Thomas R. Teehan
Senior Counsel

August 1, 2013

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: 2013 Distribution Adjustment Charge ("DAC")
Docket No. _____

Dear Ms. Massaro:

In accordance with the provisions of the DAC Tariff, RIPUC NG No. 101, Section 3, Schedule A, enclosed please find ten (10) copies of National Grid's[1] annual DAC filing. The DAC was established in Docket No. 3401 to provide for the recovery and reconciliation of the costs of identifiable special programs. Thus, the DAC is comprised of several factors relative to the specific underlying programs.[2]

The 2013 DAC includes rate-specific Infrastructure, Safety and Reliability ("ISR") reconciliation factor based on the reconciliation of the updated revenue requirement contained in the Company's FY 2013 Gas ISR Reconciliation filing filed under separate cover today in Docket No. 4306 and ISR collections during the same period. Additionally, the 2013 DAC filing includes a Revenue Decoupling Adjustment factor to reconcile actual revenue-per-customer by rate class with the target revenue-per-customer as filed on July 2, 2013 in Docket No. 4339 under the Revenue Decoupling Mechanism approved by the Commission in Docket No. 4206.

This filing consists of the pre-filed direct testimony of Mariella C. Smith and William R. Richer and their associated attachments in support of the proposed DAC factors. In her testimony, Ms. Smith describes the changes to the DAC implemented in compliance with the settlement agreement approved in the 2012 DAC proceeding (Docket No. 4339) and the Amended Settlement in the 2012 gas and electric rate case (Docket No. 4323). Ms. Smith provides the reconciliation of the various components of the DAC and proposes updated factors to be effective November 1,

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[1] The Narragansett Electric Company d/b/a National Grid ("National Grid" or the "Company").
[2] The DAC includes a System Pressure factor, an Advanced Gas Technology factor, a Low Income Assistance Program factor, an Environmental Response Costs factor, a Pension Adjustment factor, an On-System Margin Credit factor, a Service Quality Performance factor, a Revenue Decoupling Adjustment factor, rate-class specific Infrastructure, Safety and Reliability factors, two Reconciliation factors, and an Earnings Sharing Mechanism factor.

2013. Mr. Richer's testimony provides the status of the Company's earnings subject to the Earnings Sharing Mechanism for the period ending March 31, 2013, the calculation of the Pension and Postretirement Benefits Other Than Pensions ("PBOP") costs to be reconciled in the Pension Adjustment factor, the updated FY 2013 gas ISR Plan revenue requirement to be used in the reconciliation to the actual revenues billed through the ISR factor during FY 2013, and the adjusted revenue requirements of the final period under the Company's former Capital Tracker approved by the Commission in Docket No. 3943 and Accelerated Replacement Program approved by the Commission in Docket No. 3943.

Since the underlying data for certain components of the DAC become available only after August 1, the Company will supplement this filing on or before September 1, 2013. That supplemental filing will provide proposed DAC rates for effect November 1, 2013, which incorporate factors for all updated DAC components, and will include a bill-impact analysis.

Thank you for your attention to this filing. If you have any questions, please do not hesitate to contact me at (401) 784-7667.

Very truly yours,

Thomas R. Teehan

Enclosure

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The Narragansett Electric Company d/b/a National Grid

Distribution Adjustment Charge Filing

Testimony and Schedules of
Mariella C. Smith
and
William R. Richer

August 1, 2013

Submitted to:
Rhode Island Public Utilities Commission
R.I.P.U.C. Docket No. _____

Submitted by:

nationalgrid

Testimony of
Mariella C. Smith

DIRECT TESTIMONY

OF

MARIELLA C. SMITH

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I. Introduction and Qualifications

Q. Please state your name and business address.

A. My name is Mariella C. Smith and my business address is 40 Sylvan Road, Waltham, Massachusetts 02451.

Q. What is your position and responsibilities?

A. I am a New England Pricing Lead Analyst, in the Regulation and Pricing Department of National Grid USA Service Company, Inc., supporting the gas pricing activities of The Narragansett Electric Company ("National Grid" or the "Company"). My responsibilities include the design, implementation, and administration of the Company's rates and tariffs for natural gas service.

Q. Have you previously testified before the Rhode Island Public Utilities Commission (the "Commission")?

A. Yes, I testified in the Gas Infrastructure, Safety and Reliability Plan proceeding, Docket No. 4380, earlier this year.

Q. Please provide your educational background.

A. I received a Bachelor of Arts in Political Science from the University of California, Los Angeles and a Master of Arts in Law and Diplomacy from the Fletcher School at Tufts University.

Q. Please provide your professional background.

A. I was first employed by Keyspan Energy in New York from September 2005 through May 2007 as an analyst in the Regulatory Affairs Department. Prior to re-joining National Grid in 2012, I was an energy consultant with PA Consulting Group. In that role, I provided strategic advisory services on portfolio optimization, asset acquisition, development, and disposition activities to large utilities. I also performed strategic and operational assessments for utilities in the United States and co-authored market expert reports, white papers and briefings on a variety of topics related to U.S. energy markets. Most recently, I worked with National Grid at the executive level to analyze its company costs and internal allocations. In 2012, I became a Lead Analyst with the Regulatory and Pricing Group, the position I hold today for National Grid.

Q. What is the purpose of your testimony?

A. The purpose of this testimony is to describe the changes to and reconciliation of the various components of the DAC and to propose updated factors to be effective November 1, 2013. This filing is submitted pursuant to the Company's Distribution Adjustment Charge Provision ("DAC"), R.I.P.U.C. NG-Gas No. 101, under Section 3, Schedule A.

Q. Are you sponsoring any schedules with your testimony?

A. Yes. I am sponsoring the following schedules that accompany my testimony:

Schedule MCS-1	Summary of DAC Factors
Schedule MCS-2	System Pressure Factor
Schedule MCS-3	Advanced Gas Technology Program Factor
Schedule MCS-4	Environmental Response Cost Factor
Schedule MCS-5	Pensions and Post Retirement Benefits Factor
Schedule MCS-6	On-System Margin Credits Factor
Schedule MCS-7	Reconciliation Factors
Schedule MCS-8	Revenue Decoupling Adjustment Factor
Schedule MCS-9	ISR Reconciliation Factors

II. DAC Summary

Q. **Please provide an overview of the DAC and its components.**

A. The DAC was established in Docket No. 3401 to provide for the recovery and reconciliation of the costs of identifiable special programs. As described in the Company's tariff R.I.P.U.C. NG-Gas No. 101 in Section 3, Schedule A, the DAC includes an annual System Pressure ("SP") factor; an Advanced Gas Technology ("AGT") factor; a Low Income Assistance Program ("LIAP") factor; an Environmental Response Cost ("ERC") factor; a Pension Adjustment factor ("PAF"); an On-System Margin Credit ("MC") factor; a Service Quality Performance ("SQP") factor; a Revenue Decoupling Adjustment ("RDA") factor;

Rate class specific Infrastructure, Safety, and Reliability ("ISR") factors; two Reconciliation ("R") factors for the previous year DAC factors and an Earnings Sharing Mechanism ("ESM") factor.

Q. Please briefly describe any changes impacting the DAC calculation since last year's filing.

A. In last year's Settlement of DAC issues, Docket No. 4339, the Company agreed to changes in the calculation of its System Pressure Factor, the interest impacting the AGT Fund Balance, and the treatment of profits from future land sales which involved land for which site investigation and remediation costs were included in the ERC factor. This filing includes the implementation of those changes wherever applicable. Each of those changes is explained in detail within the explanation of their respective factors.

In addition, as stipulated in the Company's last rate case, Docket No. 4323 ("2012 Rate Case"), several changes impacting the DAC took effect on February 1, 2013. Among them are the following:

1) The reconciliation periods for several DAC factors are now in-line with the Company's Fiscal Year, April through March. These factors are: the base rate items including the AGT, ERC and LIAP factors, the Pension and PBOP factor,

the ESM factor, the MC factor, the Environmental factor, the AGT-DAC factor and the LIAP factor.

2) The On-System Margin threshold was changed to include only the margin associated with non-firm customers and no longer includes a reconciling mechanism for the dual fuel firm customers. In addition, the annual revenue requirement for non-firm customers was set at $1.8 million and includes annual adjustments to the threshold resulting from customers switching between firm and non-firm service and vice versa.

3) The Pension and PBOP rate allowances were revised.

4) The uncollectible percentage used to gross up the DAC factors has changed from 2.46 percent to 3.18 percent.

5) The Company agreed to refund through the DAC, 50 percent of the incremental revenue resulting from the installation of a large gas-fired combined heat and power unit until the Company's next base rate case. Since this unit is not yet on line, the Company has not included such credits in this upcoming DAC filing

Q. Please provide the proposed DAC factors.

A. As in prior years, the proposed DAC factors have not been finalized as of August 1 as certain underlying data for the development of all factors is not yet available. Based upon the data that is available, the preliminary rates (including ISR rates

that became effective April, 1, 2013) are shown in the table below and a summary of the various DAC factors in this filing are provided in Schedule MCS-1.

Table 1-1: Preliminary DAC Factors per rate class

Rate Class	Preliminary DAC w/o ISR ($/therm) A	ISR Reconciliation Factor ($/therm) C	ISR Factor effective April 1, 2013 ($/therm) B	Proposed DAC Rate ($/therm) D=A+B+C
Res- NH	$0.0351	($0.0249)	$0.0045	$0.0147
Res-H	$0.0351	$0.0000	$0.0024	$0.0375
Small C&I	$0.0351	$0.0017	$0.0024	$0.0392
Medium C&I	$0.0351	$0.0010	$0.0018	$0.0379
Large LL	$0.0044	$0.0001	$0.0014	$0.0059
Large HL	$0.0044	$0.0017	$0.0018	$0.0079
XL-LL	$0.0044	($0.0018)	$0.0005	$0.0031
XL-HL	$0.0044	($0.0002)	$0.0005	$0.0047

*Rates include uncollectible allowance.

As discussed later in my testimony, the Company will supplement this filing with updated information in its September 1, 2013 annual DAC filing. This supplemental filing will provide proposed DAC factors incorporating all updated DAC components and include a bill impact analysis. Consistent with the provisions of the Company's tariff R.I.P.U.C. NG-Gas No. 101, Section 3, Schedule A, the updated DAC factors are proposed to become effective with consumption starting November 1, 2013.

III. DAC Component Details

Q. Please describe the System Pressure component.

A. Maintaining proper operating pressure on the Company's distribution system requires the occasional use of the Company's LNG facilities. The System Pressure component reflected in the DAC represents projected LNG demand costs for the period November 1, 2013 through October 31, 2014 to ensure proper operating pressure along the Company's distribution system. Pursuant to the Settlement of DAC Issues in Docket No. 4339, the System Pressure balancing percentage was updated to 75.77% of the projected LNG lease payments for the period referenced above[1].

Q. Will the Company provide a System Pressure factor in this filing?

A. No. As noted in Docket No. 4196, the Company and the Division agreed that because forecasted LNG costs are directly related to gas costs, the Company will not file preliminary System Pressure data in its August 1 DAC filing, but rather will file its LNG System Pressure data and factor as part of its supplemental September 1, 2013 DAC filing coincident with the Company's Gas Cost Recovery filing. As such, Schedule MSC-2 in this filing is a placeholder for the September 1 System Pressure factor.

[1] Prior DAC filings reflected the projected LNG supply related costs which included withdrawal commodity, inventory financing, supplier demand costs, and a system balancing percentage of 18.12%.

Q. Please describe the current AGT program.

A. The existing AGT program was established in Docket No. 2025 to promote development of energy-efficient natural gas technologies that increase utilization of natural gas during periods of low demand. Increased off-peak usage reduces the unit cost of gas for all customers by generating distribution revenues to support fixed costs associated with resources needed during peak periods. The AGT program provides rebates for technologies such as natural gas powered fleet vehicles, chilling systems, electrical generators, process heating, desiccant dehumidifiers, as well as for residential high efficiency space heating equipment.

Q. Please provide an update with respect to the AGT rebate activity over the past year and any known potential future rebates.

A. The Company issued a rebate in the amount of $187,172 for a major Natural Gas Vehicle project including 40 refuse trucks on April 2013. The second phase of this project is expected to award approximately $82,000 for additional refuse trucks later this year. In addition, the Commission recently approved a $1.8 million AGT rebate associated with a large cogeneration system to be paid out in three installments of $500,000 and a final installment of $300,000 over the next four years. Additional projects involving a 1.1 MW cogeneration system consisting of two 570 kW reciprocating engines and a new cogeneration system of 1.3 MW to be added to the customer's existing cogeneration system are in the

study phase and would potentially involve a $241,294 and a $330,196 rebate respectively. Unquestionably, the AGT program is experiencing renewed interest as a result of customer's awareness and desire for energy efficiency, energy planning, and cleaner and more economic energy options for their businesses. The Company believes this program will remain an important catalyst for economic development and clean energy in the state, justifying the continuation of the current level of funding.

Q. What level of funds is available for new projects in 2013-2014?

A. As shown in Schedule MCS-3 Page 2, at the end of March 2013[2], the AGT Rebate account had a balance of $2,461,303. This balance does not reflect the rebate for $187,172 disbursed in April of this year. Also anticipated to be paid out from this balance over the next four years is the $2.4 million noted above as the projects become operational or meet other milesones. In addition, consistent with the Settlement of DAC Issues in Docket No. 4339, the fund balance does not reflect interest of $21,597 calculated for the nine month period from July 2012 through March 2013 and credited to customers through this year's reconciliation

[2] Pursuant to the Company's tariff R.I.P.U.C. NG-Gas No. 101 in Section 3, Schedule A, Sheet 4, this year's reconciliation is based on a stub period covering July 1, 2012 through March 31, 2013.

factor.[3] See Schedule MCS-3 page 2 for the calculation and MCS-7, page 1, line 11 for the credit details.

Q. Is the Company proposing any changes to the AGT program?

A. Not at this time. The Company continues to collect $300,000 annually in base rates, and this annual funding will increase the balance in the fund over the same period that the anticipated rebates are paid to qualifying projects. Based upon this current level of funding and today's new project projections, the Company does not believe additional funding is required at this time. Therefore, the Company is not proposing any change in the AGT factor effective November 1, 2013, the AGT factor will remain at zero as shown on Schedule MCS-3, page 1.

The Company would, however, like to note that should there be additional interest in the program over the next year, the Company will reassess the need in its August 1, 2014 DAC filing and propose any changes in funding based on then-current projects in the pipeline at that time.

Q. Please describe the Low Income Assistance Programs.

A. The low-income assistance programs included with this DAC component are the Low Income Heating Energy Assistance Program ("LIHEAP") and the Low

[3] Commission's Order No. 18780 in Docket No. 3690 provided the accrual of interest on the AGT balance.

Income Weatherization Program. LIHEAP is a federally-funded, state-administered program providing funding to assist low income customers in paying their heating bills. The Company's program piggybacks on the state-administered program and provides additional credits on customers' gas bills. The Low Income Weatherization Program provides supplemental funding to the weatherization program administered by the Rhode Island Office of Energy Resources. In the 2012 Rate Case, no changes were made to the funding for LIHEAP and the weatherization program which remain in base rates at an annual level of $1,585,000 and $200,000, respectively.[4] The Company is not proposing any change to the existing program or level of funding at this time. Accordingly, the LIAP component of the DAC has been set at zero.

Q. Please explain the purpose of the Environmental Response Cost factor.

A. The ERC factor is designed to allow the Company recovery of its reasonable and prudently incurred costs for evaluation, remediation, and clean-up of the sites associated with the Company's ownership and/or operation of manufactured gas plants ("MGP"), manufactured gas storage facilities, and MGP-related off-site waste disposal locations. In addition, the ERC factor includes recovery of

[4] On July 13, 2011, the Governor signed into law H 6293A which established a state fund that annually provides an additional $6.5 million to $7.5 million for LIHEAP eligible electric and gas customers funded through a separate LIHEAP Enhancement Plan charge rate.

environmental costs for removing and replacing mercury regulators and addressing meter disposal issues.

Q. Please describe the proposed ERC factor.

A. Consistent with the Company's Tariff, RIPUC NG-Gas No. 101, Section 3, Schedule A, Item 3.5, the ERC factor is a per-therm charge that reflects the 10-year amortization of environmental response costs. As shown on Schedule MCS-4, page 1, the proposed ERC factor reflects annual amortization expenses totaling $1,382,515 for the period July 2012 through March 2013. A yearly breakdown of this amortization expense is provided on Schedule MCS-4, pages 2 and 3. Environmental project-specific expenses for the 12 months ending March 31, 2013 are provided on Schedule MCS-4, page 4. More in-depth descriptions of the various environmental projects and the 2012-13 activities can be found in the annual environmental report filed with the Commission under separate cover dated August 1, 2013. Netting the annual amortization expenses of $1,382,515 against the $1,310,000 of ERC funding[5] embedded in base rates leaves a balance of $72,515 to be surcharged to customers over the November 2013 through October 2014 period. This balance was divided by forecasted throughput of 38,500,653 dths for the 12-months beginning November 1, 2013. This result was

[5] In the 2012 Rate Case, no changes were made to the funding for ERC, which remains in base rates at an annual level $1,310,000.

then divided by 10 to derive a $/therm factor and translates to a $0.0001 per therm ERC actor.

Q. What does the pension costs and post-retirement benefits reconciliation entail?

A. In Docket No. 3943 ("2008 Rate Case"), the Commission approved the Company's proposal to reconcile its pension and post-retirement benefits other than pensions ("PBOP") expenses annually through the DAC. In accordance with the Company's Tariff, RIPUC NG-Gas No. 101, Section 3, Schedule A, Item 3.6, the pension adjustment factor is designed to recover or refund the prior year's reconciliation of the Company's actual Pension and PBOP expenses to the Company's Pension and PBOP allowances that were included in base rates plus carrying charges[6]. The adjustment factor is based on this difference.

Q. Please describe the calculation of the pension adjustment factor for this DAC period.

A. A preliminary calculation reconciling the Company's actual Pensions and PBOP expenses and the base rate allowances for the nine month period ending March 31, 2013 is set forth in Company Witness William Richer's testimony and

[6] Effective February 1, 2013 and as a result of the 2012 Rate Case, the rate allowance for the Pension Costs was increased to $7,679,852 while the PBOP rate allowance decreased to $4,322,804 from prior levels. The Company has reflected the change in the rate allowances in its reconciliation.

schedules, in which he supports the derivation of these amounts. Based on these amounts, the preliminary pension adjustment factor is $0.0018 per therm and is calculated by dividing the net undercollection of actual pension and PBOP expenses by the forecasted throughput of 38,500,653 dths for the 12-months beginning November 1, 2013. This result is then divided by 10 to derive a $/therm factor as shown in Schedule MCS-5 page 1. Since these amounts are preliminary at this time, the Company will provide an update in its September 1 DAC filing if necessary.

Q. Please explain the changes to the crediting of margins from on-system non-firm sales and transportation services.

A. In the 2008 Rate Case, the Commission accepted a stipulated agreement between the Company and the Division that established a new structure and benchmark level for On-System Margins. Under the agreement, the Company would track the margins, exclusive of the Rhode Island Gross Earnings Tax ("GET") and energy efficiency surcharges, for 64 Firm and Non-Firm Dual Fuel customers at the time of that filing, as well as any new non-firm customers and non-firm special contracts (collectively "Dual-Fuel customers"). If those margins exceed a $2,816,000 threshold, then any excess amount of the On-System Margins would be credited back to customers. If margins were less than the threshold, the shortage would be recovered from customers. As a result of the 2012 Rate Case

and pursuant to the settlement in that case, the Company is no longer required to separately track revenue for Dual-Fuel customers who utilize firm service. The approved settlement re-established the revenue threshold reflected in the Company's revenue requirement for non-firm customers at $1.8 million. Only those revenues, exclusive of the GET, for the 12-month period ending March 31 are to be used in calculating the DAC's On-System Margin factor.

Q. **Please provide the details on the On-System Margin Credit factor included in this filing.**

A. Schedule MCS-6 summarizes the Dual-Fuel customer usage, revenue, and margins, net of GET and Energy Efficiency surcharges, for the nine-month period ending March 31, 2013. These revenues are compared against a prorated threshold which reflects seven months of the threshold from the 2008 Rate Case and two months of the threshold from the 2012 Rate Case, or $1,942,667[7]. The Dual-Fuel revenue, net of GET and Energy Efficiency surcharges, is compared against this threshold, resulting in excess margins of $462,061. This amount will be returned to customers through an On-System Margin Credit factor of ($0.0012) per therm derived by dividing the excess margin of $462,061 by the forecasted throughput of 38,500,653 dths and dividing this result by 10 to derive a $/therm factor for the 12-month period beginning November 1, 2013.

[7] Represents 7/12^{ths} of $2,816,000 plus 2/12^{ths} of $1,800,000.

Q. Please provide an overview of the changes to the capital expenditures tracker.

A. In the 2008 Rate Case, the Commission approved a capital expenditures ("CXT") mechanism for refunding or collecting from customers the revenue requirement impact associated with variations in capital spending during the rate year of the Company's 2008 Rate Case ("Capital Tracker"), as well as incremental plant investment associated with the Accelerated Replacement Program ("ARP"). As described by Mr. Richer in his testimony, there are residual amounts through January 31, 2013 associated with each of these mechanisms that are subject to reconciliation, as they were included in the November 1, 2012 DAC factors but were subsequently eliminated effective February 1, 2013, the effective date of new base rates from the 2012 Rate Case.

Q. Is the Company including a reconciliation for the Capital Tracker in this filing?

A. Yes it is. In Mr. Richer's Schedule WRR-3, the Company presents a summary of the annual amounts due to customers as a result of the reconciliation of forecasted capital investment reflected in the 2008 Rate Case and the actual capital investment during the rate year, when those amounts accrued to the benefit of customers, and when they were reflected in the DAC factors. Based upon this summary, the Company is including the reconciliation of the Capital Tracker for

the three month period November 2012 through January 2013. The Company calculated the proportion of the annual credit of $2,013,339 that was reflected in the November 1, 2012 DAC factors to be 47 percent of the annual total, based on the percentage of annual gas usage that occurred in that November 2012 through January 2013 period. The three month credit of $952,602 due to customers is shown in Schedule MCS-7, Page 4, Column (a) at 81.

Q. Please describe the ARP component.

A. The ARP approved in the 2008 Rate Case was designed to accelerate over a five year period the replacement of bare-steel and cast-iron mains and high-pressure, bare-steel services. The ARP provided for an annual review of replacement projects and provided the Company an incremental rate adjustment mechanism for ARP investments incurred that were above a threshold level included in base rates in the 2008 Rate Case. The type of investment that the ARP was designed to recover is now being addressed in annual ISR plans.

Q. Has the Company included an ARP reconciliation in this filing?

A. Similar to the Capital Tracker credit, the Company must also finalize the recovery of the cumulative revenue requirement associated with the ARP and therefore has included a reconciliation of the ARP. As shown in Mr. Richer's Schedule WRR-4, the ARP reflected in the November 1, 2012 DAC factors represented the

revenue requirement for FY 2013 (April 2012 through – March 2013). Therefore, the Company also calculated the proportion of the annual FY 2013 ARP revenue requirement approved to be recovered by the Company in Docket 4339 to reflect the 10-month period April 2012 through January 2013 or 79 percent of the annual total, based on the percentage of annual gas usage that occurred in that April 2012 through January 2013 period. Similar to the Capital Tracker credit, the Company billed customers for recovery of the FY 2013 revenue requirement through the DAC until the investment was reflected in base rates, or January 31, 2013, and effective February 1, 2013, when the Company set the ARP component of its DAC to zero effective. The Company is reflecting the beginning balance of the ARP at 10 months of approved revenue requirement, or $1,741,944, for the period April 2012 through January 2013 as shown in Schedule MCS-7, Page 4, Column (a) at 90.

Q. Please provide a brief description of the Service Quality Program and its current impact on the DAC.

A. In the Service Quality Plan proceeding, Docket No. 3476, it was agreed that any penalty amounts resulting from the approved Service Quality Plan would be credited to customers in the DAC as part of the Company's annual DAC filing. The Company's FY 2013 Annual Service Quality Report filed on July 2013, indicates that the Company did not incur a penalty for this year, therefore there is

no impact on the DAC, and consequently the 2013 SQP DAC factor is $0.0000 per therm.

Q. Please explain the RDA component.

A. In Docket No. 4206, and in compliance with the Revenue Decoupling statute, R.I.G.L § 39-1-27.7.1, on July 26, 2011, the Commission approved a Revenue Decoupling Mechanism ("RDM") that provides for an annual reconciliation of the actual base revenue-per-customer by rate class with the target revenue-per-customer based on rates approved by the Commission in the Company's 2008 Rate Case. This reconciliation is performed on a monthly basis and the current period's reconciliation, filed on July 2, 2013, covers the stub period of April 2012 through January 2013. Accordingly, as shown on Schedule MCS-8, the RDA represents an under recovery of $7,490,077 and a factor of $0.0280 per therm[8] derived by dividing the under recovery by the throughput associated with the Residential, Small and Medium Commercial and Industrial ("C&I") rate classes or 26,725,365 dths and dividing this result by 10 to derive a $/therm factor for the 12-months beginning November 1, 2013.

[8] The base rates which generate the target revenue used in the RDA includes an uncollectible amount, therefore, the RDA factor is not grossed up for uncollectibles.

Q. Is the Company reflecting any amounts in the proposed DAC factors associated with the earnings sharing mechanism?

No it is not. Mr. Richer discusses the Company's earnings report in his testimony. As stated in his testimony, the calculation will be updated in the supplemental September 1, 2013 DAC filing.

Q. Please explain the ISR reconciliation included in this filing.

A. The reconciliation mechanism associated with the ISR factors is designed to reconcile the FY 2013 revenue requirement on actual cumulative capital investment covered by the ISR Plan. Mr. Richer presents the FY 2013 revenue requirement on actual cumulative capital investment in his testimony along with an explanation of its calculation. In addition, this ISR reconciliation includes a reconciliation of the FY 2012 reconciliation amount to ensure the net amount to be recovered from customers as a result of the prior ISR reconciliation was reflected on customers' bills and to capture any over or under billing of that amount. The ISR reconciliation in Schedule MCS-9 results in a net over collection of $104,147. To derive the ISR reconciliation factor per rate class, the Company allocated the FY 2013 revenue requirement on actual cumulative capital investment to rate classes based on the rate base allocation in the Company's 2012 Rate Case, and compared the FY 2013 revenue requirement to billed ISR factor revenue by rate class to arrive at the over or under recovery of ISR

investment by rate class in accordance with the Company's tariff. The Company then divided the total under recovery for each rate class by the forecasted throughput for each rate class. Schedule MCS-9 shows the ISR reconciliation factors per rate class.

IV. DAC Reconciliation

Q. Please describe the reconciliation component of the DAC.

A. The reconciliation component of the DAC allows for the reconciliation of the actual costs approved to be recovered in the DAC and revenues billed through the DAC, along with a true-up to projected costs used to calculate the DAC factors. In this filing, the individual items that are being reconciled fall into one of three general groupings which are rate class specific - those associated with the reconciliation of factors that are related to all rate classes, those associated with the reconciliation of factors that are specific to the Residential, Small and Medium C&I rate classes, and those that are associated to the reconciliation of factors related solely to the Large and Extra Large rate classes.

A summary of the various items being reconciled is shown on Schedule MCS-7, page 1, Sections 1, 2, and 3.

Q. Please describe the reconciliation component applicable to all rate classes.

A. The items applicable to all rate classes include those that are being reconciled on the basis of the gas year, from November 2012 through October 2013. They include a: (1) System Pressure reconciliation[9], (2) Environmental reconciliation, (3) On-System Margin Credits reconciliation, (4) Capital Tracker and ARP reconciliations, (5) a Pension reconciliation, (6) a PBOP reconciliation, (7) a SQP reconciliation, and 8) prior reconciliation factors. Each component reconciles the amounts approved for recovery or refund and actual revenues through June 2013 and forecasted revenue through October 2013[10]. In addition, a true up amount representing the difference between the forecast and the actual for October 2012 and October 2011[11] is reflected in the reconciliation factor, as well as the interest on the AGT fund balance as described in detail later in my testimony.

The Company derives the reconciliation factor applicable to all rate classes by adding the ending balances of these components at the end of the 12-month period ending October 2013, or $1,363,187, adding in the true up amounts of $140,993 and the AGT interest of ($21,597), and dividing that total by the forecasted throughput for the November 1, 2013 through October 31, 2014 period, or

[9] The System Pressure reconciliation has been calculated according to the DAC Settlement of Issues, Docket 4339. The detailed schedule summarizing the derivation will be part of the GCR filing on September 1, 2013.
[10] Factors reconciled based on the gas year can also include the ESM factor and AGT factor, when applicable.
[11] This year's true up also includes $46,754 of under recoveries based on last year's true up credit which are described later in this testimony.

38,500,653 dths. This result is then divided by 10 to derive a $0.0038/therm factor for the 12-month period beginning November 1, 2013. A summary of the various items being reconciled which are applicable to all rate classes is shown on Schedule MCS-7, page 1, Section 1 while the details are set forth in pages 2-4 and 9-10. It is worth noting that the reconciliation factor applicable to all rate classes will be added to the factor applicable to the Large and Extra Large rate class customers' reconciliation to derive two distinct reconciliation factors.

Q. Please describe the reconciliation component applicable to the Residential, Small and Medium Rate classes only.

A. Beginning this year, the reconciliation of the RDM reconciliation factor applicable to the Residential, Small and Medium C&I customers resulted in a separate reconciliation DAC factor. This factor was derived by taking the RDM reconciliation ending balance of $676,093 at the end of the 12-month period as shown in Schedule MCS-7, page 6, Column (l) at 13, and dividing that total by the forecasted throughput for the Residential, Small and Medium C&I customers of 26,725,365 dths. This factor was then divided by 10 to derive a $0.0025/therm factor. The summary of this derivation is shown on Schedule MCS-7, page 1, Section 2.

Q. Please describe the reconciliation component applicable to the Large and Extra-Large Rate classes.

A. This year the Large and Extra Large reconciliation factor includes: (1) the prior reconciliation factor applicable to the Large and Extra Large rate classes, and (2) the reconciliation of the base rate allowances that are subject to reconciliation in the DAC: AGT, Environmental, and the LIAP program for the July 2012 through March 2013 period[12]. For Residential, Small, and Medium C&I customers, the reconciliation of these base rate allowances for AGT, LIAP, and Environmental funding to billed volumes and associated revenue is done as part of the RDA reconciliation where actual revenue is reconciled to targets that include these base rate allowances. Therefore, the recoveries for the base rate components for AGT, Environmental, and LIAP only need to be separately reconciled for the Large and Extra-Large rate classes which are excluded from the Company's RDA.

The base rate allowances for these programs borne by Large and Extra-Large classes were calculated by multiplying these customers' total projected usage[13] by their allowed factor rates which are calculated by dividing the total annual base rate allowances approved by the Commission for each program by the forecasted

[12] Pursuant to RIPUC NG-Gas No. 101, Section 3, Schedule A, the reconciliation period is a nine-month stub period.

[13] The nine month proration was derived using the forecasted throughput from the 2008 Rate Case for the July through January period and the throughput associated with the 2012 Rate Case for February and March 2013.

throughput, to obtain the forecasted monthly revenue. Because this period was a stub period covering nine months instead of 12 months, the nine-month forecasted monthly revenue was added to reflect the target revenue for the Large and Extra Large rate classes. For example, for the LIAP funding of $1,785,000 included in base rates, the Company calculated the forecasted revenue associated with the Large and Extra-Large for the nine-month prorated period as $385,004. The reconciliation accounts for any differences in recoveries from these two classes of customers during the period July 2012 through March 2013 and the $385,004 target revenue plus interest based on the timing of recoveries. Similarly, the AGT fund and Environmental allowances are reconciled in a similar manner using the appropriate base rate allowances, $300,000 for AGT funding, with the nine-month target revenue of $64,707 calculated by adding nine-months of forecasted monthly revenue for the July 2012 through March 2013 period, and $1,310,000 for Environmental, with the nine-month target revenue of $282,554 for the period July 2012 through March 2013 calculated by adding nine-months of forecasted monthly revenue, plus interest based on the timing of recoveries.

The reconciliation of these four components for the Large and Extra large rate classes resulted in a reconciliation DAC factor of ($0.0002) per therm that applies to Large and Extra-Large customers only. This factor was calculated by taking the ending balances of the base rate allowances at the end of the nine-month

period stated above, which is a credit balance of $26,219, and reducing it by the balance of the Reconciliation factor associated with the previous reconciliation for these rate classes, which is an under recovery of $160, and dividing the net amount by the forecasted throughput of 11,775,289 dths associated with the Large and Extra-Large customers. Finally, this factor was added to the Reconciliation factor applicable to all rate classes as described earlier in my testimony to derive a Reconciliation factor applicable to the Large and Extra Large rate classes of $0.0034 per therm for the 12-month period beginning November 1, 2013. A summary of these items is shown on Attachment MCS-7, page 1, Section 3, while the details are set forth in pages 3 at 45 and 5.

The Company will be updating the ending balances with one more month of actual revenue for each of these reconciliation items in its September 1, 2013 supplemental DAC filing.

Q. Please explain any other items that are part of the reconciliation factor of the DAC.

A. In Docket No. 4339, the 2012 DAC proceeding, the Company included a true up credit of $23,377 calculated as the difference between the forecast and the actual revenue for the month of October 2011. However, the true up amount should have been surcharged for the same amount. As a result, the Company under

recovered $46,754[14] and it is seeking recovery of this amount (shown in Schedule MCS-7 page 10) as part of this year's DAC.

Q. Please describe the basis of the forecast utilized in the preliminary DAC.

A. The preliminary DAC calculations are based on the current projected throughput of 38,500,653 dths for the November 1, 2013 to October 31, 2014 period. This forecast will also be used in the Company's GCR filing.

Q. What are the preliminary DAC factors?

A. The Company presents the preliminary DAC factors in Schedule MCS-1. The Company developed more than one overall DAC factor to account for the RDA and ISR factors. First, as explained earlier in my testimony, a DAC factor was developed for the Residential, Small and Medium C&I classes to accommodate the inclusion of the RDA factor (see Schedule MCS-1, Section 1). In addition, a separate factor was developed to accommodate the reconciliation of the base rate related items - AGT, LIAP, and Environmental - which are specific to the Large and Extra Large rate classes, as discussed above. These factors are combined with the ISR reconciliation factors and the prior Reconciliation applicable to all rate classes. The DAC factors requested for approval in this docket are also

[14] The issuance of a credit of $23,376 instead of a surcharge causes a variance of twice the error, or $46,754.

added to the ISR factors approved in Docket No. 4380 to establish new DAC factors per rate class (see Schedule MCS-1, Section 2).

Q. Does this conclude your testimony?

A. Yes. This testimony will be supplemented on September 1, 2013 with additional data, proposed DAC factors incorporating factors for all DAC components, and a customer bill impact analysis which will reflect changes as a result of the proposed DAC factors.

Schedules of
Mariella C. Smith

Schedules of Mariella C. Smith

Schedule MCS-1 Summary of DAC Factors

Schedule MCS-2 System Pressure Factor

Schedule MCS-3 Advanced Gas Technology Program Factor

Schedule MCS-4 Environmental Response Cost Factor

Schedule MCS-5 Pensions and Post Retirement Benefits Factor

Schedule MCS-6 On-System Margin Credits Factor

Schedule MCS-7 Reconciliation Factors

Schedule MCS-8 Revenue Decoupling Adjustment Factor

Schedule MCS-9 ISR Reconciliation Factors

Schedule
MCS-1

Schedule MCS-1
Summary of DAC Factors

National Grid - RI Gas
Summary of DAC Factors
Effective November 1, 2013

Section 1: DAC factor (not including annual ISR component) November 1, 2013 - October 31, 2014

Line No.	Description	Reference	Factor		
			Residential/ Small/ Medium C&I	**Large/ X-Large**	
1	System Pressure (SP)	MCS-2	$0.0000	$0.0000	
2	Advanced Gas Technology Program (AGT)	MCS-3	$0.0000	$0.0000	
3	Low Income Assistance Program (LIAP)				
4	Environmental Response Cost Factor (ERCF)	MCS-4	$0.0001	$0.0001	
5	Pension Adjustment Factor (PAF)	MCS-5	$0.0018	$0.0018	
6	On-System Margin Credits (MC)	MCS-6	($0.0012)	($0.0012)	
7	Reconciliation Factor (R)	MCS-7	$0.0038	$0.0036	
8	Service Quality Factor (SQP)				
9	Earnings Sharing Mechanism (ESM)				
10	Subtotal	Sum ([1]:[9])	$0.0045	$0.0043	
11	Uncollectible Percentage	Dkt 4323	3.18%	3.18%	
12	DAC factors grossed up for uncollectible	[10]/(1-[11])	$0.0046	$0.0044	per therm
13	Revenue Decoupling Adjustment (RDA)	MCS-8	$0.0280	$0.0000	
14	Revenue Decoupling Adjustment Reconciliation	MCS-7	$0.0025	$0.0000	
15	DAC factor	[12]+[13]+[14]	**$0.0351**	**$0.0044**	**per therm**

Section 2: DAC factors including annual ISR component

Line No.		ISR Reconciliation w/o uncollectible[1] (therms)	Uncollectible Percentage[2]	ISR Reconciliation* (therms) (A)	Base DAC Component*[3] (therms) (B)	DAC Component Subtotal Rates* (therms) (C) =(A) + (B)	ISR Component*[4] (therms) (D)	November 1, 2013 DAC Rates* (therms) (E) = (C)+(D)
16	Res-NH	($0.0241)	3.18%	($0.0249)	$0.0351	$0.0102	$0.0045	$0.0147
17	Res-NH-LI	($0.0241)	3.18%	($0.0249)	$0.0351	$0.0102	$0.0045	$0.0147
18	Res-H	$0.0000	3.18%	$0.0000	$0.0351	$0.0351	$0.0024	$0.0375
19	Res-H-LI	$0.0000	3.18%	$0.0000	$0.0351	$0.0351	$0.0024	$0.0375
20	Small	$0.0016	3.18%	$0.0017	$0.0351	$0.0368	$0.0024	$0.0392
21	Medium	$0.0010	3.18%	$0.0010	$0.0351	$0.0361	$0.0018	$0.0379
22	Large LL	$0.0001	3.18%	$0.0001	$0.0044	$0.0045	$0.0014	$0.0059
23	Large HL	$0.0016	3.18%	$0.0017	$0.0044	$0.0061	$0.0018	$0.0079
24	XL-LL	($0.0017)	3.18%	($0.0018)	$0.0044	$0.0026	$0.0005	$0.0031
25	XL-HL	($0.0002)	3.18%	($0.0002)	$0.0044	$0.0042	$0.0005	$0.0047

***Factors Include Uncollectible Allowance**

[1] MCS-9
[2] Per Docket No. 4323
[3] Section 1, Line 15
[4] FY 14 ISR component per Docket 4380

Schedule
MCS-2

Schedule MCS-2
System Pressure Factor

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Schedule
MCS-3

Schedule MCS-3
Advanced Gas Technology Program Factor

National Grid - RI Gas
AGT Factor
Effective November 1, 2013

Line No.	Description		
1	AGT collected through DAC	$0	
2	Firm Throughput	38,500,653	dth
3	AGT Factor	$0.0000	per dth
4	AGT Factor	**$0.0000**	**per therm**

2 Company Forecast
3 [4]* [10]
4 [1] / [2] / [10]

National Grid - RI Gas
AGT Account Balance and Interest Calculation

Line No.		Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	9 month-end
		31	31	30	31	30	31	31	28	31	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Beginning Balance	**$2,222,919**	$2,232,841	$2,241,895	$2,252,217	$2,263,406	$2,283,926	$2,320,944	$2,365,789	$2,417,248	
2	Rebate Disbursements	$0	$0	$0	$0	$0	$0	$0	$0	$0	
3	Other Disbursements	$0	$0	$0	$0	$0	$0	$0	$0	$0	
4	Sub-total Disbursements	$0	$0	$0	$0	$0	$0	$0	$0	$0	
5	Forecasted Throughput (dth)	1,228,932	1,116,710	1,251,878	1,432,743	2,498,337	4,210,421	5,395,248	5,765,550	5,359,362	
6	Base Rates Revenue										
7	Actual L/XL Revenue	$3,901	$4,012	$4,446	$4,347	$6,495	$10,964	$10,203	$13,614	$9,041	$67,023
8	Forecasted Res H, NH, Small & Medium C&I Classes	$6,021	$5,042	$5,876	$6,842	$14,025	$26,054	$34,641	$37,846	$35,013	$171,361
9	Total Revenue	$9,922	$9,054	$10,322	$11,189	$20,520	$37,018	$44,844	$51,460	$44,054	$238,384
10	Ending Balance	$2,232,841	$2,241,895	$2,252,217	$2,263,406	$2,283,926	$2,320,944	$2,365,789	$2,417,248	**$2,461,303**	
	Interest Calculation										
11	Month's Average Balance	$2,227,880	$2,237,368	$2,247,056	$2,257,812	$2,273,666	$2,302,435	$2,343,367	$2,391,519	$2,439,275	
12	Bk America Rate less 200 Basis Points	1.250%	1.250%	1.250%	1.250%	1.250%	1.250%	1.250%	1.250%	1.250%	
13	Calculated Interest (not applied to balance)	$2,365	$2,375	$2,309	$2,397	$2,336	$2,444	$2,488	$2,293	$2,590	$21,597

1 Column (a) Ending Balance per Docket No. 4339, MCS-3R, Page 2 of 2
4 Lines (2) + Line (3)
5 Column (a) thru (g) reflect Docket No. 3943 forecast; Column (h) thru (i) reflect rate year forecast as presented in Docket No. 4323
8 Actual revenue for these rate classes are reconciled through the Revenue Decoupling Mechanism (RDM)
9 Lines (7) + (8)
10 Line [[(1) -(4)] + (9)]
11 Lines ((1)+(10)) / 2
12 Per RIPUC NG-Gas No. 101, Section 3, Schedule A
13 Column (j), Total interest refunded to customers at MCS-7, Page 1, line 11 per Docket No. 4339 Settlement of Issues

Schedule
MCS-4

Schedule MCS-4
Environmental Response Cost Factor

National Grid - RI Gas
Environmental Response Cost (ERC) Factor
Effective November 1, 2013

Line No.	Description	Schedule / Page	Column / Line	Amount	
1	Amortization of Pre-FY2003 expenses	MCS-4, Pg 2	Col Q, Ln 3	$0	
2	Amortization of FY2003 expenses	MCS-4, Pg 2	Col Q, Ln 6	$0	
3	Amortization of FY2004 expenses - year 10 of 10	MCS-4, Pg 2	Col Q, Ln 9	($47,296)	
4	Amortization of FY2005 expenses - year 9 of 10	MCS-4, Pg 2	Col Q, Ln 12	$13,671	
5	Amortization of FY2006 expenses - year 8 of 10	MCS-4, Pg 2	Col Q, Ln 15	$43,602	
6	Amortization of FY2007 expenses - year 7 of 10	MCS-4, Pg 2	Col Q, Ln 18	($75,829)	
7	Amortization of FY2008 expenses - year 6 of 10	MCS-4, Pg 2	Col Q, Ln 21	($4,575)	
8	Amortization of FY2009 expenses - year 5 of 10	MCS-4, Pg 2	Col Q, Ln 24	$96,575	
9	Amortization of FY2010 expenses - year 4 of 10	MCS-4, Pg 2	Col Q, Ln 27	$208,826	
10	Amortization of FY2011 expenses - year 3 of 10	MCS-4, Pg 2	Col Q, Ln 30	$452,295	
11	Amortization of FY2012 expenses - year 2 of 10	MCS-4, Pg 2	Col Q, Ln 33	$558,394	
12	Amortization of FY2012 expenses - year 1 of 10	MCS-4, Pg 2	Col Q, Ln 36	$136,852	
13			Subtotal	$1,382,515	
14	Base Rate Embedded ERC Funding			$1,310,000	
15	Net Requirement			$72,515	
16	Firm Throughput			38,500,653	dths
17	Environmental Response Cost Factor per decatherm			$0.0010	per dth
18	Environmental Response Cost Factor per therm			**$0.0001**	**per therm**

13 Sum ([1]:[12])
14 Docket No. 3401
15 [13] - [14]
16 Company Forecast
17 [18] * 10
18 [15] / [16] / 10

National Grid - RI Gas
Environmental Response Cost (ERC) Factor
ERC Amortization Schedule

Line No.			FY2002 (a)	FY2003 (a)	FY2004 (b)	FY2005 (c)	FY2006 (d)	FY2007 (e)	FY2008 (f)	FY2009 (g)	FY2010 (h)	FY2011 (i)	FY2012 (j)	FY2013 (k)	FY2014 (l)
	ENVIRONMENTAL AMORTIZATION														
1	June 30, 2002														
2	NET ERC costs net of insurance	$12,510,252													
3	Amortization Period (years)	10		$1,251,025	$1,251,025	$1,251,025	$1,251,025	$1,251,025	$1,251,025	$1,251,025	$1,251,025	$1,251,025	$1,251,027	$0	
4	FY 2003														
5	NET ERC costs net of insurance	($6,012,673)													
6	Amortization Period (years)	10			($601,267)	($601,267)	($601,267)	($601,267)	($601,267)	($601,267)	($601,267)	($601,267)	($601,267)	($601,270)	$0
7	FY 2004														
8	NET ERC costs net of insurance	($472,960)													
9	Amortization Period (years)	10				($47,296)	($47,296)	($47,296)	($47,296)	($47,296)	($47,296)	($47,296)	($47,296)	($47,296)	($47,296)
10	FY 2005														
11	NET ERC costs net of insurance	$136,707													
12	Amortization Period (years)	10					$13,671	$13,671	$13,671	$13,671	$13,671	$13,671	$13,671	$13,671	$13,671
13	FY 2006														
14	NET ERC costs net of insurance	$436,020													
15	Amortization Period (years)	10						$43,602	$43,602	$43,602	$43,602	$43,602	$43,602	$43,602	$43,602
16	FY 2007														
17	NET ERC costs net of insurance	($758,291)													
18	Amortization Period (years)	10							($75,829)	($75,829)	($75,829)	($75,829)	($75,829)	($75,829)	($75,829)
19	FY 2008 & adjustment for FY2007														
20	NET ERC costs net of insurance	($45,755)													
21	Amortization Period (years)	10								($4,575)	($4,575)	($4,575)	($4,575)	($4,575)	($4,575)
22	FY 2009														
23	NET ERC costs net of insurance	$965,754													
24	Amortization Period (years)	10									$96,575	$96,575	$96,575	$96,575	$96,575
25	FY 2010														
26	NET ERC costs net of insurance	$2,088,264													
27	Amortization Period (years)	10										$208,826	$208,826	$208,826	$208,826
28	FY 2011														
29	NET ERC costs net of insurance	$4,522,947													
30	Amortization Period (years)	10											$452,295	$452,295	$452,295
31	FY 2012														
32	NET ERC costs net of insurance	$5,583,936													
33	Amortization Period (years)	10												$558,394	$558,394
34	FY 2013														
35	NET ERC costs net of insurance	$1,368,521													
36	Amortization Period (years)	10													$136,852
37	Amortization Expense sub-total		$0	$1,251,025	$649,758	$602,462	$616,133	$659,735	$583,906	$579,331	$675,906	$884,732	$1,337,029	$644,393	$1,382,515
38	ENVIRONMENTAL REMEDIATION COSTS														
39	Beginning Balance		$12,510,252	$12,510,252	$6,497,579	$6,024,619	$6,161,326	$6,597,346	$5,839,055	$5,793,300	$6,759,054	$8,847,318	$13,370,265	$18,954,201	$20,322,722
40	Environmental Expenditures, net of Insurance			($6,012,673)	($472,960)	$136,707	$436,020	($758,291)	($45,755)	$965,754	$2,088,264	$4,522,947	$5,583,936	$1,368,521	$0
41	Ending Balance		$12,510,252	$6,497,579	$6,024,619	$6,161,326	$6,597,346	$5,839,055	$5,793,300	$6,759,054	$8,847,318	$13,370,265	$18,954,201	$20,322,722	$20,322,722
42	ACCUMULATED ENVIRONMENTAL REMEDIATION														
43	Beginning Balance		$0	$0	$1,251,025	$1,900,783	$2,503,245	$3,119,378	$3,779,113	$4,363,019	$4,942,350	$5,618,256	$6,502,988	$7,840,017	$8,484,410
44	Amortization Expense (1)		$0	$1,251,025	$649,758	$602,462	$616,133	$659,735	$583,906	$579,331	$675,906	$884,732	$1,337,029	$644,393	$1,382,515
45	Ending Balance		$0	$1,251,025	$1,900,783	$2,503,245	$3,119,378	$3,779,113	$4,363,019	$4,942,350	$5,618,256	$6,502,988	$7,840,017	$8,484,410	$9,866,925
46	NET ENVIRONMENTAL REMEDIATION COSTS		$12,510,252	$5,246,554	$4,123,836	$3,658,081	$3,477,968	$2,059,942	$1,430,281	$1,816,704	$3,229,062	$6,867,277	$11,114,184	$11,838,312	$10,455,797

(1) Amortization Expense is shown on a June 30 basis

Line No.			FY2015 (m)	FY2016 (n)	FY2017 (o)	FY2018 (p)	FY2019 (q)	FY2020 (r)	FY2021 (s)	FY2022 (t)	FY2023 (u)	
	ENVIRONMENTAL AMORTIZATION											
1	June 30, 2002											
2	NET ERC costs net of insurance	$12,510,252										
3	Amortization Period (years)	10										
4	FY 2003											
5	NET ERC costs net of insurance	($6,012,673)										
6	Amortization Period (years)	10										
7	FY 2004											
8	NET ERC costs net of insurance	($472,960)										
9	Amortization Period (years)	10	$0									
10	FY 2005											
11	NET ERC costs net of insurance	$136,707										
12	Amortization Period (years)	10	$13,668	$0								
13	FY 2006											
14	NET ERC costs net of insurance	$436,020										
15	Amortization Period (years)	10	$43,602	$43,602	$0							
16	FY 2007											
17	NET ERC costs net of insurance	($758,291)										
18	Amortization Period (years)	10	($75,829)	($75,829)	($75,830)	$0						
19	FY 2008 & adjustment for FY2007											
20	NET ERC costs net of insurance	($45,755)										
21	Amortization Period (years)	10	($4,575)	($4,575)	($4,575)	($4,580)	$0					
22	FY 2009											
23	NET ERC costs net of insurance	$965,754										
24	Amortization Period (years)	10	$96,575	$96,575	$96,575	$96,575	$96,575	$0				
25	FY 2010											
26	NET ERC costs net of insurance	$2,088,264										
27	Amortization Period (years)	10	$208,826	$208,826	$208,826	$208,826	$208,826	$208,826	$0			
28	FY 2011											
29	NET ERC costs net of insurance	$4,522,947										
30	Amortization Period (years)	10	$452,295	$452,295	$452,295	$452,295	$452,295	$452,295	$452,295	$0		
31	FY 2012											
32	NET ERC costs net of insurance	$5,583,936										
33	Amortization Period (years)	10	$558,394	$558,394	$558,394	$558,394	$558,394	$558,394	$558,394	$558,394	$0	
34	FY 2013											
35	NET ERC costs net of insurance	$1,368,521										
36	Amortization Period (years)	10	$136,852	$136,852	$136,852	$136,852	$136,852	$136,852	$136,852	$136,852	$136,852	$0
37	Amortization Expense sub-total		$1,429,808	$1,416,140	$1,372,537	$1,448,362	$1,452,942	$1,356,367	$1,147,541	$695,246	$136,852	$0
38	ENVIRONMENTAL REMEDIATION COSTS											
39	Beginning Balance		$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722
40	Environmental Expenditures, net of Insurance		$0	$0	$0	$0	$0	$0	$0	$0	$0	$1
41	Ending Balance		$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,722	$20,322,723
42	ACCUMULATED ENVIRONMENTAL REMEDIATI											
43	Beginning Balance		$9,866,925	$11,296,733	$12,712,873	$14,085,410	$15,533,772	$16,986,714	$18,343,081	$19,490,622	$20,185,868	$20,322,720
44	Amortization Expense (1)		$1,429,808	$1,416,140	$1,372,537	$1,448,362	$1,452,942	$1,356,367	$1,147,541	$695,246	$136,852	$0
45	Ending Balance		$11,296,733	$12,712,873	$14,085,410	$15,533,772	$16,986,714	$18,343,081	$19,490,622	$20,185,868	$20,322,720	$20,322,720
46	NET ENVIRONMENTAL REMEDIATION COSTS		$9,025,989	$7,609,849	$6,237,312	$4,788,949	$3,336,007	$1,979,640	$832,099	$136,853	$1	$2

(1) Amortization Expense is shown on a June 30 basis

National Grid - RI Gas
Environmental Response Cost (ERC) Factor
ERC FY 2013 Detail

Line No.			Total Costs ending 06/30/2012 (a)	FY 2013 Costs Ending 03/31/2013 (b)	Total Costs ending 03/31/2013 (c) = (a) + (b)
1	Environmental Expenses				
2	907 & 908	Allens Avenue	$19,037,470	$329,478	$19,366,948
3	307	PCB Reg Pipe Abandon.	$665,347	$82,656	$748,003
4	379	Petroleum Site	$6,055,714	$374,298	$6,430,012
5	700	18 & 21 Holders COR	$2,776,743	$0	$2,776,743
6	161	Canal Street, Westerly	$29,133	$0	$29,133
7	178	Site Inv Connell Hwy Newp	$44,092	$0	$44,092
8	144	Westerly Soil Investigation	$82,184	$0	$82,184
9	171	Contaminated Regulators	$2,874,921	$74,526	$2,949,447
10	781	Mendon Road	$121,355	$0	$121,355
11	782	Tidewater	$1,200,459	$67,292	$1,267,751
12	783	Hamlet	$111,105	$0	$111,105
13	--	Thames & Wellington	$4,838,697	$217,992	$5,056,689
14	--	Misc MGP (NEG)	$185,971	$46,001	$231,971
15	--	Insurance Recovery	$995,439	$45,464	$1,040,903
16	--	East Providence (First Ave) Holder	$720	$130,813	$131,533
17		Sub-Total	$39,019,349	$1,368,521	$40,387,869
18	Insurance Recovery/Settlement				
19	910	Environmental Insurance Settlement		$0	
20	Net FY2013 Environmental Response Costs			$1,368,521	

17 Sum [2] : [16]
20 Sum [17] + [19]

Schedule
MCS-5

Schedule MCS-5
Pensions and Post Retirement Benefits Factor

National Grid - RI Gas
Pension Adjustment Factors
Effective November 1, 2013

Line No.	**Pension Factor**		
1	Pension Reconciliation	$1,584,732	
2	Carrying Charges	$0	
3	Firm Throughput	38,500,653	dth
4	Pension Factor per dth	$0.0410	per dth
5	Pension Factor per therm	$0.0041	per therm
	PBOP Factor		
6	PBOP Reconciliation	($641,819)	
7	Carrying Charges	($253,631)	
8	Firm Throughput	38,500,653	
9	PBOP Factor per dth	($0.0230)	per dth
10	PBOP Factor per therm	($0.0023)	per therm
	Pension & PBOP Factor Combined		
11	Pension & PBOP Factor per dth	$0.0180	per dth
12	Pension & PBOP Factor per therm	**$0.0018**	**per therm**

1 WRR-1, Page 1, Line 14
2 WRR-1, Page 1, Line 16
3,8 Company Forecast
4 [5] * 10
5 ([1]+ [2])/[3] / 10
6 WRR-1, Page 2, Line 14
7 WRR-1, Page 2, Line 16
9 [10] * 10
10 ([6]+ [7])/[8] / 10
11 [4] + [9]
12 [5] + [10]

Schedule
MCS-6

Schedule MCS-6
On-System Margin Credits Factor

National Grid - RI Gas
On-System Margin Factor
Effective November 1, 2013

Line No.			
1	Total Dual Fuel margin	$2,404,728	
2	Threshold	$1,942,667	
3	Margin in excess of Threshold	($462,061)	
4	Firm Throughput	38,500,653	dth
5	On-System Margin Credit per dth	($0.0120)	per dth
6	On-System Margin Credit per therm	**($0.0012)**	**per therm**

1 Page 2, Col (l), Ln 5
2 Dkt 3943 / 4323
3 Page 2, Col (l), Ln 7
4 Company forecast
5 [6] * 10
6 [3] / [4] / 10

National Grid - RI Gas
On-System Margin Calculation

Line No.		Dual-fuel (Firm and Non-firm) Jul-12 (a)	Aug-12 (b)	Sep-12 (c)	Oct-12 (d)	Nov-12 (e)	Dec-12 (f)	Jan-13 (g)	Total Jul 12-Jan 13 (h)	Non-firm Feb-13 (i)	Mar-13 (j)	Total Feb 13-Mar 13 (k)	TOTAL July 12- Mar 13 (l)
1	Total Usage (dth)	276,605	265,465	250,030	258,541	338,313	395,766	355,450	2,140,171	182,952	199,559	382,511	
2	Total Revenue	$485,456	$440,083	$464,927	$490,562	$756,386	$959,506	$869,772	$4,466,693	$512,053	$479,130	$991,183	
3	Total Revenue subject to Margin Sharing	$354,373	$345,103	$336,943	$364,973	$590,840	$751,539	$670,097	$3,413,868	$421,612	$379,325	$800,936	
4	Total Gas Costs	$79,527	$70,299	$72,515	$86,172	$263,868	$413,795	$361,958	$1,348,135	$254,624	$207,318	$461,942	
5	Total Margin	$274,847	$274,804	$264,427	$278,801	$326,973	$337,744	$308,138	$2,065,733	$166,988	$172,006	$338,994	$2,404,728
6	Threshold								$1,642,667			$300,000	$1,942,667
7	Margin in excess of Threshold								$423,067			$38,994	$462,061

1 Column (a) to (g): Page 3, Line 1 + Page 4, Line 1. Column (h) to (i): Page 4, Line 1.
2 Column (a) to (g): Page 3, Line 2 + Page 4, Line 2. Column (h) to (i): Page 4, Line 2.
3 Column (a) to (g): Page 3, Line 3 + Page 4, Line 3. Column (h) to (i): Page 4, Line 3.
4 Column (a) to (g): Page 3, Line 4 + Page 4, Line 4. Column (h) to (i): Page 4, Line 4.
5 Column (a) to (g): Page 3, Line 5 + Page 4, Line 5. Column (h) to (i): Page 4, Line 5.
6 Column (h) July 12- Jan 13, 7-month proration of $2,816,000 (prior) annual target.
Column (k) July 12- Jan 13, 2-month proration of $1,800,000 (current) annual target.
Column (l) = Sum Column (h) + Column (k)

National Grid - RI Gas
Margin Threshold Calculation (Firm)

Line No.		Jul-12 (a)	Aug-12 (b)	Sep-12 (c)	Oct-12 (d)	Nov-12 (e)	Dec-12 (f)	Jan-13 (g)	Total Jul 12-Jan 13 (h)
1	Firm Usage (dth)	96,982	100,838	105,768	90,222	119,191	193,624	220,991	927,617
2	Firm Revenue	$261,308	$252,097	$260,804	$245,044	$335,211	$456,578	$510,683	$2,321,725
3	Firm Revenue subject to Margin Sharing	$195,816	$188,113	$193,180	$189,678	$263,667	$340,064	$376,894	$1,747,412
4	Firm Gas Costs	$38,003	$29,595	$33,099	$32,423	$94,919	$149,871	$169,974	$547,884
5	Firm Margin	$157,813	$158,518	$160,081	$157,254	$168,748	$190,193	$206,921	$1,199,529

1 Page 8, column (g), total/10
2 Page 8, column (q), total
3 Page 8, column (r), total
4 Page 8, column (t), total
5 Page 8, column (u), total

National Grid - RI Gas
Margin Threshold Calculation (Non-firm)

Line No.		Jul-12 (a)	Aug-12 (b)	Sep-12 (c)	Oct-12 (d)	Nov-12 (e)	Dec-12 (f)	Jan-13 (g)	Feb-13 (h)	Mar-13 (i)	Total Jul 12-Mar 13 (j)
1	Non-firm Usage (dth)	179,623	164,627	144,262	168,319	219,121	202,142	134,459	182,952	199,559	1,595,065
2	Non-firm Revenue	$224,148	$187,986	$204,122	$245,519	$421,176	$502,928	$359,089	$512,053	$479,130	$3,136,151
3	Non-firm Revenue subject to Margin Shar	$158,557	$156,990	$143,762	$175,295	$327,173	$411,475	$293,202	$421,612	$379,325	$2,467,392
4	Non-firm Gas Costs	$41,523	$40,704	$39,416	$53,749	$168,949	$263,924	$191,985	$254,624	$207,318	$1,262,193
5	Non-firm Margin	$117,034	$116,286	$104,346	$121,546	$158,224	$147,551	$101,218	$166,988	$172,006	$1,205,199

1 Page 11, column (f), total/10
2 Page 11, column (p), total
3 Page 11, column (q), total
4 Page 11, column (s), total
5 Page 11, column (t), total

National Grid - RI Gas
On-System Margin Details (Firm)

Assigned #	Month Charges Apply To	Banner Bill Date mo/yr	Sales or Trans	Demand Charge	Customer Charge	Usage (therms)	Commodity Charge	Commodity Rate (per therm)	Distribution Charge	Distribution Rate (per therm)	Sales Tax	GET	Energy Efficiency Surcharge	Other Charges	DAC	Total Revenue	Revenue subject to Margin Sharing	Gas Cost per Dth	Total Gas Cost	Total Margin
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
2	Jul-12	Jul-12	Trans	$ 2,820	$ 300	37,135	N/A		$ 995	$ 0.2680	$ 429	$ 184	$ 1,426	$ 1	$ 405	$ 6,560	$ 4,115	$ -	$ -	$ 4,115
2	Aug-12	Aug-12	Trans	$ 2,820	$ 300	62,130	N/A		$ 1,665	$ 0.0268	$ 566	$ 243	$ 2,386	$ 1	$ 677	$ 8,658	$ 4,785	$ -	$ -	$ 4,785
2	Sep-12	Sep-12	Trans	$ 2,820	$ 300	64,217	N/A		$ 1,721	$ 0.0268	$ 578	$ 248	$ 2,466	$ 1	$ 700	$ 8,833	$ 4,841	$ -	$ -	$ 4,841
2	Oct-12	Oct-12	Trans	$ 2,820	$ 300	22,972	N/A		$ 616	$ 0.0268	$ 351	$ 151	$ 882	$ 1	$ 250	$ 5,371	$ 3,735	$ -	$ -	$ 3,735
2	Nov-12	Nov-12	Trans	$ 2,820	$ 300	9,908	N/A		$ 266	$ 0.0268	$ 280	$ 120	$ 380	$ 1	$ 108	$ 4,274	$ 3,385	$ -	$ -	$ 3,385
2	Dec-12	Dec-12	Trans	$ 2,414	$ 300	27,783	N/A		$ 745	$ 0.0268	$ 350	$ 150	$ 1,067	$ 1	$ 317	$ 5,343	$ 3,459	$ -	$ -	$ 3,459
2	Jan-13	Jan-13	Trans	$ 2,414	$ 300	35,109	N/A		$ 941	$ 0.0268	$ 390	$ 167	$ 1,348	$ 1	$ 400	$ 5,962	$ 3,655	$ -	$ -	$ 3,655
3	Jan-13	Jan-13	Trans		$ 300	43,288	N/A		$ 1,506	$ 0.0348		$ 6	$ 1,662	$ 1	$ 602	$ 4,077	$ 1,806	$ -	$ -	$ 1,806
4	Jul-12	Jul-12	Trans	$ 927	$ 120	0	N/A		$ -	$ 0.1638			$ -	$ 1	$ -	$ 1,048	$ 1,047	$ -	$ -	$ 1,047
4	Aug-12	Aug-12	Trans	$ 927	$ 120	0	N/A		$ -	$ 0.1638			$ -	$ 1	$ -	$ 1,048	$ 1,047	$ -	$ -	$ 1,047
4	Sep-12	Sep-12	Trans	$ 927	$ 120	0	N/A		$ -	$ 0.1638			$ -	$ 1	$ -	$ 1,048	$ 1,047	$ -	$ -	$ 1,047
4	Oct-12	Oct-12	Trans	$ 927	$ 120	0	N/A		$ -	$ 0.1638			$ -	$ 1	$ -	$ 1,048	$ 1,047	$ -	$ -	$ 1,047
4	Nov-12	Nov-12	Trans	$ 927	$ 120	669	N/A		$ 110	$ 0.1638			$ 26	$ 1	$ 15	$ 1,198	$ 1,156	$ -	$ -	$ 1,156
4	Dec-12	Dec-12	Trans	$ 939	$ 120	12,457	N/A		$ 2,040	$ 0.1638			$ 478	$ 1	$ 300	$ 3,879	$ 3,100	$ -	$ -	$ 3,100
4	Jan-13	Jan-13	Trans	$ 939	$ 120	23,601	N/A		$ 3,866	$ 0.1638			$ 906	$ 1	$ 569	$ 6,401	$ 4,925	$ -	$ -	$ 4,925
7	Jul-12	Jul-12	Trans	$ 1,296	$ 300	20,771	N/A		$ 557	$ 0.0268	$ 229	$ 98	$ 798	$ 42	$ 226	$ 3,546	$ 2,152	$ -	$ -	$ 2,152
7	Aug-12	Aug-12	Trans	$ 1,296	$ 300	18,842	N/A		$ 505	$ 0.0268	$ 219	$ 94	$ 724	$ 1	$ 205	$ 3,343	$ 2,101	$ -	$ -	$ 2,101
7	Sep-12	Sep-12	Trans	$ 1,296	$ 300	19,260	N/A		$ 516	$ 0.0268	$ 221	$ 95	$ 740	$ 1	$ 210	$ 3,378	$ 2,112	$ -	$ -	$ 2,112
7	Oct-12	Oct-12	Trans	$ 1,296	$ 300	15,854	N/A		$ 425	$ 0.0268	$ 202	$ 87	$ 609	$ 1	$ 173	$ 3,092	$ 2,021	$ -	$ -	$ 2,021
7	Nov-12	Nov-12	Trans	$ 1,296	$ 300	16,040	N/A		$ 430	$ 0.0268			$ 616	$ 1	$ 175	$ 2,817	$ 2,026	$ -	$ -	$ 2,026
7	Dec-12	Dec-12	Trans	$ 1,211	$ 300	15,645	N/A		$ 419	$ 0.0268			$ 601	$ 1	$ 178	$ 2,710	$ 1,930	$ -	$ -	$ 1,930
7	Jan-13	Jan-13	Trans	$ 1,211	$ 300	16,403	N/A		$ 440	$ 0.0268			$ 630	$ 1	$ 187	$ 2,768	$ 1,950	$ -	$ -	$ 1,950
10	Jul-12	Jul-12	Trans	$ 540	$ 120	3,735	N/A		$ 334	$ 0.0894		$ 2	$ 143	$ 1	$ 68	$ 1,208	$ 994	$ -	$ -	$ 994
10	Aug-12	Aug-12	Trans	$ 540	$ 120	3,828	N/A		$ 342	$ 0.0894		$ 2	$ 147	$ 1	$ 69	$ 1,222	$ 1,003	$ -	$ -	$ 1,003
10	Sep-12	Sep-12	Trans	$ 540	$ 120	3,617	N/A		$ 323	$ 0.0894		$ 2	$ 139	$ 1	$ 65	$ 1,191	$ 984	$ -	$ -	$ 984
10	Oct-12	Oct-12	Trans	$ 540	$ 120	3,832	N/A		$ 343	$ 0.0894		$ 2	$ 147	$ 1	$ 69	$ 1,222	$ 1,003	$ -	$ -	$ 1,003
10	Nov-12	Nov-12	Trans	$ 540	$ 120	4,709	N/A		$ 421	$ 0.0894		$ 2	$ 181	$ 1	$ 85	$ 1,350	$ 1,081	$ -	$ -	$ 1,081
10	Dec-12	Dec-12	Trans	$ 504	$ 120	7,904	N/A		$ 707	$ 0.0894		$ 3	$ 304	$ 1	$ 155	$ 1,793	$ 1,331	$ -	$ -	$ 1,331
10	Jan-13	Jan-13	Trans	$ 504	$ 120	8,420	N/A		$ 753	$ 0.0894		$ 3	$ 323	$ 1	$ 165	$ 1,869	$ 1,377	$ -	$ -	$ 1,377
12	Jul-12	Jul-12	Trans	$ 6,042	$ 300	67,209	N/A		$ 1,801	$ 0.0268		$ 354	$ 2,581	$ 1	$ 733	$ 11,812	$ 8,143	$ -	$ -	$ 8,143
12	Aug-12	Aug-12	Trans	$ 6,042	$ 300	54,052	N/A		$ 1,449	$ 0.0268		$ 323	$ 2,076	$ 1	$ 589	$ 10,779	$ 7,790	$ -	$ -	$ 7,790
12	Sep-12	Sep-12	Trans	$ 6,042	$ 300	66,802	N/A		$ 1,790	$ 0.0268		$ 353	$ 2,565	$ 1	$ 728	$ 11,780	$ 8,132	$ -	$ -	$ 8,132
12	Oct-12	Oct-12	Trans	$ 6,042	$ 300	53,986	N/A		$ 1,447	$ 0.0268		$ 323	$ 2,073	$ 1	$ 588	$ 10,774	$ 7,789	$ -	$ -	$ 7,789
12	Nov-12	Nov-12	Trans	$ 6,042	$ 300	73,018	N/A		$ 1,957	$ 0.0268		$ 368	$ 2,804	$ 1	$ 796	$ 12,267	$ 8,299	$ -	$ -	$ 8,299
12	Dec-12	Dec-12	Trans	$ 4,866	$ 300	82,597	N/A		$ 2,214	$ 0.0268		$ 355	$ 3,172	$ 1	$ 942	$ 11,849	$ 7,380	$ -	$ -	$ 7,380
12	Jan-13	Jan-13	Trans	$ 4,866	$ 300	76,970	N/A		$ 2,063	$ 0.0268		$ 342	$ 2,956	$ 1	$ 877	$ 11,405	$ 7,229	$ -	$ -	$ 7,229
13	Jul-12	Jul-12	Trans	$ 712	$ 120	0	N/A		$ -	$ 0.1638		$ 26	$ -	$ 16	$ -	$ 875	$ 832	$ -	$ -	$ 832
13	Aug-12	Aug-12	Trans	$ 712	$ 120	0	N/A		$ -	$ 0.1638		$ 26	$ -	$ 1	$ -	$ 859	$ 832	$ -	$ -	$ 832
13	Sep-12	Sep-12	Trans	$ 712	$ 120	0	N/A		$ -	$ 0.1638		$ 26	$ -	$ 12	$ -	$ 870	$ 832	$ -	$ -	$ 832
13	Oct-12	Oct-12	Trans	$ 712	$ 120	33	N/A		$ 5	$ 0.1638		$ 26	$ 1	$ 1	$ 1	$ 867	$ 838	$ -	$ -	$ 838
13	Nov-12	Nov-12	Trans	$ 712	$ 120	1,057	N/A		$ 173	$ 0.1638		$ 33	$ 41	$ 1	$ 24	$ 1,104	$ 1,005	$ -	$ -	$ 1,005
13	Dec-12	Dec-12	Trans	$ 598	$ 120	10,845	N/A		$ 1,776	$ 0.1638		$ 98	$ 416	$ 1	$ 261	$ 3,271	$ 2,495	$ -	$ -	$ 2,495
13	Jan-13	Jan-13	Trans	$ 598	$ 120	14,950	N/A		$ 2,449	$ 0.1638		$ 127	$ 574	$ 1	$ 360	$ 4,229	$ 3,167	$ -	$ -	$ 3,167
18	Jul-12	Jul-12	Trans	$ 4,656	$ 300	45,682	N/A		$ 1,224	$ 0.0268		$ 13	$ 1,754	$ 1	$ 498	$ 8,446	$ 6,180	$ -	$ -	$ 6,180
18	Aug-12	Aug-12	Trans	$ 4,656	$ 300	48,379	N/A		$ 1,297	$ 0.0268		$ 13	$ 1,858	$ 1	$ 527	$ 8,652	$ 6,252	$ -	$ -	$ 6,252
18	Sep-12	Sep-12	Trans	$ 4,656	$ 300	60,824	N/A		$ 1,630	$ 0.0268		$ 15	$ 2,336	$ 1	$ 663	$ 9,600	$ 6,586	$ -	$ -	$ 6,586
18	Oct-12	Oct-12	Trans	$ 4,656	$ 300	39,220	N/A		$ 1,051	$ 0.0268		$ 12	$ 1,506	$ 1	$ 428	$ 7,954	$ 6,007	$ -	$ -	$ 6,007
18	Nov-12	Nov-12	Trans	$ 4,656	$ 300	49,250	N/A		$ 1,320	$ 0.0268		$ 13	$ 1,891	$ 1	$ 537	$ 8,718	$ 6,276	$ -	$ -	$ 6,276
18	Dec-12	Dec-12	Trans	$ 4,319	$ 300	56,733	N/A		$ 1,520	$ 0.0268		$ 14	$ 2,179	$ 1	$ 647	$ 8,979	$ 6,139	$ -	$ -	$ 6,139
18	Jan-13	Jan-13	Trans	$ 4,319	$ 300	44,450	N/A		$ 1,191	$ 0.0268		$ 12	$ 1,707	$ 1	$ 507	$ 8,037	$ 5,810	$ -	$ -	$ 5,810
21	Jul-12	Jul-12	Sales	$ 5,632	$ 300	11	$ 8	$ 0.7464	$ 0	$ 0.0268		$ 184	$ 0	$ 2,977	$ 0	$ 9,102	$ 5,941	$ 7.4640	$ 8	$ 5,933
21	Aug-12	Aug-12	Sales	$ 5,632	$ 300	10	$ 8	$ 0.7464	$ 0	$ 0.0268		$ 184	$ 0	$ 2,256	$ 0	$ 8,381	$ 5,940	$ 7.4640	$ 8	$ 5,933
21	Sep-12	Sep-12	Sales	$ 5,632	$ 300	10	$ 8	$ 0.7464	$ 0	$ 0.0268		$ 184	$ 0	$ 1,710	$ 0	$ 7,835	$ 5,940	$ 7.4640	$ 8	$ 5,933
21	Oct-12	Oct-12	Sales	$ 5,632	$ 300	10	$ 8	$ 0.7464	$ 0	$ 0.0268		$ 184	$ 0	$ 1,114	$ 0	$ 7,238	$ 5,940	$ 7.4640	$ 8	$ 5,933
21	Nov-12	Nov-12	Sales	$ 5,360	$ 300	64,857	$ 44,430	$ 0.6850	$ 1,738	$ 0.0268		$ 1,702	$ 2,491	$ 1	$ 723	$ 56,744	$ 51,828	$ 6.8504	$ 44,430	$ 7,398
21	Dec-12	Dec-12	Sales	$ 5,360	$ 300	117,516	$ 72,778	$ 0.6193	$ 3,149	$ 0.0268		$ 2,704	$ 4,513	$ 1,767	$ 1,340	$ 91,911	$ 81,587	$ 6.1930	$ 72,778	$ 8,810
21	Jan-13	Jan-13	Sales	$ 5,360	$ 300	108,125	$ 66,962	$ 0.6193	$ 2,898	$ 0.0268		$ 2,507	$ 4,309	$ 1,525	$ 1,233	$ 85,094	$ 75,520	$ 6.1930	$ 66,962	$ 8,558
23	Jul-12	Jul-12	Trans	$ 45,121	$ 300	605,762	N/A		$ 16,234	$ 0.0268		$ 2,831	$ 23,261	$ 1	$ 6,603	$ 94,351	$ 61,656	$ -	$ -	$ 61,656
23	Aug-12	Aug-12	Trans	$ 45,121	$ 300	666,205	N/A		$ 17,854	$ 0.0268		$ 2,973	$ 25,582	$ 34	$ 7,262	$ 99,126	$ 63,276	$ -	$ -	$ 63,276
23	Sep-12	Sep-12	Trans	$ 45,121	$ 300	671,227	N/A		$ 17,989	$ 0.0268		$ 2,985	$ 25,775	$ 1,306	$ 7,316	$ 100,792	$ 63,410	$ -	$ -	$ 63,410
23	Oct-12	Oct-12	Trans	$ 45,121	$ 300	584,801	N/A		$ 15,673	$ 0.0268		$ 2,781	$ 22,456	$ 50	$ 6,374	$ 92,756	$ 61,094	$ -	$ -	$ 61,094
23	Nov-12	Nov-12	Trans	$ 45,121	$ 300	420,851	N/A		$ 11,279	$ 0.0268		$ 2,395	$ 16,161	$ 1	$ 4,587	$ 79,844	$ 56,700	$ -	$ -	$ 56,700
23	Dec-12	Dec-12	Trans	$ 44,029	$ 300	633,635	N/A		$ 16,981	$ 0.0268		$ 2,872	$ 24,332	$ 1	$ 7,223	$ 95,739	$ 61,310	$ -	$ -	$ 61,310
23	Jan-13	Jan-13	Trans	$ 44,029	$ 300	718,095	N/A		$ 19,245	$ 0.0268		$ 3,072	$ 27,575	$ 1,210	$ 8,186	$ 103,617	$ 63,574	$ -	$ -	$ 63,574
26	Jul-12	Jul-12	Trans	$ 3,585	$ 300	50,686	N/A		$ 1,358	$ 0.0268		$ 12	$ 1,946	$ 205	$ 552	$ 7,959	$ 5,244	$ -	$ -	$ 5,244
26	Aug-12	Aug-12	Trans	$ 3,585	$ 300	43,887	N/A		$ 1,176	$ 0.0268		$ 11	$ 1,685	$ 1	$ 478	$ 7,237	$ 5,061	$ -	$ -	$ 5,061
26	Sep-12	Sep-12	Trans	$ 3,585	$ 300	50,695	N/A		$ 1,359	$ 0.0268		$ 12	$ 1,947	$ 191	$ 553	$ 7,946	$ 5,244	$ -	$ -	$ 5,244

National Grid - RI Gas
On-System Margin Details (Firm)

Assigned #	Month Charges Apply To	Banner Bill Date mo/yr	Sales or Trans	Demand Charge	Customer Charge	Usage (therms)	Commodity Charge	Commodity Rate (per therm)	Distribution Charge	Distribution Rate (per therm)	Sales Tax	GET	Energy Efficiency Surcharge	Other Charges	DAC	Total Revenue	Revenue subject to Margin Sharing	Gas Cost per Dth	Total Gas Cost	Total Margin
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
26	Oct-12	Oct-12	Trans	$ 3,585	$ 300	47,471	N/A		$ 1,272	$ 0.0268		$ 12	$ 1,823	$ 191	$ 517	$ 7,700	$ 5,157	$ -	$ -	$ 5,157
26	Nov-12	Nov-12	Trans	$ 3,585	$ 300	48,564	N/A		$ 1,302	$ 0.0268		$ 12	$ 1,865	$ 1	$ 529	$ 7,593	$ 5,187	$ -	$ -	$ 5,187
26	Dec-12	Dec-12	Trans	$ 3,245	$ 300	48,764	N/A		$ 1,307	$ 0.0268		$ 11	$ 1,873	$ 1	$ 556	$ 7,293	$ 4,852	$ -	$ -	$ 4,852
26	Jan-13	Jan-13	Trans	$ 3,245	$ 300	48,411	N/A		$ 1,297	$ 0.0268		$ 11	$ 1,859	$ 92	$ 552	$ 7,357	$ 4,843	$ -	$ -	$ 4,843
27	Jul-12	Jul-12	Trans	$ 27,718	$ 300	0	N/A		$ -	$ 0.0348		$ 867	$ -	$ 55	$ -	$ 28,939	$ 28,018	$ -	$ -	$ 28,018
27	Aug-12	Aug-12	Trans	$ 27,718	$ 300	0	N/A		$ -	$ 0.0348		$ 867	$ -	$ 1	$ -	$ 28,885	$ 28,018	$ -	$ -	$ 28,018
27	Sep-12	Sep-12	Trans	$ 27,718	$ 300	0	N/A		$ -	$ 0.0348		$ 867	$ -	$ 110	$ -	$ 28,995	$ 28,018	$ -	$ -	$ 28,018
27	Oct-12	Oct-12	Trans	$ 27,718	$ 300	1,499	N/A		$ 52	$ 0.0348		$ 871	$ 58	$ 1	$ 20	$ 29,019	$ 28,070	$ -	$ -	$ 28,070
27	Nov-12	Nov-12	Trans	$ 27,718	$ 300	202,453	N/A		$ 7,045	$ 0.0348		$ 1,408	$ 7,774	$ 1	$ 2,693	$ 46,939	$ 35,063	$ -	$ -	$ 35,063
27	Dec-12	Dec-12	Trans	$ 22,891	$ 300	479,524	N/A		$ 16,687	$ 0.0348		$ 2,009	$ 18,414	$ 1	$ 6,665	$ 66,967	$ 39,878	$ -	$ -	$ 39,878
27	Jan-13	Jan-13	Trans	$ 22,891	$ 300	542,007	N/A		$ 18,862	$ 0.0348		$ 2,177	$ 20,813	$ (4,550)	$ 7,534	$ 68,026	$ 42,053	$ -	$ -	$ 42,053
30	Jul-12	Jul-12	Trans	$ 537	$ 120	429	N/A		$ 70	$ 0.1638		$ 23	$ 16	$ 1	$ 10	$ 778	$ 728	$ -	$ -	$ 728
30	Aug-12	Aug-12	Trans	$ 537	$ 120	384	N/A		$ 63	$ 0.1638		$ 23	$ 15	$ 1	$ 9	$ 768	$ 720	$ -	$ -	$ 720
30	Sep-12	Sep-12	Trans	$ 537	$ 120	345	N/A		$ 56	$ 0.1638		$ 23	$ 13	$ 20	$ 8	$ 778	$ 714	$ -	$ -	$ 714
30	Oct-12	Oct-12	Trans	$ 537	$ 120	481	N/A		$ 79	$ 0.1638		$ 24	$ 18	$ 1	$ 11	$ 790	$ 736	$ -	$ -	$ 736
30	Nov-12	Nov-12	Trans	$ 537	$ 120	1,349	N/A		$ 221	$ 0.1638		$ 30	$ 52	$ 1	$ 31	$ 991	$ 878	$ -	$ -	$ 878
30	Dec-12	Dec-12	Trans	$ 420	$ 120	8,664	N/A		$ 1,419	$ 0.1638		$ 77	$ 333	$ 1	$ 209	$ 2,579	$ 1,959	$ -	$ -	$ 1,959
30	Jan-13	Jan-13	Trans	$ 420	$ 120	10,178	N/A		$ 1,667	$ 0.1638		$ 88	$ 391	$ 1	$ 245	$ 2,932	$ 2,207	$ -	$ -	$ 2,207
31	Jul-12	Jul-12	Sales	$ 841	$ 96	6,045	$ 4,773	$ 0.7896	$ 990	$ 0.1638		$ 219	$ 232	$ 1,250	$ 138	$ 8,539	$ 6,701	$ 7.8960	$ 4,773	$ 1,927
31	Aug-12	Aug-12	Sales	$ 1,051	$ 120	935	$ 739	$ 0.7896	$ 153	$ 0.1638		$ 66	$ 36	$ 927	$ 21	$ 3,112	$ 2,063	$ 7.8960	$ 739	$ 1,324
31	Sep-12	Sep-12	Sales	$ 1,051	$ 300	1,680	$ 1,327	$ 0.7896	$ 58	$ 0.0348		$ 87	$ 65	$ 309	$ 22	$ 3,220	$ 2,737	$ 7.8960	$ 1,327	$ 1,410
31	Oct-12	Oct-12	Sales	$ 1,051	$ 300	3,271	$ 2,583	$ 0.7896	$ 114	$ 0.0348		$ 130	$ 126	$ 204	$ 44	$ 4,552	$ 4,048	$ 7.8960	$ 2,583	$ 1,465
31	Nov-12	Nov-12	Sales	$ 1,051	$ 300	13,672	$ 10,796	$ 0.7896	$ 476	$ 0.0348		$ 412	$ 525	$ 1	$ 182	$ 13,743	$ 12,623	$ 7.8960	$ 10,796	$ 1,827
31	Dec-12	Dec-12	Sales	$ 1,874	$ 300	20,084	$ 13,406	$ 0.6675	$ 699	$ 0.0348		$ 536	$ 771	$ 1	$ 279	$ 17,866	$ 16,279	$ 6.6750	$ 13,406	$ 2,873
31	Jan-13	Jan-13	Sales	$ 1,874	$ 300	30,984	$ 20,682	$ 0.6675	$ 1,078	$ 0.0348		$ 791	$ 1,195	$ 607	$ 431	$ 26,958	$ 23,934	$ 6.6750	$ 20,682	$ 3,252
32	Jul-12	Jul-12	Trans	$ 1,119	$ 120	0	N/A		$ -	$ 0.1638	$ 89	$ 38	$ -	$ 1	$ -	$ 1,368	$ 1,239	$ -	$ -	$ 1,239
32	Aug-12	Aug-12	Trans	$ 1,119	$ 120	0	N/A		$ -	$ 0.1638	$ 89	$ 38	$ -	$ 1	$ -	$ 1,368	$ 1,239	$ -	$ -	$ 1,239
32	Sep-12	Sep-12	Trans	$ 1,119	$ 120	0	N/A		$ -	$ 0.1638	$ 89	$ 38	$ -	$ 1	$ -	$ 1,368	$ 1,239	$ -	$ -	$ 1,239
32	Oct-12	Oct-12	Trans	$ 1,119	$ 120	0	N/A		$ -	$ 0.1638	$ 89	$ 38	$ -	$ 1	$ -	$ 1,368	$ 1,239	$ -	$ -	$ 1,239
32	Nov-12	Nov-12	Trans	$ 1,119	$ 120	2,583	N/A		$ 423	$ 0.1638	$ 131	$ 56	$ 99	$ 1	$ 59	$ 2,009	$ 1,662	$ -	$ -	$ 1,662
32	Dec-12	Dec-12	Trans	$ 925	$ 120	14,421	N/A		$ 2,362	$ 0.1638	$ 311	$ 133	$ 554	$ 1	$ 348	$ 4,753	$ 3,407	$ -	$ -	$ 3,407
32	Jan-13	Jan-13	Trans	$ 925	$ 120	19,242	N/A		$ 3,152	$ 0.1638	$ 390	$ 167	$ 739	$ 1	$ 464	$ 5,957	$ 4,196	$ -	$ -	$ 4,196
35	Jul-12	Jul-12	Sales	$ 1,030	$ 120	630	$ 497	$ 0.7896	$ 103	$ 0.1638	$ 129	$ 55	$ 24	$ 1	$ 14	$ 1,975	$ 1,751	$ 7.8960	$ 497	$ 1,253
35	Aug-12	Aug-12	Sales	$ 1,030	$ 120	497	$ 392	$ 0.7896	$ 81	$ 0.1638	$ 119	$ 51	$ 19	$ (865)	$ 11	$ 960	$ 1,624	$ 7.8960	$ 392	$ 1,232
35	Sep-12	Sep-12	Sales	$ 1,030	$ 120	606	$ 479	$ 0.7896	$ 99	$ 0.1638	$ 127	$ 55	$ 23	$ 1	$ 14	$ 1,948	$ 1,728	$ 7.8960	$ 479	$ 1,250
35	Oct-12	Oct-12	Sales	$ 1,030	$ 120	3,557	$ 2,809	$ 0.7896	$ 583	$ 0.1638	$ 344	$ 147	$ 137	$ 1	$ 81	$ 5,251	$ 4,542	$ 7.8960	$ 2,809	$ 1,733
35	Nov-12	Nov-12	Sales	$ 845	$ 120	11,420	$ 8,584	$ 0.7517	$ 1,871	$ 0.1638	$ 875	$ 375	$ 439	$ 1	$ 265	$ 13,374	$ 11,420	$ 7.5171	$ 8,584	$ 2,836
35	Dec-12	Dec-12	Sales	$ 845	$ 120	17,581	$ 11,735	$ 0.6675	$ 2,880	$ 0.1638	$ 1,204	$ 516	$ 675	$ 1	$ 424	$ 18,400	$ 15,581	$ 6.6750	$ 11,735	$ 3,845
35	Jan-13	Jan-13	Sales	$ 845	$ 120	22,525	$ 15,035	$ 0.6675	$ 3,690	$ 0.1638	$ 1,525	$ 653	$ 895	$ 231	$ 543	$ 23,537	$ 19,691	$ 6.6750	$ 15,035	$ 4,655
38	Nov-12	Nov-12	Trans		$ 300	98,734	N/A		$ 3,436	$ 0.0348		$ 275	$ 3,791	$ 1	$ 1,372	$ 9,176	$ 3,736	$ -	$ -	$ 3,736
38	Dec-12	Dec-12	Trans		$ 300	108,242	N/A		$ 3,767	$ 0.0348		$ 301	$ 4,156	$ 1	$ 1,505	$ 10,030	$ 4,067	$ -	$ -	$ 4,067
38	Jan-13	Jan-13	Trans		$ 300	128,931	N/A		$ 4,487	$ 0.0348		$ 369	$ 5,338	$ 1	$ 1,792	$ 12,286	$ 4,787	$ -	$ -	$ 4,787
39	Jul-12	Jul-12	Sales	$ 572	$ 120	610	$ 482	$ 0.7896	$ 100	$ 0.1638		$ 41	$ 23	$ 449	$ 14	$ 1,801	$ 1,274	$ 7.8960	$ 482	$ 792
39	Aug-12	Aug-12	Sales	$ 572	$ 120	159	$ 126	$ 0.7896	$ 26	$ 0.1638		$ 26	$ 6	$ 383	$ 4	$ 1,263	$ 844	$ 7.8960	$ 126	$ 718
39	Sep-12	Sep-12	Sales	$ 572	$ 120	135	$ 106	$ 0.7896	$ 22	$ 0.1638		$ 26	$ 5	$ 1	$ 3	$ 855	$ 820	$ 7.8960	$ 106	$ 714
39	Oct-12	Oct-12	Sales	$ 572	$ 120	598	$ 472	$ 0.7896	$ 98	$ 0.1638		$ 40	$ 23	$ 523	$ 14	$ 1,862	$ 1,262	$ 7.8960	$ 472	$ 790
39	Nov-12	Nov-12	Sales	$ 572	$ 120	2,736	$ 2,160	$ 0.7896	$ 448	$ 0.1638		$ 107	$ 105	$ 1	$ 62	$ 3,576	$ 3,300	$ 7.8960	$ 2,160	$ 1,140
39	Dec-12	Dec-12	Sales	$ 476	$ 120	5,486	$ 3,705	$ 0.6754	$ 899	$ 0.1638		$ 171	$ 211	$ 1	$ 132	$ 5,714	$ 5,199	$ 6.7538	$ 3,705	$ 1,494
39	Jan-13	Jan-13	Sales	$ 476	$ 120	12,123	$ 8,092	$ 0.6675	$ 1,986	$ 0.1638		$ 354	$ 466	$ 546	$ 292	$ 12,331	$ 10,674	$ 6.6750	$ 8,092	$ 2,582
40	Jul-12	Jul-12	Trans	$ 6,270	$ 300	42,948	N/A		$ 1,151	$ 0.0268		$ 304	$ 1,649	$ 1	$ 468	$ 10,144	$ 7,721	$ -	$ -	$ 7,721
40	Aug-12	Aug-12	Trans	$ 6,270	$ 300	34,978	N/A		$ 937	$ 0.0268		$ 286	$ 1,343	$ 1	$ 381	$ 9,519	$ 7,508	$ -	$ -	$ 7,508
40	Sep-12	Sep-12	Trans	$ 6,270	$ 300	37,005	N/A		$ 992	$ 0.0268		$ 290	$ 1,421	$ 1	$ 403	$ 9,678	$ 7,562	$ -	$ -	$ 7,562
40	Oct-12	Oct-12	Trans	$ 6,270	$ 300	47,200	N/A		$ 1,265	$ 0.0268		$ 314	$ 1,812	$ 1	$ 514	$ 10,477	$ 7,835	$ -	$ -	$ 7,835
40	Nov-12	Nov-12	Trans	$ 6,270	$ 300	65,155	N/A		$ 1,746	$ 0.0268		$ 357	$ 2,502	$ 1	$ 710	$ 11,886	$ 8,316	$ -	$ -	$ 8,316
40	Dec-12	Dec-12	Trans	$ 5,547	$ 300	92,440	N/A		$ 2,477	$ 0.0268		$ 400	$ 3,550	$ 1	$ 1,054	$ 13,328	$ 8,324	$ -	$ -	$ 8,324
40	Jan-13	Jan-13	Trans	$ 5,547	$ 300	97,931	N/A		$ 2,625	$ 0.0268		$ 413	$ 3,761	$ 1	$ 1,116	$ 13,762	$ 8,471	$ -	$ -	$ 8,471
42	Jul-12	Jul-12	Trans	$ 534	$ 120	0	N/A		$ -	$ 0.1638		$ 20	$ -	$ 1	$ -	$ 675	$ 654	$ -	$ -	$ 654
42	Aug-12	Aug-12	Trans	$ 534	$ 120	0	N/A		$ -	$ 0.1638		$ 20	$ -	$ 1	$ -	$ 675	$ 654	$ -	$ -	$ 654
42	Sep-12	Sep-12	Trans	$ 534	$ 120	0	N/A		$ -	$ 0.1638		$ 20	$ -	$ 1	$ -	$ 675	$ 654	$ -	$ -	$ 654
42	Oct-12	Oct-12	Trans	$ 534	$ 120	0	N/A		$ -	$ 0.1638		$ 20	$ -	$ 1	$ -	$ 675	$ 654	$ -	$ -	$ 654
42	Nov-12	Nov-12	Trans	$ 534	$ 120	734	N/A		$ 120	$ 0.1638		$ 25	$ 28	$ 1	$ 17	$ 845	$ 774	$ -	$ -	$ 774
42	Dec-12	Dec-12	Trans	$ 455	$ 120	4,603	N/A		$ 754	$ 0.1638		$ 50	$ 177	$ 1	$ 111	$ 1,667	$ 1,329	$ -	$ -	$ 1,329
42	Jan-13	Jan-13	Trans	$ 455	$ 120	6,736	N/A		$ 1,103	$ 0.1638		$ 65	$ 259	$ 1	$ 162	$ 2,165	$ 1,678	$ -	$ -	$ 1,678
43	Jul-12	Jul-12	Sales	$ 322	$ 60	229	$ 181	$ 0.7896	$ 37	$ 0.1603	$ 44	$ 19	$ 9	$ 1	$ 5	$ 678	$ 600	$ 7.8960	$ 181	$ 418
43	Aug-12	Aug-12	Sales	$ 322	$ 60	272	$ 215	$ 0.7896	$ 44	$ 0.1603	$ 47	$ 20	$ 10	$ 1	$ 6	$ 725	$ 640	$ 7.8960	$ 215	$ 425
43	Sep-12	Sep-12	Sales	$ 322	$ 60	441	$ 349	$ 0.7896	$ 71	$ 0.1603	$ 60	$ 26	$ 17	$ 1	$ 11	$ 915	$ 801	$ 7.8960	$ 349	$ 452
43	Oct-12	Oct-12	Sales	$ 322	$ 60	609	$ 481	$ 0.7896	$ 98	$ 0.1603	$ 72	$ 31	$ 23	$ 1	$ 14	$ 1,102	$ 960	$ 7.8960	$ 481	$ 479

National Grid - RI Gas
On-System Margin Details (Firm)

Assigned #	Month Charges Apply To	Banner Bill Date mo/yr	Sales or Trans	Demand Charge	Customer Charge	Usage (therms)	Commodity Charge	Commodity Rate (per therm)	Distribution Charge	Distribution Rate (per therm)	Sales Tax	GET	Energy Efficiency Surcharge	Other Charges	DAC	Total Revenue	Revenue subject to Margin Sharing	Gas Cost per Dth	Total Gas Cost	Total Margin
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
43	Oct-12	Oct-12	Sales	$ 322	$ 60	865	$ 683	$ 0.7896	$ 139	$ 0.1603	$ 91	$ 39	$ 33	$ 1	$ 21	$ 1,388	$ 1,204	$ 7.8960	$ 683	$ 520
43	Nov-12	Nov-12	Sales	$ 239	$ 60	4,850	$ 3,276	$ 0.6754	$ 778	$ 0.1603	$ 350	$ 150	$ 186	$ 1	$ 306	$ 5,344	$ 4,352	$ 6.7538	$ 3,276	$ 1,076
43	Dec-12	Dec-12	Sales	$ 239	$ 60	631	$ 421	$ 0.6675	$ 101	$ 0.1603	$ 64	$ 27	$ 24	$ 1	$ 41	$ 979	$ 821	$ 6.6750	$ 421	$ 400
43	Jan-13	Jan-13	Sales	$ 239	$ 60	5,697	$ 3,803	$ 0.6675	$ 913	$ 0.1603	$ 406	$ 174	$ 236	$ 1	$ 374	$ 6,205	$ 5,014	$ 6.6750	$ 3,803	$ 1,212
44	Jul-12	Jul-12	Trans	$ 5,224	$ 300	31,179	N/A		$ 836	$ 0.0268		$ 244	$ 1,197	$ 1	$ 340	$ 8,141	$ 6,359	$ -	$ -	$ 6,359
44	Aug-12	Aug-12	Trans	$ 5,224	$ 300	25,696	N/A		$ 689	$ 0.0268		$ 231	$ 987	$ 1	$ 280	$ 7,711	$ 6,212	$ -	$ -	$ 6,212
44	Sep-12	Sep-12	Trans	$ 5,224	$ 300	24,257	N/A		$ 650	$ 0.0268		$ 228	$ 931	$ 103	$ 264	$ 7,700	$ 6,174	$ -	$ -	$ 6,174
44	Oct-12	Oct-12	Trans	$ 5,224	$ 300	25,904	N/A		$ 694	$ 0.0268		$ 232	$ 995	$ 1	$ 282	$ 7,728	$ 6,218	$ -	$ -	$ 6,218
44	Nov-12	Nov-12	Trans	$ 5,224	$ 300	41,332	N/A		$ 1,108	$ 0.0268		$ 268	$ 1,587	$ 1	$ 451	$ 8,938	$ 6,631	$ -	$ -	$ 6,631
44	Dec-12	Dec-12	Trans	$ 4,023	$ 300	59,322	N/A		$ 1,590	$ 0.0268		$ 274	$ 2,278	$ 1	$ 676	$ 9,142	$ 5,913	$ -	$ -	$ 5,913
44	Jan-13	Jan-13	Trans	$ 4,023	$ 300	66,355	N/A		$ 1,778	$ 0.0268		$ 291	$ 2,548	$ 1	$ 756	$ 9,698	$ 6,101	$ -	$ -	$ 6,101
46	Jul-12	Jul-12	Trans	$ 1,057	$ 120	9,189	N/A		$ 821	$ 0.0894		$ 4	$ 353	$ 1	$ 166	$ 2,522	$ 1,998	$ -	$ -	$ 1,998
46	Aug-12	Aug-12	Trans	$ 1,057	$ 120	4,826	N/A		$ 431	$ 0.0894		$ 3	$ 185	$ 1	$ 87	$ 1,885	$ 1,608	$ -	$ -	$ 1,608
46	Sep-12	Sep-12	Trans	$ 1,057	$ 120	9,055	N/A		$ 810	$ 0.0894		$ 4	$ 348	$ 1	$ 164	$ 2,503	$ 1,987	$ -	$ -	$ 1,987
46	Oct-12	Oct-12	Trans	$ 1,057	$ 120	9,220	N/A		$ 824	$ 0.0894		$ 4	$ 354	$ 1	$ 167	$ 2,527	$ 2,001	$ -	$ -	$ 2,001
46	Nov-12	Nov-12	Trans	$ 1,057	$ 120	9,714	N/A		$ 868	$ 0.0894		$ 4	$ 373	$ 1	$ 176	$ 2,599	$ 2,045	$ -	$ -	$ 2,045
46	Dec-12	Dec-12	Trans	$ 932	$ 120	13,225	N/A		$ 1,182	$ 0.0894		$ 5	$ 508	$ 1	$ 259	$ 3,007	$ 2,234	$ -	$ -	$ 2,234
46	Jan-13	Jan-13	Trans	$ 932	$ 120	17,304	N/A		$ 1,547	$ 0.0894		$ 6	$ 664	$ 38	$ 339	$ 3,646	$ 2,599	$ -	$ -	$ 2,599
47	Jul-12	Jul-12	Sales	$ 728	$ 120	3,801	$ 3,001	$ 0.7896	$ 623	$ 0.1638		$ 146	$ 146	$ 90	$ 87	$ 4,940	$ 4,472	$ 7.8960	$ 3,001	$ 1,471
47	Aug-12	Aug-12	Sales	$ 728	$ 120	3,002	$ 2,370	$ 0.7896	$ 492	$ 0.1638		$ 120	$ 115	$ 73	$ 68	$ 4,088	$ 3,710	$ 7.8960	$ 2,370	$ 1,340
47	Sep-12	Sep-12	Sales	$ 1,008	$ 120	3,522	$ 2,629	$ 0.7464	$ 315	$ 0.0894		$ 132	$ 135	$ 63	$ 64	$ 4,465	$ 4,071	$ 7.4640	$ 2,629	$ 1,442
47	Oct-12	Oct-12	Sales	$ 1,008	$ 120	3,805	$ 2,840	$ 0.7464	$ 340	$ 0.0894		$ 140	$ 146	$ 68	$ 69	$ 4,731	$ 4,308	$ 7.4640	$ 2,840	$ 1,468
47	Nov-12	Nov-12	Sales	$ 581	$ 120	4,550	$ 3,396	$ 0.7464	$ 407	$ 0.0894		$ 147	$ 175	$ 1	$ 82	$ 4,910	$ 4,504	$ 7.4640	$ 3,396	$ 1,108
47	Dec-12	Dec-12	Sales	$ 581	$ 120	12,201	$ 7,556	$ 0.6193	$ 1,091	$ 0.0894		$ 311	$ 469	$ 1	$ 239	$ 10,368	$ 9,348	$ 6.1930	$ 7,556	$ 1,792
47	Jan-13	Jan-13	Sales	$ 581	$ 120	13,985	$ 8,661	$ 0.6193	$ 1,250	$ 0.0894		$ 354	$ 546	$ 154	$ 274	$ 11,941	$ 10,613	$ 6.1930	$ 8,661	$ 1,952
48	Jul-12	Jul-12	Sales	$ 2,702	$ 300	38,709	$ 28,892	$ 0.7464	$ 1,037	$ 0.0268		$ 1,078	$ 1,486	$ 494	$ 422	$ 36,412	$ 32,932	$ 7.4640	$ 28,892	$ 4,040
48	Aug-12	Aug-12	Sales	$ 2,702	$ 300	33,848	$ 25,264	$ 0.7464	$ 907	$ 0.0268		$ 954	$ 1,300	$ 599	$ 369	$ 32,395	$ 29,173	$ 7.4640	$ 25,264	$ 3,909
48	Sep-12	Sep-12	Sales	$ 2,702	$ 300	37,784	$ 28,202	$ 0.7464	$ 1,013	$ 0.0268		$ 1,054	$ 1,451	$ 555	$ 412	$ 35,688	$ 32,217	$ 7.4640	$ 28,202	$ 4,015
48	Oct-12	Oct-12	Sales	$ 2,702	$ 300	29,200	$ 21,795	$ 0.7464	$ 783	$ 0.0268		$ 836	$ 1,121	$ 603	$ 318	$ 28,458	$ 25,580	$ 7.4640	$ 21,795	$ 3,785
48	Nov-12	Nov-12	Sales	$ 2,122	$ 300	23,453	$ 17,505	$ 0.7464	$ 629	$ 0.0268		$ 672	$ 901	$ 1	$ 256	$ 22,384	$ 20,556	$ 7.4640	$ 17,505	$ 3,050
48	Dec-12	Dec-12	Sales	$ 2,122	$ 300	51,838	$ 32,103	$ 0.6193	$ 1,389	$ 0.0268		$ 1,191	$ 1,991	$ 1	$ 591	$ 39,687	$ 35,914	$ 6.1930	$ 32,103	$ 3,811
48	Jan-13	Jan-13	Sales	$ 2,122	$ 300	50,038	$ 30,989	$ 0.6193	$ 1,341	$ 0.0268		$ 1,153	$ 1,955	$ 1,187	$ 570	$ 39,617	$ 34,752	$ 6.1930	$ 30,989	$ 3,763
49	Jul-12	Aug-12	Sales	$ 68	$ 60	0	$ -	$ 0.7896	$ -	$ 0.1603		$ 4	$ -	$ 1	$ -	$ 133	$ 128	$ 7.8960	$ -	$ 128
49	Aug-12	Aug-12	Sales	$ 68	$ 60	0	$ -	$ 0.7896	$ -	$ 0.1603		$ 4	$ -	$ 1	$ -	$ 133	$ 128	$ 7.8960	$ -	$ 128
49	Sep-12	Sep-12	Sales	$ 68	$ 60	0	$ -	$ 0.7896	$ -	$ 0.1603		$ 4	$ -	$ 1	$ -	$ 133	$ 128	$ 7.8960	$ -	$ 128
49	Oct-12	Oct-12	Sales	$ 68	$ 60	452	$ 357	$ 0.7896	$ 72	$ 0.1603		$ 18	$ 17	$ 1	$ 11	$ 604	$ 557	$ 7.8960	$ 357	$ 200
49	Nov-12	Nov-12	Sales	$ 101	$ 60	1,349	$ 936	$ 0.6934	$ 216	$ 0.1603		$ 45	$ 52	$ 1	$ 77	$ 1,487	$ 1,313	$ 6.9340	$ 936	$ 378
49	Dec-12	Dec-12	Sales	$ 81	$ 48	1,478	$ 987	$ 0.6675	$ 237	$ 0.1603		$ 47	$ 57	$ 1	$ 97	$ 1,554	$ 1,353	$ 6.6750	$ 987	$ 366
49	Jan-13	Jan-13	Sales	$ 101	$ 60	2,988	$ 1,995	$ 0.6675	$ 479	$ 0.1603		$ 91	$ 121	$ 1	$ 196	$ 3,044	$ 2,635	$ 6.6750	$ 1,995	$ 640
52	Jul-12	Jul-12	Trans	$ 176	$ 60	0	N/A		$ -	$ 0.1603		$ 7	$ -	$ 1	$ -	$ 244	$ 236	$ -	$ -	$ 236
52	Aug-12	Aug-12	Trans	$ 176	$ 60	2	N/A		$ 0	$ 0.1603		$ 7	$ 0	$ 4	$ 0	$ 248	$ 237	$ -	$ -	$ 237
52	Sep-12	Sep-12	Trans	$ 176	$ 60	0	N/A		$ -	$ 0.1603		$ 7	$ -	$ 1	$ -	$ 244	$ 236	$ -	$ -	$ 236
52	Oct-12	Oct-12	Trans	$ 176	$ 60	10	N/A		$ 2	$ 0.1603		$ 7	$ 0	$ 4	$ 0	$ 250	$ 238	$ -	$ -	$ 238
52	Nov-12	Nov-12	Trans	$ 176	$ 60	64	N/A		$ 10	$ 0.1603		$ 8	$ 2	$ 1	$ 2	$ 259	$ 246	$ -	$ -	$ 246
52	Dec-12	Dec-12	Trans	$ 119	$ 60	0	N/A		$ -	$ 0.1603		$ 6	$ -	$ 1	$ -	$ 185	$ 179	$ -	$ -	$ 179
52	Jan-13	Jan-13	Trans	$ 119	$ 60	0	N/A		$ -	$ 0.1603		$ 6	$ -	$ 1	$ -	$ 185	$ 179	$ -	$ -	$ 179
53	Jul-12	Jul-12	Trans	$ 308	$ 120	835	N/A		$ 137	$ 0.1638		$ 19	$ 32	$ 1	$ 19	$ 636	$ 565	$ -	$ -	$ 565
53	Aug-12	Aug-12	Trans	$ 308	$ 120	721	N/A		$ 118	$ 0.1638		$ 18	$ 28	$ 1	$ 16	$ 610	$ 546	$ -	$ -	$ 546
53	Sep-12	Sep-12	Trans	$ 308	$ 120	809	N/A		$ 132	$ 0.1638		$ 19	$ 31	$ 9	$ 18	$ 638	$ 561	$ -	$ -	$ 561
53	Oct-12	Oct-12	Trans	$ 308	$ 120	1,013	N/A		$ 166	$ 0.1638		$ 20	$ 39	$ 9	$ 23	$ 685	$ 594	$ -	$ -	$ 594
53	Nov-12	Nov-12	Trans	$ 308	$ 120	2,036	N/A		$ 334	$ 0.1638		$ 27	$ 78	$ 1	$ 46	$ 915	$ 762	$ -	$ -	$ 762
53	Dec-12	Dec-12	Trans	$ 279	$ 120	5,489	N/A		$ 899	$ 0.1638		$ 51	$ 211	$ 1	$ 132	$ 1,693	$ 1,298	$ -	$ -	$ 1,298
53	Jan-13	Jan-13	Trans	$ 279	$ 120	6,289	N/A		$ 1,030	$ 0.1638		$ 56	$ 242	$ 1	$ 152	$ 1,880	$ 1,430	$ -	$ -	$ 1,430
56	Jul-12	Jul-12	Sales	$ 441	$ 120	0	$ -		$ -	$ 0.1638	$ 41	$ 17	$ -	$ 4,047	$ -	$ 4,666	$ 561	$ -	$ -	$ 561
56	Aug-12	Aug-12	Sales	$ 441	$ 120	0	$ -		$ -	$ 0.1638	$ 41	$ 17	$ -	$ 2,039	$ -	$ 2,658	$ 561	$ -	$ -	$ 561
56	Sep-12	Sep-12	Sales	$ 441	$ 120	0	$ -		$ -	$ 0.1638	$ 41	$ 17	$ -	$ 2,047	$ -	$ 2,666	$ 561	$ -	$ -	$ 561
56	Oct-12	Oct-12	Sales	$ 441	$ 120	422	$ 333	$ 0.7896	$ 69	$ 0.1638	$ 71	$ 31	$ 16	$ 34	$ 10	$ 1,125	$ 963	$ 7.8960	$ 333	$ 630
56	Nov-12	Nov-12	Sales	$ 449	$ 120	2,756	$ 2,014	$ 0.7307	$ 451	$ 0.1638	$ 231	$ 99	$ 106	$ 1	$ 65	$ 3,536	$ 3,034	$ 7.3066	$ 2,014	$ 1,020
56	Dec-12	Dec-12	Sales	$ 449	$ 120	6,812	$ 4,547	$ 0.6675	$ 1,116	$ 0.1638	$ 481	$ 206	$ 262	$ 45	$ 164	$ 7,389	$ 6,232	$ 6.6750	$ 4,547	$ 1,685
56	Jan-13	Jan-13	Sales	$ 449	$ 120	10,928	$ 7,295	$ 0.6675	$ 1,790	$ 0.1638	$ 747	$ 320	$ 436	$ 27	$ 263	$ 11,447	$ 9,653	$ 6.6750	$ 7,295	$ 2,359
57	Jul-12	Aug-12	Sales	$ 90	$ 60	0	$ -	$ 0.7896	$ -	$ 0.1603			$ -	$ 1	$ -	$ 151	$ 150	$ 7.8960	$ -	$ 150
57	Aug-12	Aug-12	Sales	$ 90	$ 60	0	$ -	$ 0.7896	$ -	$ 0.1603	$ 22	$ 9	$ -	$ 895	$ -	$ 1,076	$ 150	$ 7.8960	$ -	$ 150
57	Sep-12	Sep-12	Sales	$ 90	$ 60	0	$ -	$ 0.7896	$ -	$ 0.1603	$ 11	$ 5	$ -	$ 870	$ -	$ 1,035	$ 150	$ 7.8960	$ -	$ 150
57	Oct-12	Oct-12	Sales	$ 90	$ 60	0	$ -	$ 0.7896	$ -	$ 0.1603	$ 11	$ 5	$ -	$ 1	$ -	$ 166	$ 150	$ 7.8960	$ -	$ 150
57	Nov-12	Nov-12	Sales	$ (1,164)										$ (25)		$ (1,190)	$ (1,164)	$ -	$ -	$ (1,164)
58	Jul-12	Jul-12	Sales	$ 527	$ 120	212	$ 167	$ 0.7896	$ 35	$ 0.1638		$ 1	$ 8	$ 1	$ 5	$ 865	$ 850	$ 7.8960	$ 167	$ 682
58	Aug-12	Aug-12	Sales	$ 527	$ 120	610	$ 482	$ 0.7896	$ 100	$ 0.1638		$ 2	$ 23	$ 1	$ 14	$ 1,269	$ 1,229	$ 7.8960	$ 482	$ 747

National Grid - RI Gas
On-System Margin Details (Firm)

Assigned #	Month Charges Apply To	Banner Bill Date mo/yr	Sales or Trans	Demand Charge	Customer Charge	Usage (therms)	Commodity Charge	Commodity Rate (per therm)	Distribution Charge	Distribution Rate (per therm)	Sales Tax	GET	Energy Efficiency Surcharge	Other Charges	DAC	Total Revenue	Revenue subject to Margin Sharing	Gas Cost per Dth	Total Gas Cost	Total Margin
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
58	Sep-12	Sep-12	Sales	$ 527	$ 120	0	$ -		$ -	$ 0.1638		$ 1	$ -	$ 1	$ -	$ 649	$ 647	$ -	$ -	$ 647
58	Oct-12	Oct-12	Sales	$ 527	$ 120	79	$ 63	$ 0.7896	$ 13	$ 0.1638		$ 1	$ 3	$ 1	$ 2	$ 730	$ 723	$ 7.8960	$ 63	$ 660
58	Nov-12	Nov-12	Sales	$ 393	$ 120	2,494	$ 1,822	$ 0.7305	$ 408	$ 0.1638		$ 4	$ 96	$ 1	$ 58	$ 2,903	$ 2,743	$ 7.3052	$ 1,822	$ 922
58	Dec-12	Dec-12	Sales	$ 393	$ 120	3,944	$ 2,633	$ 0.6675	$ 646	$ 0.1638		$ 6	$ 151	$ 1	$ 95	$ 4,045	$ 3,792	$ 6.6750	$ 2,633	$ 1,159
58	Jan-13	Jan-13	Sales	$ 393	$ 120	9,678	$ 6,460	$ 0.6675	$ 1,585	$ 0.1638		$ 14	$ 385	$ 1	$ 233	$ 9,192	$ 8,558	$ 6.6750	$ 6,460	$ 2,098
60	Jul-12	Jul-12	Trans	$ 1,751	$ 300	4,009	N/A		$ 107	$ 0.0268		$ 4	$ 154	$ 1	$ 44	$ 2,360	$ 2,158	$ -	$ -	$ 2,158
60	Aug-12	Aug-12	Trans	$ 1,751	$ 300	5,118	N/A		$ 137	$ 0.0268		$ 4	$ 197	$ 1	$ 56	$ 2,445	$ 2,188	$ -	$ -	$ 2,188
60	Sep-12	Sep-12	Trans	$ 1,751	$ 120	5,389	N/A		$ 482	$ 0.0894		$ 4	$ 207	$ 1	$ 98	$ 2,662	$ 2,353	$ -	$ -	$ 2,353
60	Oct-12	Oct-12	Trans	$ 1,751	$ 120	4,848	N/A		$ 433	$ 0.0894		$ 4	$ 186	$ 1	$ 88	$ 2,583	$ 2,304	$ -	$ -	$ 2,304
60	Nov-12	Nov-12	Trans	$ 1,751	$ 120	5,929	N/A		$ 530	$ 0.0894		$ 4	$ 228	$ 1	$ 107	$ 2,741	$ 2,401	$ -	$ -	$ 2,401
60	Dec-12	Dec-12	Trans	$ 552	$ 120	6,501	N/A		$ 581	$ 0.0894		$ 3	$ 250	$ 1	$ 127	$ 1,634	$ 1,253	$ -	$ -	$ 1,253
60	Jan-13	Jan-13	Trans	$ 552	$ 120	5,911	N/A		$ 528	$ 0.0894		$ 2	$ 227	$ 1	$ 116	$ 1,547	$ 1,201	$ -	$ -	$ 1,201
62	Jul-12	Jul-12	Trans	$ 576	$ 120	0	N/A		$ -	$ 0.1638		$ 22	$ -	$ 1	$ -	$ 718	$ 696	$ -	$ -	$ 696
62	Aug-12	Aug-12	Trans	$ 576	$ 120	0	N/A		$ -	$ 0.1638		$ 22	$ -	$ 1	$ -	$ 718	$ 696	$ -	$ -	$ 696
62	Sep-12	Sep-12	Trans	$ 576	$ 120	0	N/A		$ -	$ 0.1638		$ 22	$ -	$ 1	$ -	$ 718	$ 696	$ -	$ -	$ 696
62	Oct-12	Oct-12	Trans	$ 576	$ 120	1,010	N/A		$ 166	$ 0.1638		$ 29	$ 39	$ 1	$ 23	$ 952	$ 861	$ -	$ -	$ 861
62	Nov-12	Nov-12	Trans	$ 485	$ 120	5,627	N/A		$ 922	$ 0.1638		$ 58	$ 216	$ 1	$ 134	$ 1,935	$ 1,526	$ -	$ -	$ 1,526
62	Dec-12	Dec-12	Trans	$ 404	$ 100	9,874	N/A		$ 1,617	$ 0.1638		$ 85	$ 379	$ 1	$ 238	$ 2,823	$ 2,121	$ -	$ -	$ 2,121
62	Jan-13	Jan-13	Trans	$ 485	$ 120	12,254	N/A		$ 2,007	$ 0.1638		$ 105	$ 497	$ 1	$ 295	$ 3,510	$ 2,612	$ -	$ -	$ 2,612
						9,276,166										**$ 2,321,725**	**$ 1,747,412**		**$ 547,884**	**$ 1,199,529**

National Grid - RI Gas
On-System Margin Details (Non-Firm)

Assigned #	Month Charges Apply To	Banner 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	Total revenue	Revenue subject to Margin Sharing	Gas Cost per Dth	Total Gas Cost	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
3	Jul-12	Jul-12	Trans	$ 485	0	N/A		$ -			$ 1	$ -		$ 1	$ 487	$ 485	$ 3.5077	$ -	$ 485	
5	Jul-12	Jul-12	Trans	$ 485	88,900	N/A		$ 5,476	$ 0.0616		$ 290	$ 3,414		$ 1	$ 9,666	$ 5,961	$ 3.5077	$ -	$ 5,961	
6	Jul-12	Jul-12	Trans	$ 485	11,173	N/A		$ 688	$ 0.0616			$ 429		$ 1	$ 1,603	$ 1,173	$ 3.5077	$ -	$ 1,173	
8	Jul-12	Jul-12	Trans	$ 715	806,715	N/A		$ 49,694	$ 0.0616		$ 2,517	$ 30,978		$ 1	$ 83,905	$ 50,409	$ 3.5077	$ -	$ 50,409	
11	Jul-12	Jul-12	Trans	$ 275	23,080	N/A		$ 1,422	$ 0.0616	$ 186	$ 80	$ 886		$ 1	$ 2,850	$ 1,697	$ 3.5077	$ -	$ 1,697	
14	Jul-12	Jul-12	Sales	$ 625	0	$ -					$ 19			$ 1	$ 645	$ 625	$ 3.5077	$ -	$ 625	
15	Jul-12	Jul-12	Trans	$ 715	51,910	N/A		$ 3,198	$ 0.0616		$ 183	$ 1,993		$ 1	$ 6,090	$ 3,913	$ 3.5077	$ -	$ 3,913	
16	Jul-12	Jul-12	Trans	$ 715	88,141	N/A		$ 6,752	$ 0.0766			$ 3,385		$ 1	$ 10,852	$ 7,467	$ 3.5077	$ -	$ 7,467	
17	Jul-12	Jul-12	Trans	$ 485	22,735	N/A		$ 1,400	$ 0.0616			$ 873		$ 1	$ 2,759	$ 1,885	$ 3.5077	$ -	$ 1,885	
19	Jul-12	Jul-12	Trans	$ 715	108,577	N/A		$ 6,688	$ 0.0616			$ 4,169		$ 1	$ 11,574	$ 7,403	$ 3.5077	$ -	$ 7,403	
20	Jul-12	Jul-12	Trans	$ 715	24,696	N/A		$ 1,521	$ 0.0616		$ 5	$ 948		$ 1	$ 3,190	$ 2,236	$ 3.5077	$ -	$ 2,236	
24	Jul-12	Jul-12	Trans	$ 715	0	N/A		$ -			$ 22	$ -		$ 1	$ 738	$ 715	$ 3.5077	$ -	$ 715	
25	Jul-12	Jul-12	Trans	$ 485	30,367	N/A		$ 1,871	$ 0.0616		$ 109	$ 1,166		$ 1	$ 3,631	$ 2,356	$ 3.5077	$ -	$ 2,356	
28	Jul-12	Jul-12	Sales	$ 625	73,184	$ 25,671	$ 0.3508	$ 4,508	$ 0.0616			$ 2,810		$ 1	$ 33,615	$ 30,804	$ 3.5077	$ 25,671	$ 5,133	
29	Jul-12	Jul-12	Sales	$ 625	42,458	$ 14,893	$ 0.3508	$ 2,615	$ 0.0616		$ 611	$ 1,630		$ 1	$ 20,376	$ 18,133	$ 3.5077	$ 14,893	$ 3,240	
33	Jul-12	Jul-12	Sales	$ 405	0	$ -		$ -		$ 29	$ 13	$ -		$ 1	$ 448	$ 405	$ 3.5077	$ -	$ 405	
36	Jul-12	Jul-12	Trans	$ 715	75,580	N/A		$ 4,656	$ 0.0616		$ 256	$ 2,902		$ 1	$ 8,530	$ 5,371	$ 3.5077	$ -	$ 5,371	
38	Jul-12	Jul-12	Trans	$ 715	13,742	N/A		$ 1,053	$ 0.0766		$ 71	$ 528		$ 1	$ 2,367	$ 1,768	$ 3.5077	$ -	$ 1,768	
45	Jul-12	Jul-12	Sales		2,738	$ 960	$ 0.3508	$ 376	$ 0.1372	$ 104	$ 45	$ 105		$ 1	$ 1,590	$ 1,336	$ 3.5077	$ 960	$ 376	
54	Jul-12	Jul-12	Sales	$ 405	0	$ -		$ -			$ 1	$ -		$ 1	$ 406	$ 405	$ 3.5077	$ -	$ 405	
55	Jul-12	Jul-12	Trans	$ 715	11,137	N/A		$ 686	$ 0.0616		$ 3	$ 428		$ 1	$ 1,832	$ 1,401	$ 3.5077	$ -	$ 1,401	
67	Jul-12	Jul-12	Trans	$ 715	234,715	N/A		$ 14,458	$ 0.0616					$ 1	$ 15,174	$ 15,173	$ 3.5077	$ -	$ 15,173	
3	Aug-12	Aug-12	Trans	$ 485	0	N/A		$ -			$ 1	$ -		$ 1	$ 487	$ 485	$ 3.4504	$ -	$ 485	
5	Aug-12	Aug-12	Trans	$ 485	88,030	N/A		$ 5,423	$ 0.0616		$ 287	$ 3,380		$ 1	$ 9,576	$ 5,908	$ 3.4504	$ -	$ 5,908	
6	Aug-12	Aug-12	Trans	$ 485	12,055	N/A		$ 743	$ 0.0616			$ 463		$ 1	$ 1,691	$ 1,228	$ 3.4504	$ -	$ 1,228	
8	Aug-12	Aug-12	Trans	$ 715	836,886	N/A		$ 51,552	$ 0.0616		$ 2,610	$ 32,136		$ 128	$ 87,142	$ 52,267	$ 3.4504	$ -	$ 52,267	
11	Aug-12	Aug-12	Trans	$ 275	23,642	N/A		$ 1,456	$ 0.0616	$ 191	$ 82	$ 908		$ 24	$ 2,935	$ 1,731	$ 3.4504	$ -	$ 1,731	
11	Jun-12	Jul-12	Trans	$ (9,534)		N/A									$ (9,534)	$ (9,534)	$ 3.2566	$ -	$ (9,534)	adj to Jan-Jun'12
11	Jan-12	Jul-12	Trans	$ 275		N/A				$ 20	$ 9			$ 1	$ 304	$ 275	$ 6.7388	$ -	$ 275	adj to Jan'12
11	Feb-12	Jul-12	Trans	$ 275		N/A				$ 20	$ 9			$ 1	$ 304	$ 275	$ 5.1630	$ -	$ 275	adj to Feb'12
11	Mar-12	Jul-12	Trans	$ 275		N/A				$ 20	$ 9			$ 1	$ 304	$ 275	$ 3.3691	$ -	$ 275	adj to Mar'12
11	Apr-12	Jul-12	Trans	$ 275	30,886	N/A		$ 1,903	$ 0.0616	$ 243	$ 104	$ 1,186		$ 1	$ 3,711	$ 2,178	$ 2.8594	$ -	$ 2,178	adj for Apr'12
11	May-12	Jul-12	Trans	$ 275	29,701	N/A		$ 1,830	$ 0.0616	$ 234	$ 100	$ 1,141		$ 1	$ 3,581	$ 2,105	$ 2.4957	$ -	$ 2,105	adj for May'12
11	Jun-12	Jul-12	Trans	$ 275	25,797	N/A		$ 1,589	$ 0.0616	$ 206	$ 88	$ 991		$ 1	$ 3,150	$ 1,864	$ 3.2566	$ -	$ 1,864	adj for Jun'12
14	Aug-12	Aug-12	Sales	$ 625	0	$ -					$ 19			$ 10	$ 654	$ 625	$ 3.4504	$ -	$ 625	
14	Jun-12	Aug-12	Sales											$ (32,630)	$ (32,630)	$ -	$ 3.2566	$ -	$ -	adj to Feb-Jun'12
15	Aug-12	Aug-12	Trans	$ 715	50,864	N/A		$ 3,133	$ 0.0616		$ 179	$ 1,953		$ 1	$ 5,982	$ 3,848	$ 3.4504	$ -	$ 3,848	
16	Aug-12	Aug-12	Trans	$ 715	91,605	N/A		$ 7,017	$ 0.0766			$ 3,518		$ 166	$ 11,415	$ 7,732	$ 3.4504	$ -	$ 7,732	
17	Aug-12	Aug-12	Trans	$ 485	34,569	N/A		$ 2,129	$ 0.0616			$ 1,327		$ 1	$ 3,943	$ 2,614	$ 3.4504	$ -	$ 2,614	
19	Aug-12	Aug-12	Trans	$ 715	86,976	N/A		$ 5,358	$ 0.0616			$ 3,340		$ 53	$ 9,466	$ 6,073	$ 3.4504	$ -	$ 6,073	
20	Aug-12	Aug-12	Trans	$ 715	36,194	N/A		$ 2,230	$ 0.0616		$ 7	$ 1,390		$ 1	$ 4,342	$ 2,945	$ 3.4504	$ -	$ 2,945	
24	Aug-12	Aug-12	Trans	$ 715	0	N/A		$ -			$ 22	$ -		$ 208	$ 945	$ 715	$ 3.4504	$ -	$ 715	
25	Aug-12	Aug-12	Trans	$ 485	30,731	N/A		$ 1,893	$ 0.0616		$ 110	$ 1,180		$ 233	$ 3,901	$ 2,378	$ 3.4504	$ -	$ 2,378	
28	Aug-12	Aug-12	Sales	$ 625	54,217	$ 18,707	$ 0.3450	$ 3,340	$ 0.0616			$ 2,082		$ 1	$ 24,755	$ 22,672	$ 3.4504	$ 18,707	$ 3,965	
29	Aug-12	Aug-12	Sales	$ 625	63,796	$ 22,012	$ 0.3450	$ 3,930	$ 0.0616		$ 897	$ 2,450		$ 1	$ 29,915	$ 26,567	$ 3.4504	$ 22,012	$ 4,555	
33	Aug-12	Aug-12	Sales	$ 405	0	$ -		$ -		$ 29	$ 13	$ -		$ 6	$ 453	$ 405	$ 3.4504	$ -	$ 405	
36	Aug-12	Aug-12	Trans	$ 715	68,451	N/A		$ 4,217	$ 0.0616		$ 234	$ 2,629		$ 1	$ 7,795	$ 4,932	$ 3.4504	$ -	$ 4,932	
38	Aug-12	Aug-12	Trans	$ 715	15,095	N/A		$ 1,156	$ 0.0766		$ 76	$ 580		$ 1	$ 2,528	$ 1,871	$ 3.4504	$ -	$ 1,871	
45	Aug-12	Aug-12	Sales												$ -	$ -	$ 3.4504	$ -	$ -	
45	Apr-12	Aug-12	Sales	$ 185						$ 13	$ 6				$ 204	$ 185	$ 2.8594	$ -	$ 185	adj for Apr'12
45	May-12	Aug-12	Sales	$ 185		$ (12)				$ 12	$ 5				$ 190	$ 173	$ 2.4957	$ (12)	$ 185	adj for May'12
45	Jun-12	Aug-12	Sales	$ 185		$ (3)				$ 13	$ 6				$ 201	$ 182	$ 3.2566	$ (3)	$ 185	adj for Jun'12
45	Jul-12	Aug-12	Sales	$ 185		$ 1				$ 13	$ 6				$ 205	$ 186	$ 3.5077	$ 1	$ 185	adj for July'12
54	Aug-12	Aug-12	Sales	$ 405	0	$ -		$ -			$ 1	$ -		$ 1	$ 406	$ 405	$ 3.4504	$ -	$ 405	
55	Aug-12	Aug-12	Trans	$ 715	15,150	N/A		$ 933	$ 0.0616		$ 3	$ 582		$ 24	$ 2,257	$ 1,648	$ 3.4504	$ -	$ 1,648	
67	Aug-12	Aug-12	Trans	$ 715	138,009	N/A		$ 8,501	$ 0.0616					$ 12	$ 9,229	$ 9,216	$ 3.4504	$ -	$ 9,216	
3	Sep-12	Sep-12	Trans	$ 485		N/A					$ 1	$ -		$ 1	$ 487	$ 485	$ 3.2123	$ -	$ 485	
5	Sep-12	Sep-12	Trans	$ 485	80,208	N/A		$ 4,941	$ 0.0616		$ 263	$ 3,080		$ 1	$ 8,770	$ 5,426	$ 3.2123	$ -	$ 5,426	
6	Sep-12	Sep-12	Trans	$ 485	21,044	N/A		$ 1,296	$ 0.0616			$ 808		$ 1	$ 2,590	$ 1,781	$ 3.2123	$ -	$ 1,781	
8	Sep-12	Sep-12	Trans	$ 715	708,024	N/A		$ 43,614	$ 0.0616		$ 2,212	$ 27,188		$ 66	$ 73,795	$ 44,329	$ 3.2123	$ -	$ 44,329	
11	Sep-12	Sep-12	Trans	$ 275	24,811	N/A		$ 1,528	$ 0.0616	$ 199	$ 85	$ 953		$ 24	$ 3,064	$ 1,803	$ 3.2123	$ -	$ 1,803	
14	Sep-12	Sep-12	Sales	$ 625	895	$ 288	$ 0.3212	$ 69	$ 0.0766		$ 31	$ 34		$ 1	$ 1,048	$ 981	$ 3.2123	$ 288	$ 694	
15	Sep-12	Sep-12	Trans	$ 715	71,040	N/A		$ 4,376	$ 0.0616		$ 242	$ 2,728		$ 1	$ 8,062	$ 5,091	$ 3.2123	$ -	$ 5,091	
16	Sep-12	Sep-12	Trans	$ 715	113,724	N/A		$ 8,711	$ 0.0766			$ 4,367		$ 144	$ 13,937	$ 9,426	$ 3.2123	$ -	$ 9,426	
17	Sep-12	Sep-12	Trans	$ 485	21,134	N/A		$ 1,302	$ 0.0616			$ 812		$ 1	$ 2,599	$ 1,787	$ 3.2123	$ -	$ 1,787	
19	Sep-12	Sep-12	Trans	$ 715	111,252	N/A		$ 6,853	$ 0.0616			$ 4,272		$ 27	$ 11,867	$ 7,568	$ 3.2123	$ -	$ 7,568	
20	Sep-12	Sep-12	Trans	$ 715	37,277	N/A		$ 2,296	$ 0.0616		$ 7	$ 1,431		$ 1	$ 4,450	$ 3,011	$ 3.2123	$ -	$ 3,011	
24	Sep-12	Sep-12	Trans	$ 715		N/A					$ 22	$ -		$ 102	$ 840	$ 715	$ 3.2123	$ -	$ 715	
25	Sep-12	Sep-12	Trans	$ 485	37,966	N/A		$ 2,339	$ 0.0616		$ 132	$ 1,458		$ 94	$ 4,508	$ 2,824	$ 3.2123	$ -	$ 2,824	
28	Sep-12	Sep-12	Sales	$ 625	84,155	$ 27,033	$ 0.3212	$ 5,184	$ 0.0616			$ 3,232		$ 1	$ 36,074	$ 32,842	$ 3.2123	$ 27,033	$ 5,809	
29	Sep-12	Sep-12	Sales	$ 625	29,286	$ 9,408	$ 0.3212	$ 1,804	$ 0.0616		$ 401	$ 1,125		$ 1	$ 13,363	$ 11,837	$ 3.2123	$ 9,408	$ 2,429	
33	Sep-12	Sep-12	Sales	$ 405		$ -				$ 29	$ 13	$ -		$ 1	$ 448	$ 405	$ 3.2123	$ -	$ 405	
36	Sep-12	Sep-12	Trans	$ 715	68,104	N/A		$ 4,195	$ 0.0616		$ 233	$ 2,615		$ 1	$ 7,759	$ 4,910	$ 3.2123	$ -	$ 4,910	
38	Sep-12	Sep-12	Trans	$ 715	16,453	N/A		$ 1,260	$ 0.0766		$ 81	$ 632		$ 1	$ 2,689	$ 1,975	$ 3.2123	$ -	$ 1,975	
45	Sep-12	Sep-12	Sales	$ 185	4,627	$ 1,584	$ 0.3423	$ 635	$ 0.1372			$ 178		$ 1	$ 2,582	$ 2,404	$ 3.2123	$ 1,584	$ 820	
45	Aug-12	Sep-12	Sales	$ 185	3,437	$ 1,104	$ 0.3212	$ 472	$ 0.1372	$ 323	$ 138	$ 132		$ 1	$ 2,355	$ 1,761	$ 3.4504	$ 1,104	$ 657	adj for Aug'12

National Grid - RI Gas
On-System Margin Details (Non-Firm)

Assigned #	Month Charges Apply To	Banner 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	Total revenue	Revenue subject to Margin Sharing	Gas Cost per Dth	Total Gas Cost	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
54	Sep-12	Sep-12	Sales	$ 405		$ -					$ 1	$ -		$ 1	$ 406	$ 405	$ 3.2123	$ -	$ 405	
55	Sep-12	Sep-12	Trans	$ 715	9,026	N/A		$ 556	$ 0.0616		$ 3	$ 347		$ 29	$ 1,649	$ 1,271	$ 3.2123	$ -	$ 1,271	
67	Sep-12	Sep-12	Trans	$ 715	154	N/A		$ 10	$ 0.0616					$ 55	$ 780	$ 725	$ 3.2123	$ -	$ 725	
3	Oct-12	Oct-12	Trans	$ 485	0	N/A					$ 1	$ -		$ 1	$ 487	$ 485	$ 3.4810	$ -	$ 485	
5	Oct-12	Oct-12	Trans	$ 485	74,919	N/A		$ 4,615	$ 0.0616		$ 247	$ 2,877		$ 1	$ 8,225	$ 5,100	$ 3.4810	$ -	$ 5,100	
6	Oct-12	Oct-12	Trans	$ 485	13,795	N/A		$ 850	$ 0.0616			$ 530		$ 1	$ 1,865	$ 1,335	$ 3.4810	$ -	$ 1,335	
8	Oct-12	Oct-12	Trans	$ 715	797,393	N/A		$ 49,119	$ 0.0616		$ 2,488	$ 30,620		$ 1	$ 82,943	$ 49,834	$ 3.4810	$ -	$ 49,834	
11	Oct-12	Oct-12	Trans	$ 275	28,450	N/A		$ 1,753	$ 0.0616	$ 225	$ 97	$ 1,092		$ 1	$ 3,443	$ 2,028	$ 3.4810	$ -	$ 2,028	
14	Oct-12	Oct-12	Sales	$ 625	50,554	$ 17,598	$ 0.3481	$ 3,872	$ 0.0766		$ 743	$ 1,941		$ 1	$ 24,781	$ 22,095	$ 3.4810	$ 17,598	$ 4,497	
15	Oct-12	Oct-12	Trans	$ 715	93,438	N/A		$ 5,756	$ 0.0616		$ 311	$ 3,588		$ 1	$ 10,371	$ 6,471	$ 3.4810	$ -	$ 6,471	
16	Oct-12	Oct-12	Trans	$ 715	209,435	N/A		$ 16,043	$ 0.0766			$ 8,042		$ 1	$ 24,801	$ 16,758	$ 3.4810	$ -	$ 16,758	
17	Oct-12	Oct-12	Trans	$ 485	34,154	N/A		$ 2,104	$ 0.0616			$ 1,312		$ 1	$ 3,901	$ 2,589	$ 3.4810	$ -	$ 2,589	
19	Oct-12	Oct-12	Trans	$ 715	52,225	N/A		$ 3,217	$ 0.0616			$ 2,005		$ 1	$ 5,938	$ 3,932	$ 3.4810	$ -	$ 3,932	
20	Oct-12	Oct-12	Trans	$ 715	48,970	N/A		$ 3,017	$ 0.0616		$ 9	$ 1,880		$ 1	$ 5,622	$ 3,732	$ 3.4810	$ -	$ 3,732	
24	Oct-12	Oct-12	Trans	$ 715	0	N/A					$ 22	$ -		$ 1	$ 738	$ 715	$ 3.4810	$ -	$ 715	
25	Oct-12	Oct-12	Trans	$ 485	46,812	N/A		$ 2,884	$ 0.0616		$ 160	$ 1,798		$ 1	$ 5,327	$ 3,369	$ 3.4810	$ -	$ 3,369	
28	Oct-12	Oct-12	Sales	$ 625	64,180	$ 22,341	$ 0.3481	$ 3,953	$ 0.0616			$ 2,465		$ 1	$ 29,385	$ 26,919	$ 3.4810	$ 22,341	$ 4,578	
29	Oct-12	Oct-12	Sales	$ 625	34,615	$ 12,049	$ 0.3481	$ 2,132	$ 0.0616		$ 499	$ 1,329		$ 1	$ 16,636	$ 14,807	$ 3.4810	$ 12,049	$ 2,757	
33	Oct-12	Oct-12	Sales	$ 405	0	$ -				$ 29	$ 13	$ -		$ 1	$ 448	$ 405	$ 3.4810	$ -	$ 405	
36	Oct-12	Oct-12	Trans	$ 715	59,158	N/A		$ 3,644	$ 0.0616		$ 205	$ 2,272		$ 1	$ 6,837	$ 4,359	$ 3.4810	$ -	$ 4,359	
38	Oct-12	Oct-12	Trans	$ 715	57,304	N/A		$ 4,389	$ 0.0766		$ 226	$ 2,200		$ 1	$ 7,532	$ 5,104	$ 3.4810	$ -	$ 5,104	
45	Oct-12	Oct-12	Sales	$ 185	5,059	$ 1,761	$ 0.3481	$ 694	$ 0.1372	$ 205	$ 88	$ 194		$ 1	$ 3,127	$ 2,640	$ 3.4810	$ 1,761	$ 879	
54	Oct-12	Oct-12	Sales	$ 405		$ -					$ 1	$ -		$ 1	$ 406	$ 405	$ 3.4810	$ -	$ 405	
55	Oct-12	Oct-12	Trans	$ 715	12,730	N/A		$ 784	$ 0.0616		$ 3	$ 489		$ 1	$ 1,992	$ 1,499	$ 3.4810	$ -	$ 1,499	
67	Oct-12	Oct-12	Trans	$ 715	0	N/A		$ -	$ 0.0616					$ 1	$ 716	$ 715	$ 3.4810	$ -	$ 715	
3	Nov-12	Nov-12	Trans	$ 485	44,427	N/A		$ 3,403	$ 0.0766		$ 9	$ 1,706		$ 1	$ 5,604	$ 3,888	$ 4.2811	$ -	$ 3,888	
5	Nov-12	Nov-12	Trans	$ 485	69,316	N/A		$ 4,270	$ 0.0616		$ 229	$ 2,662		$ 1	$ 7,647	$ 4,755	$ 4.2811	$ -	$ 4,755	
6	Nov-12	Nov-12	Trans	$ 485	24,796	N/A		$ 1,527	$ 0.0616			$ 952		$ 1	$ 2,965	$ 2,012	$ 4.2811	$ -	$ 2,012	
8	Nov-12	Nov-12	Trans	$ 715	853,283	N/A		$ 52,562	$ 0.0616		$ 2,661	$ 32,766		$ 1	$ 88,705	$ 53,277	$ 4.2811	$ -	$ 53,277	
11	Nov-12	Nov-12	Trans	$ 275	0	N/A		$ -	$ 0.0616	$ 20	$ 9			$ 1	$ 304	$ 275	$ 4.2811	$ -	$ 275	
14	Nov-12	Nov-12	Sales	$ 625	304,286	$ 130,268	$ 0.4281	$ 23,308	$ 0.0766		$ 5,131	$ 11,685		$ 1	$ 171,017	$ 154,201	$ 4.2811	$ 130,268	$ 23,933	
15	Nov-12	Nov-12	Trans	$ 715	152,920	N/A		$ 9,420	$ 0.0616		$ 495	$ 5,872		$ 1	$ 16,503	$ 10,135	$ 4.2811	$ -	$ 10,135	
16	Nov-12	Nov-12	Trans	$ 715	357,078	N/A		$ 27,352	$ 0.0766			$ 13,712		$ 1	$ 41,780	$ 28,067	$ 4.2811	$ -	$ 28,067	
17	Nov-12	Nov-12	Trans	$ 485	18,435	N/A		$ 1,136	$ 0.0616			$ 708		$ 1	$ 2,329	$ 1,621	$ 4.2811	$ -	$ 1,621	
19	Nov-12	Nov-12	Trans	$ 715	44,193	N/A		$ 2,722	$ 0.0616			$ 1,697		$ 1	$ 5,135	$ 3,437	$ 4.2811	$ -	$ 3,437	
20	Nov-12	Nov-12	Trans	$ 715	65,032	N/A		$ 4,006	$ 0.0616		$ 11	$ 2,497		$ 1	$ 7,230	$ 4,721	$ 4.2811	$ -	$ 4,721	
24	Nov-12	Nov-12	Trans	$ 715	0	N/A					$ 22	$ -		$ 1	$ 738	$ 715	$ 4.2811	$ -	$ 715	
25	Nov-12	Nov-12	Trans	$ 485	57,852	N/A		$ 3,564	$ 0.0616		$ 194	$ 2,222		$ 1	$ 6,465	$ 4,049	$ 4.2811	$ -	$ 4,049	
28	Nov-12	Nov-12	Sales	$ 625	68,353	$ 29,263	$ 0.4281	$ 4,211	$ 0.0616			$ 2,625		$ 1	$ 36,724	$ 34,098	$ 4.2811	$ 29,263	$ 4,836	
29	Nov-12	Nov-12	Sales	$ 625	15,871	$ 6,795	$ 0.4281	$ 978	$ 0.0616		$ 279	$ 609		$ 1	$ 9,286	$ 8,397	$ 4.2811	$ 6,795	$ 1,603	
33	Nov-12	Nov-12	Sales	$ 405	6,031	$ 2,582	$ 0.4281	$ 1,160	$ 0.1923	$ 316	$ 135	$ 232		$ 1	$ 4,830	$ 4,146	$ 4.2811	$ 2,582	$ 1,565	
36	Nov-12	Nov-12	Trans	$ 715	98,594	N/A		$ 6,073	$ 0.0616		$ 327	$ 3,786		$ 1	$ 10,902	$ 6,788	$ 4.2811	$ -	$ 6,788	
45	Nov-12	Nov-12	Sales	$ 43	99	$ 42	$ 0.4281	$ 14	$ 0.1372	$ 7	$ 3	$ 4		$ 0	$ 114	$ 99	$ 4.2811	$ 42	$ 57	
54	Nov-12	Nov-12	Sales	$ 405		$ -					$ 1	$ -		$ 1	$ 406	$ 405	$ 4.2811	$ -	$ 405	
55	Nov-12	Nov-12	Trans	$ 715	10,422	N/A		$ 642	$ 0.0616		$ 3	$ 400		$ 1	$ 1,761	$ 1,357	$ 4.2811	$ -	$ 1,357	
67	Nov-12	Nov-12	Trans	$ 715	227	N/A		$ 14	$ 0.0616					$ 1	$ 730	$ 729	$ 4.2811	$ -	$ 729	
5	Dec-12	Dec-12	Trans	$ 485	34,470	N/A		$ 2,123	$ 0.0616		$ 122	$ 1,324		$ 1	$ 4,054	$ 2,608	$ 6.2621	$ -	$ 2,608	
6	Dec-12	Dec-12	Trans	$ 485	17,466	N/A		$ 1,076	$ 0.0616			$ 671		$ 1	$ 2,232	$ 1,561	$ 6.2621	$ -	$ 1,561	
8	Dec-12	Dec-12	Trans	$ 715	752,920	N/A		$ 46,380	$ 0.0616		$ 2,351	$ 28,912		$ 133	$ 78,491	$ 47,095	$ 6.2621	$ -	$ 47,095	
11	Dec-12	Dec-12	Trans	$ 275	0	N/A		$ -	$ 0.0616	$ 20	$ 9			$ 27	$ 331	$ 275	$ 6.2621	$ -	$ 275	
14	Dec-12	Dec-12	Sales	$ 625	319,842	$ 200,288	$ 0.6262	$ 24,500	$ 0.0766		$ 7,351	$ 12,282		$ 1	$ 245,047	$ 225,413	$ 6.2621	$ 200,288	$ 25,125	
15	Dec-12	Dec-12	Trans	$ 715	164,173	N/A		$ 10,113	$ 0.0616		$ 530	$ 6,304		$ 1	$ 17,663	$ 10,828	$ 6.2621	$ -	$ 10,828	
16	Dec-12	Dec-12	Trans	$ 715	378,613	$ 4,240		$ 29,002	$ 0.0766			$ 14,539		$ 523	$ 49,019	$ 33,957	$ 6.2621	$ 4,240	$ 29,717	curtailment of 1897 therms
17	Dec-12	Dec-12	Trans	$ 485	24,281	N/A		$ 1,496	$ 0.0616			$ 932		$ 1	$ 2,914	$ 1,981	$ 6.2621	$ -	$ 1,981	
19	Dec-12	Dec-12	Trans	$ 715	22,322	N/A		$ 1,375	$ 0.0616			$ 857		$ 27	$ 2,974	$ 2,090	$ 6.2621	$ -	$ 2,090	
20	Dec-12	Dec-12	Trans	$ 715	65,711	N/A		$ 4,048	$ 0.0616		$ 11	$ 2,523		$ 1	$ 7,298	$ 4,763	$ 6.2621	$ -	$ 4,763	
24	Dec-12	Dec-12	Trans	$ 715	0	N/A		$ -			$ 22	$ -		$ 222	$ 959	$ 715	$ 6.2621	$ -	$ 715	
25	Dec-12	Dec-12	Trans	$ 485	60,117	N/A		$ 3,703	$ 0.0616		$ 201	$ 2,308		$ 202	$ 6,900	$ 4,188	$ 6.2621	$ -	$ 4,188	
28	Dec-12	Dec-12	Sales	$ 625	55,334	$ 34,650	$ 0.6262	$ 3,409	$ 0.0616			$ 2,125		$ 1	$ 40,810	$ 38,684	$ 6.2621	$ 34,650	$ 4,034	
29	Dec-12	Dec-12	Sales	$ 625	5,959	$ 3,731	$ 0.6262	$ 367	$ 0.0616		$ 153	$ 229		$ 1	$ 5,106	$ 4,723	$ 6.2621	$ 3,731	$ 992	
33	Dec-12	Dec-12	Sales	$ 405	10,672	$ 6,683	$ 0.6262	$ 2,052	$ 0.1923	$ 1,176	$ 504	$ 410		$ 1	$ 11,230	$ 9,140	$ 6.2621	$ 6,683	$ 2,457	
33	Dec-12	Dec-12	Sales		2,850	$ 6,739									$ 6,739	$ 6,739	$ 6.2621	$ 6,739	$ -	curtailment of 2850 therms
36	Dec-12	Dec-12	Trans	$ 715	92,333	N/A		$ 5,688	$ 0.0616		$ 308	$ 3,546		$ 1	$ 10,257	$ 6,403	$ 6.2621	$ -	$ 6,403	
54	Dec-12	Dec-12	Sales	$ 405	0			$ -			$ 1	$ -		$ 1	$ 406	$ 405	$ 6.2621	$ -	$ 405	
55	Dec-12	Dec-12	Trans	$ 715	14,363	$ 7,592		$ 885	$ 0.0616		$ 15	$ 552		$ 23	$ 9,782	$ 9,192	$ 6.2621	$ 7,592	$ 1,600	curtailment of 1320 therms
67	Dec-12	Dec-12	Trans	$ 715	0	N/A		$ -	$ 0.0616					$ 1	$ 716	$ 715	$ 6.2621	$ -	$ 715	
5	Jan-13	Jan-13	Trans	$ 485	8,080	N/A		$ 498	$ 0.0616		$ 41	$ 335		$ 1	$ 1,359	$ 983	$ 7.2122	$ -	$ 983	
6	Jan-13	Jan-13	Trans	$ 485	0	N/A		$ -	$ 0.0616			$ -		$ 1	$ 486	$ 485	$ 7.2122	$ -	$ 485	
8	Jan-13	Jan-13	Trans	$ 715	465,416	N/A		$ 28,670	$ 0.0616		$ 1,505	$ 19,268		$ 68	$ 50,226	$ 29,385	$ 7.2122	$ -	$ 29,385	
11	Jan-13	Jan-13	Trans	$ 275	0	N/A		$ -	$ 0.0616	$ 20	$ 9			$ 22	$ 325	$ 275	$ 7.2122	$ -	$ 275	
14	Jan-13	Jan-13	Sales	$ 625	236,599	$ 170,640	$ 0.7212	$ 18,124	$ 0.0766		$ 6,160	$ 9,795		$ 1	$ 205,345	$ 189,389	$ 7.2122	$ 170,640	$ 18,749	
15	Jan-13	Jan-13	Trans	$ 715	129,548	N/A		$ 7,980	$ 0.0616		$ 435	$ 5,363		$ 1	$ 14,494	$ 8,695	$ 7.2122	$ -	$ 8,695	
16	Jan-13	Jan-13	Trans	$ 715	282,449	N/A		$ 21,636	$ 0.0766			$ 11,693		$ 1	$ 34,045	$ 22,351	$ 7.2122	$ -	$ 22,351	
17	Jan-13	Jan-13	Trans	$ 485	8,481	N/A		$ 522	$ 0.0616			$ 351		$ 1	$ 1,359	$ 1,007	$ 7.2122	$ -	$ 1,007	
19	Jan-13	Jan-13	Trans	$ 715	0	N/A		$ -	$ 0.0616					$ 27	$ 742	$ 715	$ 7.2122	$ -	$ 715	
20	Jan-13	Jan-13	Trans	$ 715	49,420	N/A		$ 3,044	$ 0.0616		$ 9	$ 2,046		$ 1	$ 5,815	$ 3,759	$ 7.2122	$ -	$ 3,759	

National Grid - RI Gas
On-System Margin Details (Non-Firm)

Assigned #	Month Charges Apply To	Banner 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	Total revenue	Revenue subject to Margin Sharing	Gas Cost per Dth	Total Gas Cost	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
24	Jan-13	Jan-13	Trans	$ 715	0	N/A		$ -			$ 22	$ -		$ 121	$ 858	$ 715	$ 7.2122	$ -	$ 715	
25	Jan-13	Jan-13	Trans	$ 485	44,779	N/A		$ 2,758	$ 0.0616		$ 158	$ 1,854		$ 94	$ 5,349	$ 3,243	$ 7.2122	$ -	$ 3,243	
28	Jan-13	Jan-13	Sales	$ 625	0	$ -		$ -	$ 0.0616			$ -		$ 1	$ 626	$ 625	$ 7.2122	$ -	$ 625	
29	Jan-13	Jan-13	Sales	$ 625	0	$ -		$ -	$ 0.0616		$ 19	$ -		$ 1	$ 645	$ 625	$ 7.2122	$ -	$ 625	
33	Jan-13	Jan-13	Sales	$ 405	13,048	$ 2,493	$ 0.7212	$ 665	$ 0.1923	$ 1,397	$ 599	$ 143		$ 1	$ 5,701	$ 3,562	$ 7.2122	$ 2,493	$ 1,070	
33	Jan-13	Jan-13	Sales		9,592	$ 15,646									$ 15,646	$ 15,646	$ 7.2122	$ 15,646	$ -	curtailment of 9592 therms
36	Jan-13	Jan-13	Trans	$ 715	72,343	N/A		$ 4,456	$ 0.0616		$ 253	$ 2,995		$ 1	$ 8,420	$ 5,171	$ 7.2122	$ -	$ 5,171	
54	Jan-13	Jan-13	Sales	$ 405	0			$ -			$ 1	$ -		$ 1	$ 406	$ 405	$ 7.2122	$ -	$ 405	
55	Jan-13	Jan-13	Trans	$ 715	24,837	$ 3,206		$ 1,530	$ 0.0616		$ 10	$ 1,028		$ 36	$ 6,525	$ 5,451	$ 7.2122	$ 3,206	$ 2,245	curtailment of 2127 therms
67	Jan-13	Jan-13	Trans	$ 715	0	N/A		$ -	$ 0.0616					$ 1	$ 716	$ 715	$ 7.2122	$ -	$ 715	
5	Feb-13	Feb-13	Trans	$ 485	13,109	N/A		$ 961	$ 0.0733		$ 62	$ 547		$ 1	$ 2,055	$ 1,446	$ 7.2988	$ -	$ 1,446	
6	Feb-13	Feb-13	Trans	$ 485	0	N/A		$ -	$ 0.0733			$ -		$ 1	$ 486	$ 485	$ 7.2988	$ -	$ 485	
8	Feb-13	Feb-13	Trans	$ 715	625,416	N/A		$ 45,843	$ 0.0733		$ 2,247	$ 26,080		$ 1	$ 74,885	$ 46,558	$ 7.2988	$ -	$ 46,558	
11	Feb-13	Feb-13	Trans	$ 275	0	N/A		$ -	$ 0.0733	$ 20	$ 9			$ 1	$ 304	$ 275	$ 7.2988	$ -	$ 275	
14	Feb-13	Feb-13	Sales	$ 625	335,469	$ 244,852	$ 0.7299	$ 30,595	$ 0.0912		$ 8,971	$ 13,989		$ 1	$ 299,033	$ 276,072	$ 7.2988	$ 244,852	$ 31,220	
15	Feb-13	Feb-13	Trans	$ 715	183,495	N/A		$ 13,450	$ 0.0733		$ 675	$ 7,652		$ 1	$ 22,492	$ 14,165	$ 7.2988	$ -	$ 14,165	
16	Feb-13	Feb-13	Trans	$ 715	399,019	N/A		$ 36,391	$ 0.0912			$ 16,639		$ 40	$ 53,785	$ 37,106	$ 7.2988	$ -	$ 37,106	
17	Feb-13	Feb-13	Trans	$ 485	826	N/A		$ 61	$ 0.0733			$ 34		$ 1	$ 581	$ 546	$ 7.2988	$ -	$ 546	
19	Feb-13	Feb-13	Trans	$ 715	0	N/A		$ -	$ 0.0733					$ 1	$ 716	$ 715	$ 7.2988	$ -	$ 715	
20	Feb-13	Feb-13	Trans	$ 715	69,191	N/A		$ 5,072	$ 0.0733		$ 23	$ 2,885	$ (0)	$ 1	$ 8,696	$ 5,786	$ 7.2988	$ -	$ 5,786	
20	Feb-13	Feb-13	Trans		471	N/A		$ 6,465							$ 6,465	$ 6,465	$ 7.2988	$ -	$ 6,465	curtailment of 471 therms
24	Feb-13	Feb-13	Trans	$ 715	0	N/A		$ -			$ 22	$ -		$ 1	$ 738	$ 715	$ 7.2988	$ -	$ 715	
25	Feb-13	Feb-13	Trans	$ 485	65,194	N/A		$ 4,779	$ 0.0733		$ 247	$ 2,719		$ 1	$ 8,230	$ 5,264	$ 7.2988	$ -	$ 5,264	
28	Feb-13	Feb-13	Sales	$ 625	0	$ -		$ -				$ -		$ 1	$ 626	$ 625	$ 7.2988	$ -	$ 625	
29	Feb-13	Feb-13	Sales	$ 625	0	$ -		$ -			$ 19	$ -		$ 1	$ 645	$ 625	$ 7.2988	$ -	$ 625	
33	Feb-13	Feb-13	Sales	$ 405	13,388	$ 9,772	$ 0.7299	$ 2,953	$ 0.2206	$ 988	$ 423	$ 558		$ 1	$ 15,100	$ 13,130	$ 7.2988	$ 9,772	$ 3,358	
36	Feb-13	Feb-13	Trans	$ 715	110,341	N/A		$ 8,088	$ 0.0733		$ 415	$ 4,601		$ 1	$ 13,820	$ 8,803	$ 7.2988	$ -	$ 8,803	
54	Feb-13	Feb-13	Sales	$ 405	0			$ -			$ 1	$ -		$ 1	$ 406	$ 405	$ 7.2988	$ -	$ 405	
55	Feb-13	Feb-13	Trans	$ 715	13,374	N/A		$ 980	$ 0.0733		$ 3	$ 558		$ 1	$ 2,257	$ 1,695	$ 7.2988	$ -	$ 1,695	
67	Feb-13	Feb-13	Trans	$ 715	227	N/A		$ 17	$ 0.0733					$ 1	$ 732	$ 732	$ 7.2988	$ -	$ 732	
5	Mar-13	Mar-13	Trans	$ 485	30,957	N/A		$ 2,269	$ 0.0733		$ 125	$ 1,291		$ 18	$ 4,188	$ 2,754	$ 5.4590	$ -	$ 2,754	
6	Mar-13	Mar-13	Trans	$ 485	4	N/A		$ 0	$ 0.0733			$ 0		$ 1	$ 486	$ 485	$ 5.4590	$ -	$ 485	
8	Mar-13	Mar-13	Trans	$ 715	649,230	N/A		$ 47,589	$ 0.0733		$ 2,331	$ 27,073		$ 138	$ 77,845	$ 48,304	$ 5.4590	$ -	$ 48,304	
11	Mar-13	Mar-13	Trans	$ 275	0	N/A		$ -	$ 0.0733	$ 20	$ 9			$ 46	$ 350	$ 275	$ 5.4590	$ -	$ 275	
14	Mar-13	Mar-13	Sales	$ 625	377,716	$ 206,195	$ 0.5459	$ 34,448	$ 0.0912		$ 7,949	$ 15,751		$ 1	$ 264,969	$ 241,268	$ 5.4590	$ 206,195	$ 35,073	
15	Mar-13	Mar-13	Trans	$ 715	207,331	N/A		$ 15,197	$ 0.0733		$ 760	$ 8,646		$ 1	$ 25,318	$ 15,912	$ 5.4590	$ -	$ 15,912	
16	Mar-13	Mar-13	Trans	$ 715	417,703	N/A		$ 38,095	$ 0.0912			$ 17,418		$ 673	$ 56,901	$ 38,810	$ 5.4590	$ -	$ 38,810	
17	Mar-13	Mar-13	Trans	$ 485	17,037	N/A		$ 1,249	$ 0.0733			$ 710		$ 1	$ 2,445	$ 1,734	$ 5.4590	$ -	$ 1,734	
19	Mar-13	Mar-13	Trans	$ 715	3,031	N/A		$ 222	$ 0.0733			$ 126		$ 53	$ 1,117	$ 937	$ 5.4590	$ -	$ 937	
20	Mar-13	Mar-13	Trans	$ 715	92,141	N/A		$ 6,754	$ 0.0733		$ 17	$ 3,842	$ (0)	$ 110	$ 11,438	$ 7,469	$ 5.4590	$ -	$ 7,469	
24	Mar-13	Mar-13	Trans	$ 715	0	N/A		$ -			$ 22	$ -		$ 215	$ 952	$ 715	$ 5.4590	$ -	$ 715	
25	Mar-13	Mar-13	Trans	$ 485	68,534	N/A		$ 5,024	$ 0.0733		$ 259	$ 2,858		$ 94	$ 8,720	$ 5,509	$ 5.4590	$ -	$ 5,509	
28	Mar-13	Mar-13	Sales	$ 625	993	$ 542	$ 0.5459	$ 73	$ 0.0733			$ 41		$ 1	$ 1,282	$ 1,240	$ 5.4590	$ 542	$ 698	
29	Mar-13	Mar-13	Sales	$ 625	0	$ -		$ -			$ 19	$ -		$ 1	$ 645	$ 625	$ 5.4590	$ -	$ 625	
33	Mar-13	Mar-13	Sales	$ 405	1,063	$ 580	$ 0.5459	$ 234	$ 0.2206	$ 91	$ 39	$ 44		$ 190	$ 1,584	$ 1,220	$ 5.4590	$ 580	$ 639	
36	Mar-13	Mar-13	Trans	$ 715	126,314	N/A		$ 9,259	$ 0.0733		$ 471	$ 5,267		$ 1	$ 15,713	$ 9,974	$ 5.4590	$ -	$ 9,974	
54	Mar-13	Mar-13	Sales	$ 405	1	$ 1	$ 0.5459	$ 0	$ 0.2206		$ 1	$ 0		$ 1	$ 407	$ 406	$ 5.4590	$ 1	$ 405	
55	Mar-13	Mar-13	Trans	$ 715	2,301	N/A		$ 169	$ 0.0733		$ 2	$ 96		$ 2,982	$ 3,963	$ 884	$ 5.4590	$ -	$ 884	
67	Mar-13	Mar-13	Trans	$ 715	1,236	N/A		$ 91	$ 0.0733					$ 1	$ 806	$ 806	$ 5.4590	$ -	$ 806	
					15,950,654										**$ 3,136,151**	**$ 2,467,392**		**$ 1,262,193**	**$ 1,205,199**	

Schedule
MCS-7

Schedule MCS-7
Reconciliation Factors

National Grid - RI Gas
Reconciliation Factor effective November 1, 2013

Section 1: Reconciliation of Prior Year DAC Factors (All Rate Classes)

Line No.	Description	Attachment	Page #	Ending Balance		Period
1	System Pressure	MCS-7	Page 2, line 24	$718,383		Based on Nov 12-Oct 13
2	Environmental - DAC	MCS-7	Page 2, line 33	($16,631)		
3	On-System Margin Credits	MCS-7	Page 3, line 60	$19,939		
4	CapEx/ARP	MCS-7	Page 4, line 87+96	$714,288		
5	Pension	MCS-7	Page 3, line 69	($16,264)		
6	PBOP	MCS-7	Page 3, line 78	($90,546)		
7	Previous Reconciliation Factor	MCS-7	Page 3, line 42	$30,946		
8	SQP Factor	MCS-7	Page 4, line 105	$3,073		
9	True-up October 12	MCS-7	Page 6, line 10	$94,239		Based on Actual Oct 12 vs. Oct 12 Forecast
10	True-up October 11	MCS-7	Page 7, line 10	$46,754		Based on Actual Oct 11 vs. Oct 11 Forecast
11	AGT Interest on Fund balance	MCS-3	Page 2, line 13	($21,597)		Based on Jul 12-Mar 13
12	Sub Total		Sum ([1]:[11])	$1,482,583		
13	Firm Throughput		Nov 2013 - Oct 2014	38,500,653	dth	
14	Reconciliation Factor		[15] * 10	$0.0385	per dth	
15	Reconciliation Factor		[12] / [13] / 10	**$0.0038**	**per therm**	

Section 2: Revenue Decoupling Mechanism Reconciliation

Line No.	Description	Attachment	Page #	Ending Balance		Period
16	RDA Reconciliation	MCS-7	Page 6, line 13	$676,093		Based on Nov 12-Oct 13
17	Sub Total		[16]	$676,093		
18	Firm Throughput, Residential, Small & Medium C&I		Nov 2013 - Oct 2014	26,725,365	dth	
19	RDA Reconciliation Factor		[20] * 10	$0.0252	per dth	
20	RDA Reconciliation Factor		[17] / [18] / 10	**$0.0025**	**per therm**	

Section 3: Reconciliation of Prior year DAC Factors (Large & X-Large Only)

Line No.	Description	Attachment	Page #	Ending Balance		Period
21	AGT Factor - Base Rates	MCS-7	Page 5	($2,317)		Based on ending balance June 30, 2012
22	LIAP Factor - Base Rates	MCS-7	Page 5	($13,787)		
23	Environmental - Base Rates	MCS-7	Page 5	($10,115)		
24	Previous Reconciliation Factor	MCS-7	Page 3	$160		Based on Nov 12-Oct 13
25	Sub Total		Sum ([21]:[24])	($26,059)		
26	Firm Throughput, Large and Extra Large C&I		Nov 2012 - Oct 2013	11,775,289	dth	
27	L / XL Reconciliation Factor		[28] * 10	($0.0022)	per dth	
28	L / XL Reconciliation Factor[1]		[25] / [26] /10	**($0.0002)**	**per therm**	

[1] This rate will be combined with the Reconciliation factor of $0.0036 per therm for an overall Large and Extra Large Reconciliation factor of $0.0034 per therm

National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components

Line No.		Nov-12 30 Actual (a)	Dec-12 31 Actual (b)	Jan-13 31 Actual (c)	Feb-13 28 Actual (d)	Mar-13 31 Actual (e)	Apr-13 30 Actual (f)	May-13 31 Actual (g)	Jun-13 30 Actual (h)	Jul-13 31 Forecast (i)	Aug-13 31 Forecast (j)	Sep-13 30 Forecast (k)	Oct-13 31 Forecast (l)	12 month End
		Prorated (63%/37%)			**Prorated (68%/32%)**									
1	System Pressure	$0.028	$0.030	$0.030	$0.030	$0.029	$0.030	$0.030	$0.030	$0.030	$0.030	$0.030	$0.030	
2	Environmental Response Credit (ERC)	($0.006)	($0.019)	($0.019)	($0.019)	($0.018)	($0.019)	($0.019)	($0.019)	($0.019)	($0.019)	($0.019)	($0.019)	
3	Reconciliation Factor (R)	$0.001	$0.014	$0.014	$0.014	$0.013	$0.014	$0.014	$0.014	$0.014	$0.014	$0.014	$0.014	
4	Reconciliation Factor (R) (L-XL)	($0.002)	$0.006	$0.006	$0.006	$0.006	$0.006	$0.006	$0.006	$0.006	$0.006	$0.006	$0.006	
5	On System Margin Credit Factor (MC)	($0.022)	($0.021)	($0.021)	($0.021)	($0.020)	($0.021)	($0.021)	($0.021)	($0.021)	($0.021)	($0.021)	($0.021)	
6	Pension	$0.072	$0.069	$0.070	$0.070	$0.067	$0.069	$0.071	$0.070	$0.070	$0.070	$0.070	$0.070	
7	Post-Retirement Benefits (PBOP)	$0.021	($0.014)	($0.014)	($0.014)	($0.013)	($0.014)	($0.014)	($0.014)	($0.014)	($0.014)	($0.014)	($0.014)	
8	Capital Expenditure Tracker (CAPX)	($0.057)	($0.056)	($0.057)	($0.039)	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	
9	Accelerated Replacement Program (ARP)	$0.061	$0.061	$0.062	$0.042	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	
10	Earning Sharing Mechanism	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	
11	Low Income Assistance Programs (LIAP)	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	
12	Service Quality Performance	($0.001)	($0.004)	($0.004)	($0.004)	($0.004)	($0.004)	($0.004)	($0.004)	($0.004)	($0.004)	($0.004)	($0.004)	
13	RI Firm throughput (dth)	2,222,680	4,415,901	5,278,973	6,311,705	5,105,636	4,487,733	2,087,298	1,230,842	1,209,300	1,140,732	1,202,406	1,384,542	36,077,745
14	RI Firm Res H, NH, Small & Medium throughput (dth	1,441,819	3,097,770	4,052,417	4,692,583	4,030,407	3,138,973	1,608,038	843,253	710,362	636,312	664,373	806,182	25,722,487
15	RI Firm L-XL Firm through-put (dth)	780,862	1,318,131	1,226,556	1,619,122	1,075,228	1,348,760	479,260	387,588	498,938	504,420	538,032	578,360	10,355,258
16	**System Pressure Recon Adjust.**													
17	System Pressure Acct Beg. Balance	$0	$118,113	$111,692	$612,188	$712,141	$722,208	$713,431	$775,064	$863,153	$827,771	$794,409	$759,135	$7,009,305
18	Actual Costs	$179,911	$124,524	$658,473	$289,116	$155,629	$124,066	$124,066	$124,066	$0	$0	$0	$0	$1,779,849
19	Actual Revenue	$61,858	$131,067	$158,361	$189,797	$146,323	$133,580	$63,223	$36,818	$36,279	$34,222	$36,072	$41,536	$1,069,136
20	Ending Balance	$118,053	$111,570	$611,804	$711,507	$721,447	$712,694	$774,274	$862,311	$826,874	$793,549	$758,337	$717,599	$7,720,018
21	Average Monthly Balance	$59,026	$114,842	$361,748	$661,847	$716,794	$717,451	$743,853	$818,688	$845,013	$810,660	$776,373	$738,367	$7,364,661
22	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
23	Interest Applied	$61	$122	$384	$635	$761	$737	$790	$841	$897	$861	$798	$784	$7,669
24	Sys Pressure End Balance	$118,113	$111,692	$612,188	$712,141	$722,208	$713,431	$775,064	$863,153	$827,771	$794,409	$759,135	$718,383	($718,383)
25	Under/(over) Recovery	$118,113	($6,422)	$500,496	$99,953	$10,067	($8,777)	$61,633	$88,089	($35,382)	($33,361)	($35,274)	($40,752)	
26	**Environmental Recon. Adjust - DAC**													
27	Environmental Acct Beg. Balance	($665,607)	($651,877)	($569,516)	($469,773)	($349,962)	($257,613)	($173,233)	($133,354)	($110,161)	($87,289)	($65,696)	($42,906)	($3,576,986)
28	Actual Environmental Revenue	($14,406)	($83,009)	($100,295)	($120,204)	($92,671)	($84,601)	($40,042)	($23,318)	($22,977)	($21,674)	($22,846)	($26,306)	($652,349)
29	Ending Environmental Balance	($651,201)	($568,868)	($469,221)	($349,569)	($257,291)	($173,012)	($133,191)	($110,036)	($87,184)	($65,615)	($42,850)	($16,600)	($2,924,637)
30	Average Monthly Balance	($658,404)	($610,373)	($519,369)	($409,671)	($303,626)	($215,313)	($153,212)	($121,695)	($98,672)	($76,452)	($54,273)	($29,753)	
31	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
32	Interest Applied	($676)	($648)	($551)	($393)	($322)	($221)	($163)	($125)	($105)	($81)	($56)	($32)	($3,373)
33	Environmental Recon End Balance	($651,877)	($569,516)	($469,773)	($349,962)	($257,613)	($173,233)	($133,354)	($110,161)	($87,289)	($65,696)	($42,906)	($16,631)	$6,504,997
34	Under/(over) Recovery	$13,730	$82,361	$99,744	$119,811	$92,349	$84,380	$39,879	$23,193	$22,872	$21,593	$22,790	$26,274	

		Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	
		30	31	31	28	31	30	31	30	31	31	30	31	
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	12 month End
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
35	**Reconciliation Factor (Applicable to all) - DAC**													
36	Recon Factor Acct Beg. Balance	$500,030	$498,810	$438,142	$364,666	$276,401	$208,374	$146,219	$116,855	$99,784	$82,951	$67,061	$50,287	
37	Actual Recon Revenue	$1,733	$61,165	$73,902	$88,572	$68,284	$62,337	$29,504	$17,182	$16,930	$15,970	$16,834	$19,384	$ 471,797
38	Ending Recon Balance	$498,297	$437,645	$364,240	$276,094	$208,117	$146,037	$116,715	$99,673	$82,854	$66,981	$50,227	$30,903	
39	Average Monthly Balance	$499,164	$468,227	$401,191	$320,380	$242,259	$177,206	$131,467	$108,264	$91,319	$74,966	$58,644	$40,595	
40	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
41	Interest Applied	$513	$497	$426	$307	$257	$182	$140	$111	$97	$80	$60	$43	$2,713
42	Reconciliation End Balance	$498,810	$438,142	$364,666	$276,401	$208,374	$146,219	$116,855	$99,784	$82,951	$67,061	$50,287	$30,946	
43	Under/(over) Recovery	$1,220	$60,668	$73,476	$88,265	$68,027	$62,155	$29,364	$17,071	$16,833	$15,890	$16,774	$19,341	
44	**Reconciliation Factor (L & XL)- DAC**													
45	Recon Factor Acct Beg. Balance	$55,173	$56,963	$49,194	$41,883	$32,181	$26,049	$18,041	$15,155	$12,850	$9,868	$6,850	$3,628	$327,834
46	Actual Recon Revenue (L & XL)	($1,732)	$7,825	$7,359	$9,738	$6,163	$8,030	$2,904	$2,319	$2,994	$3,027	$3,228	$3,470	$ 55,325
47	Ending Recon Balance	$56,905	$49,138	$41,835	$32,145	$26,018	$18,019	$15,137	$12,836	$9,856	$6,841	$3,622	$158	$272,509
48	Average Monthly Balance	$56,039	$53,050	$45,514	$37,014	$29,099	$22,034	$16,589	$13,995	$11,353	$8,355	$5,236	$1,893	
49	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
50	Interest Applied	$58	$56	$48	$35	$31	$23	$18	$14	$12	$9	$5	$2	$312
51	Reconciliation End Balance	$56,963	$49,194	$41,883	$32,181	$26,049	$18,041	$15,155	$12,850	$9,868	$6,850	$3,628	$160	
52	Under/(over) Recovery	($1,790)	$7,769	$7,311	$9,703	$6,132	$8,007	$2,886	$2,305	$2,982	$3,018	$3,223	$3,468	
53	**On-system Credits Recon. Adjust. - DAC**													
54	On-system Credit Acct Beg. Balance	($730,576)	($682,612)	($591,541)	($481,258)	($348,798)	($246,687)	($153,387)	($109,270)	($83,596)	($58,276)	($34,371)	($9,142)	($3,529,513)
55	Actual On-system Revenue	($48,690)	($91,747)	($110,852)	($132,858)	($102,426)	($93,506)	($44,256)	($25,773)	($25,395)	($23,955)	($25,251)	($29,075)	$ (753,784)
56	Ending On-system Balance	($681,886)	($590,865)	($480,689)	($348,400)	($246,372)	($153,181)	($109,131)	($83,497)	($58,201)	($34,321)	($9,120)	$19,933	($2,775,729)
57	Average Monthly Balance	($706,231)	($636,738)	($536,115)	($414,829)	($297,585)	($199,934)	($131,259)	($96,384)	($70,899)	($46,299)	($21,745)	$5,396	
58	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
59	Interest Applied	($726)	($676)	($569)	($398)	($316)	($205)	($139)	($99)	($75)	($49)	($22)	$6	($3,269)
60	On-system Credit End Balance	($682,612)	($591,541)	($481,258)	($348,798)	($246,687)	($153,387)	($109,270)	($83,596)	($58,276)	($34,371)	($9,142)	$19,939	
61	Under/(over) Recovery	$47,964	$91,071	$110,283	$132,460	$102,110	$93,301	$44,117	$25,674	$25,320	$23,906	$25,229	$29,081	
62	**Pension Adjustment**													
63	Pen Acct Beg. Balance	$2,481,524	$2,325,002	$2,021,486	$1,653,927	$1,212,441	$872,126	$561,175	$414,172	$328,643	$244,296	$164,662	$80,620	$12,360,074
64	Actual Pension Revenue	$158,990	$305,822	$369,509	$442,859	$341,421	$311,687	$147,521	$85,910	$84,651	$79,851	$84,168	$96,918	$ 2,509,307
65	Ending Pension Balance	$2,322,534	$2,019,180	$1,651,977	$1,211,068	$871,020	$560,439	$413,654	$328,262	$243,992	$164,445	$80,494	($16,298)	$9,850,767
66	Average Monthly Balance	$2,402,029	$2,172,091	$1,836,731	$1,432,497	$1,041,731	$716,283	$487,415	$371,217	$286,318	$204,371	$122,578	$32,161	
67	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
68	Interest Applied	$2,468	$2,306	$1,950	$1,374	$1,106	$736	$517	$381	$304	$217	$126	$34	$11,519
69	Pension Adjustment End Balance	$2,325,002	$2,021,486	$1,653,927	$1,212,441	$872,126	$561,175	$414,172	$328,643	$244,296	$164,662	$80,620	($16,264)	
70	Under/(over) Recovery	($156,522)	($303,516)	($367,559)	($441,485)	($340,315)	($310,951)	($147,004)	($85,529)	($84,347)	($79,634)	($84,042)	($96,884)	
71	**PBOP Adjustment**													
72	PBOP Acct Beg. Balance	($510,699)	($557,731)	($497,125)	($423,712)	($335,504)	($267,540)	($205,445)	($176,144)	($159,134)	($142,364)	($126,537)	($109,824)	($3,511,757)
73	Actual PBOP Revenue	$46,483	($61,165)	($73,902)	($88,572)	($68,284)	($62,337)	($29,504)	($17,182)	($16,930)	($15,970)	($16,834)	($19,384)	$ (423,581)
74	Ending PBOP Balance	($557,182)	($496,566)	($423,223)	($335,140)	($267,220)	($205,203)	($175,941)	($158,962)	($142,204)	($126,394)	($109,703)	($90,440)	($3,088,176)
75	Average Monthly Balance	($533,941)	($527,148)	($460,174)	($379,426)	($301,362)	($236,371)	($190,693)	($167,553)	($150,669)	($134,379)	($118,120)	($100,132)	
76	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
77	Interest Applied	($549)	($560)	($489)	($364)	($320)	($243)	($202)	($172)	($160)	($143)	($121)	($106)	($3,428)
78	PBOP Adjustment End Balance	($557,731)	($497,125)	($423,712)	($335,504)	($267,540)	($205,445)	($176,144)	($159,134)	($142,364)	($126,537)	($109,824)	($90,546)	
79	Under/(over) Recovery	($47,032)	$60,605	$73,413	$88,208	$67,964	$62,094	$29,302	$17,010	$16,770	$15,827	$16,713	$19,278	

		Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	
		30	31	31	28	31	30	31	30	31	31	30	31	
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	12 month End
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
80	**Capital Tracker**													
81	CXT Acct Beg. Balance	($952,602)	($826,626)	($578,344)	($277,912)	$0	$0	$0	$0	$0	$0	$0	$0	($2,635,484)
82	Actual CXT Revenue	($126,890)	($249,027)	($300,886)	($245,218)	$0	$0	$0	$0	$0	$0	$0	$0	$ (922,021)
83	Ending CXT Balance	($825,712)	($577,599)	($277,458)	($32,694)	$0	$0	$0	$0	$0	$0	$0	$0	($1,713,463)
84	Average Monthly Balance	($889,157)	($702,112)	($427,901)	($155,303)	$0	$0	$0	$0	$0	$0	$0	$0	
85	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
86	Interest Applied	($914)	($745)	($454)	($149)	$0	$0	$0	$0	$0	$0	$0	$0	($2,262)
87	Capital Tracker Adjustment End Balance	($826,626)	($578,344)	($277,912)	($32,843)	$0	$0	$0	$0	$0	$0	$0	($32,843)	
88	Under/(over) Recovery	$125,976	$248,282	$300,432	$245,069	$0	$0	$0	$0	$0	$0	$0	($32,843)	
89	**ARP Tracker**													
90	ARP Acct Beg. Balance	$1,741,944	$1,608,355	$1,339,046	$1,013,015	$0	$0	$0	$0	$0	$0	$0	$0	$5,702,360
91	Actual ARP Revenue	$135,309	$270,872	$327,279	$266,728	$0	$0	$0	$0	$0	$0	$0	$0	$ 1,000,188
92	Ending ARP Balance	$1,606,635	$1,337,483	$1,011,767	$746,287	$0	$0	$0	$0	$0	$0	$0	$0	$4,702,172
93	Average Monthly Balance	$1,674,289	$1,472,919	$1,175,407	$879,651	$0	$0	$0	$0	$0	$0	$0	$0	
94	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
95	Interest Applied	$1,720	$1,564	$1,248	$844	$0	$0	$0	$0	$0	$0	$0	$0	$5,375
96	ARP Tracker Adjustment End Balance	$1,608,355	$1,339,046	$1,013,015	$747,131	$0	$0	$0	$0	$0	$0	$0	$747,131	
97	Under/(over) Recovery	($133,589)	($269,308)	($326,031)	($265,884)	$0	$0	$0	$0	$0	$0	$0	$747,131	
98	**SQP Tracker**													
99	SQP Acct Beg. Balance	($133,935)	($130,739)	($113,392)	($92,387)	($67,157)	($47,708)	($29,937)	($21,534)	($16,645)	($11,823)	($7,270)	($2,465)	($674,992)
100	Actual SQP Revenue	($3,332)	($17,476)	($21,115)	($25,306)	($19,510)	($17,811)	($8,430)	($4,909)	($4,837)	($4,563)	($4,810)	($5,538)	$ (137,637)
101	Ending SQP Balance	($130,603)	($113,263)	($92,277)	($67,081)	($47,647)	($29,897)	($21,507)	($16,625)	($11,808)	($7,260)	($2,460)	$3,073	($537,355)
102	Average Monthly Balance	($132,269)	($122,001)	($102,835)	($79,734)	($57,402)	($38,802)	($25,722)	($19,080)	($14,226)	($9,541)	($4,865)	$304	
103	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
104	Interest Applied	($136)	($130)	($109)	($76)	($61)	($40)	($27)	($20)	($15)	($10)	($5)	$0	($629)
105	SQP Tracker Adjustment End Balance	($130,739)	($113,392)	($92,387)	($67,157)	($47,708)	($29,937)	($21,534)	($16,645)	($11,823)	($7,270)	($2,465)	$3,073	
106	Under/(over) Recovery	$3,196	$17,346	$21,006	$25,230	$19,449	$17,771	$8,403	$4,889	$4,822	$4,553	$4,805	$5,538	
107													Total Under (Over) Recoveries	$1,363,347

Column (a), Line 27, per Docket No. 4339, MCS 4 Ln14
Column (a), Line 36, per Docket No. 4339, MCS 9R Ln 12
Column (a), Line 45, per Docket No. 4339, MCS 9R, Ln 4
Column (a), Line 54, per Docket No. 4339, MCS 7, Ln 3
Column (a), Line 63, per Docket No. 4339, MCS 5, Ln 1
Column (a), Line 72, per Docket No. 4339, MCS 5, Ln 5
Column (a), Line 81, calculated as described in Testimony, page 16 at 14
Column (a), Line 90, calculated as described in Testimony, page 17 at 21
Column (a), Line 99, per Docket No. 4339, MCS 8, Ln 1
Column (l), Line 108 = Sum(Column L, 24+33+42+51+60+69+78+87+96+105)

National Grid - RI Gas
Base Rate / Fiscal Year Reconciling Components

Line No.		Jul-12 31 Actual (a)	Aug-12 31 Actual (b)	Sep-12 30 Actual (c)	Oct-12 31 Actual (d)	Nov-12 30 Actual (e)	Dec-12 31 Actual (f)	Jan-13 31 Actual (g)	Feb-13 28 Actual (h)	Mar-13 31 Actual (i)	9 month End
	DAC FACTORS: $/dth										
1	AGT Factor - Base Rates	$0.0083	$0.0083	$0.0083	$0.0083	$0.0083	$0.0083	$0.0083	$0.0084	$0.0084	
2	LIAP Factor - Base Rates	$0.0495	$0.0495	$0.0495	$0.0495	$0.0495	$0.0495	$0.0495	$0.0500	$0.0500	
3	Environmental - Base Rates	$0.0363	$0.0363	$0.0363	$0.0363	$0.0363	$0.0363	$0.0363	$0.0367	$0.0367	
	RI Firm Throughput (dth) Feb 13 - Jan 14 (Rate Year)										35,678,072
4	RI Firm Throughput (dth)	1,129,595	1,085,833	1,119,620	1,284,548	2,222,680	4,415,901	5,278,973	6,311,705	5,105,636	27,954,490
5	Actual RI Firm L-XL Firm through-put (dth)	468,944	482,276	534,560	522,569	780,862	1,318,131	1,226,556	1,619,122	1,075,228	8,028,248
	AGT Recon. Adjustment - Base Rates L-XL								**9 month Target Revenue L-XL**		**$64,707**
6	AGT Recon. Acct Beg. Bal.	$0	$301	$535	$627	$1,356	$1,618	($377)	($344)	($3,326)	
7	Fcst Firm Through-put L-XL	505,120	510,514	545,408	610,245	812,193	1,078,212	1,230,624	1,264,681	1,195,353	7,752,348
8	Fcst AGT Revenue	$4,202	$4,246	$4,537	$5,076	$6,756	$8,969	$10,236	$10,634	$10,051	64,707
9	Actual Firm Through-put L-XL	468,944	482,276	534,560	522,569	780,862	1,318,131	1,226,556	1,619,122	1,075,228	8,028,248
10	Actual AGT Revenue	$3,901	$4,012	$4,446	$4,347	$6,495	$10,964	$10,203	$13,614	$9,041	67,023
11	Revenue Variance	$301	$234	$91	$729	$261	($1,995)	$33	($2,980)	$1,010	
12	Ending Balance	$301	$535	$626	$1,356	$1,617	($377)	($344)	($3,324)	($2,316)	
13	Average Balance	$151	$268	$313	$678	$809	($188)	($172)	($1,662)	($1,158)	
14	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
15	Interest Applied	$0	$0	$0	$1	$1	($0)	($0)	($2)	($1)	($1)
16	AGT End Balance	$301	$535	$627	$1,356	$1,618	($377)	($344)	($3,326)	($2,317)	**($2,317)**
17	Under/(over) Recovery	$301	$234	$91	$730	$262	($1,995)	$33	($2,982)	$1,009	
	LIAP Recon. Adjustment - Base Rates L-XL								**9 month Target Revenue L-XL**		**$385,004**
18	LIAP Recon. Acct Beg. Bal.	$0	$1,792	$3,192	$3,731	$8,076	$9,636	($2,235)	($2,036)	($19,779)	
19	Fcst Firm Through-put L-XL	505,120	510,514	545,408	610,245	812,193	1,078,212	1,230,624	1,264,681	1,195,353	7,752,348
20	Fcst LIAP Revenue	$25,000	$25,266	$26,993	$30,202	$40,197	$53,363	$60,906	$63,273	$59,804	$385,004
21	Actual Firm Through-put L-XL	468,944	482,276	534,560	522,569	780,862	1,318,131	1,226,556	1,619,122	1,075,228	8,028,248
22	Actual LIAP Revenue	$23,209	$23,869	$26,457	$25,863	$38,647	$65,237	$60,705	$81,006	$53,794	$398,787
23	Revenue Variance	$1,791	$1,397	$536	$4,339	$1,550	($11,874)	$201	($17,733)	$6,010	
24	Ending Balance	$1,791	$3,189	$3,728	$8,070	$9,626	($2,238)	($2,034)	($19,769)	($13,769)	
25	Average Balance	$896	$2,490	$3,460	$5,901	$8,851	$3,699	($2,134)	($10,902)	($16,774)	
26	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
27	Interest Applied	$1	$3	$4	$6	$9	$4	($2)	($10)	($18)	($4)
28	LIAP End Balance	$1,792	$3,192	$3,731	$8,076	$9,636	($2,235)	($2,036)	($19,779)	($13,787)	**($13,787)**
29	Under/(over) Recovery	$1,792	$1,400	$540	$4,345	$1,559	($11,870)	$199	($17,743)	$5,992	
	Environmental Recon. Adjust - Base Rates L-XL								**9 month Target Revenue L-XL**		**$282,554**
30	Environmental Recon. Acct Beg. Bal.	$0	$1,315	$2,343	$2,739	$5,928	$7,074	($1,638)	($1,491)	($14,513)	
31	Fcst Firm Through-put L-XL	505,120	510,514	545,408	610,245	812,193	1,078,212	1,230,624	1,264,681	1,195,353	7,752,348
32	Fcst Environmental Revenue	$18,347	$18,543	$19,810	$22,165	$29,501	$39,163	$44,699	$46,436	$43,890	$282,554
33	Actual Firm Through-put L-XL	468,944	482,276	534,560	522,569	780,862	1,318,131	1,226,556	1,619,122	1,075,228	8,028,248
34	Actual Environmental Revenue	$17,033	$17,517	$19,416	$18,981	$28,362	$47,877	$44,551	$59,450	$39,479	$292,666
35	Revenue Variance	$1,314	$1,026	$394	$3,184	$1,139	($8,714)	$148	($13,014)	$4,411	
36	Ending Environmental Balance	$1,314	$2,341	$2,737	$5,923	$7,067	($1,640)	($1,490)	($14,505)	($10,102)	
37	Average Balance	$657	$1,828	$2,540	$4,331	$6,497	$2,717	($1,564)	($7,998)	($12,307)	
38	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
39	Interest Applied	$1	$2	$3	$5	$7	$3	($2)	($8)	($13)	($3)
40	Environmental End Balance	$1,315	$2,343	$2,739	$5,928	$7,074	($1,638)	($1,491)	($14,513)	($10,115)	**($10,115)**
41	Under/(over) Recovery	$1,315	$1,028	$397	$3,189	$1,146	($8,711)	$146	($13,022)	$4,398	

Column (a) - (g) based on Docket 3943 base rates
Column (h) - (i) based on Docket 4323 base rates

National Grid - RI Gas
RDA Reconciliation

Line No.		Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
		30	31	31	28	31	30	31	30	31	31	30	31	
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
	RDM Recon Rates $/decatherm	Prorated												
1	Res-NH, Res-H, Small, Medium	$0.1548	$0.4086	$0.4130	$0.4140	$0.3945	$0.4098	$0.4170	$0.4118	$0.4130	$0.4130	$0.4130	$0.4130	
	Actual Firm Throughput - decatherms													
2	Res-NH	47,689	82,212	103,184	114,165	104,552	88,456	55,392	37,045	29,995	27,280	27,901	28,447	746,319
3	Res-H	997,548	2,093,510	2,786,107	3,191,972	2,756,808	2,183,017	1,098,773	569,926	443,392	388,331	399,794	515,751	17,424,929
4	Small	106,317	270,534	400,419	483,371	386,145	278,735	128,656	49,170	53,665	47,990	48,259	48,988	2,302,250
5	Medium	290,265	651,514	762,706	903,074	782,902	588,764	325,217	187,113	183,310	172,711	188,419	212,996	5,248,990
6	Total	1,441,819	3,097,770	4,052,417	4,692,583	4,030,407	3,138,973	1,608,038	843,253	710,362	636,312	664,373	806,182	25,722,487
7	**RDM Acct Beg. Balance**	$10,783,071	$10,570,901	$9,315,691	$7,651,130	$5,714,935	$4,129,994	$2,847,307	$2,179,447	$1,834,250	$1,542,662	$1,281,363	$1,008,153	
8	Actual RDM Revenue	$223,134	$1,265,760	$1,673,563	$1,942,600	$1,590,164	$1,286,269	$670,527	$347,258	$293,380	$262,797	$274,386	$332,953	
9	Ending RDM Balance	$10,559,937	$9,305,141	$7,642,128	$5,708,529	$4,124,771	$2,843,725	$2,176,780	$1,832,189	$1,540,870	$1,279,865	$1,006,977	$675,199	
10	Average Monthly Balance	$10,671,504	$9,938,021	$8,478,910	$6,679,829	$4,919,853	$3,486,859	$2,512,044	$2,005,818	$1,687,560	$1,411,263	$1,144,170	$841,676	
11	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
12	Interest Applied	$10,964	$10,551	$9,002	$6,405	$5,223	$3,582	$2,667	$2,061	$1,792	$1,498	$1,176	$894	
13	RDM Recon End Balance	$10,570,901	$9,315,691	$7,651,130	$5,714,935	$4,129,994	$2,847,307	$2,179,447	$1,834,250	$1,542,662	$1,281,363	$1,008,153	$676,093	
14	Under/(over) Recovery	($212,170)	($1,255,209)	($1,664,562)	($1,936,195)	($1,584,941)	($1,282,687)	($667,860)	($345,197)	($291,588)	($261,299)	($273,211)	($332,060)	
	RDM Revenue per rate class													
15	Res-NH	$7,380	$33,592	$42,613	$47,261	$41,250	$36,247	$23,098	$15,255	$12,388	$11,267	$11,523	$11,749	$293,623
16	Res-H	$154,379	$855,416	$1,150,604	$1,321,389	$1,087,676	$894,543	$458,171	$234,700	$183,121	$160,381	$165,115	$213,005	$6,878,500
17	Small	$16,453	$110,541	$165,365	$200,102	$152,350	$114,218	$53,648	$20,248	$22,164	$19,820	$19,931	$20,232	$915,073
18	Medium	$44,921	$266,211	$314,982	$373,848	$308,888	$241,260	$135,611	$77,055	$75,707	$71,330	$77,817	$87,967	$2,075,595
19	Total	$223,134	$1,265,760	$1,673,563	$1,942,600	$1,590,164	$1,286,269	$670,527	$347,258	$293,380	$262,797	$274,386	$332,953	$10,162,791

1 RDM rates account for cancel, rebills, proration adjustments
6 Sum ([2]:[5])
7 (a) Beginning balance, Docket 4323, 2012 DAC + Interest calculated from April - October
15 [1] * [2]
16 [1] * [3]
17 [1] * [4]
18 [1] * [5]
19 Sum([15]:[18])

National Grid - RI Gas
ISR Reconciliation for FY 12

Line No.		Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
		30	31	31	28	31	30	31	30	31	31	30	31	
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
	ISR Recon Rates $/decatherm	Prorated												
1	Res-NH	$0.0176	$0.0465	$0.0470	$0.0471	$0.0449	$0.0466	$0.0474	$0.0469	$0.0470	$0.0470	$0.0470	$0.0470	
2	Res-H	$0.0064	$0.0168	$0.0170	$0.0170	$0.0162	$0.0169	$0.0172	$0.0170	$0.0170	$0.0170	$0.0170	$0.0170	
3	Small	$0.0034	$0.0089	$0.0090	$0.0090	$0.0086	$0.0089	$0.0091	$0.0090	$0.0090	$0.0090	$0.0090	$0.0090	
4	Medium	$0.0019	$0.0049	$0.0050	$0.0050	$0.0048	$0.0050	$0.0050	$0.0050	$0.0050	$0.0050	$0.0050	$0.0050	
5	Large LL	$0.0022	$0.0059	$0.0060	$0.0060	$0.0057	$0.0060	$0.0061	$0.0060	$0.0060	$0.0060	$0.0060	$0.0060	
5	Large HL	$0.0030	$0.0079	$0.0080	$0.0080	$0.0076	$0.0079	$0.0081	$0.0080	$0.0080	$0.0080	$0.0080	$0.0080	
6	XL-LL	($0.0004)	($0.0010)	($0.0010)	($0.0010)	($0.0010)	($0.0010)	($0.0010)	$0.0000	($0.0010)	($0.0010)	($0.0010)	($0.0010)	
7	XL-HL	($0.0008)	($0.0020)	($0.0020)	($0.0020)	($0.0019)	($0.0020)	($0.0020)	($0.0020)	($0.0020)	($0.0020)	($0.0020)	($0.0020)	
	Actual Firm Throughput - decatherms													
8	Res-NH	47,689	82,212	103,184	114,165	104,552	88,456	55,392	37,045	29,995	27,280	27,901	28,447	746,319
9	Res-H	997,548	2,093,510	2,786,107	3,191,972	2,756,808	2,183,017	1,098,773	569,926	443,392	388,331	399,794	515,751	17,424,929
10	Small	106,317	270,534	400,419	483,371	386,145	278,735	128,656	49,170	53,665	47,990	48,259	48,988	2,302,250
11	Medium	290,265	651,514	762,706	903,074	782,902	588,764	325,217	187,113	183,310	172,711	188,419	212,996	5,248,990
12	Large LL	167,782	446,867	396,052	529,296	399,956	369,799	122,209	37,469	53,607	46,769	54,797	98,791	2,723,392
13	Large HL	79,960	115,555	121,058	134,042	113,580	113,111	69,178	68,502	55,624	59,555	62,527	58,297	1,050,989
14	XL-LL	95,882	201,014	187,246	316,328	97,718	300,780	(64,639)	(226)	18,513	18,206	23,719	50,092	1,244,633
15	XL-HL	437,237	554,696	522,200	639,456	463,974	565,070	352,513	281,843	371,195	379,890	396,990	371,180	5,336,244
16	Total sum([8]:[15])	2,222,680	4,415,901	5,278,973	6,311,705	5,105,636	4,487,733	2,087,298	1,230,842	1,209,300	1,140,732	1,202,406	1,384,542	36,077,745
17	**ISR Res-NH Acct Beg. Balance**	$26,921	$26,109	$22,312	$17,483	$12,118	$7,434	$3,315	$689	($1,047)	($2,458)	($3,744)	($5,060)	
18	Actual Res-NH Revenue	$840	$3,823	$4,850	$5,379	$4,694	$4,125	$2,628	$1,736	$1,410	$1,282	$1,311	$1,337	
19	Ending Res-NH Balance	$26,081	$22,286	$17,462	$12,104	$7,424	$3,310	$687	($1,047)	($2,456)	($3,741)	($5,055)	($6,397)	
20	Average Monthly Balance	$26,501	$24,197	$19,887	$14,794	$9,771	$5,372	$2,001	($179)	($1,752)	($3,099)	($4,399)	($5,728)	
21	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
22	Interest Applied	$27	$26	$21	$14	$10	$6	$2	$0	($2)	($3)	($5)	($6)	
23	ISR Res-NH Recon End Balance	$26,109	$22,312	$17,483	$12,118	$7,434	$3,315	$689	($1,047)	($2,458)	($3,744)	($5,060)	($6,403)	
24	Under/(over) Recovery	($812)	($3,797)	($4,829)	($5,364)	($4,684)	($4,119)	($2,626)	($1,736)	($1,412)	($1,285)	($1,316)	($1,343)	
25	**ISR Res-H Acct Beg. Balance**	$307,998	$301,956	$267,047	$219,944	$165,737	$121,118	$84,402	$65,622	$56,024	$48,542	$41,988	$35,231	
26	Actual Res-H Revenue	$6,355	$35,211	$47,362	$54,392	$44,771	$36,821	$18,859	$9,661	$7,538	$6,602	$6,797	$8,768	
27	Ending Res-H Balance	$301,643	$266,745	$219,685	$165,552	$120,965	$84,297	$65,543	$55,961	$48,486	$41,940	$35,192	$26,464	
28	Average Monthly Balance	$304,821	$284,351	$243,366	$192,748	$143,351	$102,707	$74,972	$60,792	$52,255	$45,241	$38,590	$30,847	
29	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
30	Interest Applied	$313	$302	$258	$185	$152	$106	$80	$62	$55	$48	$40	$33	
31	ISR Res-H Recon End Balance	$301,956	$267,047	$219,944	$165,737	$121,118	$84,402	$65,622	$56,024	$48,542	$41,988	$35,231	$26,496	
32	Under/(over) Recovery	($6,042)	($34,909)	($47,103)	($54,207)	($44,619)	($36,716)	($18,780)	($9,599)	($7,482)	($6,554)	($6,757)	($8,735)	
33	**ISR Small C&I Acct Beg. Balance**	$20,447	$20,109	$17,720	$14,133	$9,784	$6,473	$3,989	$2,824	$2,385	$1,904	$1,474	$1,041	
34	Actual Small C&I Revenue	$359	$2,409	$3,604	$4,360	$3,320	$2,489	$1,169	$442	$483	$432	$434	$441	
35	Ending Small C&I Balance	$20,088	$17,700	$14,116	$9,773	$6,465	$3,984	$2,820	$2,382	$1,902	$1,472	$1,039	$600	
36	Average Monthly Balance	$20,267	$18,905	$15,918	$11,953	$8,125	$5,229	$3,405	$2,603	$2,143	$1,688	$1,257	$820	
37	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
38	Interest Applied	$21	$20	$17	$11	$9	$5	$4	$3	$2	$2	$1	$1	
39	ISR Small C&I Recon End Balance	$20,109	$17,720	$14,133	$9,784	$6,473	$3,989	$2,824	$2,385	$1,904	$1,474	$1,041	$601	
40	Under/(over) Recovery	($338)	($2,389)	($3,587)	($4,349)	($3,311)	($2,484)	($1,166)	($439)	($481)	($430)	($433)	($440)	

National Grid - RI Gas
ISR Reconciliation for FY 12

Line No.		Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
		30	31	31	28	31	30	31	30	31	31	30	31	
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
	ISR Recon Rates $/decatherm	Prorated												
41	**ISR Medium Acct Beg. Balance**	$27,488	$26,973	$23,776	$19,986	$15,477	$11,751	$8,841	$7,208	$6,281	$5,371	$4,513	$3,575	
42	Actual Medium Revenue	$544	$3,223	$3,814	$4,526	$3,740	$2,921	$1,642	$933	$917	$864	$942	$1,065	
43	Ending Medium Balance	$26,945	$23,749	$19,962	$15,460	$11,737	$8,830	$7,199	$6,274	$5,365	$4,507	$3,571	$2,510	
44	Average Monthly Balance	$27,216	$25,361	$21,869	$17,723	$13,607	$10,291	$8,020	$6,741	$5,823	$4,939	$4,042	$3,042	
45	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
46	Interest Applied	$28	$27	$23	$17	$14	$11	$9	$7	$6	$5	$4	$3	
47	ISR Medium Recon End Balance	$26,973	$23,776	$19,986	$15,477	$11,751	$8,841	$7,208	$6,281	$5,371	$4,513	$3,575	$2,513	
48	Under/(over) Recovery	($516)	($3,196)	($3,791)	($4,509)	($3,726)	($2,910)	($1,633)	($926)	($910)	($858)	($938)	($1,062)	
49	**ISR Large LL Acct Beg. Balance**	$15,525	$15,164	$12,527	$10,163	$6,987	$4,701	$2,503	$1,765	$1,542	$1,222	$943	$615	
50	Actual Large LL Revenue	$377	$2,652	$2,376	$3,183	$2,293	$2,202	$740	$224	$322	$281	$329	$593	
51	Ending Large LL Balance	$15,149	$12,512	$10,151	$6,979	$4,695	$2,499	$1,763	$1,541	$1,221	$942	$614	$22	
52	Average Monthly Balance	$15,337	$13,838	$11,339	$8,571	$5,841	$3,600	$2,133	$1,653	$1,382	$1,082	$778	$318	
53	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
54	Interest Applied	$16	$15	$12	$8	$6	$4	$2	$2	$1	$1	$1	$0	
55	ISR Large LL Recon End Balance	$15,164	$12,527	$10,163	$6,987	$4,701	$2,503	$1,765	$1,542	$1,222	$943	$615	$22	
56	Under/(over) Recovery	($361)	($2,638)	($2,364)	($3,175)	($2,287)	($2,198)	($738)	($223)	($320)	($279)	($328)	($592)	
57	**ISR Large HL Acct Beg. Balance**	$7,614	$7,381	$6,474	$5,513	$4,443	$3,579	$2,684	$2,128	$1,584	$1,140	$665	$165	
58	Actual Large HL Revenue	$240	$914	$968	$1,075	$868	$898	$558	$546	$445	$476	$500	$466	
59	Ending Large HL Balance	$7,374	$6,467	$5,506	$4,438	$3,575	$2,681	$2,126	$1,582	$1,139	$664	$165	($301)	
60	Average Monthly Balance	$7,494	$6,924	$5,990	$4,976	$4,009	$3,130	$2,405	$1,855	$1,361	$902	$415	($68)	
61	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
62	Interest Applied	$8	$7	$6	$5	$4	$3	$3	$2	$1	$1	$0	$0	
63	ISR Large HL Recon End Balance	$7,381	$6,474	$5,513	$4,443	$3,579	$2,684	$2,128	$1,584	$1,140	$665	$165	($301)	
64	Under/(over) Recovery	($232)	($907)	($962)	($1,070)	($864)	($895)	($556)	($545)	($444)	($475)	($500)	($466)	
65	**ISR XL LL Acct Beg. Balance**	($1,496)	($1,462)	($1,265)	($1,079)	($763)	($670)	($372)	($438)	($439)	($421)	($403)	($380)	
66	Actual XL LL Revenue	($35)	($199)	($187)	($317)	($94)	($299)	$66	$0	($19)	($18)	($24)	($50)	
67	Ending XL LL Balance	($1,461)	($1,264)	($1,078)	($762)	($670)	($372)	($438)	($438)	($420)	($403)	($379)	($330)	
68	Average Monthly Balance	($1,479)	($1,363)	($1,171)	($921)	($717)	($521)	($405)	($438)	($430)	($412)	($391)	($355)	
69	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
70	Interest Applied	($2)	($1)	($1)	($1)	($1)	($1)	($0)	($0)	($0)	($0)	($0)	($0)	
71	ISR XL LL Recon End Balance	($1,462)	($1,265)	($1,079)	($763)	($670)	($372)	($438)	($439)	($421)	($403)	($380)	($330)	
72	Under/(over) Recovery	$34	$197	$186	$316	$93	$298	($66)	($0)	$18	$18	$23	$50	
73	**ISR XL HL Acct Beg. Balance**	($8,579)	($8,260)	($7,171)	($6,134)	($4,857)	($3,975)	($2,858)	($2,149)	($1,588)	($847)	($88)	$707	
74	Actual XL HL Revenue	($328)	($1,097)	($1,044)	($1,282)	($887)	($1,121)	($712)	($562)	($742)	($760)	($794)	($742)	
75	Ending XL HL Balance	($8,251)	($7,163)	($6,127)	($4,852)	($3,971)	($2,854)	($2,146)	($1,586)	($846)	($87)	$706	$1,449	
76	Average Monthly Balance	($8,415)	($7,711)	($6,649)	($5,493)	($4,414)	($3,415)	($2,502)	($1,867)	($1,217)	($467)	$309	$1,078	
77	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
78	Interest Applied	($9)	($8)	($7)	($5)	($5)	($4)	($3)	($2)	($1)	($0)	$0	$1	
79	ISR XL HL Recon End Balance	($8,260)	($7,171)	($6,134)	($4,857)	($3,975)	($2,858)	($2,149)	($1,588)	($847)	($88)	$707	$1,450	
80	Under/(over) Recovery	$319	$1,089	$1,037	$1,277	$882	$1,118	$709	$560	$741	$759	$794	$744	

Approved Amount to be Recovered[1]	$393,028
Under/ (Over) Recovery	$24,048

[1]Refer to Docket 4306 for revised revenue requirement

National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components

October 31, 2012 Ending Deferred Balances

Line No.	Description	Forecast[1]	Actual	Variance
		(a)	(b)	(c) = (b) - (a)
1	System Pressure	$383,823	$398,403	$14,581
2	Environmental - DAC	$13,409	$13,541	$132
3	On-System Margin Credits	($104,684)	($107,593)	($2,909)
4	Previous Reconciliation Factor	($49,004)	($49,929)	($926)
5	Weather Normalization	($513,769)	($435,329)	$78,440
6	AGT	$52,321	$42,034	($10,287)
7	Capital Tracker/ARP	$90,287	$90,684	$397
8	Pension	$403,689	$413,078	$9,389
9	PBOP	$247,334	$252,756	$5,422
10	**Total**	$523,406	$617,645	$94,239

(1) Docket 4339, MCS-9R, Pages 2-4 used to establish reconciliation component for 2012-13 DAC factor
(5) Column (b) includes $86,507 of prorated credits from October
(6) Column (b) includes $11,345 prorated revenue from October

National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components

October 31, 2011 Ending Deferred Balances

Line No.	Description	Forecast[1]	Actual	Variance
		(a)	(b)	(c) = (b) - (a)
1	System Pressure	$69,834	$92,553	$22,719
2	Environmental - DAC	$67,919	$67,748	($171)
3	On-System Margin Credits	$91,608	$91,369	($239)
4	Previous Reconciliation Factor	$96,768	$96,645	($123)
5	Weather Normalization	($376,482)	($375,489)	$993
6	AGT	($45,801)	($45,680)	$121
7	Capital Tracker/ARP	$297,626	$296,928	($698)
8	Pension	($300,917)	($300,142)	$775
9	PBOP	($92,946)	($92,946)	$0
10	**Total**	($192,391)	($169,014)	$23,377

(1) Docket 4269, NG-JFN-9R, Pages 2-4 used to establish reconciliation component for 2011-12 DAC factor
Variance of $23,377 was previously reported as a credit instead of a surcharge (Docket 4339, MCS-9R, page 6), causing a double effect on the amount, which then totals $46,754

Schedule
MCS-8

Schedule MCS-8
Revenue Decoupling Adjustment Factor

National Grid - RI Gas
RDM Factor
Effective November 1, 2013

Line No.	Description		
1	RDM Reconciliation	$7,490,077	
2	Throughput for Residential/Small/Medium C&I	26,725,365	dth
3	RDM Factor - per dth	$0.2800	per dth
4	RDM Factor - per therm	**$0.0280**	**per therm**

1 MCS - 8, Page 4, Column (j), Line 113
2 Company Forecast
3 [4] * 10
4 [1] / [2] / 10

Line No.	RDM Reconciliation April 1, 2012 - January 31, 2013	Apr-12 30 (a)	May-12 31 (b)	Jun-12 30 (c)	Jul-12 31 (d)	Aug-12 31 (e)	Sep-12 30 (f)	Oct-12 31 (g)	Nov-12 30 (h)	Dec-12 31 (i)	Jan-13 31 (j)	Total per Rate Class (k)
	Residential Non-Heat											
1	**Benchmark Revenue Per Customer (RPC)**	**$17.45**	**$16.73**	**$15.97**	**$14.98**	**$14.10**	**$14.71**	**$14.61**	**$16.03**	**$17.37**	**$18.51**	
2	RPC Factor Acct Beg. Bal.	$0	($48,921)	($56,303)	($41,956)	($28,953)	($29,459)	($12,970)	($13,624)	($43,590)	($172,202)	
3	Actual Number of Customers	25,892	25,815	25,726	25,653	25,580	25,636	25,717	25,821	25,881	25,865	
4	Actual Base Revenue	$500,765	$439,184	$396,455	$371,328	$361,167	$360,692	$376,355	$443,725	$578,126	$658,295	
5	**Actual Base Revenue Per Customer**	**$19.34**	**$17.01**	**$15.41**	**$14.48**	**$14.12**	**$14.07**	**$14.63**	**$17.18**	**$22.34**	**$25.45**	
6	RPC Variance (Benchmark- Actual)	($1.89)	($0.28)	$0.56	$0.51	($0.02)	$0.64	($0.02)	($1.16)	($4.96)	($6.95)	
7	Monthly Variance	($48,895)	($7,326)	$14,397	$13,041	($475)	$16,511	($640)	($29,937)	($128,497)	($179,654)	
8	Preliminary End Balance	($48,895)	($56,247)	($41,906)	($28,916)	($29,428)	($12,948)	($13,610)	($43,560)	($172,087)	($351,856)	
9	Average Balance	($24,448)	($52,584)	($49,104)	($35,436)	($29,191)	($21,204)	($13,290)	($28,592)	($107,838)	($262,029)	
10	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
11	Interest Applied	($25)	($56)	($50)	($38)	($31)	($22)	($14)	($29)	($114)	($278)	
12	Cummulative Under/(Over) Recovery	($48,921)	($56,303)	($41,956)	($28,953)	($29,459)	($12,970)	($13,624)	($43,590)	($172,202)	($352,134)	
13	Monthly Under/(Over) Recovery	($48,921)	($7,382)	$14,347	$13,003	($506)	$16,489	($654)	($29,966)	($128,612)	($179,932)	($352,134)
	Residential Non-Heat Low Income											
14	**Benchmark Revenue Per Customer (RPC)**	**$17.45**	**$16.73**	**$15.97**	**$14.98**	**$14.10**	**$14.71**	**$14.61**	**$16.03**	**$17.37**	**$18.51**	
15	RPC Factor Acct Beg. Bal.	$0	($5,198)	($7,590)	($8,515)	($9,439)	($10,890)	($11,727)	($13,493)	($18,084)	($28,277)	
16	Actual Number of Customers	341	340	367	360	404	398	391	389	383	379	
17	Actual Base Revenue (w/o discount)	$11,146	$8,073	$6,778	$6,309	$7,136	$6,682	$7,465	$10,809	$16,822	$21,129	
18	**Actual Base Revenue Per Customer**	**$32.69**	**$23.74**	**$18.47**	**$17.53**	**$17.66**	**$16.79**	**$19.09**	**$27.79**	**$43.92**	**$55.75**	
19	RPC Variance (Benchmark- Actual)	($15.23)	($7.02)	($2.50)	($2.54)	($3.56)	($2.07)	($4.48)	($11.76)	($26.55)	($37.24)	
20	Monthly Variance	($5,195)	($2,385)	($917)	($915)	($1,439)	($826)	($1,752)	($4,575)	($10,168)	($14,115)	
21	Preliminary End Balance	($5,195)	($7,583)	($8,507)	($9,430)	($10,879)	($11,715)	($13,479)	($18,068)	($28,252)	($42,392)	
22	Average Balance	($2,597)	($6,390)	($8,048)	($8,972)	($10,159)	($11,302)	($12,603)	($15,780)	($23,168)	($35,334)	
23	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
24	Interest Applied	($3)	($7)	($8)	($10)	($11)	($12)	($13)	($16)	($25)	($38)	
25	Cummulative Under/(Over) Recovery	($5,198)	($7,590)	($8,515)	($9,439)	($10,890)	($11,727)	($13,493)	($18,084)	($28,277)	($42,429)	
26	Monthly Under/(Over) Recovery	($5,198)	($2,392)	($925)	($925)	($1,450)	($837)	($1,766)	($4,591)	($10,193)	($14,153)	($42,429)
	Residential Non-Heat (incl Low Income)											
27	**Benchmark Revenue Per Customer (RPC)**	**$17.45**	**$16.73**	**$15.97**	**$14.98**	**$14.10**	**$14.71**	**$14.61**	**$16.03**	**$17.37**	**$18.51**	
28	RPC Factor Acct Beg. Bal.	$0	($54,118)	($63,892)	($50,471)	($38,393)	($40,349)	($24,697)	($27,116)	($61,674)	($200,478)	
29	Actual Number of Customers	26,233	26,155	26,093	26,013	25,984	26,034	26,108	26,210	26,264	26,244	
30	Actual Base Revenue (w/o discount)	$511,911	$447,257	$403,233	$377,637	$368,303	$367,374	$383,819	$454,534	$594,948	$679,424	
31	**Actual Base Revenue Per Customer**	**$19.51**	**$17.10**	**$15.45**	**$14.52**	**$14.17**	**$14.11**	**$14.70**	**$17.34**	**$22.65**	**$25.89**	
32	RPC Variance (Benchmark- Actual)	($2.06)	($0.37)	$0.52	$0.47	($0.07)	$0.60	($0.09)	($1.32)	($5.28)	($7.38)	
33	Monthly Variance	($54,090)	($9,712)	$13,480	$12,126	($1,914)	$15,685	($2,392)	($34,512)	($138,666)	($193,769)	
34	Preliminary End Balance	($54,090)	($63,830)	($50,412)	($38,345)	($40,307)	($24,664)	($27,089)	($61,628)	($200,339)	($394,248)	
35	Average Balance	($27,045)	($58,974)	($57,152)	($44,408)	($39,350)	($32,506)	($25,893)	($44,372)	($131,006)	($297,363)	
36	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
37	Interest Applied	($28)	($63)	($59)	($47)	($42)	($33)	($27)	($46)	($139)	($316)	
38	Cummulative Under/(Over) Recovery	($54,118)	($63,892)	($50,471)	($38,393)	($40,349)	($24,697)	($27,116)	($61,674)	($200,478)	($394,563)	
39	Monthly Under/(Over) Recovery	($54,118)	($9,774)	$13,421	$12,079	($1,956)	$15,652	($2,419)	($34,557)	($138,805)	($194,085)	($394,563)

Line No.	RDM Reconciliation April 1, 2012 - January 31, 2013	Apr-12 30 (a)	May-12 31 (b)	Jun-12 30 (c)	Jul-12 31 (d)	Aug-12 31 (e)	Sep-12 30 (f)	Oct-12 31 (g)	Nov-12 30 (h)	Dec-12 31 (i)	Jan-13 31 (j)	Total per Rate Class (k)
	Residential Heating											
40	**Benchmark Revenue Per Customer (RPC)**	**$52.01**	**$31.03**	**$25.28**	**$20.87**	**$19.23**	**$20.36**	**$21.66**	**$34.32**	**$51.29**	**$62.73**	
41	RPC Factor Acct Beg. Bal.	$0	$2,126,234	$2,570,196	$3,191,710	$3,446,044	$3,490,755	$3,781,866	$3,994,631	$5,002,201	$5,425,168	
42	Actual Number of Customers	183,787	183,101	181,796	181,778	180,984	181,762	183,051	184,971	186,672	187,768	
43	Actual Base Revenue	$7,434,044	$5,239,530	$3,977,695	$3,543,225	$3,439,783	$3,412,615	$3,756,742	$5,344,723	$9,156,229	$11,168,148	
44	**Actual Base Revenue Per Customer**	**$40.45**	**$28.62**	**$21.88**	**$19.49**	**$19.01**	**$18.78**	**$20.52**	**$28.89**	**$49.05**	**$59.48**	
45	RPC Variance (Benchmark- Actual)	$11.56	$2.41	$3.40	$1.38	$0.23	$1.58	$1.14	$5.42	$2.24	$3.25	
46	Monthly Variance	$2,125,142	$441,471	$618,555	$250,813	$41,031	$287,377	$208,639	$1,002,951	$417,435	$611,147	
47	Preliminary End Balance	$2,125,142	$2,567,705	$3,188,751	$3,442,522	$3,487,075	$3,778,132	$3,990,505	$4,997,581	$5,419,636	$6,036,314	
48	Average Balance	$1,062,571	$2,346,969	$2,879,474	$3,317,116	$3,466,559	$3,634,443	$3,886,185	$4,496,106	$5,210,918	$5,730,741	
49	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
50	Interest Applied	$1,092	$2,492	$2,958	$3,522	$3,680	$3,734	$4,126	$4,619	$5,532	$6,084	
51	Cummulative Under/(Over) Recovery	$2,126,234	$2,570,196	$3,191,710	$3,446,044	$3,490,755	$3,781,866	$3,994,631	$5,002,201	$5,425,168	$6,042,398	
52	Monthly Under/(Over) Recovery	$2,126,234	$443,963	$621,513	$254,334	$44,711	$291,111	$212,765	$1,007,570	$422,967	$617,231	$6,042,398
	Residential Heating - Low Income											
53	**Benchmark Revenue Per Customer (RPC)**	**$52.01**	**$31.03**	**$25.28**	**$20.87**	**$19.23**	**$20.36**	**$21.66**	**$34.32**	**$51.29**	**$62.73**	
54	RPC Factor Acct Beg. Bal.	$0	$228,861	$277,965	$340,405	$352,917	$347,576	$364,229	$365,994	$456,204	$477,301	
55	Actual Number of Customers	19,343	19,029	19,645	19,345	19,946	19,462	19,040	18,970	18,554	18,347	
56	Actual Base Revenue (w/o discount)	$777,330	$541,570	$434,551	$391,622	$389,328	$379,886	$411,081	$561,208	$930,960	$1,108,887	
57	**Actual Base Revenue Per Customer**	**$40.19**	**$28.46**	**$22.12**	**$20.24**	**$19.52**	**$19.52**	**$21.59**	**$29.58**	**$50.18**	**$60.44**	
58	RPC Variance (Benchmark- Actual)	$11.83	$2.57	$3.16	$0.63	($0.29)	$0.84	$0.07	$4.73	$1.11	$2.29	
59	Monthly Variance	$228,744	$48,835	$62,123	$12,143	($5,712)	$16,288	$1,377	$89,788	$20,601	$42,080	
60	Preliminary End Balance	$228,744	$277,696	$340,088	$352,549	$347,205	$363,864	$365,606	$455,782	$476,805	$519,380	
61	Average Balance	$114,372	$253,279	$309,026	$346,477	$350,061	$355,720	$364,918	$410,888	$466,505	$498,340	
62	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
63	Interest Applied	$118	$269	$317	$368	$372	$365	$387	$422	$495	$529	
64	Cummulative Under/(Over) Recovery	$228,861	$277,965	$340,405	$352,917	$347,576	$364,229	$365,994	$456,204	$477,301	$519,909	
65	Monthly Under/(Over) Recovery	$228,861	$49,104	$62,441	$12,511	($5,340)	$16,653	$1,765	$90,210	$21,096	$42,609	$519,909
	Residential Heat (incl Low Income)											
66	**Benchmark Revenue Per Customer (RPC)**	**$52.01**	**$31.03**	**$25.28**	**$20.87**	**$19.23**	**$20.36**	**$21.66**	**$34.32**	**$51.29**	**$62.73**	
67	RPC Factor Acct Beg. Bal.	$0	$2,355,095	$2,848,161	$3,532,115	$3,798,961	$3,838,331	$4,146,095	$4,360,624	$5,458,405	$5,902,468	
68	Actual Number of Customers	203,130	202,130	201,441	201,123	200,930	201,224	202,091	203,941	205,226	206,115	
69	Actual Base Revenue (w/o discount)	$8,211,374	$5,781,100	$4,412,245	$3,934,847	$3,829,110	$3,792,501	$4,167,823	$5,905,931	$10,087,189	$12,277,035	
70	**Actual Base Revenue Per Customer**	**$40.42**	**$28.60**	**$21.90**	**$19.56**	**$19.06**	**$18.85**	**$20.62**	**$28.96**	**$49.15**	**$59.56**	
71	RPC Variance (Benchmark- Actual)	$11.59	$2.43	$3.38	$1.31	$0.18	$1.51	$1.04	$5.36	$2.13	$3.17	
72	Monthly Variance	$2,353,886	$490,306	$680,678	$262,956	$35,319	$303,664	$210,016	$1,092,739	$438,036	$653,226	
73	Preliminary End Balance	$2,353,886	$2,845,401	$3,528,839	$3,795,071	$3,834,279	$4,141,995	$4,356,111	$5,453,364	$5,896,441	$6,555,695	
74	Average Balance	$1,176,943	$2,600,248	$3,188,500	$3,663,593	$3,816,620	$3,990,163	$4,251,103	$4,906,994	$5,677,423	$6,229,081	
75	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
76	Interest Applied	$1,209	$2,761	$3,276	$3,889	$4,052	$4,099	$4,513	$5,041	$6,027	$6,613	
77	Cummulative Under/(Over) Recovery	$2,355,095	$2,848,161	$3,532,115	$3,798,961	$3,838,331	$4,146,095	$4,360,624	$5,458,405	$5,902,468	$6,562,308	
78	Monthly Under/(Over) Recovery	$2,355,095	$493,066	$683,954	$266,845	$39,371	$307,764	$214,530	$1,097,780	$444,063	$659,839	$6,562,308

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. _____
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Line No.	RDM Reconciliation April 1, 2012 - January 31, 2013	Apr-12 30 (a)	May-12 31 (b)	Jun-12 30 (c)	Jul-12 31 (d)	Aug-12 31 (e)	Sep-12 30 (f)	Oct-12 31 (g)	Nov-12 30 (h)	Dec-12 31 (i)	Jan-13 31 (j)	Total per Rate Class (k)
	Small C&I											
79	**Benchmark Revenue Per Customer (RPC)**	**$74.53**	**$37.33**	**$31.13**	**$26.69**	**$25.70**	**$26.61**	**$28.60**	**$47.90**	**$71.45**	**$87.37**	
80	RPC Factor Acct Beg. Bal.	$0	$320,258	$291,988	$357,935	$391,143	$412,466	$449,031	$505,414	$699,869	$743,150	
81	Actual Number of Customers	18,621	18,269	18,125	18,032	18,427	18,067	18,172	18,398	18,645	18,747	
82	Dual fuel customer count	-	-	-	-	-	-	-	-	-	-	
83	Actual Number of Customers (no Dual-fuel)	18,621	18,269	18,125	18,032	18,427	18,067	18,172	18,398	18,645	18,747	
84	Actual Base Revenue	$1,067,785	$710,634	$498,678	$448,455	$452,599	$444,699	$463,752	$687,406	$1,289,583	$1,645,546	
85	Dual fuel customer margin	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
86	Actual Base Revenue (no Dual-fuel)	$1,067,785	$710,634	$498,678	$448,455	$452,599	$444,699	$463,752	$687,406	$1,289,583	$1,645,546	
87	**Actual Base Revenue Per Customer**	**$57.34**	**$38.90**	**$27.51**	**$24.87**	**$24.56**	**$24.61**	**$25.52**	**$37.36**	**$69.17**	**$87.78**	
88	RPC Variance (Benchmark- Actual)	$17.19	($1.57)	$3.62	$1.82	$1.13	$2.00	$3.07	$10.54	$2.28	($0.41)	
89	Monthly Variance	$320,094	($28,595)	$65,614	$32,810	$20,897	$36,123	$55,877	$193,836	$42,516	($7,705)	
90	Preliminary End Balance	$320,094	$291,663	$357,601	$390,745	$412,040	$448,589	$504,908	$699,250	$742,385	$735,445	
91	Average Balance	$160,047	$305,961	$324,795	$374,340	$401,591	$430,528	$476,969	$602,332	$721,127	$739,298	
92	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
93	Interest Applied	$164	$325	$334	$397	$426	$442	$506	$619	$766	$785	
94	Cummulative Under/(Over) Recovery	$320,258	$291,988	$357,935	$391,143	$412,466	$449,031	$505,414	$699,869	$743,150	$736,230	
95	Monthly Under/(Over) Recovery	$320,258	($28,271)	$65,947	$33,207	$21,324	$36,565	$56,383	$194,455	$43,281	($6,921)	$736,230
	Medium C&I											
96	**Benchmark Revenue Per Customer (RPC)**	**$340.03**	**$262.60**	**$223.59**	**$196.47**	**$190.92**	**$200.99**	**$211.73**	**$269.90**	**$361.41**	**$417.01**	
97	RPC Factor Acct Beg. Bal.	$0	$118,582	$235,960	$367,740	$314,988	$234,447	$259,761	$225,627	$447,831	$440,886	
98	Actual Number of Customers	4,501	4,479	4,477	4,470	4,180	4,478	4,559	4,596	4,628	4,681	
99	Dual fuel customer count	4	4	4	4	4	4	4	4	3	3	
100	Actual Number of Customers (no Dual-fuel)	4,497	4,475	4,473	4,466	4,176	4,474	4,555	4,592	4,625	4,678	
101	Actual Base Revenue	$1,413,591	$1,059,494	$870,154	$931,194	$879,318	$875,134	$1,000,400	$1,018,060	$1,679,878	$1,808,135	
102	Dual fuel customer margin	2,987	1,529	1,485	655	1,217	966	1,588	536	944	2,031	
103	Actual Base Revenue (no Dual-fuel)	$1,410,604	$1,057,965	$868,669	$930,539	$878,101	$874,168	$998,812	$1,017,524	$1,678,934	$1,806,104	
104	**Actual Base Revenue Per Customer**	**$313.68**	**$236.42**	**$194.20**	**$208.36**	**$210.27**	**$195.39**	**$219.28**	**$221.59**	**$363.01**	**$386.08**	
105	RPC Variance (Benchmark- Actual)	$26	$26	$29	($12)	($19)	$6	($8)	$48	($2)	$31	
106	Monthly Variance	$118,521	$117,191	$131,469	($53,114)	($80,833)	$25,060	($34,392)	$221,859	($7,417)	$144,672	
107	Preliminary End Balance	$118,521	$235,772	$367,430	$314,626	$234,155	$259,507	$225,369	$447,485	$440,414	$585,558	
108	Average Balance	$59,260	$177,177	$301,695	$341,183	$274,572	$246,977	$242,565	$336,556	$444,123	$513,222	
109	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
110	Interest Applied	$61	$188	$310	$362	$291	$254	$258	$346	$471	$545	
111	Cummulative Under/(Over) Recovery	$118,582	$235,960	$367,740	$314,988	$234,447	$259,761	$225,627	$447,831	$440,886	$586,102	
112	Monthly Under/(Over) Recovery	$118,582	$117,379	$131,779	($52,752)	($80,541)	$25,314	($34,134)	$222,204	($6,945)	$145,217	$586,102
113	**Ending Balance**										$7,490,077	

Schedule
MCS-9

Schedule MCS-9
ISR Reconciliation Factors

National Grid - RI Gas
FY 13 ISR Reconciliation Rates
Effective November 1, 2013

Line No.	Revenue Requirement (a)	Rate Class (b)	Rate Base Allocator (%) (c)	Allocation to Rate Class (d)	Actual Revenue (e)	ISR Recon Under/(Over) Recovery (f)	Total Under/(Over) Recovery by Rate Class (g)	Forecasted Throughput (dth) (h)	ISR Factor (dth) (i)	ISR Factor (therm) (j)
1	$5,085,563									
2		Res-NH	3.73%	$189,743	$358,032	($6,403)	($174,692)	722,127	($0.2419)	($0.0241)
3		Res-H	61.56%	$3,130,578	$3,173,476	$26,496	($16,401)	18,331,149	($0.0008)	$0.0000
4		Small	8.19%	$416,356	$377,389	$601	$39,568	2,370,683	$0.0166	$0.0016
5		Medium	13.58%	$690,789	$637,444	$2,513	$55,857	5,301,406	$0.0105	$0.0010
6		Large LL	6.04%	$307,015	$303,171	$22	$3,866	2,895,821	$0.0013	$0.0001
7		Large HL	2.35%	$119,731	$95,135	($301)	$24,294	1,469,724	$0.0165	$0.0016
8		XL-LL	0.77%	$39,104	$61,771	($330)	($22,997)	1,311,867	($0.0175)	($0.0017)
9		XL-HL	3.78%	$192,247	$207,340	$1,450	($13,642)	6,097,877	($0.0022)	($0.0002)
10		Total	100.00%	$5,085,563	$5,213,758	$24,048	($104,147)	38,500,653		

(a) Docket 4306, FY 13 Updated ISR Cummulative Revenue Requirement filed Aug 1, 2013
(c) Docket 4323, RI 2012 Rate Case
(d) Col (a), Line 1 X Col (c), Lines 2 through 9 respectively
(e) Page 2, Col (n), Lines 18 through 25
(f) MCS 7 - Page 8,9 Column (l) Lines 23, 31, 39, 47, 55, 63, 71, 79
(g) Column (d) - Column (e) + Column (f)
(h) Per Company Forecast
(i) Column (g) / Column (h)
(j) Column (i) / 10

National Grid - RI Gas
ISR Reconciliation for Approved Forecasted Revenue Requirement vs. Actual Revenue Collected - FY 2013

Line No.		(a)	Apr-12 (b)	May-12 (c)	Jun-12 (d)	Jul-12 (e)	Aug-12 (f)	Sep-12 (g)	Oct-12 (h)	Nov-12 (i)	Dec-12 (j)	Jan-13 (k)	Feb-13 (l)	Mar-13 (m)	Total (n)
	ISR Rates $/dth (w/o uncollectibles)		actual - 50/50										actual - 68/32	actual	
1	Res-NH	$0.1320	$0.3970	$0.6620	$0.6620	$0.6620	$0.6620	$0.6620	$0.6620	$0.6620	$0.6620	$0.6620	$0.4502	$0.0000	
2	Res-H	$0.0670	$0.1645	$0.2620	$0.2620	$0.2620	$0.2620	$0.2620	$0.2620	$0.2620	$0.2620	$0.2620	$0.1782	$0.0000	
3	Small	$0.0780	$0.1595	$0.2410	$0.2410	$0.2410	$0.2410	$0.2410	$0.2410	$0.2410	$0.2410	$0.2410	$0.1639	$0.0000	
4	Medium	$0.0510	$0.1115	$0.1720	$0.1720	$0.1720	$0.1720	$0.1720	$0.1720	$0.1720	$0.1720	$0.1720	$0.1170	$0.0000	
5	Large LL	$0.0460	$0.1040	$0.1620	$0.1620	$0.1620	$0.1620	$0.1620	$0.1620	$0.1620	$0.1620	$0.1620	$0.1102	$0.0000	
6	Large HL	$0.0340	$0.0750	$0.1160	$0.1160	$0.1160	$0.1160	$0.1160	$0.1160	$0.1160	$0.1160	$0.1160	$0.0789	$0.0000	
7	XL-LL	$0.0190	$0.0440	$0.0690	$0.0690	$0.0690	$0.0690	$0.0690	$0.0690	$0.0690	$0.0690	$0.0690	$0.0469	$0.0000	
8	XL-HL	$0.0130	$0.0295	$0.0460	$0.0460	$0.0460	$0.0460	$0.0460	$0.0460	$0.0460	$0.0460	$0.0460	$0.0313	$0.0000	
	RI Firm throughput (dth)														
9	Res-NH		59,988	45,819	35,172	28,724	26,899	26,683	30,937	47,689	82,212	103,184	114,165	104,552	706,023
10	Res-H		1,512,902	923,331	552,816	410,016	381,035	369,327	482,968	997,548	2,093,510	2,786,107	3,191,972	2,756,808	16,458,340
11	Small		190,004	104,113	55,623	47,044	43,411	37,395	47,403	106,317	270,534	400,419	483,371	386,145	2,171,777
12	Medium		468,331	262,106	144,216	174,869	152,213	151,656	200,672	290,265	651,514	762,706	903,074	782,902	4,944,521
13	Large LL		221,628	123,134	59,604	29,556	39,340	42,502	66,184	167,782	446,867	396,052	529,296	399,956	2,521,901
14	Large HL		77,086	64,492	62,286	53,390	47,435	67,858	67,115	79,960	115,555	121,058	134,042	113,580	1,003,857
15	XL-LL		86,165	60,302	20,222	5,670	15,557	13,889	25,817	95,882	201,014	187,246	316,328	97,718	1,125,810
16	XL-HL		422,375	376,980	375,871	380,328	379,943	410,312	363,453	437,237	554,696	522,200	639,456	463,974	5,326,824
17	Total		3,038,478	1,960,277	1,305,809	1,129,595	1,085,833	1,119,620	1,284,548	2,222,680	4,415,901	5,278,973	6,311,705	5,105,636	34,259,053
	ISR Actual Revenue														
18	Res-NH		$23,815	$30,332	$23,284	$19,015	$17,807	$17,664	$20,480	$31,973	$53,845	$68,305	$51,514	$0	$358,032
19	Res-H		$248,872	$241,913	$144,838	$107,424	$99,831	$96,764	$126,537	$264,691	$542,661	$729,923	$570,021	$0	$3,173,476
20	Small		$30,306	$25,091	$13,405	$11,338	$10,462	$9,012	$11,424	$25,949	$64,505	$96,496	$79,402	$0	$377,389
21	Medium		$52,219	$45,082	$24,805	$30,077	$26,181	$26,085	$34,516	$50,563	$110,867	$131,178	$105,872	$0	$637,444
22	Large LL		$23,049	$19,948	$9,656	$4,788	$6,373	$6,885	$10,722	$27,528	$71,621	$64,157	$58,444	$0	$303,171
23	Large HL		$5,781	$7,481	$7,225	$6,193	$5,502	$7,871	$7,785	$9,393	$13,261	$14,042	$10,598	$0	$95,135
24	XL-LL		$3,791	$4,161	$1,395	$391	$1,073	$958	$1,781	$6,700	$13,722	$12,919	$14,877	$0	$61,771
25	XL-HL		$12,460	$17,341	$17,290	$17,495	$17,477	$18,874	$16,719	$20,370	$25,244	$24,020	$20,049	$0	$207,340
26	Total		$400,294	$391,349	$241,898	$196,722	$184,707	$184,114	$229,964	$437,166	$895,727	$1,141,040	$910,776	$0	$5,213,758

Col (a), Line 1 through 8, ISR rates per Docket No. 4219
Col (b) Lines 1-8, 50% of FY 12 ISR Factor + 50% of FY 13 ISR Factor
Col (l) Lines 1-8, 68% of FY 13 ISR Factor + 32% of no ISR Factor per Docket 4323 Amended Settlement Agreement
17 Sum ([9]:[16])
18 (1) * (9)
19 (2) * (10)
20 (3) * (11)
21 (4) * (12)
22 (5) * (13)
23 (6) * (14)
24 (7) * (15)
25 (8) * (16)
26 Sum ([18]:[25])

Testimony of
William R. Richer

DIRECT TESTIMONY

OF

WILLIAM R. RICHER

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1 **I. <u>Introduction and Qualifications</u>**

2 **Q. Please state your full name and business address.**

3 A. My name is William R. Richer and my business address is 40 Sylvan Road, Waltham,
4 Massachusetts 02451.

5

6 **Q. By whom are you employed and in what position?**

7 A. I am the Director of Revenue Requirements, Rhode Island, for National Grid USA
8 Service Company, Inc. ("Service Company"), providing services to The Narragansett
9 Electric Company (the "Company") to both its gas and electric businesses.

10

11 **Q. Please describe your education and professional experience.**

12 A. In 1985, I earned a Bachelor of Science degree in Accounting from Northeastern
13 University. During my schooling I interned at the public accounting firm Pannell Kerr
14 Forster in Boston, Massachusetts as a staff auditor and continued with this firm after
15 my graduation. In February 1986, I joined Price Waterhouse in Providence, Rhode
16 Island where I worked as a staff auditor and senior auditor. During this time, I earned
17 my certified public accountants license in the State of Rhode Island. In June 1990, I
18 joined National Grid ("National Grid") in the Service Company (then known as New
19 England Power Service Company) as a supervisor of Plant Accounting. Since that
20 time I have held various positions within the Service Company including Manager of
21 Financial Reporting, Principal Rate Department Analyst, Manager of General

1 Accounting, Director of Accounting Services and Assistant Controller.

2

3 **Q. Have you previously testified before this commission?**

4 A. Yes. I have testified before the Rhode Island Public Utilities Commission

5 ("Commission") on numerous occasions.

6

7 **II. <u>Purpose of Testimony</u>**

8 **Q. What is the purpose of your testimony in this proceeding?**

9 A. My testimony supports the following aspects related to the Company's Distribution

10 Adjustment Clause ("DAC"):

11 (1) Pursuant to the DAC provisions of the Company's tariff, if there are any

12 excess earnings to be shared with customers, as I describe in more detail below, then

13 any customer share of that savings is to flow back to customers via the DAC. My

14 testimony describes the status of the Company's earnings subject to the ESM for the

15 period ending March 31, 2013. As a result of the Company's last general rate case in

16 Docket No. 4323, effective February 1, 2013 ("2012 Rate Case"), the Company's

17 earnings pertaining to the operation of the ESM is to be measured over the Company's

18 fiscal year ("FY"), which ends on March 31.

19 (2) I provide and describe the calculation of the Pension and Postretirement

20 Benefits Other Than Pensions ("PBOP") costs subject to the reconciliation mechanism

21 for these costs.

(3) I provide and describe the actual revenue requirement of the Company's FY 2013 Infrastructure, Safety, and Reliability ("ISR") Plan to be used in the reconciliation to the revenues recovered through the ISR factor approved by the Commission in Docket No. 4306.

(4) I provide and describe the adjusted revenue requirements of the final period under the Company's former Capital Tracker approved by the Commission in Docket No. 3943 and Accelerated Infrastructure Replacement Program ("ARP") approved by the Commission in Docket No. 3943, as these investments are now reflected in base rates beginning February 1, 2013 as a result of the 2012 Rate Case.

Q. Are there any schedules to your testimony?

A. Yes, I am sponsoring the following schedules:

Schedule WRR-1	Pension and Postretirement Benefits Other Than Pensions Reconciliation
Schedule WRR-2	Actual vs. Forecasted Revenue Requirement Associated with FY 2013 Infrastructure, Safety, and Reliability ("ISR") Plan
Schedule WRR-3	Schedule of Refunds Due to Customers as a Result of the Capital Tracker
Schedule WRR-4	Schedule of Recovery as a Result of the ARP

III. <u>Earnings Sharing Mechanism Results</u>

Q. Please provide the background for the Earnings Sharing Mechanism ("ESM").

A. In Docket No. 3401, Order No. 17381, the Commission approved a base-rate

settlement between the Division, The Energy Council of RI, and National Grid that required the New England Gas Company to file an earnings sharing calculation based on a 12-month period ended June 30, by September 1 of each year as part of an incentive-based ESM. Obligations of this settlement agreement were assumed by the Company in connection with its acquisition of the regulated gas assets in Rhode Island from Southern Union Company ("Southern Union").[1] As part of the Company's 2012 Rate Case and the settlement agreement approved by the Commission in January 2013, the Company continues to file an earnings report, however earnings will now be measured over the Company's fiscal year (12 months ending March 31) and be filed by July 1 following the end of each fiscal year.

Q. Has the Company submitted its calculation of the return on equity under the ESM for FY 2013?

A. On June 28, 2013, the Company submitted an earnings report for the 12-months ended September 30, 2012. In that filing, the Company explained that due to the recent implementation of its new financial system, financial data for the period through March 31, 2013 was unavailable. The Company committed to supplement this earnings report once the information becomes available. Should the information become available prior to the Company's September 1, 2013 supplemental DAC filing, the Company will include an updated earnings report in this filing and reflect

[1] The on-going requirement for the ESM is set forth in the Company's tariff, RIPUC NG-GAS No. 101, Section 3, Schedule A, Sheet 11, sub-part 5.0.

customers' share of excess earnings, if there are any, in the DAC factors effective November 1, 2013.

Q. Does the Company anticipate a significant difference between the earnings it reported in its June 28, 2013 earnings report for the 12-month period ending September 2012 when it eventually provides its earnings for the 12-month period ending March 2013?

A. Although the Company cannot, with certainty, state what its earnings will be for FY 2013, it is very unlikely that it will have excess earnings that will be subject to sharing with its customers, as the reported return on equity for the 12-month period ending September 2012 is 4.41%.

IV. <u>Pension and PBOP Expense Reconciliation</u>

Q. Generally, how does the reconciliation of pension and PBOP expense operate?

A. In Docket No. 3943, the Commission approved the Company's proposal to reconcile its pension and post-retirement benefits other than pensions ("PBOP") expenses annually through the DAC. In accordance with the Company's Tariff, RIPUC NG No. 101, Section 3, Schedule A, Item 3.6, the PBOP adjustment factor is designed to recover or refund the prior year's reconciliation of the Company's actual Pension and PBOP expenses to the Company's Pension and PBOP expenses that were included in

base rates,[2] The adjustment factor is based on this difference.

In Docket No. 4323, the rate allowances for both Pension and PBOP were updated. In addition, the following changes were made to the Pension Adjustment Mechanism. The Company will contribute to the pension and PBOP plans at the "Minimum Funding Obligation" level. The Minimum Funding Obligation level would be equal to the amount collected from customers, plus the amounts of pension and PBOP costs capitalized. The amount collected from customers would include: (1) pension and PBOP amounts collected through base rates, (2) plus or minus the amount of PAF collections or amounts returned to customers. The Company will pay a carrying charge to customers at the weighted average cost of capital, which would be applied to the cumulative shortfall between the minimum funding obligation and amounts contributed by the Company to the pension and PBOP plans, plus amounts paid to the service companies for allocated pension and PBOP costs.

Q. Has the Company performed this reconciliation for the period ending March 2013?

A. Yes it has. It is included as Schedule WRR-1.

[2] Per Docket No. 3943, the rate allowance for the Pension Costs amounts to $5,052,002 while the PBOP rate allowance is $4,567,873. In the most recent Docket No. 4323, effective February 1, 2013, the rate allowance for the Pension Costs was changed to $7,679,852 while the PBOP rate allowance was changed to $4,322,804.

Q. Please describe the Company's calculation of actual pension and PBOP expense in light of the recent implementation of the Company's new financial system and the difficulty in retrieving the relevant financial data discussed above?

A. The Company calculated actual pension and PBOP costs through October 31, 2012. An estimate of the charges for the period November 1, 2012 through March 31, 2013 was made using the data available from the Company's actuary for expenses for the period April 1, 2012 through March 31, 2013. The total annual expense amounts were adjusted for the breakdown between capital and O & M expenses using the percentages established in Docket No. 4323. These amounts were then prorated to reflect 5 months of pension and PBOP expenses. The Company proposes to true-up the estimate of expense for the period November 1, 2012 through March 31, 2013 in this reconciliation to actual once the amounts are known for that period, and include the difference in the pension and PBOP reconciliation to be filed with the 2014 DAC.

Q. Please describe the Company's calculation of the rate allowances for pension and PBOP expense for use in this filing.

A. This filing represents costs for the 9 months ended March 31, 2013. During that time, the rate allowances from Docket No. 3943 were in effect for 7 months and the rate allowance from Docket No. 4323 were in effect for 2 months. The Company prorated each allowance for the time period it was in effect. Therefore, the expenses for the period were compared to these recalculated amounts.

Q. What is the result of the Company's reconciliation?

A. The Company's reconciliation indicates that it has under-recovered pension and over recovered PBOP costs for the period ending March 2013 in the amounts of $1.6 million and $(0.6) million, respectively. In addition, the PBOP liabilities were under funded during this time leading to carrying charges of $253,631 that will be refunded to customers. These amounts are reflected in the schedules of Ms. Smith for inclusion in the calculation of the DAC factors proposed to take effect on November 1, 2013.

V. <u>Actual vs. Forecasted FY 2013 ISR Plan Investment</u>

Q. Has the Company determined the revenue requirement associated with the actual FY 2013 ISR Plan investment?

A. Yes it has. The Company has submitted its ISR Plan reconciliation filing in Docket No. 4306 on August 1, 2013. In this filing, the Company has calculated the revenue requirement on actual capital investment for plant placed into service during FY 2013. The Company's calculation of the revenue requirement takes into consideration that the forecasted ISR Plan investment was put into rate base and is now being recovered in base rates as a result of the 2012 Rate Case. Therefore, the Company has reflected the change in how it is recovering this plant investment in the calculation of the revenue requirement associated with actual ISR Plan investment.For ease of reference, the Company is providing the summary of the FY 2013 gas ISR revenue requirement in Schedule WRR-2. The revenue requirement reflected in this Schedule is also

reflected in the schedules of Ms. Smith in determining the amount of over/under recovery through the ISR mechanism, and specifically through the ISR factors that were in effect during the period April 1, 2012 through January 31, 2013.

VI. Final Capital Tracker Revenue Requirement

Q. Why is the Company including the Capital Tracker component in this DAC filing if the effects of the historic plant investment are reflected in base rates that went into effect on February 1, 2013?

A. Although all historical capital investments are now reflected in base rates as a result of the 2012 Rate Case, there are historical amounts that were to be reflected in the DAC through the date upon which new base rates took effect. The Capital Tracker is one of mechanisms which is subject to reconciliation through January 31, 2013.

Q. Has the Company illustrated that the credit to be provided to customers is to be included for reconciliation in this DAC filing?

A. Yes it has. Schedule WRR-3 presents a summary of the annual amounts due to customers as a result of the reconciliation of forecasted capital investment reflected in the Company's prior base rates as a result of its 2008 rate case in Docket No. 3943 and the actual capital investment during the rate year. As a result of this reconciliation, the Company has been providing customers an annual credit of $2 million beginning each November 1 in the DAC. Therefore, customers are entitled to the portion of the

annual credit associated with the Capital Tracker for the three month period November 2012 through January 2013. The Company reflected this annual credit it its DAC effective November 1, 2012, but ceased providing the credit effective January 31, 2013 when the impact of the Capital Tracker was put into base rates. Therefore, the portion of the Capital Tracker associated with these three months needs to be reconciled against the revenue billed through the applicable DAC factor in effect for the same three months. The apportionment of the Capital Tracker to the three months of November 2012 through January 2013 and the reconciliation against revenue billed is performed by Ms. Smith in her schedules.

VII. <u>Final ARP Revenue Requirement</u>

Q. Why is the Company including the ARP in this filing?

A. Similar to the discussion above for the Capital Tracker, the Company must also finalize the recovery of the cumulative revenue requirement associated with the ARP.

Q. What is the timing of the revenue requirement associated with the ARP?

A. As with the Capital Tracker, the Company prepared a summary of the annual cumulative revenue requirement that it is allowed to recover, the period over which the revenue requirement has been earned, and the period over which it has recovered the revenue requirement. This is provided in Schedule WRR-4.

As can be seen, the DAC that the Company implemented on November 1, 2012 was intended to recover the FY 2013 revenue requirement on cumulative plant investment under the ARP. Therefore, the Company is entitled to recover the portion of this FY 2013 revenue requirement up until the investment was moved into base rates, or January 31, 2013. However, as with the Capital Tracker, the Company set to zero the ARP component of its DAC effective February 1, 2013. As with the Capital Tracker, the portion of the ARP that the Company should have recovered is that portion for the period April 1, 2012 through January 31, 2013. The Company is reconciling this portion with the revenue billed through the ARP factor of the DAC to determine the final balance of the ARP revenue requirement to reflect in the DAC. This is performed by Ms. Smith in her schedules.

VIII. <u>Conclusion</u>

Q. Does this conclude your testimony?

A. Yes.

Schedules of
William R. Richer

Schedules of William R. Richer

Schedule WRR-1	Pension and Postretirement Benefits Other Than Pensions Reconciliation
Schedule WRR-2	Actual vs. Forecasted Revenue Requirement Associated with FY 2013 Infrastructure, Safety, and Reliability ("ISR") Plan
Schedule WRR-3	Schedule of Refunds Due to Customers as a Result of the Capital Tracker
Schedule WRR-4	Schedule of Recovery as a Result of the ARP

Schedule
WRR-1

Schedule WRR-1

Pension and Postretirement Benefits Other Than Pensions Reconciliation

Narragansett Electric - Gas Operations
Pension Costs
9 Months Ended March 31, 2013

Line No.		July 2012 thru January 2013 (a)	February 2013 thru March 2013 (b)	Total (c)
1	Rate Allowance:			
2	National Grid - RI Gas Pension Costs Allowance	$2,786,862	$783,721	$3,570,583
3	National Grid - Service Company Allocated Pension Costs Allowance	160,139	496,255	$656,394
4	Total Pension Costs	$2,947,001	$1,279,975	$4,226,977
5				
6	Expense Reconciliation:			
7	July - October Actual Pension Expense Including Service Company-Allocated Expense			$2,758,015
8	November - March Estimated Pension Expense Including Service Company-Allocated Expense			3,053,694
9				
10	Total Current Year Pension Expense Including Service Company-Allocated Expense			$5,811,709
11				
12	Rate Allowance			$4,226,977
13				
14	**Current Year Regulatory Expense Reconciliation**			$1,584,732
15				
16	**Funding Carrying Charge**			$0

Line Notes:
2(a) Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line 2 prorated for 7 months
2(b) Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 line 1(e) prorated for 2 months
3(a) Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line 3 prorated for 7 months
3(b) Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 sum of lines 2(e) thru 5(e) prorated for 2 months
4 Line 2 plus Line 3
7 Penision expense per books
8 Page 5 of 6, Line 8(f)
10 Line 7 plus Line 8
12 Line 4
14 Line 10 minus Line 12
16 Minus Page 3 of 6, line 26(h)

Narragansett Electric - Gas Operations

Post-Retirement Benefits Other Than Pension (PBOP) Costs

9 Months Ended March 31, 2013

Line No.		July 2012 thru January 2013 (a)	February 2013 thru March 2013 (b)	Total (c)
1	Rate Allowance			
2	National Grid - RI Gas Pension Costs Allowance	$2,383,723	$411,728	$2,795,450
3	National Grid - Service Company Allocated PBOP Costs Allowance	280,870	308,740	589,610
4	Total PBOP Costs	$2,664,593	$720,467	$3,385,060
5				
6	Expense Reconciliation			
7	July - October Actual PBOP Expense Including Service Company-Allocated Expense			$1,219,708
8	November - March Estimated PBOP Expense Including Service Company-Allocated Expense			1,523,532
9				
10	Total Current Year PBOP Expense Including Service Company-Allocated Expense			$2,743,241
11				
12	Rate Allowance			$3,385,060
13				
14	**Current Year Regulatory Expense Reconciliation**			($641,819)
15				
16	**Funding Carrying Charge**			(253,631)

Line Notes:

2(a) Docket No. 3943 Attachment NG-MDL-3 page 2 of 2 line 2 prorated for 7 months

2(b) Docket No. 4323 Attachment MDL-3-GAS page 35 of 65 line 1(e) prorated for 2 months

3(a) Docket No. 3943 Attachment NG-MDL-3 page 2 of 2 line 3 prorated for 7 months

3(b) Docket No. 4323 Attachment MDL-3-GAS page 35 of 65 sum of lines 2(e) thru 5(e) prorated for 2 months

4 Line 2 plus Line 3

7 Penision expense per books

8 Page 6 of 6, Line 8(f)

10 Line 7 plus Line 8

12 Line 4

14 Line 10 minus Line 12

16 Minus Page 4 of 6. Line 26(h)

Narragansett Electric - Gas Operations
Pension Funding Carrying Charges
9 Months Ended March 31, 2013

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Customer Funding	Dkt 3943	Dkt 4323	Mar-2012	Jun-2012	Sep-2012	Dec-2012	Mar-2013	
1	Base Rate Recovery:								
2	Direct	$4,777,478	$4,702,324	$1,194,369	$1,194,369	$1,194,369	$1,194,369	$1,181,844	
3	Servco	$274,525	$2,977,528	$68,631	$68,631	$68,631	$68,631	$519,132	
4									
5	PAM Surcharge Recovery:	$2,578,314	$2,481,524	$644,579	$644,579	$644,579	$628,447	$620,381	
6	Exclude Carrying Charge Credit			$0	$0	$0	$0	$0	
7	Pension Capitalized Amount:								
8	Direct	$2,187,607	$4,143,326	$546,902	$546,902	$546,902	$546,902	$872,855	
9	Servco	$39,704	$503,448	$9,926	$9,926	$9,926	$9,926	$87,217	
10									
11	Total Customer Funding:			$2,464,407	$2,464,407	$2,464,407	$2,448,275	$3,281,428	
12									
13	**Company Contributions[1]**			Jun-2012	Sep-2012	Dec-2012	Mar-2013	Jun-2013	
14	Pension			$2,608,000	$2,317,000	$3,739,000	895,000	2,004,250	
15									
16	Service Company Allocated Costs			$78,557	$78,557	$78,557	$78,557	$606,349	
17	**Total Contributions**			$2,686,557	$2,395,557	$3,817,557	$973,557	$2,610,599	
18									
19	Under/(Over) Funding			($222,150)	$68,850	($1,353,150)	$1,474,718	$670,830	
20									
21	Cumulative Under/(Over) Funding			($222,150)	($153,301)	($1,506,451)	($31,733)	$639,097	
22	Five Quarter Average								($254,908)
23									
24	Base for Carrying Charge (greater of line 22 or zero)								$0
25	Pre-tax WACC								10.05%
26	Carrying Charge								$0

Company Contributions[1]-This amount represents dollars funded in the subsequent quarter

Line Notes

1(a)	Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line
1(b)	Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 line 1(e)
1(c)-1(f)	Line 2(a) divided by 12 times 3
1(g)	(Line 2(a) divided by 12 times 1) plus (Line 2(b) divided by 12 times 2)
2(a)	Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line 3 prorated for 7 months
2(b)	Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 sum of lines 2(e) thru 5(e) prorated for 2 months
2(c)-2(f)	Line 3(a) divided by 12 times 3
2(g)	(Line 3(a) divided by 12 times 1) plus (Line 3(b) divided by 12 times 2)
5(a)	Docket No. 4339 Attachment MCS-5 page 2 of 3 line 11(c)
5(b)	Docket No. 4339 Attachment MCS-5 page 2 of 3 line 11(d)
5(c)-5(e)	Line 5(a) divided by 12 times 3
5(f)	(Line 5(a) divided by 12 times 1) plus (Line 5(b) divided by 12 times 2)
5(g)	Line 5(b) divided by 12 times 3
8(a)	Line 2(a) times (1 minus Page 5 of 6 line 3(a))
8(b)	Page 5 of 6, line 1(a)minus line 2(b)
8(c)-8(f)	Line 8(a) divided by 12 times 3
8(g)	(Line 8(a) divided by 12 times 1) plus (Line 8(b) divided by 12 times 2)
9(a)	Line 9(a) divided by the sum of Lines 3(b) and 9(b)
9(b)	Page 5 of 6 (line 1(b) times line 2(b) times (1 minus line 3(b))) plus (line1(d) times line 2(d) times (1 minus line 3(d)))
9(c)-9(f)	Line 9(a) divided by 12 times 3
9(g)	(Line 9(a) divided by 12 times 1) plus (Line 9(b) divided by 12 times 2)
11	The sum of lines 2, 3, 5, 8 and 9
14	Per Company Books
16	Per Company Books
17	Sum of line 14 through line 16
19	Line 11 minus line 17
21	Current year line 19 plus prior year line 21
22	Average of column (c) through column (g)
24	If line 22 is greater than zero, line 22 if not, zero
25	Docket No 4323
26	Line 24 times line 25

Narragansett Electric - Gas Operations
PBOP Funding - Carrying Charges
9 Months Ended March 31, 2013

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Customer Funding	Dkt 3943	Dkt 4323	Mar-2012	Jun-2012	Sep-2012	Dec-2012	Mar-2013	
1	Base Rate Recovery:								
2	Direct	$4,086,382	$2,470,365	$1,021,596	$1,021,596	$1,021,596	$1,021,596	$752,259	
3	Servco	$481,491	$1,852,439	$120,373	$120,373	$120,373	$120,373	$348,864	
4									
5	PAM Surcharge Recovery:	$1,482,590	($510,699)	$370,648	$370,648	$370,648	$38,433	($127,675)	
6	Exclude Carrying Charge Credit			$0	$0	$0	$0	$0	
7	OPEB Capitalized Amount:								
8	Direct	$1,871,154	($2,470,365)	$467,789	$467,789	$467,789	$467,789	($255,798)	
9	Servco	$0	$0	$0	$0	$0	$0	$0	
10									
11	Total Customer Funding:			$1,980,404	$1,980,404	$1,980,404	$1,648,190	$717,651	
12									
13	**Company Contributions[1]**			Jun-2012	Sep-2012	Dec-2012	Mar-2013	Jun-2013	
14	OPEB			$1,237,145	$703,136	$700,958	701,741	621,709	
15									
16	Service Company Allocated Costs			$120,373	$120,373	$120,373	$120,373	$348,864	
17				$1,357,518	$823,509	$821,331	$822,113	$970,573	
18									
19	Under/(Over) Funding			$622,886	$1,156,895	$1,159,073	$826,076	($252,923)	
20									
21	Cumulative Funding Under/(Over) Funding			$622,886	$1,779,782	$2,938,855	$3,764,932	$3,512,009	
22	Four Quarter Average								$2,523,693
23									
24	Base for Carrying Charge (greater of line 22 or zero)								$2,523,693
25	Pre-tax WACC								10.05%
26	Carrying Charge								$253,631

Company Contributions[1]-This amount represents dollars funded in the subsequent quarter

Line Notes

1(a)	Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line
1(b)	Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 line 1(e)
1(c)-1(f)	Line 2(a) divided by 12 times 3
1(g)	(Line 2(a) divided by 12 times 1) plus (Line 2(b) divided by 12 times 2)
2(a)	Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line 3 prorated for 7 months
2(b)	Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 sum of lines 2(e) thru 5(e) prorated for 2 months
2(c)-2(f)	Line 3(a) divided by 12 times 3
2(g)	(Line 3(a) divided by 12 times 1) plus (Line 3(b) divided by 12 times 2)
5(a)	Docket No. 4339 Attachment MCS-5 page 2 of 3 line 11(c)
5(b)	Docket No. 4339 Attachment MCS-5 page 2 of 3 line 11(d)
5(c)-5(e)	Line 5(a) divided by 12 times 3
5(f)	(Line 5(a) divided by 12 times 1) plus (Line 5(b) divided by 12 times 2)
5(g)	Line 5(b) divided by 12 times 3
8(a)	Line 2(a) times (1 minus Page 6 of 6 line 2)
8(b)	Page 6 of 6, line minus line 2(b)
8(c)-8(f)	Line 8(a) divided by 12 times 3
8(g)	(Line 8(a) divided by 12 times 1) plus (Line 8(b) divided by 12 times 2)
9(a)	Line 9(a) divided by the sum of Lines 3(b) and 9(b)
9(b)	Page 6 of 6 (line times line 1 times (1 minus line 2)) plus (line times line 1 times (1 minus line 2))
9(c)-9(f)	Line 9(a) divided by 12 times 3
9(g)	(Line 9(a) divided by 12 times 1) plus (Line 9(b) divided by 12 times 2)
11	The sum of lines 2, 3, 5, 8 and 9
14	Per Company Books
16	Per Company Books
17	Sum of line 14 through line 16
19	Line 11 minus line 17
21	Current year line 19 plus prior year line 21
22	Average of column (c) through column (g)
24	If line 22 is greater than zero, line 22 if not, zero
25	Docket No 4323
26	Line 24 times line 25

Narragansett Electric - Gas Operations
Estimated Pension Expense
Fiscal Year Ended March 31, 2013

		(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e) (f)
				FAS87 Costs			
		Company Direct	KeySpan Service Company	KeySpan Utility Company	National Grid USA Service Company	Other	Total
							-
1	Actuarial Pension Total Cost	$8,845,650	$64,694,423	$4,910,580	$30,534,361		
2	Percentage Charged to Company- Total	*100.00%*	*2.29%*	*0.65%*	*4.99%*		
3	O & M Percentage Charged to Company Labor	*54.21%*	*92.12%*	*100.00%*	*74.62%*		
4	Total Acturial Company FAS 87 Costs to O&M	$4,795,227	$1,364,760	$31,919	$1,136,959	$0	$7,328,865
5							$0
6	Total Estimated Pension Expense	$4,795,227	$1,364,760	$31,919	$1,136,959	$0	$7,328,865
7							
8	Pension Expense Pro Rated for 5 Months						$3,053,694
9							

		(g)
11		**FY**
12		**2013**
13	**Company Direct**	
14	FAS 87 Cost per Hewitt	$4,780,390
15	Fair Value Amortization	$4,065,260
16	**Company Direct Total Pension Cost**	$8,845,650
17		
18		**FY**
19		**2013**
20	**KeySpan Corporate Services**	
21	FAS 87 Cost per Hewitt	$64,694,423
22	Fair Value Amortization	$0
23	**KeySpan Corporate Services Total Pension Cost**	$64,694,423
24		
25		**FY**
26		**2013**
27	**Keyspan Utility Company**	
28	FAS 87 Cost per Hewitt	$4,910,580
29	Fair Value Amortization	
30	**Keyspan Utility Serv Co. Total Pension Cos**	$4,910,580
31		
32		**FY**
33		**2013**
34	**National Grid Service Company**	
35	FAS 87 Cost per Hewitt	$39,872,352
36	Fair Value Amortization	($9,337,991)
37	**National Grid Service Company Total Pension Cost**	$30,534,361

Line Notes

1(a)	Line 16(g)
1(b)	Line 23(g)
1(c)	Line 30(g)
1(d)	Line 37(g)
2	Docket No. 4323 Schedule MDL-3-GAS page 36 of 65, line 21
3	Docket No. 4323 Schedule MDL-3-GAS page 36 of 65, line 22
4	Line 1 times line 2 times line 3
6	Line 4
8(f)	Line 6(f) divided by 12 and multiplied by 5
14	2013 Actuary Report
15	From Company Books
16	Line 14 plus line 15
21	2013 Actuary Report
22	From Company Books
23	Line 21 plus line 22
28	2013 Actuary Report
29	From Company Books
30	Line 28 plus line 29
35	2013 Actuary Report
36	From Company Books
37	Line 35 plus line 36

Narragansett Electric - Gas Operations
Estimated Post-Employment Benefits Other than Pensions (PBOP) Expense
Fiscal Year Ended March 31, 2013

		(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e) (f)
		FAS106 Costs					
		Company Direct	KeySpan Service Company	KeySpan Utility Company	National Grid USA Service Company	Other	Total
							$0
1	Acutarial POBP Total Cost	$3,827,908	$41,478,830	$3,324,901	$18,389,516		
2	Percentage Charged to Company- Total	*100.00%*	*2.29%*	*0.65%*	*4.99%*		
3	O & M Percentage Charged to Company Labor	*54.21%*	*92.12%*	*100.00%*	*74.62%*		
4	Total Company Rate Year FAS 106 Costs to O&M	$2,075,109	$875,016	$21,612	$684,741	$0	$3,656,478
5							$0
6	Total Estimated POBP Expense	$2,075,109	$875,016	$21,612	$684,741	$0	$3,656,478
7							
8	POBP Expense Pro Rated for 5 Months						$1,523,532

		(g)
11		**FY**
12	**Company Direct**	**2013**
13	FAS 106 Cost per Hewitt	$2,038,178
14	Fair Value Amortization	$1,789,730
15	**Company Direct Total POBP Cost**	$3,827,908
16		
17		**FY**
18		**2013**
19	**KeySpan Corporate Services**	
20	FAS 106 Cost per Hewitt	$41,478,830
21	Fair Value Amortization	$0
22	**KeySpan Corporate Services Total POBP Cost**	$41,478,830
23		
24		**FY**
25		**2013**
26	**KeySpan Utility Services**	
27	FAS 106 Cost per Hewitt	$3,324,901
28	Fair Value Amortization	$0
29	**KeySpan Utility Services Total POBP Cost**	$3,324,901
30		
31		**FY**
32		**2013**
33	**National Grid Service Company**	
34	FAS 106 Cost per Hewitt	$18,030,137
35	Fair Value Amortization	$359,379
36	**National Grid Service Company Total POBP Cost**	$18,389,516

Line Notes

1(a)	Line 15
1(b)	Line 22
1(c)	Line 29
1(d)	Line 36
2	Docket No. 4323 Schedule MDL-3-GAS page 35 of 65, line 22
3	Docket No. 4323 Schedule MDL-3-GAS page 35 of 65, line 23
4	Line times line 1 times line 2
6	Line 3
8(f)	Line 5(a)+(b)+(c)+(d)+(e) divided by 12 and multiplied by 5
14	2013 Actuary Report
15	From Company Books
16	Line 13 plus line 14
21	2013 Actuary Report
22	From Company Books
23	Line 20 plus line 21
28	2013 Actuary Report
29	From Company Books
30	Line 27 plus line 28
35	2013 Actuary Report
36	From Company Books
37	Line 34 plus line 35

Schedule
WRR-2

Schedule WRR-2

Actual vs. Forecasted Revenue Requirement Associated with FY 2013 Infrastructure, Safety, and Reliability ("ISR") Plan

The Narragansett Electric Company
d/b/a National Grid
FY 2013 Gas ISR Revenue Requirement Reconciliation
Summary

Line No.		As Approved (a)	(b)	Calculated (c)
1	FY2013 Revenue Requirement on Proposed FY2013 Capital Investment	$2,506,927	*66.7%	$1,672,120
2	FY2013 Revenue Requirement on FY2013 Actual Incremental Capital Investment			($151,130)
3	FY2013 Revenue Requirement on Proposed FY2012 Capital Investment	$5,025,507	*66.7%	$3,352,013
4	FY2013 Revenue Requirement on FY 2012 Actual Incremental Capital Investment			$515,967
5	Less Property Tax Related Settlement Agreement dated 1/30/12	($260,000)	*66.7%	($173,420)
6	Total Actual FY2013 Revenue Requirement	$7,272,434		$5,215,550
7	True Up for Capital Repairs Deduction Rate of FY2012 Revenue Requirement Reconciliation in R.I.P.U.C. Docket No. 4219			($51,435)
8	True Up for Capital Repairs Deduction Rate of Proposed FY2013 Revenue Requirement on FY2012 Capital Investment in R.I.P.U.C. Docket No. 4306			($78,552)
9	Total Adjusted FY2013 Revenue Requirement			$5,085,563

Column Notes
(a) R.I.P.U.C. Docket No. 4306 FY 2013 Proposal, Schedule WRR-1, Page 1 of 5, Column (b)
(b) Actual Throughput Percentage for Narrangansett Gas for ten months April 1, 2012 through January 31, 2013

Line Notes
1(c) Line 1(a) multiplied by Line 1(b)
2(c) Page 2 of 11, Line 24(a)
3(c) Line 3(a) multiplied by Line 3(b)
4(c) Page 4 of 11, Line 24(b)
5(c) Line 5(a) multiplied by Line 5(b)
6(c) Sum of Lines 1(c) through 5(c)
7(c) Page 7 of 11, Line 4(c)
8(c) Page 7 of 11, Line 8(c)
9(c) Sum of Lines 6(c) through 8(c)

Schedule
WRR-3

Schedule WRR-3

Schedule of Refunds Due to Customers as a Result of the Capital Tracker

Narragansett Electric - Gas Operations
Capital Tracker History

Measurement Period rate year ending September 30, 2009

	Refund Period	Annual Revenue Requirement	Passed back in DAC Factor Effective	
(1)	November 1, 2008 - October 31, 2009	($2,019,423)	November 1,2009	(a)
(2)	November 1, 2009 - October 31, 2010	($2,013,339)		
(3)	November 1, 2010 - October 31, 2011	($2,013,339)	November 1,2010	
(4)	November 1, 2011 - October 31, 2012	($2,013,339)	November 1, 2011	
(5)	November 1, 2012 - January 31, 2013	($2,013,339)	November 1, 2012	(b)

Source: Annual DAC filings.

(a) To align credit to customers with period over which revenue requirement was calculated, the Company reflected two year's worth of revenue requirement in the November 2009 DAC.

(b) Filed for an annual revenue requirement refund of $2,013,339, but investment moved into rate base (and base rates) effective February 1, 2013, so refund should only be for the 3 months that are prior to when base rates went into effect.

Schedule
WRR-4

Schedule WRR-4

Schedule of Recovery as a Result of the ARP

Narragansett Electric - Gas Operations
ARP History

	Investment Period (period over which investment was recorded)	Revenue Requirement Period (period over which revenue requirement was applicable)	Amount	Recovered in DAC Factor Effective	
(1)	October 1, 2009 - March 31, 2010	April 1, 2010 - March 31, 2011	$323,386	November 1, 2010	
(2)	October 1, 2009 - March 31, 2010 April 1, 2010 - March 31, 2011 (FY 11)	April 1, 2011 - March 31, 2012	$2,206,391	November 1, 2011	
(3)	October 1, 2009 - March 31, 2010 April 1, 2010 - March 31, 2011 (FY 11)	April 1, 2012 - March 31, 2013	$2,199,383	November 1, 2012	
(4)	October 1, 2009 - March 31, 2010 April 1, 2010 - March 31, 2011 (FY 11)	April 1, 2012 - January 31, 2013	$2,199,383	November 1, 2012	(a)

Source: Annual DAC filings.

(a) Filed for an annual revenue requirement recovery of $2,199,383, but investment moved into rate base (and base rates) effective February 1, 2013.