

August 1, 2011

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: 2011 Distribution Adjustment Charge Filing
Docket No. 4269**

Dear Ms Massaro:

In accordance with the provisions of the Distribution Adjustment Clause (“DAC”) Tariff, RIPUC NG No. 101, Section 3, Schedule A, enclosed please find ten (10) copies of National Grid’s annual DAC filing.

The filing consists of the pre-filed testimony of John F. Nestor, III and associated attachments in support of changes to various components of the DAC. As the underlying data for other components of the DAC only become available after August 1, the Company will supplement this filing on or before September 1, 2011, and will provide a proposed DAC rate incorporating factors for all the DAC components.

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

Sincerely,



Thomas R. Teehan

Enclosures

cc: Leo Wold, Esq.
Steve Scialabba
Bruce Oliver

2011 DISTRIBUTION ADJUSTMENT CHARGE

DIRECT TESTIMONY

OF

JOHN F. NESTOR, III

August 1, 2011

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I. INTRODUCTION

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is John F. Nestor, III. My business address is Reservoir Woods, 40 Sylvan
3 Road, Waltham, Massachusetts 02451-1120.

4 **Q. WHAT IS YOUR POSITION AND RESPONSIBILITIES?**

5 A. I am a Specialist-Pricing - New England in the Gas Regulatory & Pricing
6 organization for National Grid – Gas ("National Grid" or the "Company"). My
7 responsibilities include overseeing the design, implementation, and administration of
8 rates and tariffs by National Grid for natural gas service in Rhode Island,
9 Massachusetts, and New Hampshire.

10 **Q. PLEASE DESCRIBE YOUR EDUCATIONAL AND PROFESSIONAL**
11 **BACKGROUND.**

12 A. I have a Bachelor of Arts in American Studies from Merrimack College, a Masters in
13 Business Administration from Northeastern University, and a Juris Doctorate from
14 Suffolk University Law School. I have been employed by National Grid in my
15 current position since November of 2008. Prior to joining National Grid, I was
16 employed by Verizon Communications ("Verizon") and its predecessor companies
17 for over 20 years as Vice President for Regulatory and State Government Relations,
18 Director of Regulatory Affairs for Massachusetts and Director of Regulatory Planning

1 & Support. I also have been employed as an attorney in private practice and by the
2 Massachusetts Department of Public Utilities (“MDPU”) as a utility specialist,
3 Director of Telecommunications and as regulatory counsel to the Commission. In
4 addition, I served as a legislative assistant in the United States House of
5 Representative where I had responsibility for matters before the Federal
6 Communications Commission and Federal Power Commission (now FERC).

7 **Q. HAVE YOU PREVIOUSLY TESTIFIED OR APPEARED BEFORE THIS**
8 **COMMISSION?**

9 A. Yes. I have previously testified before this Commission a number of times in prior
10 proceedings addressing Distribution Adjustment Charge (“DAC”) rates and tariffs;
11 Gas Cost Recovery (“GCR”) rates and tariffs; Infrastructure, Safety and Reliability
12 (“ISR”) rates and tariffs, and Energy Efficiency rates and tariffs. I also have testified
13 or appeared before this Commission and Staff in a number of proceedings and
14 dockets during my time with Verizon and with the MDPU concerning rates, tariffs,
15 rules and regulations, and telephone numbering issues.

16 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

17 A. The purpose of this testimony is to describe the changes to the various components of
18 the DAC and to propose updated factors to be effective November 1, 2011. In
19 addition, this testimony will describe the reconciliation of various DAC components
20 for 2011 (“DAC 2011”).

1 **Q. HOW IS YOUR TESTIMONY ORGANIZED?**

2 A. My testimony is composed of four (4) general sections: *I.* the Introduction; *II.* a DAC
3 Summary; *III.* the DAC Component Details; and *IV.* the DAC 2011 Reconciliation
4 Factor.

5 **Q. ARE THERE ANY ATTACHMENTS ACCOMPANYING YOUR**
6 **TESTIMONY?**

7 A. Yes. I am sponsoring the following Attachments:

8	Attachment NG-JFN-1	Summary of Distribution Adjustment Charges
9	Attachment NG-JFN-2	System Pressure
10	Attachment NG-JFN-3	AGT Rebate Account Balance
11	Attachment NG-JFN-4	Environmental Response Cost
12	Attachment NG-JFN-5	Pension and Post-Retirement Benefits
13	Attachment NG-JFN-6	Capital Tracker/Accelerate Replacement Program
14	Attachment NG-JFN-7	On-System Margin Credits
15	Attachment NG-JFN-8	Weather Normalization
16	Attachment NG-JFN-9	DAC Reconciliation Factor
17	Attachment NG-JFN-10	Preliminary DAC Rates

II. DAC SUMMARY

18 **Q. PLEASE DESCRIBE THE DAC AND THE VARIOUS COMPONENTS THAT**
19 **ARE INCLUDED.**

20 A. The DAC was established in Docket No. 3401 to provide for the recovery and
21 reconciliation of the costs of identifiable special programs, as well as to facilitate the
22 timely rate recognition of incentive provisions. As described in the Company's tariff
23 RIPUC NG No. 101, Section 3, Schedule A, the DAC includes an annual System
24 Pressure factor, an Advanced Gas Technology ("AGT") factor, a Low Income

1 Assistance Program (“LIAP”) factor, an Environmental Response Cost (“ERC”)
2 factor, a Pension Costs and Post-retirement Benefits Other than Pensions (“PBOP”)
3 factor, a Capital Expenditures Tracker (“CXT”) and Accelerated Replacement
4 Program (“ARP”) factor, an ISR factor, a Weather Normalization Adjustment
5 (“WNA”) factor ¹; an On-System Margin Credit factor, a Service Quality
6 Performance (“SQP”) factor, an Earnings Sharing (“ESM”) factor, and a
7 Reconciliation (“R”) factor for the previous year.

8 **Q. WHAT IS THE PROPOSED DAC RATE?**

9 A. The proposed DAC rate has not been finalized as of August 1 because certain
10 underlying data for the development of a number of components and factors is not yet
11 available. Based upon the data that is available, the preliminary November DAC rate
12 is \$0.0035 per therm as shown on Attachment NG-JFN-1. As discussed later in this
13 testimony, the Company will supplement and update selected information in its
14 September 1, 2011 annual DAC filing and as the additional information becomes
15 available. These supplemental filings will provide a proposed DAC rate
16 incorporating factors for all appropriate DAC components and include a bill impact
17 analysis.² A preliminary summary of the various DAC rates as currently available is

¹ In accordance with the Commission’s July 26, 2011 approval of a Revenue Decoupling Mechanism (“RDM”) in Docket No. 4206, the WNA factor has been modified in this filing as discussed below and will be eliminated from future DAC filings.

² The supplemental filings will incorporate the current Infrastructure, Safety and Reliability (“ISR”) DAC rates that were approved in Docket No. 4219.

1 provided as Attachment NG-JFN-1.³ Consistent with the provisions of the
2 Company's tariff RIPUC NG 101, Section 3, Schedule A, the updated DAC rates are
3 proposed to be effective with consumption starting November 1, 2011.

III. DAC COMPONENT DETAILS

4 **Q. WHAT IS THE SYSTEM PRESSURE COMPONENT?**

5 A. Maintaining proper operating pressure on the Company's distribution system requires
6 the occasional use of the Company's LNG facilities. The system pressure component
7 to be reflected in the DAC will represent the associated projected LNG costs for the
8 period November 1, 2011 through October 31, 2012. This component reflects the
9 product of forecasted 2011-2012 non-economic dispatch LNG costs (withdrawal
10 commodity, inventory financing, and supplier demand) and the percentage of local
11 storage used to maintain system pressure. The LNG system pressure portion of LNG
12 Operating and Maintenance costs was established at the time of the Company's last
13 rate case, Docket No. 3943, and is recovered in base rates.

³ Consistent with the Commission approval of rate-class-specific DAC factors in the ISR proceeding, Docket No. 4219, the currently effective rate class DAC rates are set forth below:

Residential Heating	\$0.0167 per therm
Residential Non-heating	\$0.0233 per therm
Small C&I	\$0.0178 per therm
Medium C&I	\$0.0150 per therm
Large C&I Low Load	\$0.0145 per therm
Large C&I High Load	\$0.0133 per therm
X-Large C&I Low Load	\$0.0117 per therm
X-Large C&I High Load	\$0.0111 per therm

1 As established in docket 3943, National Grid's system balancing percentage was 16.8
2 percent. However, in the 2010 DAC, the Company and Division agreed to conduct a
3 study to update LNG costs and establish an appropriate System Pressure allocation
4 factor for this year's DAC and GCR proceedings.⁴ The Company completed an
5 updated LNG cost study in June of 2011 and provided this information to the
6 Division in July. At this time, the Company and the Division are discussing the study
7 and the Company will file a final system pressure factor with the September 1, 2011
8 GCR and DAC filings.

9 **Q. HOW DOES THE COMPANY PLAN TO REFLECT UPDATED LNG COSTS**
10 **IN THE DAC IN LIGHT OF THIS UPDATED LNG COST STUDY?**

11 A. In Docket 4196, the Company and the Division agreed that because forecasted LNG
12 costs are directly related to gas costs, the Company will not file preliminary System
13 Pressure data in this August preliminary DAC filing, but rather will file its LNG
14 System Pressure data and factor for the 2011 DAC coincident with the Company's
15 September 1, 2011 GCR filing. In the 2011 GCR filing, non-economic dispatch LNG
16 related costs will be calculated for the 12-month period, November 2011 through
17 October 2012, utilizing the factor from the updated LNG study. This system pressure
18 component will then be utilized for the purpose of calculating the 2011 GCR charges
19 and the 2011 DAC filing's system pressure factor.

⁴ 2010 DAC, Docket No. 4196, (Order 20231) December 21, 2010 at 18.

1 **Q. PLEASE DESCRIBE THE EXISTING AGT PROGRAM.**

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

10 **Q. WHAT LEVEL OF FUNDS IS AVAILABLE FOR NEW PROJECTS IN 2011?**

11 A. At the end of June 2011, the AGT Rebate account had a preliminary balance of
12 \$1,599,537. Consistent with the Commission's Order No. 18780 in Docket No. 3690,
13 this balance reflects interest accrued during the year.

14 **Q. IS THE COMPANY PROPOSING ANY CHANGES TO THE AGT**
15 **PROGRAM?**

16 A. No. Due to increased participant interest in the AGT program, the Company is
17 proposing to maintain the current \$600,000 level of funding. In the 2010 DAC
18 proceeding, in order to encourage economic development and efficient energy
19 planning, the Division recommended to increase the AGT funding from \$300,000
20 annually to \$600,000 annually. The Commission adopted this recommendation and

1 also directed that the Company obtain Commission approval before issuing any
2 rebate funds from the AGT program in excess of \$500,000.⁵ As discussed in more
3 detail below, this increase in funding has generated a renewed interest in AGT
4 programs. Thus, the Company is proposing to continue the funding of the \$300,000
5 embedded in rates and the additional \$300,000 included last year.

6 **Q. PLEASE PROVIDE AN UPDATE WITH RESPECT TO CURRENT**
7 **CUSTOMER INTEREST AND POTENTIAL AGT REBATES?**

8 A. Over the past six months the Company has been approached by four Rhode Island
9 customers that are interested in installing combined heat and power systems at their
10 existing facilities and are examining existing energy and economic funding and
11 incentive programs to assist in their development. These include a major
12 manufacturer, an entertainment complex, a medical facility, and a major college.
13 This new interest is driven in part by not only the current reduction in the cost of
14 natural gas, but also the recent changes to the Company's Energy Efficiency
15 programs and the increase in funding to the existing AGT program.

16 Specifically, the Company is currently working with a major manufacturer to
17 examine the feasibility of installing two 4300 kW GE reciprocating engines on top of
18 the manufacturer's existing cogeneration system. The excess heat from these units
19 will produce low pressure steam, hot water, and chill water for their manufacturing

⁵ 2010 DAC, Docket No. 4196, (Order 20231) December 21, 2010 at 21,23.

1 process. The Company has estimated that this project would increase the customer's
2 annual throughput by 465,000 dths.

3 In addition, the Company has had several meetings with a major entertainment
4 complex which is working with a local energy-service firm to install 15 micro-
5 turbines to generate up to 3 MW of power, while also using the heat recovered to
6 product chilled water and space heating.

7 More recently, the Company's engineers have also met with a medical facility to
8 discuss installing two 60 KW Capstone micro-turbines at the medical facility's
9 surgery building. The current plans are for the units to generate hot water for both
10 heating and domestic use.

11 In May of 2011, a major college completed a scoping study performed by an energy
12 consultant to study the installation of a 2.6 MW Caterpillar-Engineer-driven generator
13 to produce electrical power and waste heat on the campus. The Company has been
14 working with the college to examine and discuss potential incentives, including AGT
15 funding for the project.

16 As these projects demonstrate, the increased interest in energy efficiency and energy
17 planning as well as the currently fragile state of the Rhode Island economy the AGT
18 rebate program is positioned as an important incentive for economic development and
19 clean energy in the state. Accordingly, the Company recommends continuing the
20 additional \$300,000 AGT funding for the coming year.

1 **Q. PLEASE DESCRIBE THE LOW INCOME ASSISTANCE PROGRAMS.**

2 A. The low-income assistance programs included with this DAC component are the Low
3 Income Heating Energy Assistance Program ("LIHEAP") and the Low Income
4 Weatherization Program. LIHEAP is a federally-funded, state-administered program
5 providing funding to assist low income customers in paying their heating bills. The
6 National Grid program piggybacks on the State program and provides additional
7 credits on customers' gas bills. The Low Income Weatherization Program provides
8 supplemental funding to the weatherization program administered by the Rhode
9 Island Office of Energy Resources. In the most recent gas rate case, Docket No.
10 3943, funding for LIHEAP and the weatherization program was included in base rates
11 at an annual level of \$1,585,000 and \$200,000.⁶ The Company is not proposing any
12 change to the existing program or level of funding at this time. Accordingly, the Low
13 Income Assistance Programs component of the DAC has been set at zero. q. Please
14 explain the purpose of the Environmental Response Cost Factor.

15 A. The ERC Factor is designed to allow National Grid to recover its reasonable and
16 prudently incurred costs for evaluation, remediation, and clean-up of the sites
17 associated with the Company's ownership and/or operation of manufactured gas
18 plants ("MGP"), manufactured gas storage facilities, and MGP-related off-site waste

1 disposal locations. In addition, the ERC Factor includes recovery of environmental
2 costs for removing and replacing mercury regulators and addressing meter disposal
3 issues.

4 **Q. PLEASE DESCRIBE THE PROPOSED ENVIRONMENTAL RESPONSE**
5 **COST FACTOR.**

6 A. Consistent with the Company's Tariff, RIPUC NG No. 101, Section 3, Schedule A,
7 Item 3.4, the ERC factor is a per-therm charge that reflects the 10-year amortization
8 of environmental response costs. As shown on Attachment NG-JFN-4, page 1, the
9 proposed ERC factor reflects annual amortization expenses totaling \$1,337,029. A
10 breakdown of this amortization expense is provided on Attachment NG-JFN-4, page
11 2. Environmental project-specific expenses for the most recent year, as of June 30,
12 2011, are provided on Attachment NG-JFN-4, page 3. More in-depth descriptions of
13 the various environmental projects and the 2011 activities can be found in the annual
14 environmental report filed with the Commission under separate cover letter dated
15 August 1, 2011. Netting the total amortization expenses against the \$1,310,000 of
16 ERC funding embedded in base rates leaves a balance of \$27,029 to be collected from
17 ratepayers over the November 2011 through October 2012 period. It should be noted

⁶ On July 13, 2011, the Governor signed into law H 6293 which will establish a state fund that will annually provide an additional \$6.5M to \$7.5M for LIHEAP eligible electric and gas customers to be funded by a LIHEAP Enhancement Plan charge rate.

1 that the insurance settlement of \$55,413 represents the last insurance payment under
2 the \$4 million environmental cap from the merger.

3 **Q. WHAT IS THE PENSIONS COSTS AND POST-RETIREMENT BENEFITS**
4 **RECONCILIATION?**

5 A. In Docket No. 3943, the Commission approved the Company's proposal to reconcile
6 its pension and post-retirement benefits other than pensions ("PBOP") expenses
7 annually through the DAC. In accordance with the Company's Tariff, RIPUC NG
8 No. 101, Section 3, Schedule A, Item 3.5, the PBOP adjustment factor is designed to
9 recover or refund the prior year's reconciliation of the Company's actual Pension and
10 PBOP expenses to the Company's Pension and PBOB expenses that were included in
11 base rates. The adjustment factor is based on the difference in the Company's actual
12 Pension and PBOP expense for the prior twelve- month period ended June 30 and the
13 Company's most recently approved Pension and PBOP expense base rate allowance.

14 **Q. PLEASE DESCRIBE THE CALCULATION OF THE PENSIONS AND PBOP**
15 **RECONCILIATION FACTOR?**

16 A. A calculation reconciling the Company's actual Pensions and PBOP expenses and the
17 expenses included in base rates ending June 30, 2011 is set forth in Attachment NG-
18 JFN-5, page 1. This provides the Company's actual Pensions and PBOP expenses
19 versus funding for the time period with the amount embedded in base rates. This

1 calculation is preliminary and will be updated in the Company's September 1 DAC
2 filing.

3 **Q. PLEASE DESCRIBE THE CAPITAL EXPENDITURES/ACCELERATE**
4 **REPLACEMENT PROGRAM TRACKER?**

5 A. In Docket No. 3943, the Commission approved a CXT mechanism for refunding or
6 collecting from customers the revenue requirement impact associated with variations
7 in capital spending, including an ARP. On May 1, 2009, the Division filed a Motion
8 ("Motion for Clarification"), supported by the Company, designed to clarify how the
9 CXT and ARP would be calculated and addressed in future DAC filings.

10 The Motion for Clarification set forth a formula that outlined that the Company's
11 actual plant in service for the twelve months ended September 30, 2009 was to be
12 compared to the Company's forecasted rate-year plant in service of \$314,249,372 and
13 if the actual average balance of net plant in service was less than this benchmark, an
14 annual adjustment to the Company's revenue requirement would be provided to
15 ratepayers through the CXT.⁷ The Commission approved this Motion at its Open
16 Meeting on June 25, 2009 and in a written Order issued July 16, 2009. This Order
17 also provided for an adjustment of the CXT to be reflected in the 2009 DAC, and for

⁷ The average net plant in service balance was calculated based upon a five quarter average.

1 a modified ARP component to be deferred for inclusion beginning in the 2010 DAC
2 filing.⁸

3 Q. PLEASE DESCRIBE THE CALCULATION OF THE CXT IN THE 2009 DAC.

4 A. The calculation of the CXT for the 2009 DAC included both a one-time refund to
5 customers for any excess revenues recovered from ratepayers through October 31,
6 2009, as well as an ongoing credit to customers equal to the revenue requirement,
7 including pre-tax return, municipal taxes, and depreciation on the difference between
8 the Company's actual average net plant in service for the twelve months ended
9 September 30, 2009 and the forecasted \$314,249,372 average net plant in service
10 from the last rate case.

11 As reported in the 2009 DAC, the Company's average net plant in service on
12 September 30, 2009 was \$305,033,837, which was below the \$314,249,372 target
13 level. Accordingly, in compliance with the Commission's Order, in the 2009 DAC,
14 the Company provided a one-time CXT adjustment of \$2,019,423 to reflect the
15 difference that had been recovered in rates, as well as an annual reconciliation
16 adjustment of \$2,013,339 to reflect the revenue requirement impact of this lower
17 investment.

⁸ Because any capital expenditures for the ARP program were included in the initial CXT calculation, the Motion provided that any additional adjustments or reconciliations to the ARP mechanism would be addressed in the 2010 DAC filing for effect November 1, 2010.

1 **Q. HAS THE COMPANY INCLUDED THE ANNUAL CXT RECONCILIATION**
2 **ADJUSTMENT IN THE 2011 DAC?**

3 A. Yes. Since the annual CXT reconciliation adjustment is designed to ensure rates
4 reflect the appropriate revenue requirement for the actual investment that was
5 incurred as of September 30, 2009, the adjustment of \$2,013,339 is also included in
6 the 2011 DAC, as shown on Attachment NG-JFN-6.

7 **Q. PLEASE DESCRIBE THE ARP COMPONENT OF THE CXT.**

8 A. The ARP was approved in Docket No. 3943 as part of the CXT and is a program
9 designed to accelerate over a five-year period the replacement of bare-steel and cast-
10 iron mains and high-pressure, bare-steel services located inside customers' premises.
11 The ARP provided for an annual review of replacement projects and provided the
12 Company an incremental rate adjustment mechanism for ARP investments incurred
13 during the past year that are above a threshold level included in base rates in the last
14 rate case.⁹

15 For the 2010 DAC, the ARP factor consisted of two parts. The first part was a
16 comparison of actual ARP spending to a base spending threshold level for the period
17 October 1, 2009 through March 31, 2010. This incremental ARP spending was

⁹ Docket 3943 established a pre-condition that the Company would not be allowed to implement an ARP rate adjustment if it's earnings for the year were at or above its allowed return on equity. (Order #

1 calculated by comparing the actual ARP spending for that period minus \$6,650,000,
2 but it can not be less than zero. The second part consisted of a one-time charge to
3 customers for the ARP adjustment that would have been billed from July 1, 2010 to
4 October 31, 2010.

5 For the 2011 DAC, the ARP component consists of the cumulative revenue
6 requirement for the ARP investment accounted for in the 2010 DAC for the period
7 October 1, 2009 through March 31, 2010 and the ARP investment for the period April
8 1, 2010 through March 31, 2011.

9 **Q. HAS THE COMPANY INCLUDED A CALCULATION OF THE ARP**
10 **COMPONENT OF THE CXT FACTOR WITH THIS FILING?**

11 A. Yes. As shown on Attachment NG-JFN-6, page 4, the cumulative revenue
12 requirement calculation to be included in the ARP component of the CXT for this
13 year is \$2,108,624.

14 **Q. PLEASE EXPLAIN HOW THE COMPANY'S ISR PLAN IMPACTS THE**
15 **ARP FACTOR.**

16 A. At its Open Meeting on March 17, 2011, the Commission approved the Company's
17 proposed gas ISR Plan, filed in compliance with the Revenue Decoupling legislation,

1 R.I.G.L § 39-1-27.7.1. Under this ISR Plan, future non-growth capital investment by
2 the Company for the period April 1, 2011 through March 31, 2012 is recovered
3 prospectively and reconciled in the DAC. As result, the type of investment that was
4 designed to be recovered in the ARP will now be addressed in annual ISR Plans. In
5 the ISR docket, the Commission approved a tariff modification that states that for the
6 2011 DAC, the ARP will cover the period April 1, 2010 to March 31, 2011, after
7 which the ARP will sunset and be terminated, with any previous cumulative ARP
8 investment recovery continuing until the Company's next rate case.¹⁰

9 **Q. PLEASE EXPLAIN THE CREDITING OF MARGINS FROM ON-SYSTEM**
10 **NON-FIRM SALES AND TRANSPORTATION SERVICES?**

11 **A.** The crediting of margins from on-system non-firm sales and transportation services
12 provides an offset to some of the distribution system costs. In Docket No. 3943, the
13 Commission accepted a stipulated agreement between the Company and the Division
14 that established a new structure and benchmark level for On-System margins. Under
15 the agreement, the Company would track the margins, exclusive of the Rhode Island
16 GET, for the sixty-four (64) Firm and Non-Firm Dual fuel customers at the time of
17 the most recent rate case filing, as well as any new non-firm customers and non-firm

¹⁰ RIPUC NG-Gas No. 101, Section 3, Schedule A, Sheet 8, at 3.7.

1 special contracts (collectively “Dual-Fuel customers”).¹¹ Beginning in the 2010
2 DAC, the Company would then calculate the total Dual-Fuel Customer margins,
3 exclusive of Rhode Island Gross Earnings Tax, for the twelve-month period ending
4 June 30 and if those margins exceed the \$2,816,000 threshold, then any excess
5 amount of the On-System Credit would be credited back to ratepayers.

6 **Q. ARE ANY AMOUNTS AVAILABLE THIS YEAR TO BE RETURNED TO**
7 **CUSTOMERS FROM ON-SYSTEM NON-FIRM SALES AND**
8 **TRANSPORTATION SERVICES?**

9 A. Yes. Attachment NG-JFN-7 page 2 summarizes the dual-fuel customer usage,
10 revenue and margins, net of gross earnings tax (GET) and Energy Efficiency
11 surcharges, for the period ending June 30, 2011. Based upon this information the
12 Company collected \$778,043, more than the \$2,816,000 threshold, to be returned to
13 customers.

14

15 **Q. DID THE COMPANY INCLUDE A COMPONENT IN THE DAC FOR**
16 **PENALTIES UNDER THE COMPANY’S SERVICE QUALITY PROGRAM?**

¹¹ See RIPUC NG No. 101 Section 3, Schedule A. 3.5.

1 A. In the Service Quality Docket No. 3476, it was agreed that any penalty amounts
2 resulting from the approved Service Quality Plan would be passed on to customers in
3 the DAC as part of the Company's annual DAC filing. As reflected in the
4 Company's Fiscal Year 2011 Annual Report on Service Quality Plan, filed with the
5 Commission under cover letter dated July 29, 2011, the Company's performance was
6 within the established benchmarks for all measures. Accordingly, there is no service
7 quality penalty included in this filing.

8 **Q. PLEASE EXPLAIN THE WEATHER NORMALIZATION ADJUSTMENT**
9 **COMPONENT.**

10 A. The WNA clause provides for crediting/debiting customers when weather over the
11 past winter is colder/warmer than normal. Under Section 3, Schedule A, Part 3.9 of
12 the Company's tariff, for the November through April time period, if the weather was
13 more than 2 percent colder than normal or more than 2 percent warmer than normal a
14 credit/debit is calculated at the rate of \$9,000 per degree day.

15 In Docket No. 4206, in compliance with the Revenue Decoupling legislation, R.I.G.L.
16 § 39-1-27.7.1, on July 26, 2011 the Commission approved an Revenue Decoupling
17 Mechanism ("RDM") Plan and tariff that modified the WNA component for the 2011
18 DAC. Under the gas RDM Plan, the WNA clause is unnecessary as the gas RDM
19 plan takes into account the effect of the weather on base rates. The RDM Plan is
20 designed to cover the period from April 1, 2011 through March 31, 2012, while the

1 this year's WNA clause covers the period November 2010 to April 2011. Thus, in
2 order to avoid a double counting of the month of April 2011 in the WNA clause and
3 RDM Plan, the Company agreed with the Division to exclude the heating degree days
4 for the month of April 2011 from the calculation of the WNA factor for the 2011
5 DAC.

6 With the elimination of the degree days for the month of April 2011, the remaining
7 winter period, November 2010 through March 2011, had colder-than-normal weather
8 registering 247 degree days outside of the 2 percent dead-band. Accordingly, as
9 shown on Attachment NG-JFN-8, the weather normalization adjustment to be
10 credited to customers is \$2,223,000.

11 **Q. HAS THE COMPANY PERFORMED AN EARNINGS SHARING**
12 **CALCULATION FOR INCLUSION IN THIS TESTIMONY?**

13 A. The Company has not yet performed the earnings sharing calculation because the
14 Company's financial data for the fiscal year ending June 30, 2011 has not yet been
15 completed. As soon as the data is available, the Company will perform the earning
16 sharing calculation and will supplement this filing with testimony supporting the
17 calculation no later than the September 1, 2011 annual DAC filing.

18

IV. DAC 2010 RECONCILIATION

1 **Q. WHAT IS INCLUDED IN THE RECONCILIATION COMPONENT OF THE**
2 **DAC?**

3 A. The unit DAC rates for the previously described components are established on the
4 basis of a projected level of consumption. The reconciliation component of the DAC
5 allows for the reconciliation of the actual costs and revenues with previous
6 projections. The individual items that are being reconciled fall into one of two
7 general groupings -- those being reconciled on the basis from July 2010 through the
8 end of June 2011, and those being reconciled on the basis of the gas year, which goes
9 from November 2010 through the end of October 2011. A summary of the various
10 items being reconciled is shown on Attachment NG-JFN-9, page 1.

11 The first three items shown on NG-JFN-9, page 1 relate to the reconciliation of actual
12 levels of revenues collected versus the level of funding that was incorporated in the
13 establishment of base rates. For example, in Docket No. 3943, it was agreed to
14 include in the development of base distribution rates, low income assistance funding
15 at the level of \$1,785,000. The reconciliation accounts for any differences in total
16 consumption or firm throughput during 2011 to ensure that low income assistance
17 funding is maintained at the annual level of \$1,785,000. Similarly, AGT funds and

1 ERC funds are reconciled with the approved base rate levels of \$300,000¹² and
2 \$1,310,000, respectively.

3 **Q. WHAT ARE THE ENDING BALANCES FOR THE BASE RATE**
4 **COMPONENTS OF THE RECONCILIATION FACTOR?**

5 A. As shown on Attachment NG-JFN-9, page 2, the ending balance for the AGT
6 Adjustment is (\$7,412), the ending balance for the LIAP is (\$49,121), and the ending
7 balance for the ERC is (\$35,746).

8 **Q. PLEASE DESCRIBE THE FACTORS RECONCILED BASED UPON THE**
9 **GAS YEAR.**

10 A. As shown on Attachment NG-JFN-9, page 3, the Reconciliation Factor for this year
11 reconciles the actual costs and revenues with last year's projections for nine (9)
12 categories.¹³ They are (1) System Pressure reconciliation, (2) AGT-DAC of
13 \$300,000, (3) Environmental-DAC reconciliation, (4) On-System Margin Credits
14 reconciliation, (5) Weather Normalization reconciliation, (6) the prior year's
15 Reconciliation Factor which includes a true-up of actual results for those items which
16 included forecast months in their 2010 DAC calculation, (7) a CXT/ARP
17 reconciliation, (8) a Pensions reconciliation, and (9) a PBOP reconciliation. The

¹² As noted above, the Reconciliation AGT factor also reconciles an additional \$300,000 which is included in those components reconciled on the gas year.

¹³ The Reconciliation Factor can also include the (10) ESM and (11) SQP factors which are set at zero.

1 individual preliminary reconciliation ending balances for the gas year are shown on
2 Attachment NG-JFN-9, page 3. The Company will be updating the ending balances
3 for each of these reconciliation items in its September 1, 2011 DAC filing.

4 **Q. WHAT IS THE OVERALL RECONCILIATION CALCULATION FOR THE**
5 **2011 DAC?**

6 A. The preliminary overall Reconciliation calculation factor is set forth in Attachment
7 NG- JFN-9, Page 1. The reconciliation factor will return (\$248,239) to customers.

8 **Q. PLEASE DESCRIBE THE DEVELOPMENT OF THE FORECAST**
9 **THROUGHPUT REQUIREMENTS UTILIZED IN THE PRELIMINARY**
10 **DAC.**

11 A. The preliminary DAC calculations are based upon a preliminary 2011 weather-
12 normalized throughput adjusted for the non-firm customers for the past year. This
13 estimate is the best available throughput data at this time and serves as the starting
14 point for the 2012 forecasted throughput. This factor will be finalized and provided
15 with the Company's September 1, 2011 Gas Cost Recovery (GCR) rate filing.

16 **Q. WHAT ARE THE PRELIMINARY DAC RATES?**

17 A. As previously noted, in the ISR proceeding in Docket No. 4219 the Commission
18 approved rate-class-specific DAC factors. In this proceeding, the Company is
19 developing a single DAC factor that will be combined with the individual ISR rate-

1 class-specific DAC factors to establish the new rate class DAC rates. Attachment
2 NG-JFN-10 provides the preliminary DAC rates by rate class.

3 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

4 A. At the current time, yes. As stated earlier, this testimony will be supplemented on or
5 before September 1, 2011 with additional data including a final throughput forecast,
6 proposed DAC rates by rate class incorporating factors for all DAC components and a
7 customer bill impact analysis.

Updated Summary of Distribution Adjustment Charge
(\$ Per Therm)

Line No.	Description	reference	Factor
1	System Pressure		\$0.0000
2	Advanced Gas Technology Program (AGT)		\$0.0008
3	Low Income Assistance Programs (LIAP)		\$0.0000
4	Environmental Response Cost (ERC)		\$0.0001
5	Pension and Post-Retirement Benefits (PBOP)		\$0.0113
6	Capital Tracker (CAPX)/Accelerate Replacement Program (ARP)		\$0.0002
7	On-System Margin Credits (MC)		(\$0.0022)
8	Service Quality Performance (SQI)		\$0.0000
9	Weather Normalization (WN)		(\$0.0061)
10	Earnings Sharing Mechanism (ESM)		\$0.0000
11	Reconciliation Factor (R)		(\$0.0007)
12	Subtotal	sum ([1]:[11])	\$0.0034
13	Uncollectible Percentage	Dkt 3943	2.46%
14	DAC adjusted for uncollectible	[12] / (1 - [13])	\$0.0035 per therm

Calculation of System Pressure Factor

	<u>LNG Commodity Related Costs</u>			Total
	<u>Withdrawal Commodity</u>	<u>Inventory Costs</u>	<u>Demand from GCR</u>	
Nov-11	-----	-----	-----	\$0
Dec-11				\$0
Jan-12				\$0
Feb-12				\$0
Mar-12				\$0
Apr-12				\$0
May-12				\$0
Jun-12				\$0
Jul-12				\$0
Aug-12				\$0
Sep-12				\$0
Oct-12				\$0
Total	-----	-----	-----	----- \$0
System Balancing Factor	0.168	0.168	0.168	
GCR Costs allocated to DAC	\$0	\$0	\$0	\$0
Firm Thru-put				36,155,589 dths
System Pressure Factor				\$0.0000 per dth
System Pressure Factor				\$0.0000 per therm

AGT Rebate Account Activity

Account	Jul-10 31	Aug-10 31	Sep-10 30	Oct-10 31	Nov-10 30	Dec-10 31	Jan-11 31	Feb-11 28	Mar-11 31	Apr-11 30	May-11 31	Jun-11 30	Total
Beginning Balance	\$974,780	\$985,552	\$995,640	\$1,005,843	\$1,018,343	\$1,060,649	\$1,141,619	\$1,251,428	\$1,363,038	\$1,459,344	\$1,531,483	\$1,572,009	\$0
Rebate Disbursements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Disbursements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-total Disbursements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DAC-AGT Revenue Collections	\$9,732	\$9,037	\$9,175	\$11,426	\$41,239	\$79,802	\$108,539	\$110,357	\$94,809	\$70,603	\$38,879	\$25,900	\$609,498
Other Revenue Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-total Collections	\$9,732	\$9,037	\$9,175	\$11,426	\$41,239	\$79,802	\$108,539	\$110,357	\$94,809	\$70,603	\$38,879	\$25,900	\$609,498
Preliminary Ending Balance	\$984,512	\$994,589	\$1,004,815	\$1,017,269	\$1,059,582	\$1,140,451	\$1,250,158	\$1,361,785	\$1,457,847	\$1,529,947	\$1,570,362	\$1,597,909	\$0
Month's Average Balance	\$979,646	\$990,071	\$1,000,228	\$1,011,556	\$1,038,963	\$1,100,550	\$1,195,888	\$1,306,607	\$1,410,443	\$1,494,646	\$1,550,923	\$1,584,959	\$0
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%	1.250%	1.250%	1.250%	\$0
Interest Applied	\$1,040	\$1,051	\$1,028	\$1,074	\$1,067	\$1,168	\$1,270	\$1,253	\$1,497	\$1,536	\$1,647	\$1,628	\$15,259
Ending Balance	\$985,552	\$995,640	\$1,005,843	\$1,018,343	\$1,060,649	\$1,141,619	\$1,251,428	\$1,363,038	\$1,459,344	\$1,531,483	\$1,572,009	\$1,599,537	\$0

Increase of \$300,000
Troughput 36,155,589 dth
AGT Factor \$0.0083 dth
AGT Factor \$0.0008 therm

Environmental Response Cost (ERC) Factor

Line No.	Description	reference	Amount
1	Amortization of Pre-FY2003 expenses - year 10 of 10	page 2	\$1,251,027
2	Amortization of FY2003 expenses - year 9 of 10	page 2	(\$601,267)
3	Amortization of FY2004 expenses - year 8 of 10	page 2	(\$47,296)
4	Amortization of FY2005 expenses - year 7 of 10	page 2	\$13,671
5	Amortization of FY2006 expenses - year 6 of 10	page 2	\$43,602
6	Amortization of FY2007 expenses - year 5 of 10	page 2	(\$75,829)
7	Amortization of FY2008 expenses - year 4 of 10	page 2	(\$4,575)
8	Amortization of FY2009 expenses - year 3 of 10	page 2	\$96,575
9	Amortization of FY2010 expenses - year 2 of 10	page 2	\$208,826
10	Amortization of FY2011 expenses - year 1 of 11	page 2 and 3	\$452,295
11	Subtotal	sum ([1]:[9])	<u>\$1,337,029</u>
12	Base Rate Embedded ERC Funding	Dkt 3401	\$1,310,000
13	Net Requirement	[9] - [10]	----- \$27,029
14	Firm Thru-put		36,155,589 dths
15	Environmental Response Cost Factor per dth	[11] / [12]	\$0.0007 per dth
16	Environmental Response Cost Factor per therm	[13] / 10	\$0.0001 per therm

	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
ENVIRONMENTAL AMORTIZATION																			
June 30, 2002																			
NET ERC costs net of insurance	\$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	\$1,251,025	\$1,251,027	\$0	\$0						
Amortization Period (years)	10																		
FY 2003																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
FY 2004																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
FY 2005																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
FY 2006																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
FY 2007																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
FY 2008 & adjustment for FY2007																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
FY 2009																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
FY 2010																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
FY 2011																			
NET ERC costs net of insurance																			
Amortization Period (years)																			
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	(\$396,296)	\$234,974	\$282,267	\$288,599	\$224,996	\$310,821	\$96,575	\$208,826
ENVIRONMENTAL REMEDIATION COSTS																			
Beginning Balance	\$12,510,252	\$12,510,252	\$6,487,579	\$6,024,619	\$6,161,326	\$6,597,346	\$5,793,300	\$5,793,300	\$6,759,054	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318
Environmental Expenditures, net of insurance																			
Ending Balance	\$12,510,252	\$6,487,579	\$6,024,619	\$6,161,326	\$6,597,346	\$5,839,055	\$5,793,300	\$5,793,300	\$6,759,054	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318	\$8,847,318
ACCUMULATED ENVIRONMENTAL REMEDIATION																			
Beginning Balance	\$0	\$0	\$1,251,025	\$1,900,783	\$2,503,245	\$3,119,378	\$3,779,113	\$4,383,019	\$4,942,350	\$5,618,256	\$6,502,988	\$7,840,017	\$7,473,721	\$7,708,695	\$7,990,962	\$8,259,561	\$8,484,557	\$8,765,378	\$8,881,953
Amortization Expense (1)																			
Ending Balance	\$0	\$1,251,025	\$1,900,783	\$2,503,245	\$3,119,378	\$3,779,113	\$4,383,019	\$4,942,350	\$5,618,256	\$6,502,988	\$7,840,017	\$7,473,721	\$7,708,695	\$7,990,962	\$8,259,561	\$8,484,557	\$8,765,378	\$8,881,953	\$9,090,779
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	\$3,229,082	\$2,344,330	\$1,007,301	\$1,373,997	\$1,138,623	\$656,356	\$587,757	\$362,761	\$61,940	(\$34,635)	

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

Environmental Response Cost (ERC)
FY 2011

	Bal @ 06/30/2010	FY2011 Activity	Bal @ 06/30/2011
I. Environmental Expenses			
907 & 908 Allens Avenue	\$18,788,480	\$144,716	\$18,933,196
306 Insur Pol, no Pollution Excl			
307 PCB Reg Pipe Abandon.	\$430,245	\$113,045	\$543,290
309 Manchester Street			
317 Plympton			
379 Petroleum Site	\$777,624	\$952,273	\$1,729,897
700 18 & 21 Holders COR	\$2,740,149	\$36,594	\$2,776,743
161 Canal Street, Westerly	\$29,133	\$0	\$29,133
963 Narr. Electric, South St.			
170 IAG Insurance Investment			
170 General Enviro Issues			
178 Site Inv Connell Hwy Newp	\$44,092	\$0	\$44,092
144 Westerly Soil Investigation	\$82,184	\$0	\$82,184
171 Contaminated Regulators	\$2,640,778	\$178,906	\$2,819,684
781 Mendon Road	\$121,355	\$0	\$121,355
782 Tidewater	\$531,475	\$598,383	\$1,129,858
783 Hamlet	\$105,399	\$2,177	\$107,576
784 Environmental Study			
785 Gooding Ave			
786 Plympton			
787 Site Inv 19 Brown St, Warren RI			
-- Thames & Wellington	\$2,487,508	\$1,895,610	\$4,383,117
-- Misc MGP (NEG)	\$78,632	\$54,151	\$132,783
-- Insurance Recovery	\$0	\$602,506	\$602,506
Sub-Total	<u>\$28,857,053</u>	<u>\$4,578,360</u>	<u>\$33,435,413</u>
II. Insurance Recovery/Settlement			
910 Environ Insur Settlement		\$55,413	
III. Net FY2011 Environmental Response Costs			
		\$4,522,947	

National Grid
Rhode Island - Gas

**National Grid - RI Gas
Pension and PBOP Reconciliation Factor
Regulatory Reconciliation 2011**

1	Pension Reconciliation	\$2,579,924
2	PBOP Reconciliation	\$1,491,629
3	Total	\$4,071,553
4	Firm Thru-put	36,155,589 dths
5	PBOP Factor per dth	\$0.1126 per dth
6	PBOP Factor per therm	\$0.0113 per therm

**National Grid - RI Gas
Pension Costs
Regulatory Reconciliation 2011**

Line No.		Nov 2008 - <u>June 2009</u> (a)	July 2009 - <u>June 2010</u> (b)	July 2010 - <u>June 2011</u> (c)
1	<u>Rate Allowance:</u>			
2	National Grid - RI Gas Pension Costs Allowance	\$3,184,985	\$4,777,478	\$4,777,478
3	National Grid - Service Company Allocated Pension Costs Allowance	183,017	274,525	274,525
4	Total Pension Costs	<u>\$3,368,002</u>	<u>\$5,052,002</u>	<u>\$5,052,002</u>
5				
6	<u>Expense Reconciliation:</u>			
7	Current Year actual Pension Expense Including Service Company-Allocated Expense	\$3,739,574	\$6,970,079	\$7,631,927
8				
9	Rate Allowance	\$3,368,002	\$5,052,002	\$5,052,002
10				
11	Current Year Regulatory Expense Reconciliation	\$371,572	\$1,918,076	\$2,579,924
12				

Line Notes:

- 2(b) Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line 2
- 3(b) Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line 3
- 4 Line 2 + Line 3.
- 7 Pension expense per books
- 9(b) Docket No. 3943 Attachment NG-MDL-3 line 4
- 11 Line 9 - Line 7.

**National Grid - RI Gas
Post-Retirement Benefits Other Than Pension (PBOP)
Regulatory Reconciliation 2011**

<u>Line No.</u>		<u>Nov 2008 - June 2009</u>	<u>July 2009 - June 2010</u> (b)	<u>July 2010 - June 2011</u> (c)
1	<u>Rate Allowance</u>			
2	National Grid - RI Gas PBOP Costs Allowance	\$2,724,255	\$4,086,382	\$4,086,382
3	National Grid - Service Company Allocated PBOP Costs Allowance	320,994	481,491	481,491
4	Total PBOP Costs	<u>\$3,045,249</u>	<u>\$4,567,873</u>	<u>\$4,567,873</u>
5				
6	<u>Expense Reconciliation</u>			
7	Current Year actual PBOP Expense Including Service Company-Allocated Expense	\$3,848,112	\$5,140,428	\$6,059,502
8				
9	Rate Allowance	\$3,045,249	\$4,567,873	\$4,567,873
10				
11	Current Year Regulatory Expense Reconciliation	\$802,863	\$572,555	\$1,491,629
12				

Line Notes:

- 2(b) Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line 2
- 3(b) Docket No. 3943 Attachment NG-MDL-3 page 1 of 2 line 3
- 4 Line 2 + Line 3.
- 7 PBOP expense per books
- 9(b) Docket No. 3943 Attachment NG-MDL-3 line 4
- 11 Line 9 - Line 7.

National Grid
Rhode Island - Gas

**National Grid - RI Gas
Capital Tracker-Revenue Requirement
and Accelerated Replacement Program**

Annual CapX Reconciliation		Reference	
1	Revenue Requirement	page 2, line 22	(\$2,013,339)
2	Firm Thru-put		36,155,589 dth
3	CapX Factor per dth	L1/L2	(\$0.0557) per dth
4	CapX Factor per therm	L3/10	(\$0.0056) therm
Accelerated Replacement Program Factor		Reference	
5	ARP Tracker	page 3, line 4	\$0.0058 therm
6	Capital Tracker/ARP Factor	L4+L5	\$0.0002 therm

**National Grid - RI Gas
Reconciliation of Capital Spending
Calculation of Appropriate Adjustment
For the Period Ended September 30, 2009***

Line No.	5 Quarter Average				
1		<u>Deferred Tax Calculation:</u>			
2		Actual Average Gross Plant in Service	569,764,089		
3		Forecasted Average Gross Plant in Service	589,768,959		
4		Decremental Amount	<u>\$ (20,004,870)</u>		
5					
6		Composite Book Depreciation Rate	3.38%		
7					
8		Book Depreciation	(676,165)		
9					
10					
11		<u>Rate Base Calculation</u>			
12		Actual Average Balance of Net Plant	\$305,033,837		
13		Forecasted Average Balance of Net Plant	314,249,372		
14			<u>\$ (9,215,535)</u>		
15					
16		<u>Revenue Requirement Calculation:</u>			
17		Rate Base for the 12 months ending 9/30/09	(9,215,535)		
18		Pre-Tax ROR	11.41%		
19		Return and Taxes	<u>(1,051,493)</u>		
20		Book Depreciation	(676,165)		
21		Property Taxes	3.10% (285,682)		
22		Annual Revenue Requirement	<u><u>(\$2,013,339)</u></u>		
23					
24					
25		<u>Imputed Capital Structure:</u>			
26		<u>Ratio</u>	<u>Rate</u>	<u>Weighted Rate</u>	<u>Pre-tax Return</u>
27		Long Term Debt	40.63%	7.99%	3.25%
28		Short Term Debt	11.66%	3.91%	0.45%
29		Common Equity	47.71%	10.50%	2.70%
30			<u>100.00%</u>	<u>8.71%</u>	<u>2.70%</u>
					<u>11.41%</u>

* DAC Attachment JFN-6S from Docket No. 4077

**National Grid - RI Gas
Accelerated Infrastructure Replacement Program
Computation of Factor**

Line
No.

Annual ARP Reconciliation

Reference

1	Revenue Requirement	page 4, line 50	\$2,108,624
2	Firm Thru-put		36,155,589 dth
3	ARP Factor per dth	L1/L2	\$0.0583 per dth
4	ARP Factor per therm	L3/10	\$0.0058 therm
5			
6			
7			
8			
9			

**National Grid - RI Gas
Accelerated Infrastructure Replacement Program
Computation of Revenue Requirement**

Line No.	October 1, 2009				
	Through March 31, 2010	Fiscal Year 2011	Fiscal Year 2012	Fiscal Year 2013	
1	<u>Deferred Tax Calculation:</u>				
2	ARP Program Actual Spend	\$9,197,025	\$28,266,615	\$0	\$0
3	Base Spending Level	6,650,000	13,300,000	0	0
4	Incremental Amount	2,547,025	14,966,615	0	0
5	Cumulative ARP Incremental Spend	\$2,547,025	\$17,513,640	\$17,513,640	\$17,513,640
6					
7	Annual Retirements	\$755,706	\$1,685,062	\$0	\$0
8	Cumulative Retirements	\$755,706	\$2,440,768	\$2,440,768	\$2,440,768
9					
10	Book Depreciation Rate	1/ 1.88%	1.88%	1.88%	1.88%
11	Capital Repairs Tax Deduction	2/ 100.00%	100.00%	100.00%	
12					
13	Vintage Year Tax Depreciation:	2,547,025	14,966,615	0	0
14					
15	Annual Tax Depreciation	2,547,025	14,966,615	0	0
16	Cumulative Tax Depreciation	2,547,025	17,513,640	17,513,640	17,513,640
17					
18	Book Depreciation	8,398	158,123	\$282,655	\$282,655
19	Cumulative Book Depreciation	8,398	166,521	449,176	731,830
20					
21	Cumulative Book / Tax Timer	2,538,627	17,347,119	17,064,464	16,781,809
22	Effective Tax Rate	35.00%	35.00%	35.00%	35.00%
23	Deferred Tax Reserve	\$888,519	\$6,071,492	\$5,972,562	\$5,873,633
24					
25	<u>Rate Base Calculation:</u>				
26	Cumulative ARP Incremental Spend	\$2,547,025	\$17,513,640	\$17,513,640	\$17,513,640
27	Accum Depreciation	(8,398)	(166,521)	(449,176)	(731,830)
28	Deferred Tax Reserve	(888,519)	(6,071,492)	(5,972,562)	(5,873,633)
29	Year End Rate Base	\$1,650,108	\$11,275,627	\$11,091,902	\$10,908,176
30					
31	<u>Revenue Requirement Calculation:</u>				
32	Year End Rate Base	\$1,650,108	\$11,275,627	\$11,091,902	\$10,908,176
33	Pre-Tax ROR	3/ 11.41%	11.41%	11.41%	11.41%
34	Return and Taxes	188,277	1,286,549	1,265,586	1,244,623
35	Book Depreciation	33,592	282,655	282,655	282,655
36	Property Taxes	4/ 3.08% 82,823	539,420	539,420	539,420
37	Annual Revenue Requirement	\$304,692	\$2,108,624	\$2,087,661	\$2,066,698
38					
39	<u>Annual Rate Adjustment:</u>				
40	Incremental Annual Rate Adjustment	\$304,692	\$1,803,932	(\$20,963)	(\$20,963)

1/ Composite mains and services depr.rate per Attachment NG-KAK-1, Page 18 (Original submission Volume 3 - Page 42)

	Plant	Depr. Accrual	Rate
Mains - Steel and other	103,509,822	1,697,561	
Mains - Plastic	99,167,915	1,973,442	
Mains - Cast Iron	8,280,995	131,668	
Services - All sizes	146,392,432	2,898,570	

	357,351,164	6,701,241	1.88%
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- 2/ Assumes 100% of capital spending qualifies for 100% capital repairs depreciaton deduction
- 3/ See NG-MDL-1, page 32 as amended for revised short term debt rate of 3.91%, Attachment NG-MDL Rebuttal-4 Page 2
- 4/ Property Tax Calculation:

	CY2009	CY2010	Average
Plant in Service	591,484,436	655,078,494	623,281,465
Accumulated Depreciation	(295,189,100)	(309,170,951)	(302,180,026)
Net Plant in service	296,295,336	345,907,542	321,101,439
Property Tax Expense CY 2010			9,878,147
Property Tax Rate			3.08%

Imputed Capital Structure: 3/

	<u>Ratio</u>	<u>Rate</u>	<u>Weighted Rate</u>	<u>Taxes</u>	<u>Pre-tax Return</u>
Long Term Debt	40.63%	7.99%	3.25%		3.25%
Short Term Debt	11.66%	3.91%	0.45%		0.45%
Common Equity	47.71%	10.50%	5.01%	2.70%	7.71%
	100.00%		8.71%	2.70%	11.41%

National Grid
Rhode Island - Gas

ON-SYSTEM MARGIN

ON-SYSTEM MARGIN FACTOR

	Margin
	July 10 - Jun 11
1	<u><u>\$778,043</u></u>
2 Firm Thru-put	36,155,589 dth
3 Margin Factor	(\$0.0215) per dth
4 Margin Factor	(\$0.0022) per therm

MARGIN THRESHOLD CALCULATION

	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Total July 10-Jun 11
	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual
Duel-fuel usage (dith)													
sub-total	351,895	345,633	258,989	300,785	411,024	455,244	390,175	396,734	455,164	355,972	262,201	254,921	4,238,738
Duel-fuel Revenue													
sub-total	397,700	404,111	396,861	534,123	781,455	851,589	792,355	821,663	834,477	734,618	458,453	446,484	\$7,453,890
less GET *	360,660	366,930	358,236	484,372	686,374	740,872	683,571	712,858	720,302	641,166	393,491	386,723	\$6,535,555
Total Gas Costs	124,455	125,787	126,627	205,114	337,214	375,543	355,162	373,910	346,475	312,226	127,887	131,112	\$2,941,512
Duel-fuel Margin	236,205	241,142	231,609	279,258	349,160	365,329	328,409	338,948	373,828	328,940	265,604	255,611	\$3,594,043
Threshold													\$2,816,000
Margin in excess of Threshold													<u>\$778,043</u>

* excludes taxes, GET, EES, and other charges such as interests.

MARGIN THRESHOLD CALCULATION

	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Total Jul 10-Jun 11
	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual
Firm usage (dth)	83,316	100,330	88,364	79,072	157,123	213,361	239,384	217,621	208,159	154,005	115,549	97,844	1,754,126
Firm Revenue													
sub-total	\$155,805	\$153,569	\$154,592	\$151,229	\$283,642	\$347,988	\$411,435	\$406,085	\$354,094	\$343,039	\$271,743	\$233,952	3,267,173
less GET *	\$145,520	\$143,747	\$144,473	\$141,749	\$235,717	\$282,559	\$335,715	\$333,655	\$287,982	\$288,742	\$231,364	\$199,052	2,770,275
Total Gas Costs	\$28,155	\$21,164	\$25,333	\$24,552	\$56,511	\$79,677	\$113,240	\$119,377	\$85,965	\$102,633	\$67,307	\$46,353	770,268
Firm Margin	\$117,364	\$122,583	\$119,140	\$117,196	\$179,206	\$202,882	\$222,476	\$214,279	\$202,017	\$186,108	\$164,057	\$152,698	2,000,007

* excludes taxes, GET, EES, and other charges such as interests.

**JULY 10 - JUNE 11
FIRM CUSTOMER DETAIL**

National Grid
Rhode Island - Gas

Assigned #	Month Charges Apply To	Banner Bill Date	Sales or Trans	Demand Charge	cust. Charge	volume (therms)	commodity charge	commodity rate (per therm)	distrib charge	distrib rate	taxes	GET	Surcharge	Efficiency	Energy	other charges	DAC	total revenue	net revenue for margin	net revenue including demand/customer charge	Gas Cost per Dth	Total Gas Cost	Total Margin	Comments	
44	Jul-10	Aug-10	Trans	4,749.26	300.00	33,582.06	N/A	0.00	0.0268	0.0268	187.53	503.73	503.73					(\$89.55)	\$6,251	\$900	\$5,949	0.0000	\$0	\$5,949	
44	Aug-10	Sep-10	Trans	4,749.26	300.00	34,954.54	N/A	0.00	0.0268	0.0268	188.81	524.32	524.32					(405.47)	\$6,251	\$937	\$5,986	0.0000	\$0	\$5,986	
44	Sep-10	Oct-10	Trans	4,749.26	300.00	33,809.60	N/A	0.00	0.0268	0.0268	187.73	507.14	507.14					(392.19)	\$6,251	\$906	\$5,955	0.0000	\$0	\$5,955	
44	Oct-10	Nov-10	Trans	4,749.26	300.00	59,419.27	N/A	0.00	0.0268	0.0268	211.66	891.29	891.29					(689.26)	\$6,251	\$1,592	\$6,642	0.0000	\$0	\$6,642	
44	Nov-10	Dec-10	Trans	4,787.44	300.00	70,196.88	N/A	0.00	0.0268	0.0268	269.37	1,052.95	1,052.95						\$8,979	\$1,881	\$6,969	0.0000	\$0	\$6,969	
44	Dec-10	Jan-11	Trans	4,787.44	300.00	87,381.36	N/A	0.00	0.0268	0.0268	312.83	1,310.72	1,310.72						\$9,611	\$2,342	\$7,429	0.0000	\$0	\$7,429	
44	Jan-11	Feb-11	Trans	4,787.44	300.00	97,439.22	N/A	0.00	0.0268	0.0268	312.83	1,461.59	1,461.59						\$10,428	\$2,611	\$7,699	0.0000	\$0	\$7,699	
44	Feb-11	Mar-11	Trans	4,787.44	300.00	83,637.92	N/A	0.00	0.0268	0.0268	200.65	1,253.07	1,253.07						\$9,693	\$2,239	\$7,326	0.0000	\$0	\$7,326	
44	Mar-11	Apr-11	Trans	4,787.44	300.00	60,504.06	N/A	0.00	0.0268	0.0268	285.82	1,207.56	1,207.56						\$9,662	\$2,158	\$7,245	0.0000	\$0	\$7,245	
44	Apr-11	May-11	Trans	4,787.44	300.00	80,928.98	N/A	0.00	0.0268	0.0268	257.03	1,135.93	1,135.93						\$8,562	\$1,633	\$6,720	0.0000	\$0	\$6,720	
44	May-11	Jun-11	Trans	4,787.44	300.00	54,593.99	N/A	0.00	0.0268	0.0268	246.66	818.91	818.91						\$6,224	\$1,463	\$6,551	0.0000	\$0	\$6,551	
44	Jun-11	Jul-10	Trans	4,787.44	300.00	39,902.85	N/A	0.00	0.0268	0.0268	1,069.54	598.54	598.54						\$7,421	\$1,069	\$6,157	0.0000	\$0	\$6,157	
46	Jul-10	Aug-10	Trans	1,075.68	120.00	4,163.57	N/A	0.00	0.0268	0.0268	222.62								\$832	\$372	\$1,568	0.0000	\$0	\$1,568	
46	Aug-10	Sep-10	Trans	1,075.68	120.00	9,300.87	N/A	0.00	0.0268	0.0268	62.45								\$2,059	\$832	\$2,027	0.0000	\$0	\$2,027	
46	Sep-10	Oct-10	Trans	1,075.68	300.00	9,202.44	N/A	0.00	0.0268	0.0268	139.51								\$1,654	\$247	\$1,622	0.0000	\$0	\$1,622	
46	Oct-10	Nov-10	Trans	1,075.68	300.00	7,719.25	N/A	0.00	0.0268	0.0268	115.79								\$1,609	\$207	\$1,583	0.0000	\$0	\$1,583	
46	Nov-10	Dec-10	Trans	1,513.92	300.00	9,216.57	N/A	0.00	0.0268	0.0268	90.32								\$2,289	\$247	\$2,196	0.0000	\$0	\$2,196	
46	Dec-10	Jan-11	Trans	1,513.92	300.00	14,269.62	N/A	0.00	0.0268	0.0268	139.84								\$2,550	\$382	\$2,343	0.0000	\$0	\$2,343	
46	Jan-11	Feb-11	Trans	1,513.92	300.00	19,732.04	N/A	0.00	0.0268	0.0268	193.37								\$2,632	\$329	\$2,452	0.0000	\$0	\$2,452	
46	Feb-11	Mar-11	Trans	1,513.92	300.00	17,819.55	N/A	0.00	0.0268	0.0268	477.56								\$478	\$478	\$2,291	0.0000	\$0	\$2,291	
46	Mar-11	Apr-11	Trans	1,513.92	300.00	11,613.30	N/A	0.00	0.0268	0.0268	113.81								\$2,413	\$311	\$2,125	0.0000	\$0	\$2,125	
46	Apr-11	May-11	Trans	1,513.92	300.00	8,304.45	N/A	0.00	0.0268	0.0268	92.18								\$2,253	\$223	\$2,036	0.0000	\$0	\$2,036	
46	May-11	Jun-11	Trans	1,513.92	300.00	8,314.46	N/A	0.00	0.0268	0.0268	92.29								\$2,254	\$223	\$2,037	0.0000	\$0	\$2,037	
46	Jun-11	Jul-10	Trans	1,513.92	300.00	8,956.97	N/A	0.00	0.0268	0.0268	99.42								\$2,288	\$240	\$2,054	0.0000	\$0	\$2,054	
47	Jul-10	Aug-10	Sales	687.71	120.00	3,614.15	1.0338	0.00	0.0268	0.0268	150.91								\$5,030	\$4,059	\$4,059	0.0000	\$3,736	\$1,311	
47	Aug-10	Sep-10	Sales	687.71	120.00	3,465.53	1.0338	0.00	0.0268	0.0268	145.73								\$4,858	\$3,892	\$4,700	0.0000	\$3,563	\$1,137	
47	Sep-10	Oct-10	Sales	687.71	120.00	3,539.33	1.0338	0.00	0.0268	0.0268	148.30								\$4,943	\$3,975	\$4,783	0.0000	\$3,653	\$1,129	
47	Oct-10	Nov-10	Sales	720.44	120.00	2,468.41	1.0338	0.00	0.0268	0.0268	154.82								\$3,922	\$2,897	\$3,737	0.0000	\$2,552	\$1,185	
47	Nov-10	Dec-10	Sales	720.44	120.00	1,392.43	0.8803	0.00	0.0268	0.0268	13.65								\$3,229	\$3,229	\$1,226	0.0000	\$1,226	\$0	
47	Dec-10	Jan-11	Sales	720.44	120.00	18,196.11	0.8803	0.00	0.0268	0.0268	178.32								\$19,522	\$17,645	\$18,485	0.0000	\$16,018	\$2,467	
47	Jan-11	Feb-11	Sales	720.44	120.00	12,347.91	0.8803	0.00	0.0268	0.0268	121.01								\$13,526	\$11,974	\$12,814	0.0000	\$10,870	\$1,944	
47	Feb-11	Mar-11	Sales	720.44	120.00	10,869.87	0.8803	0.00	0.0268	0.0268	111.14								\$12,493	\$10,997	\$11,837	0.0000	\$9,983	\$1,854	
47	Mar-11	Apr-11	Sales	716.10	120.00	26,011.15	0.8803	0.00	0.0268	0.0268	277.87								\$27,554	\$26,059	\$26,059	0.0000	\$22,898	\$3,167	
47	Apr-11	May-11	Sales	720.44	120.00	6,113.52	0.8803	0.00	0.0268	0.0268	214.69								\$7,156	\$5,928	\$6,769	0.0000	\$5,382	\$1,387	
48	Jul-10	Aug-10	Sales	2,202.53	300.00	22,202.53	1.0338	0.00	0.0268	0.0268	369.49								\$30,052	\$28,171	\$28,171	0.0000	\$22,953	\$5,767	
48	Aug-10	Sep-10	Sales	4,868.59	300.00	15,748.10	1.0338	0.00	0.0268	0.0268	890.46								\$32,548	\$30,520	\$30,520	0.0000	\$24,380	\$6,394	
48	Sep-10	Oct-10	Sales	4,868.59	300.00	16,280.39	1.0338	0.00	0.0268	0.0268	796.71								\$29,677	\$27,625	\$27,625	0.0000	\$20,007	\$5,687	
48	Oct-10	Nov-10	Sales	4,868.59	300.00	20,919.23	1.0338	0.00	0.0268	0.0268	848.24								\$26,610	\$24,526	\$24,526	0.0000	\$19,330	\$5,729	
48	Nov-10	Dec-10	Sales	2,558.15	300.00	28,630.50	1.0338	0.00	0.0268	0.0268	1,091.66								\$34,879	\$30,422	\$33,280	0.0000	\$29,598	\$3,682	
48	Dec-10	Jan-11	Sales	2,558.15	300.00	2,120.78	0.8803	0.00	0.0268	0.0268	296.63								\$32,485	\$27,456	\$30,314	0.0000	\$1,867	\$0	
48	Jan-11	Feb-11	Sales	2,558.15	300.00	30,288.03	0.8803	0.00	0.0268	0.0268	1,465.19								\$49,240	\$46,190	\$46,190	0.0000	\$42,052	\$4,138	
48	Feb-11	Mar-11	Sales	2,558.15	300.00	47,769.53	0.8803	0.00	0.0268	0.0268	468.14								\$49,240	\$47,190	\$47,190	0.0000	\$43,332	\$4,252	
48	Mar-11	Apr-11	Sales	2,558.15	300.00	52,023.33	0.8803	0.00	0.0268	0.0268	1,587.79								\$53,561	\$50,049	\$50,049	0.0000	\$45,796	\$4,252	
48	Apr-11	May-11	Sales	2,558.15	300.00	37,284.84	0.8803	0.00	0.0268	0.0268	1,163.01								\$36,539	\$33,821	\$36,679	0.0000	\$32,822	\$3,857	
48	May-11	Jun-11	Sales	2,558.15	300.00	40,616.26	0.8803	0.00	0.0268	0.0268	1,259.22								\$42,482	\$36,843	\$39,701	0.0000	\$35,755	\$3,947	
48	Jun-11	Jul-10	Sales	2,558.15	300.00	27,080.60	0.8803	0.00	0.0268	0.0268	869.99								\$29,617	\$24,565	\$27,423	0.0000	\$23,839	\$3,584	
48	Jul-10	Aug-10	Sales	2,558.15	300.00	21,617.81	0.8803	0.00	0.0268	0.0268	712.33								\$24,226	\$19,610	\$22,468	0.0000	\$19,030	\$3,438	
49	Aug-10	Sep-10	Sales	18.60	18.60	0.00	1.0801	0.00	0.4845	0.00	0.58								\$19	(\$0)	\$19	10.8010	\$0	\$19	
49	Sep-10	Oct-10	Sales	68.71																					

JULY 10 - JUNE 11
FIRM CUSTOMER DETAIL

Assigned #	Month Charges Apply To	Banner Bill Date	Sales or Trans	Demand Charge	cust. Charge	commodity volume (therms)	commodity rate (per therm)	commodity charge	distrib charge	distrib rate	taxes	GET	Efficiency Surcharge	Energy Efficiency	other charges	DAC	total revenue	net revenue for margin	net revenue including demand/customer charge	Gas Cost per Dth	Total Gas Cost	Total Margin	Comments
52	Nov-10	Nov-10	Trans	169.20	60.00	1,273.24	N/A	204.10	0.1603	14.38	19.10	14.38	19.10	14.38	19.10	12.48	\$479	\$204	\$433	0.0000	\$0	\$433	
52	Dec-10	Dec-10	Trans	169.20	60.00	3,756.20	N/A	602.12	0.1603	28.59	56.34	28.59	56.34	28.59	56.34	36.81	\$953	\$602	\$831	0.0000	\$0	\$831	
52	Jan-11	Jan-11	Trans	169.20	60.00	4,546.22	N/A	728.76	0.1603	33.12	68.19	33.12	68.19	33.12	68.19	44.55	\$1,104	\$729	\$958	0.0000	\$0	\$958	
52	Feb-11	Feb-11	Trans	169.20	60.00	2,740.43	N/A	439.29	0.1603	22.78	41.11	22.78	41.11	22.78	41.11	26.86	\$759	\$439	\$668	0.0000	\$0	\$668	
52	Mar-11	Mar-11	Trans	169.20	60.00	3,524.27	N/A	564.94	0.1603	4.48	52.86	4.48	52.86	4.48	52.86	34.54	\$657	\$565	\$665	0.0000	\$0	\$665	(\$439) adj for Feb 11
52	Apr-11	Apr-11	Trans	169.20	60.00	2,041.19	N/A	327.3	0.1603	8.25	3.06	8.25	3.06	8.25	3.06	2.00	\$275	\$262	\$262	0.0000	\$0	\$262	\$565 adj for Feb 11
52	May-11	May-11	Trans	169.20	60.00	3,620.63	N/A	580.39	0.1603	19.57	54.31	19.57	54.31	19.57	54.31	33.48	\$690	\$580	\$690	0.0000	\$0	\$690	(\$330) adj for Mar 11
52	Jun-11	Jun-11	Trans	169.20	60.00	1,781.08	N/A	285.51	0.1603	17.56	26.72	17.56	26.72	17.56	26.72	26.72	\$566	\$286	\$566	0.0000	\$0	\$566	\$580 adj for Mar 11
52	Jul-10	Jul-10	Trans	169.20	60.00	4,215.79	N/A	676	0.1603	7.09	0.00	7.09	0.00	7.09	0.00	0.00	\$236	\$7	\$236	0.0000	\$0	\$236	
53	Aug-10	Aug-10	Trans	349.20	120.00	1,015.79	N/A	166.39	0.1638	19.77	15.24	19.77	15.24	19.77	15.24	0.00	\$236	\$166	\$636	0.0000	\$0	\$636	
53	Sep-10	Sep-10	Trans	349.20	120.00	1,182.82	N/A	193.75	0.1638	20.63	17.74	20.63	17.74	20.63	17.74	(13.72)	\$659	\$194	\$663	0.0000	\$0	\$663	
53	Oct-10	Oct-10	Trans	349.20	120.00	1,110.03	N/A	181.82	0.1638	20.24	16.65	20.24	16.65	20.24	16.65	(22.88)	\$675	\$182	\$661	0.0000	\$0	\$661	
53	Nov-10	Nov-10	Trans	284.40	120.00	1,949.49	N/A	319.33	0.1638	24.59	29.24	24.59	29.24	24.59	29.24	(22.61)	\$820	\$319	\$789	0.0000	\$0	\$789	
53	Dec-10	Dec-10	Trans	284.40	120.00	4,691.89	N/A	766.53	0.1638	39.88	70.38	39.88	70.38	39.88	70.38	45.98	\$1,329	\$769	\$1,173	0.0000	\$0	\$1,173	
53	Jan-11	Jan-11	Trans	284.40	120.00	7,136.85	N/A	1,169.02	0.1638	54.14	107.05	54.14	107.05	54.14	107.05	69.94	\$1,905	\$1,169	\$1,573	0.0000	\$0	\$1,573	
53	Feb-11	Feb-11	Trans	284.40	120.00	7,968.88	N/A	1,304.97	0.1638	58.98	119.50	58.98	119.50	58.98	119.50	78.08	\$1,966	\$1,305	\$1,709	0.0000	\$0	\$1,709	
53	Mar-11	Mar-11	Trans	284.40	120.00	6,731.58	N/A	1,102.63	0.1638	51.77	100.97	51.77	100.97	51.77	100.97	65.97	\$1,726	\$1,103	\$1,507	0.0000	\$0	\$1,507	
53	Apr-11	Apr-11	Trans	284.40	120.00	6,017.50	N/A	985.67	0.1638	47.60	90.26	47.60	90.26	47.60	90.26	58.97	\$986	\$986	\$1,390	0.0000	\$0	\$1,390	
53	May-11	May-11	Trans	284.40	120.00	3,995.25	N/A	654.42	0.1638	36.39	59.93	36.39	59.93	36.39	59.93	57.93	\$1,213	\$654	\$1,059	0.0000	\$0	\$1,059	
53	Jun-11	Jun-11	Trans	284.40	120.00	1,481.37	N/A	242.65	0.1638	21.36	22.22	21.36	22.22	21.36	22.22	21.48	\$712	\$647	\$647	0.0000	\$0	\$647	
56	Jul-10	Jul-10	Sales	352.81	60.00	811.11	N/A	132.86	0.1638	11.76	12.17	11.76	12.17	11.76	12.17	11.76	\$579	\$133	\$537	0.0000	\$0	\$537	
56	Oct-10	Oct-10	Sales	152.88	26.00	1,291.50	1.0801	207.03	0.1603	128.84	55.22	19.37	55.22	19.37	55.22	(14.98)	\$1,969	\$688	\$1,781	0.0000	\$0	\$1,781	(\$537) adj for Jun 10
56	Nov-10	Nov-10	Sales	360.74	60.00	3,440.94	N/A	647.51	0.1603	355.77	152.47	60.59	355.77	60.59	152.47	26.78	\$4,821	\$3,776	\$4,196	0.0000	\$0	\$4,196	
56	Dec-10	Dec-10	Sales	360.75	60.00	4,012.83	N/A	750.47	0.1603	407.27	174.55	70.22	407.27	70.22	31.57	\$5,503	\$4,399	\$4,819	0.0000	\$0	\$4,819		
56	Dec-10	Dec-10	Sales	360.75	60.00	668.81	1.0801	722.38	0.1603	407.27	174.55	70.22	407.27	70.22	31.57	\$5,503	\$4,399	\$4,819	0.0000	\$0	\$4,819		
56	Jan-11	Jan-11	Sales	360.74	60.00	10,213.47	0.9091	1,800.92	0.1603	917.48	393.21	168.52	917.48	168.52	158.29	110.10	\$14,183	\$12,014	\$12,435	0.0000	\$0	\$12,435	
56	Feb-11	Feb-11	Sales	360.74	60.00	9,336.69	0.9091	1,646.32	0.1603	841.33	360.56	154.05	841.33	154.05	190.25	100.65	\$13,051	\$11,404	\$11,404	0.0000	\$0	\$11,404	
56	Mar-11	Mar-11	Sales	360.74	60.00	7,128.11	0.9091	1,256.53	0.1603	649.33	278.29	117.58	649.33	117.58	289.06	76.82	\$10,214	\$8,383	\$8,383	0.0000	\$0	\$8,383	
56	Apr-11	Apr-11	Sales	360.74	60.00	5,017.14	0.9091	804.25	0.1603	427.60	183.25	75.26	427.60	75.26	124.07	63.96	\$6,536	\$5,365	\$5,786	0.0000	\$0	\$5,786	
56	May-11	May-11	Sales	360.74	60.00	842.96	0.9091	135.13	0.1603	97.23	41.67	12.64	97.23	12.64	12.64	12.64	\$901	\$901	\$1,322	0.0000	\$0	\$1,322	
56	Jun-11	Jun-11	Sales	360.74	60.00	276.75	0.9091	44.36	0.1603	30.36	13.02	0.00	30.36	0.00	3.76	0.00	\$464	\$464	\$404	0.0000	\$0	\$404	
57	Sep-10	Sep-10	Sales	1.20	18.60	170.15	1.0801	9.69	0.1603	16.98	2.55	2.55	16.98	2.55	2.55	(3.21)	\$30	\$30	\$30	0.0000	\$0	\$30	
57	Oct-10	Oct-10	Sales	18.60	18.60	164.00	1.0801	30.03	0.2000	16.44	3.25	2.46	30.03	2.46	3.25	(1.90)	\$30	\$30	\$30	0.0000	\$0	\$30	
57	Nov-10	Nov-10	Sales	18.60	18.60	68.78	0.9091	37.00	0.2000	12.06	0.18	1.66	37.00	0.18	1.66	0.18	\$132	\$132	\$132	0.0000	\$0	\$132	
57	Dec-10	Dec-10	Sales	18.60	18.60	42.03	0.9091	6.89	0.2000	85.84	15.47	2.30	6.89	2.30	2.30	2.30	\$52	\$52	\$52	0.0000	\$0	\$52	
57	Jan-11	Jan-11	Sales	18.60	18.60	1,031.13	0.9091	179.23	0.2000	182.01	33.64	33.64	179.23	33.64	33.64	21.98	\$2,361	\$2,104	\$2,104	0.0000	\$0	\$2,104	
57	Feb-11	Feb-11	Sales	18.60	18.60	2,242.84	0.9091	421.57	0.2000	182.01	33.64	33.64	421.57	33.64	33.64	21.98	\$2,361	\$2,104	\$2,104	0.0000	\$0	\$2,104	
57	Mar-11	Mar-11	Sales	18.60	18.60	249.32	0.9091	421.57	0.2000	23.78	3.74	3.74	421.57	3.74	3.74	2.44	\$422	\$422	\$422	0.0000	\$0	\$422	
57	Apr-11	Apr-11	Sales	18.60	18.60	845.42	0.9091	65.41	0.2000	71.43	12.68	12.68	845.42	12.68	12.68	13.02	\$950	\$834	\$853	0.0000	\$0	\$853	
57	May-11	May-11	Sales	18.60	18.60	152.14	0.9091	19.03	0.2000	14.60	2.28	2.28	19.03	2.28	2.28	2.71	\$204	\$166	\$185	0.0000	\$0	\$185	
57	Jun-11	Jun-11	Sales	18.60	18.60	181.96	0.9091	9.69	0.4845	16.25	2.73	2.73	9.69	2.73	2.73	3.24	\$216	\$175	\$194	0.0000	\$0	\$194	
58	Jul-10	Jul-10	Sales	365.19	120.00	425.38	1.0338	38.03	0.0894	29.83	6.38	29.83	6.38	29.83	6.38	(4.93)	\$994	\$478	\$963	0.0000	\$0	\$963	
58	Aug-10	Aug-10	Sales	365.19	120.00	429.48	1.0338	38.40	0.0894	27.96	6.44	27.96	6.44	27.96	6.44	(4.98)	\$1,011	\$482	\$968	0.0000	\$0	\$968	
58	Sep-10	Sep-10	Sales	263.99	120.00	417.18	1.0801	66.33	0.1638	27.96	6.26	27.96	6.26	27.96	6.26	(4.84)	\$932	\$459	\$903	0.0000	\$0	\$903	
58	Oct-10	Oct-10	Sales	263.99	120.00	130.18	1.0801	21.32	0.1638	16.89	1.95	16.89	1.95	16.89	1.95	(1.51)	\$563	\$162	\$546	0.0000	\$0	\$546	
58	Nov-10	Nov-10	Sales	263.99	120.00	365.38	1.0801	36.33	0.1638	16.89	1.95	16.89	1.95	16.89	1.95	(1.51)	\$563	\$162	\$546	0.0000	\$0	\$546	
58	Dec-10	Dec-10	Sales	263.99	120.00	130.18	1.0801	21.32	0.1638	16.89	1.95	16.89	1.95	16.89	1.95	(1.51)	\$563	\$162	\$546	0.0000	\$0	\$546	
58	Jan-11	Jan-11	Sales	263.99	120.00	417.18	1.0801	66.33	0.1638	27.96	6.26	27.96	6.26										

JULY 10 - JUNE 11
FIRM CUSTOMER DETAIL

National Grid
Rhode Island - Gas

Assigned #	Apply To	Month	Banner	Sales or	Demand	Charge	cust.	Charge	Volume	commodity	commodity	commodity	distrib	distrib	rate	taxes	GET	Surcharge	Energy	other	net revenue	net revenue	Gas Cost	Total	Comments	
58	Nov-10	Nov-10	Sales	Trans	Charge	120.00	1,333.99	1,440.84	1,080.1	therm)	rate (per	charge	347.04	0.1638	0.1638	94.94	31.78	Efficiency	Efficiency	charges	margin	margin	per	Gas		
58	Nov-10	Nov-10	Sales	Sales	424.76	120.00	784.70	1,440.84	1,080.1	0.9091	0.9091	713.37	1,502.61	0.1638	0.1638	328.29	137.60	137.60	137.60	713	\$982	\$0	\$713	\$0		
58	Nov-10	Nov-10	Sales	Sales	424.76	120.00	9,173.47	8,339.60	0.9091	0.9091	0.9091	9,173.47	1,502.61	0.1638	0.1638	328.29	137.60	137.60	137.60	713	\$982	\$0	\$713	\$0		
58	Jan-11	Jan-11	Sales	Sales	424.76	120.00	10,685.79	9,714.45	0.9091	0.9091	0.9091	9,714.45	1,502.61	0.1638	0.1638	328.29	137.60	137.60	137.60	713	\$982	\$0	\$713	\$0		
58	Feb-11	Feb-11	Sales	Sales	424.76	120.00	11,843.12	10,766.58	0.9091	0.9091	0.9091	10,766.58	1,502.61	0.1638	0.1638	328.29	137.60	137.60	137.60	713	\$982	\$0	\$713	\$0		
58	Mar-11	Mar-11	Sales	Sales	424.76	120.00	11,706.66	10,642.52	0.9091	0.9091	0.9091	10,642.52	1,502.61	0.1638	0.1638	328.29	137.60	137.60	137.60	713	\$982	\$0	\$713	\$0		
58	Apr-11	Apr-11	Sales	Sales	424.76	120.00	7,831.46	7,119.58	0.9091	0.9091	0.9091	7,119.58	1,282.79	0.1638	0.1638	283.21	117.47	117.47	117.47	8402	\$1,220	\$1,220	\$1,220	\$1,220		
58	May-11	May-11	Sales	Sales	424.76	120.00	1,130.80	1,028.01	0.9091	0.9091	0.9091	1,028.01	185.23	0.1638	0.1638	55.40	16.96	16.96	16.96	1,213	\$1,220	\$1,220	\$1,220	\$1,220		
58	Jun-11	Jun-11	Sales	Sales	424.76	120.00	679.51	617.74	0.9091	0.9091	0.9091	617.74	111.30	0.1638	0.1638	40.02	10.19	10.19	10.19	1,213	\$1,220	\$1,220	\$1,220	\$1,220		
60	Aug-10	Aug-10	Trans	Trans	1,997.34	300.00	10,965.42	N/A			N/A		293.87	0.0268	0.0268	3.91	164.48	164.48	164.48	294	\$2,500	\$2,500	\$2,500	\$2,500		
60	Aug-10	Aug-10	Trans	Trans	1,997.34	300.00	34,170.42	N/A			N/A		915.77	0.0268	0.0268	5.01	512.56	512.56	512.56	294	\$2,500	\$2,500	\$2,500	\$2,500		
60	Sep-10	Sep-10	Trans	Trans	1,997.34	300.00	31,113.82	N/A			N/A		833.85	0.0268	0.0268	4.86	466.71	466.71	466.71	834	\$3,041	\$3,041	\$3,041	\$3,041		
60	Oct-10	Oct-10	Trans	Trans	1,997.34	300.00	27,015.94	N/A			N/A		724.03	0.0268	0.0268	4.68	405.24	405.24	405.24	834	\$3,041	\$3,041	\$3,041	\$3,041		
60	Nov-10	Nov-10	Trans	Trans	1,997.84	300.00	31,614.13	N/A			N/A		809.82	0.0268	0.0268	6.38	474.21	474.21	474.21	847	\$3,345	\$3,345	\$3,345	\$3,345		
60	Dec-10	Dec-10	Trans	Trans	2,197.84	300.00	28,534.08	N/A			N/A		764.71	0.0268	0.0268	6.13	428.01	428.01	428.01	847	\$3,345	\$3,345	\$3,345	\$3,345		
60	Jan-11	Jan-11	Trans	Trans	2,197.84	300.00	21,639.38	N/A			N/A		579.94	0.0268	0.0268	5.59	324.59	324.59	324.59	847	\$3,345	\$3,345	\$3,345	\$3,345		
60	Feb-11	Feb-11	Trans	Trans	2,197.84	300.00	20,008.03	N/A			N/A		536.22	0.0268	0.0268	5.45	300.12	300.12	300.12	847	\$3,345	\$3,345	\$3,345	\$3,345		
60	Mar-11	Mar-11	Trans	Trans	2,197.84	300.00	29,092.21	N/A			N/A		779.67	0.0268	0.0268	6.18	436.38	436.38	436.38	847	\$3,345	\$3,345	\$3,345	\$3,345		
60	Apr-11	Apr-11	Trans	Trans	2,197.84	300.00	19,420.13	N/A			N/A		215.56	0.0268	0.0268	5.44	291.30	291.30	291.30	847	\$3,345	\$3,345	\$3,345	\$3,345		
60	May-11	May-11	Trans	Trans	2,197.84	300.00	29,302.09	N/A			N/A		785.30	0.0268	0.0268	6.25	439.53	439.53	439.53	847	\$3,345	\$3,345	\$3,345	\$3,345		
60	Jun-11	Jun-11	Trans	Trans	2,197.84	300.00	37,178.65	N/A			N/A		995.39	0.0268	0.0268	6.90	557.68	557.68	557.68	847	\$3,345	\$3,345	\$3,345	\$3,345		
61	Jul-10	Jul-10	Trans	Trans	419.42	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	16.68	0.00	0.00	0.00	0.00	556	\$0	\$0	\$0	\$0	
61	Aug-10	Aug-10	Trans	Trans	419.42	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	16.68	0.00	0.00	0.00	0.00	556	\$0	\$0	\$0	\$0	
61	Sep-10	Sep-10	Trans	Trans	419.42	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	16.68	0.00	0.00	0.00	0.00	556	\$0	\$0	\$0	\$0	
61	Oct-10	Oct-10	Trans	Trans	419.42	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	16.68	0.00	0.00	0.00	0.00	556	\$0	\$0	\$0	\$0	
61	Nov-10	Nov-10	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
61	Dec-10	Dec-10	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
61	Jan-11	Jan-11	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
61	Feb-11	Feb-11	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
61	Mar-11	Mar-11	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
61	Apr-11	Apr-11	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
61	May-11	May-11	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
62	Jul-10	Jul-10	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
62	Aug-10	Aug-10	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
62	Sep-10	Sep-10	Trans	Trans	379.57	120.00	0.00	N/A			N/A		0.00	0.1638	0.1638	15.44	0.00	0.00	0.00	0.00	515	\$0	\$0	\$0	\$0	
62	Oct-10	Oct-10	Trans	Trans	500.84	120.00	338.25	N/A			N/A		55.41	0.1638	0.1638	20.96	5.07	5.07	5.07	515	\$0	\$0	\$0	\$0		
62	Nov-10	Nov-10	Trans	Trans	500.84	120.00	6,208.33	N/A			N/A		1,016.92	0.1638	0.1638	48.32	93.12	93.12	93.12	515	\$0	\$0	\$0	\$0		
62	Dec-10	Dec-10	Trans	Trans	304.72	120.00	12,691.70	N/A			N/A		2,118.21	0.1638	0.1638	88.56	193.98	193.98	193.98	515	\$0	\$0	\$0	\$0		
62	Jan-11	Jan-11	Trans	Trans	304.72	120.00	14,869.56	N/A			N/A		2,434.00	0.1638	0.1638	99.80	222.88	222.88	222.88	515	\$0	\$0	\$0	\$0		
62	Feb-11	Feb-11	Trans	Trans	304.72	120.00	12,685.46	N/A			N/A		2,077.88	0.1638	0.1638	87.12	190.28	190.28	190.28	515	\$0	\$0	\$0	\$0		
62	Mar-11	Mar-11	Trans	Trans	304.72	120.00	12,432.04	N/A			N/A		2,036.37	0.1638	0.1638	85.65	186.48	186.48	186.48	515	\$0	\$0	\$0	\$0		
62	Apr-11	Apr-11	Trans	Trans	304.72	120.00	7,450.81	N/A			N/A		1,220.44	0.1638	0.1638	57.39	111.76	111.76	111.76	515	\$0	\$0	\$0	\$0		
62	May-11	May-11	Trans	Trans	304.72	120.00	2,152.63	N/A			N/A		352.60	0.1638	0.1638	26.01	32.29	32.29	32.29	515	\$0	\$0	\$0	\$0		
62	Jun-11	Jun-11	Trans	Trans	304.72	120.00	426.62	N/A			N/A		69.88	0.1638	0.1638	15.68	6.40	6.40	6.40	515	\$0	\$0	\$0	\$0		
																						net revenue including demand/customer charge	\$2,333	\$1,441	\$0	\$892
																						total revenue	\$2,452	\$1,788	\$0	\$982
																						total revenue for margin	\$1,788	\$713	\$0	\$250
																						net revenue margin	\$713	\$9,842	\$0	\$2,047
																						total revenue	\$10,943	\$12,051	\$0	\$2,295
																						total revenue for margin	\$12,051	\$13,251	\$0	\$2,485
																						net revenue including demand/customer charge	\$13,251	\$14,451	\$0	\$2,643
																						total revenue	\$14,451	\$15,651	\$0	\$2,843
																						total revenue for margin	\$15,651	\$16,851	\$0	\$3,043
																						net revenue margin	\$16,851	\$18,051	\$0	\$3,243
																						total revenue	\$18,051	\$19,251	\$0	\$3,443
																						total revenue for margin	\$19,251	\$20,451	\$0	\$3,643
																						net revenue including demand/customer charge	\$20,451	\$21,651	\$0	\$3,843
																						total revenue	\$21,651	\$22,851	\$0	\$4,043
																						total revenue for margin	\$22,851	\$24,051	\$0	\$4,243
																						net revenue including demand/customer charge	\$24,05			

	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Total Jul 10-Jun 11
	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	actual	-----
Non-firm (dth)													
sub-total	268,579	245,304	170,625	221,713	253,901	241,883	150,791	179,113	247,005	201,967	146,652	157,077	2,484,612
Non-firm Revenue													
sub-total	\$241,896	\$250,542	\$242,269	\$382,893	\$497,813	\$503,601	\$380,921	\$415,578	\$480,383	\$391,579	\$186,709	\$212,532	4,186,716
less GET *	\$215,140	\$223,182	\$213,763	\$342,623	\$450,657	\$458,313	\$347,856	\$379,203	\$432,321	\$352,424	\$162,126	\$187,671	3,765,280
Total Gas Costs													
Non-firm Margin	\$96,299	\$104,623	\$101,294	\$180,562	\$280,704	\$295,866	\$241,923	\$254,533	\$260,510	\$209,593	\$60,580	\$84,758	2,171,244
	\$118,841	\$118,559	\$112,469	\$162,062	\$169,953	\$162,447	\$105,933	\$124,670	\$171,810	\$142,832	\$101,547	\$102,913	1,594,036

* excludes taxes, GET, EES, and other charges such as interests.

NATIONAL GRID
Rhode Island - Gas

JULY 10 - JUNE 11
NON-FIRM CUSTOMER DETAIL

Assignm #	Alt Fuel Type	Month Charges Apply To	Month	Banner	Firm/ Nonfirm	Sales or Trans	cus't Charge(2)	volume (therms) (3)	commodity rate (per therm) (5)	commodit charge (d/ therm) (5)	distib rate(7)	taxes (8)	G&T (9)	Energy Surcharge	other charges	total revenue	net revenue for margin	net revenue for including cust. service charges	Gas Cost per Dh	Total Gas Cost	Total Margin	Margin for customer level calc	Comment
3	6	Aug-10	Aug-10 N		Trans	4885	10789.44	N/A	827.24	0.0766	2.28	161.98	2.28	161.98	\$1,477	\$827	\$1,312	6.0857	\$0	\$1,312	\$827	0.77	
3	6	Aug-10	Aug-10 N		Trans	4885	10865.53	N/A	853.83	0.0766	2.29	168.26	2.29	168.26	\$1,484	\$854	\$1,319	6.0959	\$0	\$1,319	\$854	0.77	
3	6	Sep-10	Aug-10 N		Trans	4885	16899.76	N/A	1,289.33	0.0766	3.13	252.69	3.13	252.69	\$2,037	\$1,290	\$1,727	4.6963	\$0	\$1,727	\$1,290	0.77	
3	6	Nov-10	Nov-10 N		Trans	4885	27,804.61	N/A	2,129.83	0.0766	4.68	417.07	4.68	417.07	\$3,037	\$2,130	\$2,615	4.5034	\$0	\$2,615	\$2,130	0.77	
3	6	Dec-10	Dec-10 N		Trans	4885	31,376.12	N/A	2,403.41	0.0766	5.20	470.64	5.20	470.64	\$3,364	\$2,403	\$2,888	4.4807	\$0	\$2,888	\$2,403	0.77	
3	6	Jan-11	Jan-11 N		Trans	4885	25,583.31	N/A	1,959.68	0.0766	4.37	383.75	4.37	383.75	\$2,833	\$1,960	\$2,445	4.2474	\$0	\$2,445	\$1,960	0.77	
3	6	Feb-11	Feb-11 N		Trans	4885	30,412.71	N/A	2,329.61	0.0766	5.06	466.09	5.06	466.09	\$3,276	\$2,330	\$2,815	4.2633	\$0	\$2,815	\$2,330	0.77	
3	6	Mar-11	Mar-11 N		Trans	4885	37,335.11	N/A	2,859.87	0.0766	6.04	560.03	6.04	560.03	\$3,911	\$2,860	\$3,345	5.2469	\$0	\$3,345	\$2,860	0.77	
3	6	Apr-11	Apr-11 N		Trans	4885	22,287.24	N/A	1,705.67	0.0766	3.91	334.01	3.91	334.01	\$2,529	\$1,706	\$2,191	4.1822	\$0	\$2,191	\$1,706	0.77	
3	6	May-11	May-11 N		Trans	4885	11,959.74	N/A	916.12	0.0766	2.45	179.40	2.45	179.40	\$1,583	\$1,401	\$1,635	5.2730	\$0	\$1,635	\$1,401	0.77	
3	6	Jun-11	Jun-11 N		Trans	4885	15,087.38	N/A	1,154.16	0.0766	2.88	226.28	2.88	226.28	\$1,868	\$1,154	\$1,639	4.6857	\$0	\$1,639	\$1,154	0.77	
5	6	Jul-10	Jul-10 N		Trans	4885	87,085.04	N/A	5,364.44	0.0766	22.31	1,306.28	22.31	1,306.28	\$9,408	\$5,364	\$6,168	5.6569	\$0	\$6,168	\$5,364	0.62	
5	6	Aug-10	Aug-10 N		Trans	4885	100,135.32	N/A	6,168.34	0.0766	25.22	1,502.03	25.22	1,502.03	\$9,408	\$5,364	\$6,168	5.6569	\$0	\$6,168	\$5,364	0.62	
5	6	Sep-10	Sep-10 N		Trans	4885	84,862.34	N/A	5,178.24	0.0766	21.15	1,260.94	21.15	1,260.94	\$7,738	\$5,178	\$5,663	5.1300	\$0	\$5,663	\$5,178	0.62	
5	6	Oct-10	Oct-10 N		Trans	4885	96,199.34	N/A	5,925.88	0.0766	24.90	1,442.99	24.90	1,442.99	\$9,097	\$5,926	\$6,411	4.8963	\$0	\$6,411	\$5,926	0.62	
5	6	Nov-10	Nov-10 N		Trans	4885	84,486.99	N/A	5,204.40	0.0766	21.90	1,360.75	21.90	1,360.75	\$8,157	\$5,204	\$5,689	4.5044	\$0	\$5,689	\$5,204	0.62	
5	6	Dec-10	Dec-10 N		Trans	4885	55,716.96	N/A	3,516.96	0.0766	15.40	880.75	15.40	880.75	\$6,137	\$3,517	\$4,102	4.4607	\$0	\$4,102	\$3,517	0.62	
5	6	Jan-11	Jan-11 N		Trans	4885	21,688.64	N/A	1,403.08	0.0766	8.42	517.55	8.42	517.55	\$2,795	\$1,403	\$1,789	4.5333	\$0	\$1,789	\$1,403	0.62	
5	6	Feb-11	Feb-11 N		Trans	4885	67,020.37	N/A	4,298.45	0.0766	17.37	1,085.31	17.37	1,085.31	\$6,793	\$4,298	\$4,882	4.5463	\$0	\$4,882	\$4,298	0.62	
5	6	Mar-11	Mar-11 N		Trans	4885	71,123.37	N/A	4,381.20	0.0766	18.50	1,098.85	18.50	1,098.85	\$6,117	\$4,381	\$4,866	4.5463	\$0	\$4,866	\$4,381	0.62	
5	6	Apr-11	Apr-11 N		Trans	4885	66,224.24	N/A	4,202.61	0.0766	17.63	1,023.36	17.63	1,023.36	\$5,888	\$4,203	\$4,688	4.5463	\$0	\$4,688	\$4,203	0.62	
5	6	May-11	May-11 N		Trans	4885	70,068.49	N/A	4,316.22	0.0766	18.10	1,051.03	18.10	1,051.03	\$6,033	\$4,316	\$4,801	4.5463	\$0	\$4,801	\$4,316	0.62	
5	6	Jun-11	Jun-11 N		Trans	4885	12,849.40	N/A	791.52	0.0766	192.74	192.74	192.74	\$1,469	\$792	\$1,277	6.0857	\$0	\$1,277	\$792	0.62		
6	6	Aug-10	Aug-10 N		Trans	4885	20,666.04	N/A	1,273.03	0.0766	309.99	309.99	309.99	\$2,068	\$1,273	\$1,758	5.5659	\$0	\$1,758	\$1,273	0.62		
6	6	Sep-10	Sep-10 N		Trans	4885	22,449.56	N/A	1,382.89	0.0766	336.74	336.74	336.74	\$2,205	\$1,383	\$1,868	4.1300	\$0	\$1,868	\$1,383	0.62		
6	6	Oct-10	Oct-10 N		Trans	4885	22,991.75	N/A	1,416.29	0.0766	344.88	344.88	344.88	\$2,246	\$1,416	\$1,901	4.8963	\$0	\$1,901	\$1,416	0.62		
6	6	Nov-10	Nov-10 N		Trans	4885	33,164.45	N/A	2,042.93	0.0766	497.47	497.47	497.47	\$3,025	\$2,043	\$2,528	4.5034	\$0	\$2,528	\$2,043	0.62		
6	6	Dec-10	Dec-10 N		Trans	4885	4,114.24	N/A	253.44	0.0766	61.71	38.83	61.71	38.83	\$800	\$253	\$738	6.4807	\$0	\$738	\$253	0.62	
6	6	Jan-11	Jan-11 N		Trans	4885	0.00	N/A	0.00	0.0766	0.00	0.00	0.00	\$485	\$0	\$485	9.2474	\$0	\$485	\$0	0.62		
6	6	Feb-11	Feb-11 N		Trans	4885	181.60	N/A	11.19	0.0766	2.72	1.60	2.72	\$11	\$0	\$485	8.2633	\$0	\$485	\$0	0.62		
6	6	Mar-11	Mar-11 N		Trans	4885	17,180.39	N/A	1,058.31	0.0766	257.71	257.71	257.71	\$1,681	\$1,058	\$1,649	5.2469	\$0	\$1,649	\$1,058	0.62		
6	6	Apr-11	Apr-11 N		Trans	4885	32,822.00	N/A	2,021.94	0.0766	492.33	492.33	492.33	\$2,022	\$2,022	\$2,507	6.1635	\$0	\$2,507	\$2,022	0.62		
6	6	May-11	May-11 N		Trans	4885	29,851.91	N/A	1,874.44	0.0766	476.76	476.76	476.76	\$2,481	\$1,874	\$2,366	5.5659	\$0	\$2,366	\$1,874	0.62		
6	6	Jun-11	Jun-11 N		Trans	4885	793,581.25	N/A	48,981.00	0.0766	72.36	72.36	72.36	\$63,471	\$48,981	\$49,566	6.0857	\$0	\$49,566	\$48,981	0.62		
6	6	Aug-10	Aug-10 N		Trans	4885	793,581.25	N/A	48,981.00	0.0766	1,902.02	1,902.02	1,902.02	\$1,899.79	\$48,981	\$49,566	6.0857	\$0	\$49,566	\$48,981	0.62		
6	6	Sep-10	Sep-10 N		Trans	4885	799,920.25	N/A	49,275.00	0.0766	1,899.79	1,899.79	1,899.79	\$1,899.79	\$49,275	\$49,990	5.1300	\$0	\$49,990	\$49,275	0.62		
6	6	Oct-10	Oct-10 N		Trans	4885	764,352.75	N/A	47,084.13	0.0766	1,917.18	1,917.18	1,917.18	\$1,917.18	\$47,084	\$47,799	4.8963	\$0	\$47,799	\$47,084	0.62		
6	6	Nov-10	Nov-10 N		Trans	4885	729,855.36	N/A	44,959.09	0.0766	1,832.92	1,832.92	1,832.92	\$1,832.92	\$44,959	\$45,674	4.5034	\$0	\$45,674	\$44,959	0.62		
6	6	Dec-10	Dec-10 N		Trans	4885	715,460.58	N/A	40,773.91	0.0766	1,751.91	1,751.91	1,751.91	\$1,751.91	\$40,774	\$41,489	4.5034	\$0	\$41,489	\$40,774	0.62		
6	6	Jan-11	Jan-11 N		Trans	4885	446,392.08	N/A	27,497.75	0.0766	1,177.08	1,177.08	1,177.08	\$1,177.08	\$23.64	\$44,787	4.4077	\$0	\$44,787	\$44,077	0.62		
6	6	Feb-11	Feb-11 N		Trans	4885	539,655.48	N/A	33,242.78	0.0766	6,696.88	34.67	6,696.88	\$2,323	\$33,243	\$33,958	4.2633	\$0	\$33,958	\$33,243	0.62		
6	6	Mar-11	Mar-11 N		Trans	4885	640,706.22	N/A	39,484.70	0.0766	1,300.60	8,094.83	34.96	8,094.83	\$43,368	\$33,243	\$34,581	5.2469	\$0	\$34,581	\$33,243	0.62	
6	6	Apr-11	Apr-11 N		Trans	4885	727,998.30	N/A	44,844.70	0.0766	1,746.79	10,919.97	484.81	10,919.97	\$51,369	\$44,845	\$46,560	5.2469	\$0	\$46,560	\$44,845	0.62	
6	6	May-11	May-11 N		Trans	4885	610,745.08	N/A	37,621.90	0.0766	1,539.98	9,610.59	38.83	9,610.59	\$49,009	\$37,622	\$38,337	5.1635	\$0	\$38,337	\$37,622	0.62	
6	6	Jun-11	Jun-11 N		Trans	4885	681,779.88	N/A	41,897.60	0.0766	1,469.01	11,611.18	41.89	11,611.18	\$54,619	\$41,898	\$42,713	5.2730	\$0	\$42,713	\$41,898	0.62	
9	LPG	Aug-10	Aug-10 N		Trans	4885	14,328.48	N/A	892.63	0.0766	1,637.29	214.93	1,637.29	\$983	\$893	\$1,368	6.0857	\$0	\$1,368	\$893	0.62		
9	LPG	Sep-10	Sep-10 N		Trans	4885	17,406.55	N/A	1,072.24	0.0766	261.10	261.10	261.10	\$1,072	\$1,072	\$1,557	5.5659	\$0	\$1,557	\$1,072	0.62		
9	LPG	Sep-10	Sep-10 N		Trans	4885	18,888.71	N/A	1,163.54	0.0766	283.33	283.33	283.33	\$1,164	\$1,164	\$1,649	5.1300	\$0	\$1,649	\$1,164	0.62		
9	LPG	Oct-10	Oct-10 N		Trans	4885	13,083.14	N/A	2,163.54	0.0766	5.92	322.74	5.92	322.74	\$2,164	\$2,164	\$2,649	5.1					

JULY 10 - JUNE 11
NON-FIRM CUSTOMER DETAIL

21	National Grid Rhode Island - Gas	Month	Category	Customer	Usage	Rate	Gross	Net	Taxes	Surcharges	Total	Credits	Balance	Comments	Meters	Devices	Error	Remarks
21	6	May-11	Sales	6405	1,154.72	934.25	\$36,491	\$35,970	\$32,160	\$3,811	\$32,160	\$3,811	\$36,491	6405	#DIV/0!		0.62	\$3,837
21	6	June-11	Sales	\$405	1,029.64	816.86	\$34,321	\$33,997	\$28,115	\$5,882	\$28,115	\$5,882	\$34,321	\$405	#DIV/0!		0.62	\$3,760
24	6	Aug-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Sep-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Oct-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Nov-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Dec-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Jan-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Feb-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Mar-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Apr-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	May-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Jun-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
24	6	Jul-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
25	6	Aug-10	Trans	\$485	89.96	474.61	\$3,042	\$3,042	\$2,125	\$817	\$2,125	\$817	\$3,042	\$485	#DIV/0!		0.62	\$1,949
25	6	Sep-10	Trans	\$485	96.75	517.57	\$3,257	\$3,257	\$2,408	\$849	\$2,408	\$849	\$3,257	\$485	#DIV/0!		0.62	\$2,434
25	6	Oct-10	Trans	\$485	101.31	546.47	\$3,408	\$3,408	\$2,564	\$844	\$2,564	\$844	\$3,408	\$485	#DIV/0!		0.62	\$2,244
25	6	Nov-10	Trans	\$485	122.81	682.64	\$4,165	\$4,165	\$2,803	\$1,362	\$2,803	\$1,362	\$4,165	\$485	#DIV/0!		0.62	\$3,288
25	6	Dec-10	Trans	\$485	137.45	775.30	\$4,695	\$4,695	\$3,184	\$1,511	\$3,184	\$1,511	\$4,695	\$485	#DIV/0!		0.62	\$3,669
25	6	Jan-11	Trans	\$485	152.61	871.29	\$5,240	\$5,240	\$3,458	\$1,782	\$3,458	\$1,782	\$5,240	\$485	#DIV/0!		0.62	\$4,063
25	6	Feb-11	Trans	\$485	171.30	1,038.94	\$6,087	\$6,087	\$4,007	\$2,080	\$4,007	\$2,080	\$6,087	\$485	#DIV/0!		0.62	\$4,578
25	6	Mar-11	Trans	\$485	188.56	1,159.74	\$6,854	\$6,854	\$4,468	\$2,386	\$4,468	\$2,386	\$6,854	\$485	#DIV/0!		0.62	\$5,249
25	6	Apr-11	Trans	\$485	206.86	1,309.07	\$7,812	\$7,812	\$5,055	\$2,757	\$5,055	\$2,757	\$7,812	\$485	#DIV/0!		0.62	\$6,000
25	6	May-11	Trans	\$485	225.11	1,486.89	\$8,723	\$8,723	\$5,565	\$3,158	\$5,565	\$3,158	\$8,723	\$485	#DIV/0!		0.62	\$6,858
27	6	Aug-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
27	6	Sep-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
27	6	Oct-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
27	6	Nov-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
27	6	Dec-10	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
27	6	Jan-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
27	6	Feb-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
27	6	Mar-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
27	6	Apr-11	Trans	\$715	22.11	0.00	\$818	\$0	\$0	\$0	\$0	\$0	\$818	\$715	#DIV/0!		0.62	\$0
28	6	Aug-10	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Sep-10	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Oct-10	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Nov-10	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Dec-10	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Jan-11	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Feb-11	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Mar-11	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Apr-11	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	May-11	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Jun-11	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Jul-11	Sales	\$625	14,800.92	9.58	\$18,737	\$18,737	\$14,601	\$4,136	\$14,601	\$4,136	\$18,737	\$625	#DIV/0!		0.77	\$49
28	6	Aug-10	Sales	\$625	1,006.37	41,475	\$42,107	\$42,107	\$37,942	\$4,165	\$37,942	\$4,165	\$42,107	\$625	#DIV/0!		0.62	\$4,758
28	6	Sep-10	Sales	\$625	1,158.32	44,371	\$48,966	\$48,966	\$43,004	\$5,962	\$43,004	\$5,962	\$48,966	\$625	#DIV/0!		0.62	\$4,757
28	6	Oct-10	Sales	\$625	1,345.00	49,427	\$51,397	\$51,397	\$44,942	\$6,455	\$44,942	\$6,455	\$51,397	\$625	#DIV/0!		0.62	\$4,757
28	6	Nov-10	Sales	\$625	1,450.73	53,781	\$57,976	\$57,976	\$50,523	\$7,453	\$50,523	\$7,453	\$57,976	\$625	#DIV/0!		0.62	\$4,757
28	6	Dec-10	Sales	\$625	1,684.25	64,468	\$69,682	\$69,682	\$60,599	\$9,083	\$60,599	\$9,083	\$69,682	\$625	#DIV/0!		0.62	\$4,757
28	6	Jan-11	Sales	\$625	1,854.25	71,000	\$78,295	\$78,295	\$67,833	\$10,462	\$67,833	\$10,462	\$78,295	\$625	#DIV/0!		0.62	\$4,757
28	6	Feb-11	Sales	\$625	2,000.00	76,225	\$83,250	\$83,250	\$71,400	\$11,850	\$71,400	\$11,850	\$83,250	\$625	#DIV/0!		0.62	\$4,757
28	6	Mar-11	Sales	\$625	2,211.00	83,510	\$91,721	\$91,721	\$78,950	\$12,771	\$78,950	\$12,771	\$91,721	\$625	#DIV/0!		0.62	\$4,757
28	6	Apr-11	Sales	\$625	2,392.00	90,000	\$99,200	\$99,200	\$85,500	\$13,700	\$85,500	\$13,700	\$99,200	\$625	#DIV/0!		0.62	\$4,757
28	6	May-11	Sales	\$625	2,598.00	98,100	\$107,100	\$107,100	\$92,000	\$15,100	\$92,000	\$15,100	\$107,100	\$625	#DIV/0!		0.62	\$4,757
28	6	Jun-11	Sales	\$625	2,820.00	107,000	\$117,000	\$117,000	\$100,000	\$17,000	\$100,000	\$17,000	\$117,000	\$625	#DIV/0!		0.62	\$4,757
28	6	Jul-11	Sales	\$625	3,050.00	117,000	\$127,500	\$127,500	\$108,000	\$19,500	\$108,000	\$19,500	\$127,500	\$625	#DIV/0!		0.62	\$4,757
28	6	Aug-10	Sales	\$625	3,290.00	128,000	\$139,000	\$139,000	\$118,000	\$21,000	\$118,000	\$21,000	\$139,000	\$625	#DIV/0!		0.62	\$4,757
28	6	Sep-10	Sales	\$625	3,540.00	140,000	\$151,000	\$151,000	\$128,000	\$23,000	\$128,000	\$23,000	\$151,000	\$625	#DIV/0!		0.62	\$4,757
28	6	Oct-10	Sales	\$625	3,800.00	153,000	\$164,500	\$164,500	\$140,000	\$24,500	\$140,000	\$24,500	\$164,500	\$625	#DIV/0!		0.62	\$4,757
28	6	Nov-10	Sales	\$625	4,070.00	167,000	\$179,000	\$179,000	\$150,000	\$29,000	\$150,000	\$29,000	\$179,000	\$625	#DIV/0!		0.62	\$4,757
28	6	Dec-10	Sales	\$625	4,350.00	182,000	\$194,500	\$194,500	\$162,000	\$32,500	\$162,000	\$32,500	\$194,500	\$625	#DIV/0!		0.62	\$4,757
28	6	Jan-11	Sales	\$625	4,640.00	198,000	\$211,500	\$211,500	\$176,000	\$35,500	\$176,000	\$35,500	\$211,500	\$625	#DIV/0!		0.62	\$4,757
28	6	Feb-11	Sales	\$625	4,940.00	215,000	\$230,000	\$230,000	\$190,000	\$40,000	\$190,000	\$40,000	\$230,000	\$625	#DIV/0!			

JULY 10 - JUNE 11
NON-FIRM CUSTOMER DETAIL

National Grid
Rhode Island - Gas

38	6	Nov-10	Nov-10	Trans	\$715	105,454.33	N/A	8,077.80	0.0766	320.86	1,561.81	\$8,078	4,5034	\$8,793	\$0	\$0	\$8,793	0.77	#DIV/0!
38	6	Dec-10	Dec-10	Trans	\$715	119,022.16	N/A	9,117.10	0.0766	359.30	1,785.33	\$9,117	6,4807	\$9,832	\$0	\$0	\$9,832	0.77	#DIV/0!
38	6	Jan-11	Jan-11	Trans	\$715	76,010.87	N/A	5,975.63	0.0766	243.11	1,170.16	\$5,976	9,2474	\$6,891	\$0	\$0	\$6,891	0.77	#DIV/0!
38	6	Feb-11	Feb-11	Trans	\$715	97,748.03	N/A	7,487.50	0.0766	299.03	1,486.22	\$7,488	8,2633	\$8,203	\$0	\$0	\$8,203	0.77	#DIV/0!
38	6	Mar-11	Mar-11	Trans	\$715	11,9229.43	N/A	9,132.97	0.0766	359.88	1,788.44	\$9,133	5,2469	\$6,848	\$0	\$0	\$6,848	0.77	#DIV/0!
38	6	Apr-11	Apr-11	Trans	\$715	76,677.09	N/A	5,823.47	0.0766	238.33	1,150.16	\$5,823	5,1635	\$6,588	\$0	\$0	\$6,588	0.77	#DIV/0!
38	6	May-11	May-11	Trans	\$715	51,260.20	N/A	3,920.53	0.0766	167.33	768.90	\$3,921	5,1635	\$4,642	\$0	\$0	\$4,642	0.77	#DIV/0!
38	6	Jun-11	Jun-11	Trans	\$715	19,981.52	N/A	1,300.76	0.0766	57.22	301.30	\$1,301	2,2730	\$2,016	\$0	\$0	\$2,016	0.77	#DIV/0!
40	4	Aug-10	Aug-10	Sales	\$185	3,810.95	1776.62	1,300.76	0.0766	71.22	301.30	\$1,301	2,2730	\$2,016	\$0	\$0	\$2,016	0.77	#DIV/0!
45	4	Aug-10	Aug-10	Sales	\$185	3,810.95	2121.14	732.85	0.1923	95.76	57.16	\$3,192	5,6569	\$3,024	\$1,737	\$1,737	\$3,024	1.92	#DIV/0!
45	4	Sep-10	Sep-10	Sales	\$185	4,450.52	2283.14	855.83	0.1923	104.86	66.76	\$3,496	5,3324	\$3,324	\$2,283	\$2,283	\$3,324	1.92	#DIV/0!
45	4	Oct-10	Oct-10	Sales	\$185	5,318.71	2604.20	1,022.79	0.1923	120.36	79.78	\$4,012	5,3324	\$3,812	\$4,893	\$4,893	\$4,012	1.92	#DIV/0!
45	4	Nov-10	Nov-10	Sales	\$185	7,105.06	3681.98	1,366.30	0.1923	165.16	106.58	\$5,505	5,3324	\$5,233	\$3,682	\$3,682	\$5,505	1.92	#DIV/0!
45	4	Dec-10	Dec-10	Sales	\$185	5,261.32	2716.68	1,011.75	0.1923	123.47	78.92	\$3,729	5,3324	\$3,913	\$5,1635	\$5,1635	\$3,729	1.92	#DIV/0!
45	4	Jan-11	Jan-11	Sales	\$405	1,215.10	640.72	0.00	0.1923	48.84	56.84	\$1,020	5,2730	\$914	\$2,717	\$2,717	\$1,020	0.00	#DIV/0!
45	4	Feb-11	Feb-11	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$641	5,2730	\$641	\$0	\$0	\$641	0.00	#DIV/0!
54	6	Aug-10	Aug-10	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	5,6569	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	Sep-10	Sep-10	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	5,1300	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	Oct-10	Oct-10	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	4,8963	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	Nov-10	Nov-10	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	4,5034	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	Dec-10	Dec-10	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	6,4807	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	Jan-11	Jan-11	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	9,2474	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	Feb-11	Feb-11	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	8,2633	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	Mar-11	Mar-11	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	5,1635	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	Apr-11	Apr-11	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	5,1635	\$405	\$405	\$405	\$405	0.62	#DIV/0!
54	6	May-11	May-11	Sales	\$405	0.00	0.00	0.00	0.1923	0.63	0.00	\$405	5,2730	\$405	\$405	\$405	\$405	0.62	#DIV/0!
55	6	Jul-10	Jul-10	Trans	\$715	14,957.80	N/A	921.40	0.0616	2.88	224.37	\$921	1,636	\$1,636	\$0	\$0	\$1,636	0.62	#DIV/0!
55	6	Aug-10	Aug-10	Trans	\$715	16,126.33	N/A	993.38	0.0616	3.02	241.89	\$993	1,708	\$1,708	\$0	\$0	\$1,708	0.62	#DIV/0!
55	6	Sep-10	Sep-10	Trans	\$715	26,800.70	N/A	1,650.92	0.0616	4.28	402.01	\$1,651	\$2,366	\$2,366	\$0	\$0	\$2,366	0.62	#DIV/0!
55	6	Oct-10	Oct-10	Trans	\$715	27,230.15	N/A	1,677.38	0.0616	4.33	408.45	\$1,677	\$2,392	\$2,392	\$0	\$0	\$2,392	0.62	#DIV/0!
55	6	Nov-10	Nov-10	Trans	\$715	20,043.94	N/A	1,234.71	0.0616	3.48	300.66	\$1,235	\$1,950	\$1,950	\$0	\$0	\$1,950	0.62	#DIV/0!
55	6	Dec-10	Dec-10	Trans	\$715	15,848.64	N/A	976.28	0.0616	2.99	237.73	\$976	\$1,691	\$1,691	\$0	\$0	\$1,691	0.62	#DIV/0!
55	6	Jan-11	Jan-11	Trans	\$715	14,387.06	N/A	885.01	0.0616	2.81	215.51	\$885	\$1,600	\$1,600	\$0	\$0	\$1,600	0.62	#DIV/0!
55	6	Feb-11	Feb-11	Trans	\$715	27,823.06	N/A	1,713.90	0.0616	4.41	417.35	\$1,714	\$2,429	\$2,429	\$0	\$0	\$2,429	0.62	#DIV/0!
55	6	Mar-11	Mar-11	Trans	\$715	30,600.43	N/A	1,884.99	0.0616	4.73	459.01	\$1,885	\$2,600	\$2,600	\$0	\$0	\$2,600	0.62	#DIV/0!
55	6	Apr-11	Apr-11	Trans	\$715	27,303.92	N/A	1,681.92	0.0616	4.34	409.56	\$1,682	\$2,397	\$2,397	\$0	\$0	\$2,397	0.62	#DIV/0!
55	6	May-11	May-11	Trans	\$715	11,665.74	N/A	718.61	0.0616	2.49	174.99	\$719	\$1,434	\$1,434	\$0	\$0	\$1,434	0.62	#DIV/0!
55	6	Jun-11	Jun-11	Trans	\$715	1,206,721.00	N/A	11,797.12	0.0098	2.83	217.98	\$11,797	6,0657	\$11,797	\$0	\$0	\$11,797	0.10	#DIV/0!
67	6	Aug-10	Aug-10	Trans	\$715	583,593.25	N/A	9,125.95	0.0098	2.83	217.98	\$9,126	\$1,626	\$1,626	\$0	\$0	\$1,626	0.10	#DIV/0!
67	6	Sep-10	Sep-10	Trans	\$715	166,593.25	N/A	1,625.95	0.0098	0.80	60.98	\$1,626	\$1,626	\$1,626	\$0	\$0	\$1,626	0.10	#DIV/0!
67	6	Oct-10	Oct-10	Trans	\$715	203,784.12	N/A	1,986.90	0.0098	0.80	60.98	\$1,987	\$1,987	\$1,987	\$0	\$0	\$1,987	0.10	#DIV/0!
67	6	Nov-10	Nov-10	Trans	\$715	229,680.36	N/A	2,239.38	0.0098	0.80	60.98	\$2,239	\$2,239	\$2,239	\$0	\$0	\$2,239	0.10	#DIV/0!
67	6	Dec-10	Dec-10	Trans	\$715	154,351.44	N/A	1,504.93	0.0098	0.80	60.98	\$1,505	\$1,505	\$1,505	\$0	\$0	\$1,505	0.10	#DIV/0!
67	6	Jan-11	Jan-11	Trans	\$715	163,534.14	N/A	1,594.46	0.0098	0.80	60.98	\$1,594	\$1,594	\$1,594	\$0	\$0	\$1,594	0.10	#DIV/0!
67	6	Feb-11	Feb-11	Trans	\$715	152,278.92	N/A	1,484.72	0.0098	0.80	60.98	\$1,485	\$1,485	\$1,485	\$0	\$0	\$1,485	0.10	#DIV/0!
67	6	Mar-11	Mar-11	Trans	\$715	101,788.94	N/A	992.25	0.0098	0.80	60.98	\$992	\$992	\$992	\$0	\$0	\$992	0.10	#DIV/0!
67	6	Apr-11	Apr-11	Trans	\$715	103,149.52	N/A	1,003.64	0.0098	0.80	60.98	\$1,004	\$1,004	\$1,004	\$0	\$0	\$1,004	0.10	#DIV/0!
67	6	May-11	May-11	Trans	\$715	164,778.12	N/A	1,603.29	0.0097	0.80	60.98	\$1,603	\$1,603	\$1,603	\$0	\$0	\$1,603	0.10	#DIV/0!

\$1,594,036

WEATHER NORMALIZATION FACTOR

Worksheet for Weather Normalization Clause

Tariff: RIPUC NEGC No. 101, Section 3, Schedule A, Sheet 7, Second Revision Weather Normalization:

The Company shall compare actual heating degree days ("DD") to normal heating degree days at the end of each peak season (November through April). For each DD greater than 4,865 (2% colder than normal), the Company shall credit the Weather Normalization Account an amount equal to \$9,000 per DD. For each DD less than 4,675 (2% warmer than normal), the Company shall debit the Weather Normalization Account at \$9,000 per DD.

Calculation of Winter Season 2010-2011 Weather Normalization

	<u>Heating Degree</u>		
	<u>Days</u>	Normal	Difference
Nov-10	602 actual	591	11
Dec-10	1,043 actual	920	123
Jan-11	1,195 actual	1,072	123
Feb-11	982 actual	912	70
Mar-11	806 actual	800	6
* Apr-11	0	0	0
TOTAL	4,628	4,295	333
Degree Day Threshold (2% colder than normal)	4,381	2%	
Degree Days below colder Threshold	247		333
Mitigation \$ per Degree Day	\$9,000		
Weather Mitigation	\$2,223,000 to be credited to customers		
Annual Dt Nov 11 - Oct 12	36,155,589		
Weather Normalization Factor (\$/Dt)	(\$0.0615)		
Weather Normalization Factor (\$/therm)	(\$0.0061)		

Distribution Adjustment Charge Reconciliation Factor
(\$ per Therm)

Line No.	Description	reference	Ending Balance
1	AGT Factor - Base Rates	page 2	(\$7,412)
2	LIAP Factor - Base Rates	page 2	(\$49,121)
3	Environmental - Base Rates	page 2	(\$35,746)
4	System Pressure	page 3	\$52,484
5	AGT-DAC	Page 3	(\$41,055)
6	Environmental - DAC	page 3	\$61,212
7	On-System Margin Credits	page 3	\$82,219
8	Weather Normalization	page 3	(\$337,471)
9	Previous Reconciliation Factor	pages 3 and 4	\$110,798
10	CXT-Revenue Requirement	page 3	\$270,219
11	Pension	page 3	(\$270,464)
12	PBOP	page 3	(\$83,902)
13	Total	sum ([1]:[12])	(\$248,239)
14	Firm Thru-put	Nov 2011 - Oct 2012	36,155,589 dth
15	Reconciliation Factor	[13] / [14]	(\$0.0069) per dth
16	Reconciliation Factor	[15] / 10	(\$0.0007) per therm

Based on ending balance
June 30, 2011

Based on Nov 10 - Oct 11

Distribution Adjustment Charge Reconciliation Factor

source	Base Rate / Fiscal Year Reconciling Components												12-mth end Jun 10
	Jul-10 31 actual	Aug-10 31 actual	Sep-10 30 actual	Oct-10 31 actual	Nov-10 30 actual	Dec-10 31 actual	Jan-11 31 actual	Feb-11 28 actual	Mar-11 31 actual	Apr-11 30 actual	May-11 31 actual	Jun-11 30 actual	
DAC FACTORS, \$(/dft) including uncollectible													
AGT Factor - Base Rates	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085	\$0.0085
LIAP Factor - Base Rates	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507	\$0.0507
LIAP Factor - Base Rates	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451	\$0.0451
Weather Normalization Factor - Base Rates	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057	\$0.0057
Environmental - Base Rates	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372	\$0.0372
RI Firm through-put (dft)	1,144,982	1,063,229	1,079,356	1,344,214	2,280,120	4,412,249	6,001,130	6,101,665	5,242,037	3,903,607	2,149,631	1,432,031	36,154,231
Classified's													
AGT Recon. Adjustment - Base Rates													
AGT Recon. Acct Beg. Bal.	\$0												\$300,000
Fst Firm Thru-put (from DK 4199)	1,064,616	(\$683)	(\$1,789)	(\$2,509)	(\$2,964)	(\$3,064)	(\$9,244)	(\$17,984)	(\$23,811)	(\$30,542)	(\$33,221)	(\$33,543)	
Fst AGT Collections	\$9,049	\$7,932	\$8,457	\$10,972	\$19,283	\$31,329	\$42,279	\$44,050	\$39,842	\$30,519	\$17,968	\$11,739	\$2,204,633
Actual Firm Thru-put	1,144,982	1,063,229	1,079,356	1,344,214	2,280,120	4,412,249	6,001,130	6,101,665	5,242,037	3,903,607	2,149,631	1,432,031	273,739
Actual AGT Collections	\$9,732	\$9,037	\$9,175	\$11,426	\$19,381	\$37,504	\$51,010	\$51,864	\$44,557	\$33,181	\$18,272	\$12,172	36,154,231
Collection Variance	(\$683)	(\$1,063)	(\$1,789)	(\$454)	(\$88)	(\$98)	(\$8,714)	(\$7,814)	(\$7,281)	(\$2,662)	(\$304)	(\$113)	307,311
Ending Balance	(\$683)	(\$1,789)	(\$2,507)	(\$2,963)	(\$3,062)	(\$9,239)	(\$17,975)	(\$25,788)	(\$33,526)	(\$33,204)	(\$33,525)	(\$33,666)	
Average Balance	(\$342)	(\$894)	(\$1,481)	(\$1,481)	(\$1,413)	(\$4,199)	(\$8,987)	(\$12,869)	(\$15,263)	(\$16,602)	(\$16,762)	(\$16,828)	
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%	
Interest Applied	(\$0)	(\$1)	(\$1)	(\$2)	(\$2)	(\$5)	(\$10)	(\$12)	(\$16)	(\$21)	(\$27)	(\$18)	-\$101
AGT End Balance	(\$683)	(\$1,789)	(\$2,508)	(\$2,964)	(\$3,064)	(\$9,244)	(\$17,984)	(\$25,811)	(\$33,542)	(\$33,221)	(\$33,543)	(\$33,673)	(\$7,412)
Under/(over) Recovery	(\$683)	(\$1,106)	(\$719)	(\$456)	(\$100)	(\$6,180)	(\$8,741)	(\$7,826)	(\$4,731)	(\$2,679)	(\$322)	(\$130)	\$1,785,000
LIAP Recon. Adjustment - Base Rates													
LIAP Recon. Acct Beg. Bal.	\$0												
Fst Firm Thru-put (from DK 4199)	1,064,616	(\$4,076)	(\$10,680)	(\$14,972)	(\$17,638)	(\$18,299)	(\$55,173)	(\$107,336)	(\$154,070)	(\$182,371)	(\$198,441)	(\$200,464)	
Fst LIAP Collections	\$93,132	\$93,132	\$94,943	\$109,815	\$2,268,616	\$3,685,711	\$4,973,960	\$5,182,373	\$4,667,337	\$3,590,511	\$2,113,880	\$1,418,739	\$32,204,633
Actual Firm Thru-put	\$53,976	\$47,310	\$50,444	\$65,444	\$115,019	\$186,866	\$252,180	\$262,746	\$237,648	\$182,039	\$107,174	\$71,930	\$1,632,776
Actual LIAP Collections	\$58,050	\$53,906	\$54,723	\$68,152	\$115,602	\$223,701	\$304,257	\$309,354	\$262,771	\$197,913	\$108,986	\$72,604	\$18,333,019
Collection Variance	(\$4,074)	(\$6,596)	(\$4,279)	(\$2,708)	(\$583)	(\$36,835)	(\$2,077)	(\$46,608)	(\$28,123)	(\$15,874)	(\$1,812)	(\$674)	
Weather Normalization - Reclass to EES Fund	\$6,068	\$5,319	\$5,671	\$7,358	\$12,931	\$21,009	\$28,352	\$29,540	\$26,718	\$20,466	\$12,049	\$8,087	
Ending Balance	(\$4,074)	(\$10,672)	(\$14,959)	(\$17,680)	(\$18,281)	(\$55,134)	(\$107,250)	(\$153,944)	(\$182,193)	(\$198,245)	(\$200,253)	(\$201,138)	
Average Balance	(\$2,037)	(\$7,374)	(\$12,820)	(\$16,326)	(\$17,989)	(\$36,117)	(\$81,212)	(\$130,640)	(\$168,131)	(\$199,347)	(\$200,308)	(\$200,801)	
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%	
Interest Applied	(\$2)	(\$8)	(\$13)	(\$17)	(\$18)	(\$39)	(\$86)	(\$125)	(\$178)	(\$196)	(\$212)	(\$206)	(\$1,102)
LIAP End Balance	(\$4,076)	(\$10,680)	(\$14,972)	(\$17,698)	(\$18,299)	(\$55,173)	(\$107,336)	(\$154,070)	(\$182,371)	(\$198,441)	(\$200,464)	(\$201,345)	(\$49,121)
Under/(over) Recovery	(\$4,076)	(\$6,604)	(\$4,292)	(\$2,725)	(\$601)	(\$36,874)	(\$52,163)	(\$46,733)	(\$26,301)	(\$16,070)	(\$2,024)	(\$880)	\$13,100,000
Environmental Recon. Adjust - Base Rates													
Environmental Recon. Acct Beg. Bal.	\$0												
Fst Firm Thru-put (from DK 4199)	1,064,616	(\$2,991)	(\$7,837)	(\$10,986)	(\$12,986)	(\$13,426)	(\$40,483)	(\$78,757)	(\$113,047)	(\$133,813)	(\$145,604)	(\$147,089)	
Fst Environmental Collections	\$39,604	\$93,132	\$94,943	\$120,815	\$2,268,616	\$3,685,711	\$4,973,960	\$5,182,373	\$4,667,337	\$3,590,511	\$2,113,880	\$1,418,739	\$32,204,633
Actual Firm Thru-put	1,144,982	\$39,604	\$37,012	\$48,018	\$84,393	\$137,088	\$195,161	\$192,764	\$174,369	\$133,667	\$78,636	\$52,777	\$1,198,011
Actual Environmental Collections	\$42,593	\$39,529	\$40,356	\$50,005	\$84,820	\$164,168	\$223,214	\$226,982	\$195,004	\$145,214	\$79,986	\$52,272	\$1,344,938
Collection Variance	(\$2,989)	(\$3,140)	(\$3,140)	(\$3,140)	(\$3,140)	(\$3,140)	(\$3,140)	(\$3,140)	(\$3,140)	(\$3,140)	(\$3,140)	(\$3,140)	
Ending Environmental Balance	(\$2,989)	(\$7,837)	(\$10,977)	(\$12,973)	(\$13,413)	(\$40,454)	(\$78,714)	(\$112,955)	(\$145,634)	(\$145,634)	(\$145,634)	(\$147,584)	
Average Balance	(\$1,495)	(\$4,111)	(\$5,407)	(\$6,486)	(\$6,707)	(\$20,227)	(\$39,358)	(\$56,866)	(\$72,323)	(\$82,817)	(\$82,817)	(\$82,817)	
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%	
Interest Applied	(\$2)	(\$6)	(\$10)	(\$13)	(\$14)	(\$29)	(\$65)	(\$92)	(\$131)	(\$143)	(\$155)	(\$151)	(\$808)
Environmental End Balance	(\$2,991)	(\$7,837)	(\$10,986)	(\$12,986)	(\$13,426)	(\$40,483)	(\$78,757)	(\$113,047)	(\$133,813)	(\$145,604)	(\$147,089)	(\$147,735)	(\$35,745)
Under/(over) Recovery	(\$2,991)	(\$4,846)	(\$3,150)	(\$2,000)	(\$441)	(\$27,057)	(\$38,274)	(\$34,280)	(\$20,766)	(\$11,790)	(\$1,485)	(\$646)	

Distribution Adjustment Charge Reconciliation Factor

Non-Base Rate / Gas Year Reconciling Components

source	Nov-10		Dec-10		Jan-11		Feb-11		Mar-11		Apr-11		May-11		Jun-11		Jul-11		Aug-11		Sep-11		Oct-11	
	30	31	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast
System Pressure	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250
AGT - DAC	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096	\$0.0096
Environmental - DAC	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)	(\$0.0136)
On-System Margin Credits	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)	(\$0.0190)
Weather Normalization	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788	\$0.0788
Earnings Sharing Mechanism	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Reconciliation Factor	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)	(\$0.0098)
Capital Tracker/ARP	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)	(\$0.0554)
Pension Adjustment	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615	\$0.0615
PBOP Adjustment	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185	\$0.0185
RI Firm through-put (dth)	2,280,120	4,412,249	6,001,130	6,101,665	5,242,037	3,903,607	2,149,631	1,432,031	1,009,352	922,322	969,622	1,261,149	35,664,914											

Classified's

System Pressure Recon Adjust.

System Pressure Act Beg. Balance	\$0	(\$732)	(\$27,636)	\$10,850	(\$48,938)	(\$108,601)	(\$148,598)	(\$112,996)	(\$78,282)	(\$44,750)	(\$8,943)	\$24,955
Actual Costs	\$56,306	\$83,465	\$188,616	\$92,865	\$71,553	\$57,785	\$89,514	\$70,636	\$58,846	\$58,307	\$24,255	\$31,548
Ending Balance	(\$732)	(\$27,621)	(\$10,859)	(\$48,920)	(\$108,517)	(\$148,466)	(\$112,867)	(\$78,184)	(\$44,665)	(\$8,915)	\$24,947	\$52,443
Average Monthly Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Bk America Rate less 200 Basis Points	(\$9)	(\$9)	(\$9)	(\$9)	(\$9)	(\$9)	(\$9)	(\$9)	(\$9)	(\$9)	(\$9)	(\$9)
Interest Applied	(\$732)	(\$27,636)	\$10,850	(\$48,938)	(\$108,601)	(\$148,598)	(\$112,996)	(\$78,282)	(\$44,750)	(\$8,943)	\$24,955	\$31,548
Sys Pressure End Balance	(\$732)	(\$27,636)	\$10,850	(\$48,938)	(\$108,601)	(\$148,598)	(\$112,996)	(\$78,282)	(\$44,750)	(\$8,943)	\$24,955	\$31,548
Under/(over) Recovery	(\$732)	(\$26,904)	\$8,486	(\$59,788)	(\$59,863)	(\$39,997)	\$35,602	\$34,714	\$33,532	\$35,807	\$33,899	\$27,529

AGT Recon Adjustment - DAC

AGT Act Beg. Balance	\$300,000	\$278,439	\$236,414	\$179,106	\$120,756	\$70,605	\$33,237	\$12,654	(\$1,068)	(\$10,750)	(\$19,608)	(\$28,928)
Actual Firm Thru-put	2,280,120	4,412,249	6,001,130	6,101,665	5,242,037	3,903,607	2,149,631	1,432,031	1,009,352	922,322	969,622	1,261,149
Actual AGT Collections	\$21,858	\$42,298	\$57,529	\$59,493	\$50,262	\$37,422	\$20,607	\$13,728	\$9,676	\$8,842	\$9,295	\$12,090
Ending AGT Balance	\$278,142	\$236,141	\$178,885	\$120,613	\$70,504	\$33,184	\$14,630	(\$1,074)	(\$10,744)	(\$18,592)	(\$28,603)	(\$41,018)
Average Monthly Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Bk America Rate less 200 Basis Points	\$257	\$273	\$220	\$144	\$102	\$53	\$24	\$6	(\$6)	(\$16)	(\$26)	(\$37)
Interest Applied	(\$278,142)	(\$236,141)	(\$178,885)	(\$120,613)	(\$70,504)	(\$33,184)	(\$14,630)	(\$1,074)	(\$10,744)	(\$18,592)	(\$28,603)	(\$41,018)
AGT End Balance	(\$278,439)	(\$236,414)	(\$179,106)	(\$120,756)	(\$70,605)	(\$33,237)	(\$12,654)	(\$1,068)	(\$10,750)	(\$19,608)	(\$28,928)	(\$41,055)
Under/(over) Recovery	(\$21,561)	(\$42,024)	(\$57,309)	(\$58,349)	(\$50,151)	(\$37,368)	(\$20,583)	(\$13,722)	(\$9,662)	(\$8,858)	(\$9,320)	(\$12,127)

Environmental Recon. Adjust - DAC

Environmental Act Beg. Balance	(\$425,268)	(\$393,862)	(\$333,517)	(\$251,655)	(\$168,536)	(\$97,159)	(\$44,040)	(\$14,796)	\$4,669	\$18,373	\$30,880	\$44,018
Actual Firm Thru-put	2,280,120	4,412,249	6,001,130	6,101,665	5,242,037	3,903,607	2,149,631	1,432,031	1,009,352	922,322	969,622	1,261,149
Actual Environmental Collections	(\$30,965)	(\$59,959)	(\$81,551)	(\$82,917)	(\$71,236)	(\$53,047)	(\$29,212)	(\$19,460)	(\$13,716)	(\$12,534)	(\$13,176)	(\$17,138)
Ending Environmental Balance	(\$394,263)	(\$333,903)	(\$252,066)	(\$168,738)	(\$97,300)	(\$44,112)	(\$14,828)	(\$4,664)	\$18,365	\$30,907	\$44,056	\$61,156
Average Monthly Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Bk America Rate less 200 Basis Points	(\$409,776)	(\$363,882)	(\$292,741)	(\$210,196)	(\$132,918)	(\$70,636)	(\$29,434)	(\$5,066)	\$11,527	\$24,640	\$37,468	\$52,587
Interest Applied	(\$421)	(\$386)	(\$311)	(\$202)	(\$141)	(\$73)	(\$31)	(\$5)	\$26	\$38	\$44,018	\$61,212
Environmental Recon End Balance	(\$393,862)	(\$333,517)	(\$251,655)	(\$168,536)	(\$97,159)	(\$44,040)	(\$14,796)	(\$4,669)	\$18,373	\$30,880	\$44,018	\$61,212
Under/(over) Recovery	(\$31,406)	(\$60,345)	(\$81,862)	(\$83,119)	(\$71,377)	(\$53,120)	(\$29,243)	(\$19,465)	(\$13,704)	(\$12,508)	(\$13,138)	(\$17,194)

Distribution Adjustment Charge Reconciliation Factor

Non-Base Rate / Gas Year Reconciling Components

source	Nov-10		Dec-10		Jan-11		Feb-11		Mar-11		Apr-11		May-11		Jun-11		Jul-11		Aug-11		Sep-11		Oct-11		
	30	actual	31	actual	31	actual	28	actual	31	actual	30	actual	31	actual	30	actual	31	forecast	30	actual	31	forecast	30	actual	
On-system Credits Recon. Adjust. - DAC																									
On-system Credit Acct Beg. Balance																									
Actual Firm Thru-put																									
Classification																									
Calculation																									
Ending On-system Collections																									
Average Monthly Balance																									
Bk. America Rate less 200 Basis Points																									
Interest Applied																									
On-system Credit End Balance																									
Under/(over) Recovery																									

Weather Normalization - DAC

WNA Acct Beg. Balance																									
Actual Firm Thru-put																									
Classification																									
Calculation																									
Ending WNA Collections																									
Average Monthly Balance																									
Bk. America Rate less 200 Basis Points																									
Interest Applied																									
Weather Normalization End Balance																									
Under/(over) Recovery																									

Earnings Sharings Mechanism - DAC

ESM Acct Beg. Balance																									
Actual Firm Thru-put																									
Classification																									
Calculation																									
Ending ESM Collections																									
Average Monthly Balance																									
Bk. America Rate less 200 Basis Points																									
Interest Applied																									
Earnings Sharing End Balance																									
Under/(over) Recovery																									

Reconciliation Factor - DAC

Recon Factor Acct Beg. Balance																									
Actual Firm Thru-put																									
Classification																									
Calculation																									
Ending Recon Collections																									
Average Monthly Balance																									
Bk. America Rate less 200 Basis Points																									
Interest Applied																									
Reconciliation End Balance																									
Under/(over) Recovery																									

Distribution Adjustment Charge Reconciliation Factor

Non-Base Rate / Gas Year Reconciling Components

source	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11
	30 actual	31 actual	31 actual	28 actual	31 actual	30 actual	31 actual	30 actual	31 forecast	31 forecast	30 forecast	31 forecast
Capital Tracker/APP												
CXT Acct Beg. Balance												
Actual Firm Thru-put	2,280,120	4,412,249	6,001,130	6,101,665	5,242,037	3,903,607	2,149,631	1,432,031	1,009,352	922,322	969,622	1,261,149
Actual CXT Collections	(\$126,232)	(\$244,271)	(\$332,234)	(\$337,800)	(\$290,209)	(\$216,111)	(\$119,008)	(\$79,280)	(\$55,880)	(\$51,061)	(\$53,680)	(\$69,820)
Ending CXT Balance	(\$1,573,569)	(\$1,339,979)	(\$1,000,288)	(\$663,726)	(\$374,316)	(\$40,022)	(\$40,022)	\$39,152	\$95,032	\$146,164	\$199,972	\$269,970
Average Monthly Balance	(\$1,636,685)	(\$1,453,115)	(\$1,166,405)	(\$832,626)	(\$519,420)	(\$266,812)	(\$99,526)	(\$488)	\$67,092	\$120,633	\$173,132	\$235,080
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%
Interest Applied	(\$1,682)	(\$1,543)	(\$1,236)	(\$798)	(\$551)	(\$274)	(\$106)	(\$1)	\$71	\$128	\$178	\$250
Capital Tracker Adjustment End Balance	(\$1,575,290)	(\$1,332,922)	(\$1,001,526)	(\$684,525)	(\$374,867)	(\$159,030)	(\$40,128)	\$39,152	\$95,103	\$146,292	\$200,150	\$270,219
Under/(over) Recovery	\$124,550	\$242,728	\$330,996	\$337,002	\$289,658	\$215,837	\$118,902	\$79,279	\$55,951	\$51,189	\$53,858	\$70,070
Pension Adjustment												
Pen Acct Beg. Balance												
Actual Firm Thru-put	2,280,120	4,412,249	6,001,130	6,101,665	5,242,037	3,903,607	2,149,631	1,432,031	1,009,352	922,322	969,622	1,261,149
Actual Pen Collections	\$140,258	\$271,412	\$369,149	\$375,333	\$322,455	\$240,123	\$132,231	\$68,089	\$62,068	\$56,735	\$59,645	\$77,577
Ending Pen Balance	\$1,847,947	\$1,644,011	\$1,325,476	\$954,642	\$606,663	\$326,019	\$140,177	\$30,165	(\$44,892)	(\$104,351)	(\$162,652)	(\$231,430)
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%
Interest Applied	\$1,859	\$1,745	\$1,407	\$945	\$644	\$335	\$149	\$31	(\$48)	(\$111)	(\$167)	(\$246)
Pension Adjustment End Balance	\$1,779,717	\$1,510,050	\$1,142,309	\$767,891	\$446,080	\$206,292	\$74,210	(\$13,848)	(\$75,984)	(\$192,642)	(\$246)	(\$270,464)
Under/(over) Recovery	(\$138,359)	(\$269,667)	(\$367,742)	(\$374,418)	(\$321,811)	(\$239,788)	(\$132,082)	(\$88,058)	(\$82,136)	(\$56,846)	(\$59,812)	(\$77,823)
PBOP Adjustment												
PBOP Acct Beg. Balance												
Actual Firm Thru-put	2,280,120	4,412,249	6,001,130	6,101,665	5,242,037	3,903,607	2,149,631	1,432,031	1,009,352	922,322	969,622	1,261,149
Actual PBOP Collections	\$42,077	\$81,424	\$110,745	\$112,600	\$96,736	\$72,037	\$39,669	\$26,427	\$18,627	\$17,020	\$17,893	\$23,273
Ending PBOP Balance	\$530,478	\$449,583	\$339,358	\$227,164	\$130,729	\$58,876	\$19,308	(\$7,078)	(\$25,699)	(\$42,736)	(\$60,629)	(\$83,902)
Average Monthly Balance	\$551,517	\$490,295	\$394,731	\$283,464	\$179,097	\$94,894	\$39,142	\$6,136	(\$16,365)	(\$34,286)	(\$51,682)	(\$72,265)
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%
Interest Applied	\$529	\$521	\$406	\$391	\$184	\$101	\$42	\$6	(\$17)	\$0	\$0	\$0
PBOP Adjustment End Balance	\$531,007	\$450,103	\$339,764	\$227,465	\$130,913	\$58,977	\$19,349	(\$7,072)	(\$25,716)	(\$42,736)	(\$60,629)	(\$83,902)
Under/(over) Recovery	(\$41,548)	(\$80,903)	(\$110,339)	(\$112,299)	(\$96,552)	(\$71,936)	(\$39,627)	(\$26,421)	(\$18,644)	(\$17,020)	(\$17,893)	(\$23,273)

National Grid
Rhode Island - Gas

Distribution Adjustment Charge Reconciliation Factor

Non-Base Rate / Gas Year Reconciling Components

October 31, 2010 Ending Deferred Balances

	Forecast	Actual	Variance
System Pressure	(\$63,265)	(\$57,089)	(\$6,176)
Environmental - DAC	(\$21,557)	(\$24,441)	\$2,884
On-System Margin Credits	(\$23,465)	(\$26,683)	\$3,218
Previous Reconciliation Factor	\$11,341	\$11,874	(\$533)
Weather Normalization	(\$48,574)	(\$55,085)	\$6,511
Capital Tracker-One Time	(\$69,069)	(\$78,254)	\$9,185
Capital Tracker/ARP	(\$69,829)	(\$78,982)	\$9,153
Penison	\$12,884	\$14,573	(\$1,689)
PBOP	\$27,244	\$30,894	(\$3,650)
	(\$244,290)	(\$263,193)	\$18,903

National Grid
Rhode Island - Gas

Rhode Island ISR Plan
New DAC Rates by Rate Class
November 1, 2011

Rate Class	Preliminary		Preliminary
	November 1, 2011 DAC Rate (therm)	April 1, 2011 ISR DAC Rates (therm)	November 1, 2011 DAC Rates (therm)
Res-NH	\$0.0035	\$0.0135	\$0.0170
Res-NH-LI	\$0.0035	\$0.0135	\$0.0170
Res-H	\$0.0035	\$0.0069	\$0.0104
Res-H-LI	\$0.0035	\$0.0069	\$0.0104
Small	\$0.0035	\$0.0080	\$0.0115
Medium	\$0.0035	\$0.0052	\$0.0087
Large LL	\$0.0035	\$0.0047	\$0.0082
Large HL	\$0.0035	\$0.0035	\$0.0070
XL-LL	\$0.0035	\$0.0019	\$0.0054
XL-HL	\$0.0035	\$0.0013	\$0.0048