing an effective date of January 1, 2018 in the definition of Target Revenue Per Customer, Narragansett Gas understands that the Public Utilities Commission (PUC) would suspend the proposed tariff for a later effective date. Therefore, the January 1, 2018 date in the definition will be revised to the effective date of the PUC's order in this case.
- b. Based on Narragansett Gas's response to part a. above, it does not believe that its proposed definition of Target Revenue Per Customer, subject to updating the date to reflect the approved effective date of new distribution rates and the gas tariff resulting from this general rate case, needs to be changed.

Division 7-47

Request:

Re: Schedule PP-5-GAS, Section 6, Non-Firm Transportation, Schedule A, Sheet 2, Distribution Charge. Please:

- a. Provide the numbers of NFT customers billed in each usage category in each month of calendar year 2017 and in each month of each of the three immediately preceding calendar years.
- b. Provide the results of the annual reviews of NFT customer usage performed after the August billing period in 2017 and in each of the three immediately preceding years indicating the numbers of customers that were moved from one usage category to another specifying the customers' former usage category and the usage category to which the customer was moved.
- c. In the Company's annual review of NFT customer usage for 2017, identify any and all adjustments to customer usage that were made to reflect periods of service interruption or curtailment.

Response:

- a. Please see Attachment DIV 7-47 for the requested information.
- b. Pursuant to Item 7.0 of Narragansett Gas's tariff provided in Schedule PP-5-GAS, Section 1, General Rules and Regulations, Schedule A, Sheet 8 (top), Narragansett Gas performs the annual review of non-residential annual usage on firm customer accounts. Therefore, there is no review of non-firm transportation customers' annual usage.
- c. Please see the Company's response to part b. above.

Number of Non Firm Customers for CY 14 through CY 17

	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Non Firm Sales Customer Counts												
(1) Annual Usage <35,000 Therms	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage between 35,001 to 150,000												
(2) Therms and Off Peak Usage <=31%	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage between 35,001 to 150,000												
(3) Therms and Off Peak Usage >31%	0	0	0	0	0	0	0	0	0	1	1	0
Annual Usage > 150,000 Therms and Off												
(4) Peak Usage <=31%	1	1	1	1	1	1	1	1	1	1	1	1
Annual Usage > 150,000 Therms and Off												
(5) Peak Usage >31%	2	2	2	2	2	1	1	1	1	1	1	1
(6) Sub-Total Non Firm Sales	3	3	3	3	3	2	2	2	2	3	3	2
Non Firm Transportation Customer Counts												
(7) Annual Usage <35,000 Therms	0	0	1	1	1	1	0	0	0	0	0	0
Annual Usage between 35,001 to 150,000												
(8) Therms and Off Peak Usage <=31%	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage between 35,001 to 150,000												
(9) Therms and Off Peak Usage >31%	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage > 150,000 Therms and Off												
(10) Peak Usage <=31%	2	2	2	2	2	2	2	2	2	2	1	1
Annual Usage > 150,000 Therms and Off												
(11) Peak Usage >31%	10	9	10	10	10	10	10	10	10	9	8	8
(12) Sub-Total Non Firm Transportation	12	11	13	13	13	13	12	12	12	11	9	9
(13) Total Non Firm Customer Counts	15	14	16	16	16	15	14	14	14	14	12	11

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Non Firm Sales Customer Counts												
(14) Annual Usage <35,000 Therms	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage between 35,001 to 150,000												
(15) Therms and Off Peak Usage <=31%	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage between 35,001 to 150,000												
(16) Therms and Off Peak Usage >31%	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage > 150,000 Therms and Off												
(17) Peak Usage <=31%	1	1	1	1	1	1	1	1	1	1	2	2
Annual Usage > 150,000 Therms and Off												
(18) Peak Usage >31%	1	1	1	1	1	1	1	1	1	1	1	1
(19) Sub-Total Non Firm Sales	2	2	2	2	2	2	2	2	2	2	3	3
Non Firm Transportation Customer Counts												
(20) Annual Usage <35,000 Therms	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage between 35,001 to 150,000												
(21) Therms and Off Peak Usage <=31%	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage between 35,001 to 150,000												
(22) Therms and Off Peak Usage >31%	0	0	0	0	0	0	0	0	0	0	0	0
Annual Usage > 150,000 Therms and Off												
(23) Peak Usage <=31%	1	1	1	1	1	1	1	1	1	1	1	1
Annual Usage > 150,000 Therms and Off												
(24) Peak Usage >31%	8	8	8	8	8	8	8	8	8	8	8	8
(25) Sub-Total Non Firm Transportation	9	9	9	9	9	9	9	9	9	9	9	9
(26) Total Non Firm Customer Counts	11	11	11	11	11	11	11	11	11	11	12	12

Number of Non Firm Customers for CY 14 through CY 17

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
(1) Non Firm Sales Customer Counts												
Annual Usage <35,000 Therms	0	0	0	0	0	0	0	0	0	0	0	0
(2) Annual Usage between 35,001 to 150,000 Therms and Off Peak Usage <=31%	0	0	0	0	0	0	0	0	0	0	0	0
(3) Annual Usage between 35,001 to 150,000 Therms and Off Peak Usage >31%	0	0	0	0	0	0	0	0	0	0	0	0
(4) Annual Usage > 150,000 Therms and Off Peak Usage <=31%	1	1	1	1	1	1	1	1	1	1	1	1
(5) Annual Usage > 150,000 Therms and Off Peak Usage >31%	1	1	1	1	1	1	1	1	1	1	1	1
(6) Sub-Total Non Firm Sales	2	2	2	2	2	2	2	2	2	2	2	2
Non Firm Transportation Customer Counts												
(7) Annual Usage <35,000 Therms	0	0	0	0	0	0	0	0	0	0	0	0
(8) Annual Usage between 35,001 to 150,000 Therms and Off Peak Usage <=31%	0	0	0	0	0	0	0	0	0	0	0	0
(9) Annual Usage between 35,001 to 150,000 Therms and Off Peak Usage >31%	0	0	0	0	0	0	0	0	0	0	0	0
(10) Annual Usage > 150,000 Therms and Off Peak Usage <=31%	1	1	1	1	1	1	1	1	1	1	1	1
(11) Annual Usage > 150,000 Therms and Off Peak Usage >31%	8	8	8	8	8	8	7	7	7	7	7	7
(12) Sub-Total Non Firm Transportation	9	9	9	9	9	9	8	8	8	8	8	8
(13) Total Non Firm Customer Counts	11	11	11	11	11	11	10	10	10	10	10	10

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
(14) Non Firm Sales Customer Counts												
Annual Usage <35,000 Therms	0	0	0	0	0	0	0	0	0	0	0	0
(15) Annual Usage between 35,001 to 150,000 Therms and Off Peak Usage <=31%	0	0	0	0	0	0	0	0	0	0	0	0
(16) Annual Usage between 35,001 to 150,000 Therms and Off Peak Usage >31%	0	0	0	0	0	0	0	0	0	0	0	0
(17) Annual Usage > 150,000 Therms and Off Peak Usage <=31%	1	1	1	1	1	1	1	1	1	1	1	1
(18) Annual Usage > 150,000 Therms and Off Peak Usage >31%	1	1	1	1	1	1	1	1	1	1	1	1
(19) Sub-Total Non Firm Sales	2	2	2	2	2	2	2	2	2	2	2	2
Non Firm Transportation Customer Counts												
(20) Annual Usage <35,000 Therms	0	0	0	0	0	0	0	0	0	0	0	0
(21) Annual Usage between 35,001 to 150,000 Therms and Off Peak Usage <=31%	0	0	0	0	0	0	0	0	0	0	0	0
(22) Annual Usage between 35,001 to 150,000 Therms and Off Peak Usage >31%	0	0	0	0	0	0	0	0	0	0	0	0
(23) Annual Usage > 150,000 Therms and Off Peak Usage <=31%	1	1	1	1	1	1	1	1	1	1	1	1
(24) Annual Usage > 150,000 Therms and Off Peak Usage >31%	7	7	7	7	8	8	8	8	8	8	8	8
(25) Sub-Total Non Firm Transportation	8	8	8	8	9	9	9	9	9	9	9	9
(26) Total Non Firm Customer Counts	10	10	10	10	11	11	11	11	11	11	11	11