

The Narragansett Electric Company

d/b/a National Grid

INVESTIGATION AS TO THE
PROPRIETY OF PROPOSED TARIFF
CHANGES

Amended
Settlement Agreement

Amended Settlement Agreement
(Clean and Marked-To-Show Changes)
Attachments

Book 1 of 4

November 13, 2012

Submitted to:
Rhode Island Public Utilities Commission
R.I.P.U.C. Docket No. 4323

Submitted by:

nationalgrid

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Amended Settlement Agreement
(Clean)

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

PUBLIC UTILITIES COMMISSION

_____))
Re: The Narragansett Electric Company))
d/b/a National Grid's Application to Change))
Electric and Gas Base Distribution Rates))
_____)

Docket No. 4323

AMENDED SETTLEMENT AGREEMENT

The Narragansett Electric Company d/b/a National Grid (the "Company")¹ enters into this amended settlement agreement (the "Settlement Agreement") with the Division of Public Utilities and Carriers ("Division"), and the U.S. Department of the Navy ("Navy") (collectively, the "Settling Parties"), with regard to the Company's Application for Approval of a Change in Electric and Gas Base Distribution Rates Pursuant to R.I.G.L. §§ 39-3-10 and 39-3-11 (the "Application"). The Company submitted its Application to the Rhode Island Public Utilities Commission (the "Commission") on April 27, 2012.

Background:

The Company's Application to the Commission requested a change in base rates to address a total revenue deficiency of \$31,448,278 for Narragansett Electric and a total revenue deficiency of \$19,952,203 for Narragansett Gas. The Company's Application was necessary for the purpose of recovering the costs incurred by the Company to operate

¹ The term "Company" refers to The Narragansett Electric Company's electric and gas distribution operations on a collective basis. Where there is a need to refer to the individual electric and gas distribution operations of the Company, the terms "Narragansett Electric" or "Narragansett Gas," respectively, are used in this Settlement Agreement.

its electric distribution and gas delivery systems on a safe and reliable basis for the benefit of Rhode Island customers.

The Commission received comments from customers at public hearings held on September 5, September 18, September 19, September 25, and October 3, 2012, and from The Energy Council of Rhode Island (“TEC-RI”) by letter to the Commission dated September 21, 2012, requesting that the Commission limit the increase in electric delivery costs arising from the Company’s Application.

The Settling Parties have engaged in discovery and negotiations regarding the matters specified in the articles of this Settlement Agreement and have asserted competing and disputed claims with regard to certain issues contained in the Application, including, but not limited to, the magnitude of the proposed revenue deficiency and the appropriate rate-recovery mechanisms.

The Settling Parties now wish to resolve the contested issues raised by the Division and the Navy in direct testimony filed with the Commission on August 30, 2012, on mutually agreeable terms and without establishing any new precedents or principles applicable to any other proceedings.

The Settling Parties believe that a settled resolution will reduce costs for Rhode Island customers through the elimination of resource-consuming litigation before the Commission.

Accordingly, in consideration of the exchange of promises herein contained, the Settling Parties hereby agree, subject to approval by the Commission, as follows:

ARTICLE I: INTRODUCTION

A. Procedural History

Since the initial filing of its Application on April 27, 2012, the Company has responded to approximately 550 data requests issued by the Commission, the Division, the Navy and the George Wiley Center. On August 30, 2012, the Division filed the direct testimony of David J. Effron, Bruce A. Gay, Matthew I. Kahal, Dr. Emma L. Nicholson, Bruce R. Oliver and Lee Smith, raising issues in relation to the calculation of the proposed revenue requirement, the computation of allowable uncollectible expense, the cost of capital, and other ratemaking issues including, but not limited to, customer growth on the gas distribution system, cost allocation, and rate design. On August 30, 2012, the Navy filed the direct testimony of Ali Al-Jabir, raising issues in relation to one or more of these same matters. The Rhode Island Attorney General intervened in the proceeding.

B. Settling Parties' Statement

This Settlement Agreement is based on extensive discovery and negotiations among the Settling Parties concerning all issues involved in establishing new base rates for the Company's gas and electric operations to become effective February 1, 2013. The Settling Parties agree that the outcome of this Settlement Agreement is just and reasonable and in the public interest.

C. Scope

The Settlement Agreement resolves all issues contested among the Settling Parties and establishes distribution rates for the Company's electric and gas residential, commercial and industrial ("C&I"), and outdoor lighting customers in Rhode Island.

ARTICLE II: TERMS OF SETTLEMENT

NARRAGANSETT ELECTRIC

A. Electric Revenue Requirement

The base rates for Narragansett Electric shall be set in this proceeding based on a revenue requirement of \$257,531,133 using a test-year ended December 31, 2011 and rate-year ending January 31, 2014, as detailed in Amended Attachment 1 to this agreement.² The electric revenue requirement was determined using a total rate base of \$561,379,652; pro forma test-year operating revenues of \$844,436,763; distribution operating expenses of \$204,983,327; income taxes of \$14,679,368; and an overall rate of return of 7.28 percent. The electric revenue requirement established by the Settling Parties allows for recovery of a revenue deficiency of \$21,508,229, which represents a reduction of \$9,940,049 from the original request for Narragansett Electric. The increase to rates results in an estimated increase of \$2.56 per month for the typical Narragansett Electric residential customer consuming 500 kWh, or 3.5 percent on the total bill, as compared to rates in effect October 1, 2012.

1. Rate Base

(a) Calculation of Rate Base

The Settling Parties agree that rate base for Narragansett Electric shall be calculated to include capital additions approved in the Infrastructure, Safety and Reliability (“ISR”) plans for Fiscal Year 2012 (Docket No. 4218), Fiscal Year 2013 (Docket No. 4307), and estimated Fiscal Year 2014 additions through January 31, 2014. Narragansett Electric’s rate base shall be calculated to include non-ISR capital additions

² Schedule A to this Settlement Agreement lists the attachments supporting this Settlement Agreement. Schedule A also provides a cross-reference to the bound volume that contains each respective attachment.

through January 31, 2014.³ Narragansett Electric's rate base shall also reflect the reserve for uninsured claims and the unamortized cost of long-term debt issuance expense.

(b) Treatment of Deferred Taxes

The Settling Parties agree that Narragansett Electric's rate base includes a reduction for accumulated deferred income taxes, net of current income tax net operating loss ("NOL") receivables. Until the Company utilizes the NOL and receives the tax benefit from the Internal Revenue Service ("IRS"), thereby extinguishing the NOL receivable, the Company's NOL tax receivable shall be included in rate base. Effective from the date that the Company receives the tax benefit from the IRS, customers shall receive a rate-base credit through Narragansett Electric's ISR reconciliation mechanism. Similarly, if the Company is required to adjust its deferred taxes related to its capital-repairs tax deduction to reflect a settlement with the IRS, or an adverse determination by the IRS, the Company shall be entitled to recover the related impacts of such adjustment through its Narragansett Electric ISR reconciliation mechanism. When the IRS completes its review and renders a final determination on the Company's capital-repairs related tax deductions, the Company shall file a copy of the final determination with both the Commission and the Division.

2. Operating Expenses

(a) Uncollectible Accounts Expense

The Settling Parties agree that the recovery of distribution-related uncollectible-accounts expense shall be calculated using Narragansett Electric's actual five-year average of net write-offs as a percentage of revenues, or 1.25 percent. The actual, five-

³ Capital additions that are currently being recovered through the ISR will be included in rate base as of February 1, 2013, concurrent with the effective date of new base rates in this proceeding. Therefore, the capital-related portion of the ISR factor will be set to zero as of February 1, 2013.

year average write-off rate of 1.25 percent shall also be used to calculate recovery of transmission-related, energy efficiency-related, and commodity-related uncollectible accounts expense (see, Article II.C.1, below).

(b) Non-Deferrable Storm Expense

The Settling Parties agree that the amount of non-deferrable storm expense allowed for recovery through base rates shall be set at \$3,722,000 annually, subject to the following: If the actual level of non-deferrable storm expense in any calendar year is greater than \$5,722,000, then the amount in excess of \$5,722,000 shall be charged to the Storm Contingency Fund (the “Storm Fund”). If the actual level of non-deferrable storm expense in any calendar year is less than \$1,722,000, then the amount by which \$1,722,000 exceeds the actual non-deferrable storm expense in that calendar year shall be credited to the Storm Fund.

(c) Storm Fund

The Settling Parties agree that Narragansett Electric shall relinquish its request to establish a three-year Storm Cost Recovery Provision and associated Storm Cost Recovery factor. Instead, the base-rate revenue requirement established by the Settlement Agreement shall include \$1,800,000 annually as a contribution to the Storm Fund. Further, as a result of the damage and Company restoration efforts associated with Hurricane Sandy, which struck the Company’s service territory on October 29-30, 2012, the Settling Parties agree that it is appropriate to contribute an additional \$3.0 million to the Storm Fund annually, for a period of six years commencing with the effective date of base rates in this proceeding, or February 1, 2013. At the end of this six-year period, the continuation of this supplemental \$3.0 million annual Storm Fund contribution will be

subject to Commission review. The resulting total base rate recovery of Storm Fund contributions effective February 1, 2013, will be \$4.8 million.

Finally, the 10-year amortization of \$25 million related to a voluntary early retirement offer in 2003 (the “2003 VERO”), as set forth in the Second Amended Stipulation and Settlement approved in Docket No. 3617, concludes December 31, 2013 (i.e., the eleventh month of the Rate Year). The Settling Parties agree that, upon conclusion of the 2003 VERO cost amortization effective January 1, 2014, an additional \$2.5 million, on an annual basis, will be credited to Narragansett Electric’s Storm Fund. This will result in total annual Storm Fund contributions in the amount of \$7.3 million. To accomplish the incremental annual funding of \$2.5 million, Narragansett Electric shall contribute an additional \$208,333 per month to the Storm Fund commencing January 2014.

In addition, the Settling Parties agree that Narragansett Electric shall credit the Storm Fund in an amount equal to any incremental legal, consulting, or other costs that it incurred on its own behalf or on behalf of the Division to respond to the Division’s investigation in Docket D-11-94 regarding the Division’s review of the preparedness and restoration efforts related to Tropical Storm Irene. This credit to the Storm Fund will be recorded upon Commission approval of this Settlement Agreement.

3. Return on Rate Base

(a) Capital Structure

The Settling Parties agree that the revenue requirement established by this Settlement Agreement for Narragansett Electric shall be set using the Company’s actual consolidated capital structure as of June 30, 2012, adjusted to eliminate Goodwill and

accumulated other comprehensive income (“AOCI”). The actual capital structure shall be further adjusted to include \$200 million of long-term debt to be issued pursuant to the separate settlement agreement entered into between the Division and the Company dated October 15, 2012, in Division Docket D-12-12.

(b) Cost of Long-Term Debt

The Settling Parties agree that the new long-term debt shall be pro-formed at an interest rate of 4.88 percent and debt expense estimated at 0.75 percent, or \$1.5 million. Upon completion of the long-term debt issuance, the revenue requirement established by the Settlement Agreement shall be adjusted to use the actual weighted cost of long-term debt and debt expense after the new debt issuance. Unless the long-term debt issuance is completed prior to submission of the compliance filing implementing rates as a result of this Settlement Agreement, the Company shall make a filing to the Commission within 60 days of the completion of the issuance to adjust base rates for Narragansett Electric to incorporate the actual debt rate and issuance costs in distribution rates. If the impact of incorporating the actual debt rate and issuance costs on Narragansett Electric’s total cost of service is less than \$100,000, no filing will be required and no rate adjustments will be made.

(c) Return on Common Equity

The Settling Parties agree that the return on common equity shall be set at 9.5 percent.

(d) Weighted Average Cost of Capital

The computation of the weighted average cost of capital established by this Settlement Agreement, or 7.28 percent, is set forth in Amended Attachment 1. The

weighted average cost of capital set forth in Amended Attachment 1, as adjusted pursuant to Article II.A.3.(b), above, shall be used for ratemaking purposes, including the ISR mechanism, until the next base-rate proceeding for Narragansett Electric.

B. Cost Allocation and Rate Design

1. Allocated Cost of Service

The Settling Parties agree, for the purpose of settlement in this proceeding, to use the allocated cost of service study initially filed by Narragansett Electric, except that customer-service costs shall be allocated on a kWh basis, as proposed by the Division and approved by the Commission in the Company's last electric rate case, Docket No. 4065, and similar to proposals made by the Division in this proceeding.

2. Rate Design and Revenue Allocation

The Settling Parties agree, for the purpose of settlement, that Narragansett Electric's rate design shall be the rate design filed by the Company, except: (1) the customer charges for the A-60 rate class and X-01 rate class shall be maintained at current levels; and (2) the increase to the G-62 rate class shall be limited to 1.5 times the system-average increase for the G-62 rate class as a whole.

3. Miscellaneous Corrections

The Settling Parties agree that Narragansett Electric shall make all corrections identified during discovery in finalizing the allocated cost of service, revenue allocation and rate design.

4. Amended Attachments

Amended Attachment 2 sets forth the rate tariffs the Settling Parties have agreed to modify and that will take effect for billings to customers of Narragansett Electric for

usage on and after February 1, 2013. Amended Attachments 3A through 3E provide the allocated cost of service study, rate design and bill impacts as of February 1, 2013, for all customer classes, resulting from the implementation of the new distribution rates for Narragansett Electric.

C. Recovery Mechanisms Other Than Base Rates

1. Commodity-Related Uncollectible Accounts Expense

The Settling Parties agree that the Company shall relinquish its proposal to recover commodity-related uncollectible accounts expense through a reconciling mechanism that allows for the recovery of actual expense. Pursuant to Article II.A.2.(a), above, the recovery of commodity-related uncollectible accounts expense shall be limited to the amount calculated by multiplying the actual five-year average write-off rate of 1.25 percent times total estimated commodity revenue in each Standard Offer Service rate filing submitted to the Commission and shall be reconciled annually on a calendar year basis.

2. Pension Adjustment Mechanism

The Settling Parties agree that the Pension Adjustment Mechanism (“PAM”) currently in place for Narragansett Gas to recover pension and other post-retirement employee benefits (“OPEB”) costs shall be implemented by Narragansett Electric based on a fiscal year ending March 31 reconciliation period to align with the Company’s financial reporting fiscal year. The Settling Parties further agree that the Company shall enhance the customer protections currently in place for the PAM by contributing to the pension and OPEB plans at the Minimum Funding Obligation level, which is the amount of pension and OPEB costs collected from customers through base rates and the PAM,

plus capitalized amounts of pension/OPEB cost. The Minimum Funding Obligation shall be contributed by the end of the quarter following the recognition of such costs. The Company shall also include a carrying charge in the PAM equal to the weighted average cost of capital, which shall be applied to any cumulative shortfall between the Minimum Funding Obligation and amounts contributed by the Company to the pension/OPEB plans, including payments to the service companies for allocated pension/OPEB costs. The cumulative shortfall for carrying charge purposes shall be measured quarterly for each fiscal year,⁴ and a carrying charge on the five-quarter average shortfall, if any, shall be included in the subsequent PAM rate change. Attachment 4 provides an illustration of the electric PAM calculation. The Settling Parties agree that the Company shall design a uniform per kWh charge for the PAM implemented by Narragansett Electric.

3. Property Tax Expense

The Settling Parties agree that the Company shall relinquish its request for a fully reconciling mechanism to recover property tax expense. In lieu of a reconciling mechanism to recover property tax expense, the Settling Parties agree to modify the method used to calculate recoverable property tax expense through the ISR.⁵ The adjustment is limited to property embedded in Narragansett Electric's rate-year rate base in this proceeding, along with eligible cumulative ISR net property additions not included in rate base in this proceeding.

In determining the base on which property tax expense is calculated for purposes of the ISR revenue requirement, the Company shall include an amount equal to the base-rate allowance for depreciation expense and depreciation expense on incremental ISR

⁴ The Company's fiscal year is defined as the twelve month period ending March 31.

⁵ This Settlement Agreement also resolves the method of recovering property tax expenses through the ISR.

plant additions in the accumulated reserve for depreciation that is deducted from plant in service. The ISR property tax recovery will also include the impact of any changes in the Company's effective property tax rates on base-rate embedded property, plus cumulative ISR net additions. Property tax impacts associated with non-ISR plant additions are excluded from the property tax recovery calculation. Attachment 5 depicts the ISR property tax recovery formula. The Company shall recover the allowable property tax expense from Narragansett Electric rate classes using a rate-base allocator.

4. Other Tariffs and Non-Base Rate Mechanisms

The Settling Parties agree that this Settlement Agreement is not intended to change the operation of any tariff or mechanism currently in effect pursuant to any statute or prior Commission order that are not specifically addressed in this Settlement Agreement, or contained in Amended Attachment 2.

D. Earnings Sharing Mechanism

The Settling Parties agree that Narragansett Electric shall continue to submit annual earnings reports for each calendar year showing its return on equity on intrastate earnings. Copies will be filed with the Commission and the Division. Such filings shall be made no later than May 1 of the succeeding year. For purposes of these earnings reports, results will be adjusted to reflect established Commission ratemaking principles. However, there will be no adjustments to actual results to recognize or annualize known and measurable changes. Narragansett Electric shall use the capital structure and cost rates set forth in Article II.A.3 of this Settlement Agreement. The return on common equity will be calculated by dividing the net income available for common equity by the common equity applicable to rate base. The common equity applicable to rate base shall

be calculated by multiplying the common equity ratio required by this subsection by rate base. Any accumulated earnings over the Narragansett Electric allowed return on equity of 9.5 percent, up to and including 100 basis points, shall be shared 50 percent with customers and 50 percent for Narragansett Electric. Any earnings over 100 basis points above the allowed return on equity of 9.5 percent shall be shared 75 percent with customers and 25 percent for Narragansett Electric.

ARTICLE III: TERMS OF SETTLEMENT

NARRAGANSETT GAS

A. Gas Revenue Requirement

Base rates for Narragansett Gas shall be set in this proceeding based on a revenue requirement of \$167,159,844, using a test-year ended December 31, 2011 and rate-year ending January 31, 2014, as detailed in Attachment 6.⁶ The gas revenue requirement was determined using a total rate base of \$372,504,484; pro forma test-year operating revenues of \$366,691,174; operating expenses (excluding the cost of gas) of \$129,651,590; income taxes of \$9,011,661; and an overall rate of return of 7.65 percent. The gas revenue requirement established by the Settling Parties allows for recovery of a revenue deficiency of \$11,292,567, which represents a reduction of \$8,659,636 from the original request for Narragansett Gas. The increase to rates results in an estimated increase of \$55.00 for the typical Narragansett Gas residential heating customer consuming 846 therms annually, or 4.9 percent on the total bill, as compared to the rates in effect October 1, 2012.

1. Rate Base

(a) Calculation of Rate Base

The Settling Parties agree that rate base for Narragansett Gas shall be calculated to include capital additions approved in the ISR plans for Fiscal Year 2012 (Docket No. 4219), Fiscal Year 2013 (Docket No. 4306), and estimated Fiscal Year 2014 additions

⁶ Schedule A to this Settlement Agreement lists the attachments supporting this Settlement Agreement. Schedule A also provides a cross-reference to the bound volume that contains each respective attachment.

through January 31, 2014.⁷ The Narragansett Gas rate base shall also reflect the reserve for uninsured claims and the unamortized cost of the long-term debt issuance expense.

(b) Treatment of Deferred Taxes

The Settling Parties agree that the Narragansett Gas rate base includes a reduction for accumulated deferred income taxes, net of current income tax NOL receivables. Until the Company utilizes the NOL and receives the tax benefit from the IRS, thereby extinguishing the NOL receivable, the Company's NOL tax receivable shall be included in rate base. Effective from the date that the Company receives the tax benefit from the IRS, customers shall receive a rate-base credit through the Narragansett Gas ISR reconciliation mechanism. Similarly, if the Company is required to adjust its deferred taxes related to its capital-repairs tax deduction to reflect a settlement with the IRS, or an adverse determination by the IRS, the Company shall be entitled to recover the related impacts of such adjustment through its Narragansett Gas ISR reconciliation mechanism. When the IRS completes its review and renders a final determination on the Company's capital-repairs related tax deductions, the Company shall file a copy of the final determination with both the Commission and the Division.

2. Operating Expenses

(a) Uncollectible Accounts Expense

The Settling Parties agree that the recovery of distribution-related uncollectible-accounts expense shall be calculated using the Narragansett Gas actual five-year average of net write-offs as a percentage of revenues, or 3.18 percent. The actual, five-year average write-off rate of 3.18 percent shall also be used to calculate recovery of energy

⁷ Capital additions that are currently being recovered through the ISR will be included in rate base as of February 1, 2013, concurrent with the effective date of new base rates in this proceeding. Therefore, the capital-related portion of the ISR factor will be set to zero as of February 1, 2013.

efficiency and commodity-related uncollectible accounts expense (see Article III.C.1, below).

3. Return on Rate Base

(a) Capital Structure

The Settling Parties agree that the revenue requirement established by this Settlement Agreement for Narragansett Gas shall be set using the Company's actual consolidated capital structure as of June 30, 2012, adjusted to eliminate Goodwill and AOCI. The actual capital structure shall be further adjusted to include \$200 million of long-term debt to be issued pursuant to the separate settlement agreement entered into between the Division and the Company dated October 15, 2012, in Division Docket D-12-12.

(b) Cost of Long-Term Debt

The Settling Parties agree that the new long-term debt shall be pro-formed at an interest rate of 4.88 percent and debt expense estimated at 0.75 percent, or \$1.5 million. Upon completion of the debt issuance, the revenue requirement established by the Settlement Agreement shall be adjusted to use the actual weighted cost of long-term debt and debt expense after the new debt issuance. Unless the long-term debt issuance is completed prior to submission of the compliance filing implementing rates as a result of this Settlement Agreement, the Company shall make a filing to the Commission within 60 days of the completion of the issuance to adjust base rates to incorporate the actual debt rate and issuance costs in distribution rates. If the impact of incorporating the actual debt rate and issuance costs on Narragansett Gas' total cost of service is less than \$50,000, no filing will be required and no rate adjustments will be made.

(c) Return on Common Equity

The Settling Parties agree that the return on common equity shall be set at 9.5 percent.

(d) Weighted Average Cost of Capital

The computation of the weighted average cost of capital established by this Settlement Agreement, or 7.65 percent, is set forth in Attachment 6. The weighted average cost of capital set forth in Attachment 6, as adjusted pursuant to Article III.A.3.(b), above, shall be used for ratemaking purposes, including the ISR mechanism, until the next base-rate proceeding for Narragansett Gas.

B. Cost Allocation and Rate Design

1. Allocated Cost of Service

The Settling Parties agree, for the purpose of settlement in this proceeding, to use the allocated cost of service study initially filed by Narragansett Gas.

2. Rate Design and Revenue Allocation

The Settling Parties agree, for the purpose of settlement, that the Narragansett Gas rate design shall be the rate design initially filed, except as described below. The Settling Parties agree that the proposed customer charge for the residential heating class shall be \$13.00. The Settling Parties agree that the rate increase for the C&I Extra-Large Low Load Factor class should be reduced from the level proposed by Narragansett Gas to 3.79 percent. Narragansett Gas shall increase the non-heating rate class above the overall average for Narragansett Gas customer classes. Narragansett Gas shall update its bill-impact analysis in each rate class for this proceeding and in each subsequent base-rate proceeding to reflect actual mean usage for the test year.

3. Service to Dual-Fuel Customers

The Settling Parties agree that Narragansett Gas will cease separate tracking of revenue for dual-fuel customers who utilize its Firm Service rate schedules. Revenue requirements for dual-fuel customers who utilize the Firm Service rate schedules will be counted within the revenues of the respective Firm Service rate classifications.

The Settling Parties agree that, in the absence of an allocated cost of service study that properly reflects Narragansett Gas costs of providing service to Non-Firm Service customers, the annual revenue requirement for dual-fuel customers who use Non-Firm service shall be set at \$1.8 million. Only non-firm revenue shall be included for the purpose of calculating the Distribution Adjustment Clause (“DAC”) On-System Margin factor.

The Settling Parties agree that Narragansett Gas will continue to account for firm customers and non-firm dual-fuel customers that migrate from or to the firm to non-firm classes. The annual \$1.8 million threshold will be adjusted to reflect changes in the non-firm customer base. If a firm customer converts to non-firm service, Narragansett Gas will increase the threshold by the customer’s prior year’s historical usage multiplied by the applicable non-firm rate set forth in this Settlement Agreement. If a non-firm customer converts to firm service, Narragansett Gas will decrease the threshold by the non-firm customer’s forecasted rate-year usage multiplied by the applicable non-firm rate set forth in this Settlement Agreement.

In the absence of an allocated cost of service study, which includes Non-Firm Service as a separate class, the Settling Parties agree for the purpose of this settlement to design rates for Non-Firm gas transportation service based on a 20 percent discount from

the otherwise applicable Firm C&I rates excluding firm customer charges. Narragansett Gas also agrees that the non-firm rate increase shall be less than or equal 19 percent and shall not exceed 19 percent.

The Settling Parties agree that Narragansett Gas will submit an allocated cost of service study in its next base-rate proceeding, which details the allocations of its full costs of service to all classes with Non-Firm service shown as a separate class within the study, although no determination is made by this Settlement Agreement as to whether Narragansett Gas shall use the study for the purpose of designing rates in that case.

4. Firm Revenues

A large commercial and industrial customer in southern Rhode Island has proposed to install a large gas-fired combined heat and power project. In the event such project is constructed, 50 percent of any incremental revenues received by Narragansett Gas will be credited to firm customers through the annual reconciliation of the DAC until the next base-rate proceeding for Narragansett Gas.

5. Miscellaneous Corrections

The Settling Parties agree that the Company shall make all corrections identified during discovery in finalizing the allocated cost of service, revenue allocation and rate design.

6. Attachments

Attachment 7 sets forth the rate tariffs that will take effect for billings to customers of Narragansett Gas for usage on and after February 1, 2013. Attachments 8A through 8D provide the allocated cost of service study, rate design and bill impacts as of

February 1, 2013, for all rate classes, resulting from the implementation of the new distribution rates for Narragansett Gas.

C. Recovery Mechanisms Other than Base Rates

1. Commodity-Related Uncollectible Accounts Expense

The Settling Parties agree that the Company shall relinquish its proposal to recover commodity-related uncollectible accounts expense through a reconciling mechanism that allows for the recovery of actual expense. Pursuant to Article III.A.2.(a), above, the recovery of commodity-related uncollectible accounts expense shall be limited to the amount calculated by multiplying the actual, five-year average write-off rate of 3.18 percent times total commodity revenues in each calendar year.

2. Pension Adjustment Mechanism

The Settling Parties agree that the PAM currently in place for Narragansett Gas to recover pension and OPEB costs shall continue, but the Company shall transition to a fiscal year ending March 31 reconciliation period to align with the Company's financial reporting fiscal year. The Settling Parties further agree that the Company shall enhance the customer protections applicable to the existing PAM by contributing to the pension and OPEB plans at the Minimum Funding Obligation level, which is the amount of pension and OPEB costs collected from customers through base rates and the PAM, plus capitalized amounts of pension/OPEB cost. The Minimum Funding Obligation shall be contributed by the end of the quarter following the recognition of such costs. The Company shall also include a carrying charge in the PAM equal to the weighted average cost of capital, which shall be applied to any cumulative shortfall between the Minimum Funding Obligation and amounts contributed by the Company to the pension/OPEB

plans, including payments to the service companies for allocated pension/OPEB costs. The cumulative shortfall for carrying charge purposes shall be measured quarterly for each fiscal year, and a carrying charge on the five-quarter average shortfall, if any, shall be included in the subsequent PAM rate change. The Settling Parties agree that the Company shall design a uniform per therm charge for the Narragansett Gas PAM.

3. Property Tax Expense

The Settling Parties agree that the Company shall relinquish its request for a fully reconciling mechanism to recover property tax expense. In lieu of a reconciling mechanism to recover property tax expense, the Settling Parties agree to modify the method used to calculate recoverable property tax expense through the ISR.⁸ The adjustment is limited to property embedded in the Narragansett Gas rate-year rate base in this proceeding, along with eligible cumulative ISR net property additions not included in rate base in this proceeding.

In determining the base on which property tax expense is calculated for purposes of the ISR revenue requirement, the Company shall include an amount equal to the base-rate allowance for depreciation expense and depreciation expense on incremental ISR plant additions in the accumulated reserve for depreciation that is deducted from plant in service. The ISR property tax recovery will also include the impact of any changes in the Company's effective property tax rates on base-rate embedded property, plus cumulative ISR net additions. Property tax impacts associated with non-ISR plant additions are excluded from the property tax recovery calculation. Attachment 5 depicts the ISR

⁸ This Settlement Agreement also resolves the method of recovering property tax expenses through the ISR.

property tax recovery formula. The Company shall recover the allowable property tax expense from Narragansett Gas rate classes using a rate-base allocator.

4. Gas Growth – Revenue Decoupling Mechanism (“RDM”)

The Settling Parties agree that actual average rate-year customer data and actual rate year gas-growth capital investments will be used for purposes of establishing the Revenue Per Customer targets used in the calculation of the Narragansett Gas annual RDM for periods commencing February 1, 2013, or the effective date of base rates in this proceeding. Attachment 9 provides an illustrative calculation to be employed at the end of the rate year. As shown on this attachment, Narragansett Gas will calculate the difference between the forecasted gas-growth capital revenue requirement and the actual gas growth capital revenue requirement in the rate year. This difference shall be added to or subtracted from the total RDM class revenue requirement used to establish base rates in this proceeding. This adjusted total class revenue requirement will be divided by the actual average customer totals per rate class during the rate year to arrive at the class revenue per customer amount to be used in the calculation of RDM adjustments for all periods commencing February 1, 2013, and until new base rates are established for gas service. The method illustrated in Attachment 9 does not establish any precedent for the calculation of RDM adjustments subsequent to future gas base rate cases.

5. Other Non-Base Rate Mechanisms

The Settling Parties agree that this Settlement Agreement is not intended to change the operation of rate-recovery mechanisms that function outside of gas base rates to recover costs, except that filing dates shall be moved from June 30 of each year to March 31 of each year, as provided by tariff. Rate-recovery through these mechanisms

will continue in accordance with the tariffs approved and implemented with this Settlement Agreement.

D. Earnings Sharing Mechanism

The Settling Parties agree that Narragansett Gas shall continue to submit annual earnings reports showing its return on equity on intrastate earnings, but will move the reporting period to a fiscal year (April 1 through March 31). This reporting period aligns with the Company's fiscal year for financial reporting purposes. Copies will be filed with the Commission and the Division. Such filings shall be made no later than July 1 succeeding the end of the fiscal year. For purposes of these earnings reports, results will be adjusted to reflect established Commission ratemaking principles. However, there will be no adjustments to actual results to recognize or annualize known and measurable changes. Narragansett Gas shall use the capital structure and cost rates set forth in Article III.A.3 of this Settlement Agreement. The return on common equity will be calculated by dividing the net income available for common equity by the common equity applicable to rate base. The common equity applicable to rate base shall be calculated by multiplying the common equity ratio required by this subsection by rate base. Any accumulated earnings over the Narragansett Gas allowed return on equity of 9.5 percent, up to and including 100 basis points, shall be shared 50 percent with customers and 50 percent for Narragansett Gas. Any earnings over 100 basis points above the allowed return on equity of 9.5 percent shall be shared 75 percent with customers and 25 percent for Narragansett Gas. The Company's Annual Report to the Commission will reflect the same fiscal-year period, or the twelve months ended March 31.

ARTICLE IV: SETTLEMENT CONDITIONS

A. This Settlement Agreement is the result of negotiations among the Settling Parties. The discussions that have produced this Settlement Agreement have been conducted on the explicit understanding that all offers of settlement and discussions relating hereto are and shall be privileged, shall be without prejudice to the position of any party or participant presenting such offer or participating in any such discussion, and are not to be used in any manner in connection with these or other proceedings involving any one or more of the parties to this Settlement Agreement or otherwise. The agreement by a party to the terms of this Settlement Agreement shall not be construed as an agreement as to any matter of fact or law for any other purpose.

B. Unless expressly stated herein, the making of this Settlement Agreement establishes no principles and shall not be deemed to foreclose any Settling Party from making any contention in any other proceeding or investigation.

C. The Settling Parties submit this Settlement Agreement on the condition that it be approved in full by the Commission. In the event that the Commission (i) rejects this Settlement Agreement; (ii) fails to accept this Settlement Agreement as filed; or (iii) accepts this Settlement Agreement subject to conditions unacceptable to any party hereto, then this Settlement Agreement shall be deemed withdrawn and shall be null and void in all respects.

D. The Settling Parties recognize that the Commission has an ongoing obligation to modify rates to protect the public against improper and unreasonable rates, and that obligation cannot be precluded by a settlement agreement.

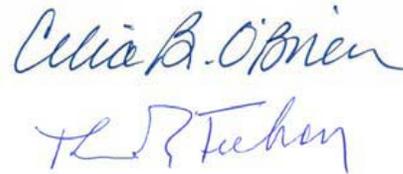
E. This Settlement Agreement may be signed in counterparts each of which shall be deemed an original and all of which together shall constitute one in the same document.

IN WITNESS WHEREOF, the parties agree that this Settlement Agreement is reasonable and have caused this document to be executed by their respective representatives, each being fully authorized to do so, as of this 13th day of November, 2012.

Respectfully submitted,

**DIVISION OF PUBLIC
UTILITIES AND CARRIERS**
By its Attorney,

**THE NARRAGANSETT ELECTRIC
COMPANY D/B/A NATIONAL GRID**
By its Attorneys,



Leo J. Wold
Assistant Attorney General

Celia B. O'Brien
Thomas R. Teehan

**UNITED STATES DEPARTMENT OF
THE NAVY**
By its Attorney,

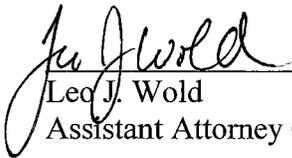
Ellen M. Evans
Senior Trial Attorney
Naval Litigation Office

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Respectfully submitted,

**DIVISION OF PUBLIC
UTILITIES AND CARRIERS**
By its Attorney,

**THE NARRAGANSETT ELECTRIC
COMPANY D/B/A NATIONAL GRID**
By its Attorneys,



Leo J. Wold
Assistant Attorney General

Celia B. O'Brien
Thomas R. Teehan

**UNITED STATES DEPARTMENT OF
THE NAVY**
By its Attorney,

Ellen M. Evans
Senior Trial Attorney
Naval Litigation Office

IN WITNESS WHEREOF, the parties agree that this Settlement Agreement is reasonable and have caused this document to be executed by their respective representatives, each being fully authorized to do so, as of this 13th day of November, 2012.

Respectfully submitted,

**DIVISION OF PUBLIC
UTILITIES AND CARRIERS**
By its Attorney,

**THE NARRAGANSETT ELECTRIC
COMPANY D/B/A NATIONAL GRID**
By its Attorneys,

Leo J. Wold
Assistant Attorney General

Celia B. O'Brien
Thomas R. Teehan

**UNITED STATES DEPARTMENT OF
THE NAVY**
By its Attorney,



Ellen M. Evans
Senior Trial Attorney
Naval Litigation Office

SCHEDULE A

LIST OF ATTACHMENTS

<u>Attachment No.</u>	<u>Attachment Name</u>	<u>Book No.</u>
Amended Attachment 1	Narragansett Electric Cost of Service	Book 1
Amended Attachment 2	Electric Tariffs	Book 3
Amended Attachment 3A	(Electric) Class Cost of Service Study	Book 2
Amended Attachment 3B	Proposed (Electric) Distribution Revenue Allocation	Book 2
Amended Attachment 3C	Summary of Proposed Electric Service Rates	Book 2
Amended Attachment 3D	Proposed (Electric) Distribution Rate Design	Book 2
Amended Attachment 3E	Typical Bills and Street and Area Lighting Bill Impacts	Book 2
Attachment 4	Illustrative Electric Pension/OPEB Tracker Mechanism	Book 1
Attachment 5	Illustrative ISR Property Tax Recovery Calculation	Book 1
Attachment 6	Narragansett Gas Cost of Service	Book 1
Attachment 7	Gas Tariffs	Book 4
Attachment 8A	Gas Cost of Service Study - Summary	Book 2
Attachment 8B	Gas Cost of Service Study - Detail	Book 2
Attachment 8C	Proposed Gas Rate Design	Book 2
Attachment 8D	Bill Impact Analysis	Book 2
Attachment 9	Illustrative RDM Revenue per Customer Target Calculation	Book 1

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Amended Settlement Agreement
(Marked-To-Show Changes)

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

PUBLIC UTILITIES COMMISSION

_____))
Re: The Narragansett Electric Company)
d/b/a National Grid’s Application to Change) Docket No. 4323
Electric and Gas Base Distribution Rates)
_____)

AMENDED SETTLEMENT AGREEMENT

The Narragansett Electric Company d/b/a National Grid (the “Company”)¹ enters into this amended settlement agreement (the “Settlement Agreement”) with the Division of Public Utilities and Carriers (“Division”), and the U.S. Department of the Navy (“Navy”) (collectively, the “Settling Parties”), with regard to the Company’s Application for Approval of a Change in Electric and Gas Base Distribution Rates Pursuant to R.I.G.L. §§ 39-3-10 and 39-3-11 (the “Application”). The Company submitted its Application to the Rhode Island Public Utilities Commission (the “Commission”) on April 27, 2012.

Background:

The Company’s Application to the Commission requested a change in base rates to address a total revenue deficiency of \$31,448,278 for Narragansett Electric and a total revenue deficiency of \$19,952,203 for Narragansett Gas. The Company’s Application was necessary for the purpose of recovering the costs incurred by the Company to operate

¹ The term “Company” refers to The Narragansett Electric Company’s electric and gas distribution operations on a collective basis. Where there is a need to refer to the individual electric and gas distribution operations of the Company, the terms “Narragansett Electric” or “Narragansett Gas,” respectively, are used in this Settlement Agreement.

its electric distribution and gas delivery systems on a safe and reliable basis for the benefit of Rhode Island customers.

The Commission received comments from customers at public hearings held on September 5, September 18, September 19, September 25, and October 3, 2012, and from The Energy Council of Rhode Island (“TEC-RI”) by letter to the Commission dated September 21, 2012, requesting that the Commission limit the increase in electric delivery costs arising from the Company’s Application.

The Settling Parties have engaged in discovery and negotiations regarding the matters specified in the articles of this Settlement Agreement and have asserted competing and disputed claims with regard to certain issues contained in the Application, including, but not limited to, the magnitude of the proposed revenue deficiency and the appropriate rate-recovery mechanisms.

The Settling Parties now wish to resolve the contested issues raised by the Division and the Navy in direct testimony filed with the Commission on August 30, 2012, on mutually agreeable terms and without establishing any new precedents or principles applicable to any other proceedings.

The Settling Parties believe that a settled resolution will reduce costs for Rhode Island customers through the elimination of resource-consuming litigation before the Commission.

Accordingly, in consideration of the exchange of promises herein contained, the Settling Parties hereby agree, subject to approval by the Commission, as follows:

ARTICLE I: INTRODUCTION

A. Procedural History

Since the initial filing of its Application on April 27, 2012, the Company has responded to approximately 550 data requests issued by the Commission, the Division, the Navy and the George Wiley Center. On August 30, 2012, the Division filed the direct testimony of David J. Effron, Bruce A. Gay, Matthew I. Kahal, Dr. Emma L. Nicholson, Bruce R. Oliver and Lee Smith, raising issues in relation to the calculation of the proposed revenue requirement, the computation of allowable uncollectible expense, the cost of capital, and other ratemaking issues including, but not limited to, customer growth on the gas distribution system, cost allocation, and rate design. On August 30, 2012, the Navy filed the direct testimony of Ali Al-Jabir, raising issues in relation to one or more of these same matters. The Rhode Island Attorney General intervened in the proceeding.

B. Settling Parties' Statement

This Settlement Agreement is based on extensive discovery and negotiations among the Settling Parties concerning all issues involved in establishing new base rates for the Company's gas and electric operations to become effective February 1, 2013. The Settling Parties agree that the outcome of this Settlement Agreement is just and reasonable and in the public interest.

C. Scope

The Settlement Agreement resolves all issues contested among the Settling Parties and establishes distribution rates for the Company's electric and gas residential, commercial and industrial ("C&I"), and outdoor lighting customers in Rhode Island.

ARTICLE II: TERMS OF SETTLEMENT

NARRAGANSETT ELECTRIC

A. Electric Revenue Requirement

The base rates for Narragansett Electric shall be set in this proceeding based on a revenue requirement of \$257,531,133 using a test-year ended December 31, 2011 and rate-year ending January 31, 2014, as detailed in [Amended Attachment 1](#) to this agreement.² The electric revenue requirement was determined using a total rate base of \$561,379,652; pro forma test-year operating revenues of ~~\$844,841,436,763~~; distribution operating expenses of ~~\$204,201,983,327~~; income taxes of \$14,679,368; and an overall rate of return of 7.28 percent. The electric revenue requirement established by the Settling Parties allows for recovery of a revenue deficiency of ~~\$214,850,829~~, which represents a reduction of ~~\$942,940,049~~ from the original request for Narragansett Electric. The increase to rates results in an estimated increase of \$2.~~5631~~ per month for the typical Narragansett Electric residential customer consuming 500 kWh, or 3.~~54~~ percent on the total bill, as compared to rates in effect October 1, 2012.

1. Rate Base

(a) Calculation of Rate Base

The Settling Parties agree that rate base for Narragansett Electric shall be calculated to include capital additions approved in the Infrastructure, Safety and Reliability (“ISR”) plans for Fiscal Year 2012 (Docket No. 4218), Fiscal Year 2013 (Docket No. 4307), and estimated Fiscal Year 2014 additions through January 31, 2014. Narragansett Electric’s rate base shall be calculated to include non-ISR capital additions

² Schedule A to this Settlement Agreement lists the attachments supporting this Settlement Agreement. Schedule A also provides a cross-reference to the bound volume that contains each respective attachment.

through January 31, 2014.³ Narragansett Electric's rate base shall also reflect the reserve for uninsured claims and the unamortized cost of long-term debt issuance expense.

(b) Treatment of Deferred Taxes

The Settling Parties agree that Narragansett Electric's rate base includes a reduction for accumulated deferred income taxes, net of current income tax net operating loss ("NOL") receivables. Until the Company utilizes the NOL and receives the tax benefit from the Internal Revenue Service ("IRS"), thereby extinguishing the NOL receivable, the Company's NOL tax receivable shall be included in rate base. Effective from the date that the Company receives the tax benefit from the IRS, customers shall receive a rate-base credit through Narragansett Electric's ISR reconciliation mechanism. Similarly, if the Company is required to adjust its deferred taxes related to its capital-repairs tax deduction to reflect a settlement with the IRS, or an adverse determination by the IRS, the Company shall be entitled to recover the related impacts of such adjustment through its Narragansett Electric ISR reconciliation mechanism. When the IRS completes its review and renders a final determination on the Company's capital-repairs related tax deductions, the Company shall file a copy of the final determination with both the Commission and the Division.

2. Operating Expenses

(a) Uncollectible Accounts Expense

The Settling Parties agree that the recovery of distribution-related uncollectible-accounts expense shall be calculated using Narragansett Electric's actual five-year average of net write-offs as a percentage of revenues, or 1.25 percent. The actual, five-

³ Capital additions that are currently being recovered through the ISR will be included in rate base as of February 1, 2013, concurrent with the effective date of new base rates in this proceeding. Therefore, the capital-related portion of the ISR factor will be set to zero as of February 1, 2013.

year average write-off rate of 1.25 percent shall also be used to calculate recovery of transmission-related, energy efficiency-related, and commodity-related uncollectible accounts expense (see, Article II.C.1, below).

(b) Non-Deferrable Storm Expense

The Settling Parties agree that the amount of non-deferrable storm expense allowed for recovery through base rates shall be set at \$3,722,000 annually, subject to the following: If the actual level of non-deferrable storm expense in any calendar year is greater than \$5,722,000, then the amount in excess of \$5,722,000 shall be charged to the Storm Contingency Fund (the “Storm Fund”). If the actual level of non-deferrable storm expense in any calendar year is less than \$1,722,000, then the amount by which \$1,722,000 exceeds the actual non-deferrable storm expense in that calendar year shall be credited to the Storm Fund.

(c) Storm Fund

The Settling Parties agree that Narragansett Electric shall relinquish its request to establish a three-year Storm Cost Recovery Provision and associated Storm Cost Recovery factor. Instead, the base-rate revenue requirement established by the Settlement Agreement shall include \$1,800,000 annually as a contribution to the Storm Fund. Further, as a result of the damage and Company restoration efforts associated with Hurricane Sandy, which struck the Company’s service territory on October 29-30, 2012, the Settling Parties settling parties agree that it is appropriate to temporarily contribute an additional \$3.0 million to the Storm Fund annually fund an incremental annual amount of \$3.0 million, for a period of six years commencing with the effective date of base rates in this proceeding, or February 1, 2013, an incremental annual amount of \$3.0 million. At

the end of this temporary six- year period, the continuation of appropriateness of continuing this supplemental \$3.0 million annual Storm Fund contribution will be subject to Commission review. The resulting total base rate recovery of Storm Fund contributions effective February 1, 2013, will be \$4.8 million. this incremental Storm fund contribution rates. In addition to the permanent base rate recovery amount of \$1.8 million

Finally

Finally further, the 10-year amortization of \$25 million related to a voluntary early retirement offer in 2003 (the “2003 VERO”), as set forth in the Second Amended Stipulation and Settlement approved in Docket No. 3617, concludes December 31, 2013 (i.e., the eleventh month of the Rate Year). The Settling Parties agree that, upon conclusion of the 2003 VERO cost amortization effective January 1, 2014, an additional \$2.5 million, on an annual basis, will be credited to Narragansett Electric’s Storm Fund. This will result in total annual Storm Fund contributions in the amount of \$7.3 million. To accomplish the incremental annual funding of \$2.5 million, Narragansett Electric shall contribute an additional \$208,333 per month to the Storm Fund commencing January 2014.

In addition, the Settling Parties agree that Narragansett Electric shall credit the Storm Fund in an amount equal to any incremental legal, consulting, or other costs that it incurred on its own behalf or on behalf of the Division to respond to the Division’s investigation in Docket D-11-94 regarding the Division’s review of the preparedness and restoration efforts related to Tropical Storm Irene. This credit to the Storm Fund will be recorded upon Commission approval of this Settlement Agreement.

3. Return on Rate Base

(a) Capital Structure

The Settling Parties agree that the revenue requirement established by this Settlement Agreement for Narragansett Electric shall be set using the Company's actual consolidated capital structure as of June 30, 2012, adjusted to eliminate Goodwill and accumulated other comprehensive income ("AOCI"). The actual capital structure shall be further adjusted to include \$200 million of long-term debt to be issued pursuant to the separate settlement agreement entered into between the Division and the Company dated October 15, 2012, in Division Docket D-12-12.

(b) Cost of Long-Term Debt

The Settling Parties agree that the new long-term debt shall be pro-formed at an interest rate of 4.88 percent and debt expense estimated at 0.75 percent, or \$1.5 million. Upon completion of the long-term debt issuance, the revenue requirement established by the Settlement Agreement shall be adjusted to use the actual weighted cost of long-term debt and debt expense after the new debt issuance. Unless the long-term debt issuance is completed prior to submission of the compliance filing implementing rates as a result of this Settlement Agreement, the Company shall make a filing to the Commission within 60 days of the completion of the issuance to adjust base rates for Narragansett Electric to incorporate the actual debt rate and issuance costs in distribution rates. If the impact of incorporating the actual debt rate and issuance costs on Narragansett Electric's total cost of service is less than \$100,000, no filing will be required and no rate adjustments will be made.

(c) Return on Common Equity

The Settling Parties agree that the return on common equity shall be set at 9.5 percent.

(d) Weighted Average Cost of Capital

The computation of the weighted average cost of capital established by this Settlement Agreement, or 7.28 percent, is set forth in [Amended Attachment 1](#). The weighted average cost of capital set forth in [Amended Attachment 1](#), as adjusted pursuant to Article II.A.3.(b), above, shall be used for ratemaking purposes, including the ISR mechanism, until the next base-rate proceeding for Narragansett Electric.

B. Cost Allocation and Rate Design

1. Allocated Cost of Service

The Settling Parties agree, for the purpose of settlement in this proceeding, to use the allocated cost of service study initially filed by Narragansett Electric, except that customer-service costs shall be allocated on a kWh basis, as proposed by the Division and approved by the Commission in the Company's last electric rate case, Docket No. 4065, and similar to proposals made by the Division in this proceeding.

2. Rate Design and Revenue Allocation

The Settling Parties agree, for the purpose of settlement, that Narragansett Electric's rate design shall be the rate design filed by the Company, except: (1) the customer charges for the A-60 rate class and X-01 rate class shall be maintained at current levels; and (2) the increase to the G-62 rate class shall be limited to 1.5 times the system-average increase for the G-62 rate class as a whole.

3. Miscellaneous Corrections

The Settling Parties agree that Narragansett Electric shall make all corrections identified during discovery in finalizing the allocated cost of service, revenue allocation and rate design.

4. Amended Attachments

Amended Attachment 2 sets forth the rate tariffs the Settling Parties have agreed to modify and that will take effect for billings to customers of Narragansett Electric for usage on and after February 1, 2013. Amended Attachments 3A through 3E provide the allocated cost of service study, rate design and bill impacts as of February 1, 2013, for all customer classes, resulting from the implementation of the new distribution rates for Narragansett Electric.

C. Recovery Mechanisms Other Than Base Rates

1. Commodity-Related Uncollectible Accounts Expense

The Settling Parties agree that the Company shall relinquish its proposal to recover commodity-related uncollectible accounts expense through a reconciling mechanism that allows for the recovery of actual expense. Pursuant to Article II.A.2.(a), above, the recovery of commodity-related uncollectible accounts expense shall be limited to the amount calculated by multiplying the actual five-year average write-off rate of 1.25 percent times total estimated commodity revenue in each Standard Offer Service rate

filing submitted to the Commission and shall be reconciled annually on a calendar year basis.

2. Pension Adjustment Mechanism

The Settling Parties agree that the Pension Adjustment Mechanism (“PAM”) currently in place for Narragansett Gas to recover pension and other post-retirement employee benefits (“OPEB”) costs shall be implemented by Narragansett Electric based on a fiscal year ending March 31 reconciliation period to align with the Company’s financial reporting fiscal year. The Settling Parties further agree that the Company shall enhance the customer protections currently in place for the PAM by contributing to the pension and OPEB plans at the Minimum Funding Obligation level, which is the amount of pension and OPEB costs collected from customers through base rates and the PAM, plus capitalized amounts of pension/OPEB cost. The Minimum Funding Obligation shall be contributed by the end of the quarter following the recognition of such costs. The Company shall also include a carrying charge in the PAM equal to the weighted average cost of capital, which shall be applied to any cumulative shortfall between the Minimum Funding Obligation and amounts contributed by the Company to the pension/OPEB plans, including payments to the service companies for allocated pension/OPEB costs. The cumulative shortfall for carrying charge purposes shall be measured quarterly for each fiscal year,⁴ and a carrying charge on the five-quarter average shortfall, if any, shall be included in the subsequent PAM rate change. Attachment 4 provides an illustration of the electric PAM calculation. The Settling Parties agree that the Company shall design a uniform per kWh charge for the PAM implemented by Narragansett Electric.

⁴ The Company’s fiscal year is defined as the twelve month period ending March 31.

3. Property Tax Expense

The Settling Parties agree that the Company shall relinquish its request for a fully reconciling mechanism to recover property tax expense. In lieu of a reconciling mechanism to recover property tax expense, the Settling Parties agree to modify the method used to calculate recoverable property tax expense through the ISR.⁵ The adjustment is limited to property embedded in Narragansett Electric's rate-year rate base in this proceeding, along with eligible cumulative ISR net property additions not included in rate base in this proceeding.

In determining the base on which property tax expense is calculated for purposes of the ISR revenue requirement, the Company shall include an amount equal to the base-rate allowance for depreciation expense and depreciation expense on incremental ISR plant additions in the accumulated reserve for depreciation that is deducted from plant in service. The ISR property tax recovery will also include the impact of any changes in the Company's effective property tax rates on base-rate embedded property, plus cumulative ISR net additions. Property tax impacts associated with non-ISR plant additions are excluded from the property tax recovery calculation. Attachment 5 depicts the ISR property tax recovery formula. The Company shall recover the allowable property tax expense from Narragansett Electric rate classes using a rate-base allocator.

4. Other Tariffs and Non-Base Rate Mechanisms

The Settling Parties agree that this Settlement Agreement is not intended to change the operation of any tariff or mechanism currently in effect pursuant to any statute

⁵ This Settlement Agreement also resolves the method of recovering property tax expenses through the ISR.

or prior Commission order that are not specifically addressed in this Settlement Agreement, or contained in [Amended Attachment 2](#).

D. Earnings Sharing Mechanism

The Settling Parties agree that Narragansett Electric shall continue to submit annual earnings reports for each calendar year showing its return on equity on intrastate earnings. Copies will be filed with the Commission and the Division. Such filings shall be made no later than May 1 of the succeeding year. For purposes of these earnings reports, results will be adjusted to reflect established Commission ratemaking principles. However, there will be no adjustments to actual results to recognize or annualize known and measurable changes. Narragansett Electric shall use the capital structure and cost rates set forth in Article II.A.3 of this Settlement Agreement. The return on common equity will be calculated by dividing the net income available for common equity by the common equity applicable to rate base. The common equity applicable to rate base shall be calculated by multiplying the common equity ratio required by this subsection by rate base. Any accumulated earnings over the Narragansett Electric allowed return on equity of 9.5 percent, up to and including 100 basis points, shall be shared 50 percent with customers and 50 percent for Narragansett Electric. Any earnings over 100 basis points above the allowed return on equity of 9.5 percent shall be shared 75 percent with customers and 25 percent for Narragansett Electric.

ARTICLE III: TERMS OF SETTLEMENT

NARRAGANSETT GAS

A. Gas Revenue Requirement

Base rates for Narragansett Gas shall be set in this proceeding based on a revenue requirement of \$167,159,844, using a test-year ended December 31, 2011 and rate-year ending January 31, 2014, as detailed in Attachment 6.⁶ The gas revenue requirement was determined using a total rate base of \$372,504,484; pro forma test-year operating revenues of \$366,691,174; operating expenses (excluding the cost of gas) of \$129,651,590; income taxes of \$9,011,661; and an overall rate of return of 7.65 percent. The gas revenue requirement established by the Settling Parties allows for recovery of a revenue deficiency of \$11,292,567, which represents a reduction of \$8,659,636 from the original request for Narragansett Gas. The increase to rates results in an estimated increase of \$55.00 for the typical Narragansett Gas residential heating customer consuming 846 therms annually, or 4.9 percent on the total bill, as compared to the rates in effect October 1, 2012.

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1. Rate Base

(a) Calculation of Rate Base

The Settling Parties agree that rate base for Narragansett Gas shall be calculated to include capital additions approved in the ISR plans for Fiscal Year 2012 (Docket No. 4219), Fiscal Year 2013 (Docket No. 4306), and estimated Fiscal Year 2014 additions

⁶ Schedule A to this Settlement Agreement lists the attachments supporting this Settlement Agreement. Schedule A also provides a cross-reference to the bound volume that contains each respective attachment.

through January 31, 2014.⁷ The Narragansett Gas rate base shall also reflect the reserve for uninsured claims and the unamortized cost of the long-term debt issuance expense.

(b) Treatment of Deferred Taxes

The Settling Parties agree that the Narragansett Gas rate base includes a reduction for accumulated deferred income taxes, net of current income tax NOL receivables. Until the Company utilizes the NOL and receives the tax benefit from the IRS, thereby extinguishing the NOL receivable, the Company's NOL tax receivable shall be included in rate base. Effective from the date that the Company receives the tax benefit from the IRS, customers shall receive a rate-base credit through the Narragansett Gas ISR reconciliation mechanism. Similarly, if the Company is required to adjust its deferred taxes related to its capital-repairs tax deduction to reflect a settlement with the IRS, or an adverse determination by the IRS, the Company shall be entitled to recover the related impacts of such adjustment through its Narragansett Gas ISR reconciliation mechanism. When the IRS completes its review and renders a final determination on the Company's capital-repairs related tax deductions, the Company shall file a copy of the final determination with both the Commission and the Division.

2. Operating Expenses

(a) Uncollectible Accounts Expense

The Settling Parties agree that the recovery of distribution-related uncollectible-accounts expense shall be calculated using the Narragansett Gas actual five-year average of net write-offs as a percentage of revenues, or 3.18 percent. The actual, five-year average write-off rate of 3.18 percent shall also be used to calculate recovery of energy

⁷ Capital additions that are currently being recovered through the ISR will be included in rate base as of February 1, 2013, concurrent with the effective date of new base rates in this proceeding. Therefore, the capital-related portion of the ISR factor will be set to zero as of February 1, 2013.

efficiency and commodity-related uncollectible accounts expense (see Article III.C.1, below).

3. Return on Rate Base

(a) Capital Structure

The Settling Parties agree that the revenue requirement established by this Settlement Agreement for Narragansett Gas shall be set using the Company's actual consolidated capital structure as of June 30, 2012, adjusted to eliminate Goodwill and AOCI. The actual capital structure shall be further adjusted to include \$200 million of long-term debt to be issued pursuant to the separate settlement agreement entered into between the Division and the Company dated October 15, 2012, in Division Docket D-12-12.

(b) Cost of Long-Term Debt

The Settling Parties agree that the new long-term debt shall be pro-formed at an interest rate of 4.88 percent and debt expense estimated at 0.75 percent, or \$1.5 million. Upon completion of the debt issuance, the revenue requirement established by the Settlement Agreement shall be adjusted to use the actual weighted cost of long-term debt and debt expense after the new debt issuance. Unless the long-term debt issuance is completed prior to submission of the compliance filing implementing rates as a result of this Settlement Agreement, the Company shall make a filing to the Commission within 60 days of the completion of the issuance to adjust base rates to incorporate the actual debt rate and issuance costs in distribution rates. If the impact of incorporating the actual debt rate and issuance costs on Narragansett Gas' total cost of service is less than \$50,000, no filing will be required and no rate adjustments will be made.

(c) Return on Common Equity

The Settling Parties agree that the return on common equity shall be set at 9.5 percent.

(d) Weighted Average Cost of Capital

The computation of the weighted average cost of capital established by this Settlement Agreement, or 7.65 percent, is set forth in Attachment 6. The weighted average cost of capital set forth in Attachment 6, as adjusted pursuant to Article III.A.3.(b), above, shall be used for ratemaking purposes, including the ISR mechanism, until the next base-rate proceeding for Narragansett Gas.

B. Cost Allocation and Rate Design

1. Allocated Cost of Service

The Settling Parties agree, for the purpose of settlement in this proceeding, to use the allocated cost of service study initially filed by Narragansett Gas.

2. Rate Design and Revenue Allocation

The Settling Parties agree, for the purpose of settlement, that the Narragansett Gas rate design shall be the rate design initially filed, except as described below. The Settling Parties agree that the proposed customer charge for the residential heating class shall be \$13.00. The Settling Parties agree that the rate increase for the C&I Extra-Large Low Load Factor class should be reduced from the level proposed by Narragansett Gas to 3.79 percent. Narragansett Gas shall increase the non-heating rate class above the overall average for Narragansett Gas customer classes. Narragansett Gas shall update its bill-impact analysis in each rate class for this proceeding and in each subsequent base-rate proceeding to reflect actual mean usage for the test year.

3. Service to Dual-Fuel Customers

The Settling Parties agree that Narragansett Gas will cease separate tracking of revenue for dual-fuel customers who utilize its Firm Service rate schedules. Revenue requirements for dual-fuel customers who utilize the Firm Service rate schedules will be counted within the revenues of the respective Firm Service rate classifications.

The Settling Parties agree that, in the absence of an allocated cost of service study that properly reflects Narragansett Gas costs of providing service to Non-Firm Service customers, the annual revenue requirement for dual-fuel customers who use Non-Firm service shall be set at \$1.8 million. Only non-firm revenue shall be included for the purpose of calculating the Distribution Adjustment Clause (“DAC”) On-System Margin factor.

The Settling Parties agree that Narragansett Gas will continue to account for firm customers and non-firm dual-fuel customers that migrate from or to the firm to non-firm classes. The annual \$1.8 million threshold will be adjusted to reflect changes in the non-firm customer base. If a firm customer converts to non-firm service, Narragansett Gas will increase the threshold by the customer’s prior year’s historical usage multiplied by the applicable non-firm rate set forth in this Settlement Agreement. If a non-firm customer converts to firm service, Narragansett Gas will decrease the threshold by the non-firm customer’s forecasted rate-year usage multiplied by the applicable non-firm rate set forth in this Settlement Agreement.

In the absence of an allocated cost of service study, which includes Non-Firm Service as a separate class, the Settling Parties agree for the purpose of this settlement to design rates for Non-Firm gas transportation service based on a 20 percent discount from

the otherwise applicable Firm C&I rates excluding firm customer charges. Narragansett Gas also agrees that the non-firm rate increase shall be less than or equal 19 percent and shall not exceed 19 percent.

The Settling Parties agree that Narragansett Gas will submit an allocated cost of service study in its next base-rate proceeding, which details the allocations of its full costs of service to all classes with Non-Firm service shown as a separate class within the study, although no determination is made by this Settlement Agreement as to whether Narragansett Gas shall use the study for the purpose of designing rates in that case.

4. Firm Revenues

A large commercial and industrial customer in southern Rhode Island has proposed to install a large gas-fired combined heat and power project. In the event such project is constructed, 50 percent of any incremental revenues received by Narragansett Gas will be credited to firm customers through the annual reconciliation of the DAC until the next base-rate proceeding for Narragansett Gas.

5. Miscellaneous Corrections

The Settling Parties agree that the Company shall make all corrections identified during discovery in finalizing the allocated cost of service, revenue allocation and rate design.

6. Attachments

Attachment 7 sets forth the rate tariffs that will take effect for billings to customers of Narragansett Gas for usage on and after February 1, 2013. Attachments 8A through 8D provide the allocated cost of service study, rate design and bill impacts as of

February 1, 2013, for all rate classes, resulting from the implementation of the new distribution rates for Narragansett Gas.

C. Recovery Mechanisms Other than Base Rates

1. Commodity-Related Uncollectible Accounts Expense

The Settling Parties agree that the Company shall relinquish its proposal to recover commodity-related uncollectible accounts expense through a reconciling mechanism that allows for the recovery of actual expense. Pursuant to Article III.A.2.(a), above, the recovery of commodity-related uncollectible accounts expense shall be limited to the amount calculated by multiplying the actual, five-year average write-off rate of 3.18 percent times total commodity revenues in each calendar year.

2. Pension Adjustment Mechanism

The Settling Parties agree that the PAM currently in place for Narragansett Gas to recover pension and OPEB costs shall continue, but the Company shall transition to a fiscal year ending March 31 reconciliation period to align with the Company's financial reporting fiscal year. The Settling Parties further agree that the Company shall enhance the customer protections applicable to the existing PAM by contributing to the pension and OPEB plans at the Minimum Funding Obligation level, which is the amount of pension and OPEB costs collected from customers through base rates and the PAM, plus capitalized amounts of pension/OPEB cost. The Minimum Funding Obligation shall be contributed by the end of the quarter following the recognition of such costs. The Company shall also include a carrying charge in the PAM equal to the weighted average cost of capital, which shall be applied to any cumulative shortfall between the Minimum Funding Obligation and amounts contributed by the Company to the pension/OPEB

plans, including payments to the service companies for allocated pension/OPEB costs. The cumulative shortfall for carrying charge purposes shall be measured quarterly for each fiscal year, and a carrying charge on the five-quarter average shortfall, if any, shall be included in the subsequent PAM rate change. The Settling Parties agree that the Company shall design a uniform per therm charge for the Narragansett Gas PAM.

3. Property Tax Expense

The Settling Parties agree that the Company shall relinquish its request for a fully reconciling mechanism to recover property tax expense. In lieu of a reconciling mechanism to recover property tax expense, the Settling Parties agree to modify the method used to calculate recoverable property tax expense through the ISR.⁸ The adjustment is limited to property embedded in the Narragansett Gas rate-year rate base in this proceeding, along with eligible cumulative ISR net property additions not included in rate base in this proceeding.

In determining the base on which property tax expense is calculated for purposes of the ISR revenue requirement, the Company shall include an amount equal to the base-rate allowance for depreciation expense and depreciation expense on incremental ISR plant additions in the accumulated reserve for depreciation that is deducted from plant in service. The ISR property tax recovery will also include the impact of any changes in the Company's effective property tax rates on base-rate embedded property, plus cumulative ISR net additions. Property tax impacts associated with non-ISR plant additions are excluded from the property tax recovery calculation. Attachment 5 depicts the ISR

⁸ This Settlement Agreement also resolves the method of recovering property tax expenses through the ISR.

property tax recovery formula. The Company shall recover the allowable property tax expense from Narragansett Gas rate classes using a rate-base allocator.

4. Gas Growth – Revenue Decoupling Mechanism (“RDM”)

The Settling Parties agree that actual average rate-year customer data and actual rate year gas-growth capital investments will be used for purposes of establishing the Revenue Per Customer targets used in the calculation of the Narragansett Gas annual RDM for periods commencing February 1, 2013, or the effective date of base rates in this proceeding. Attachment 9 provides an illustrative calculation to be employed at the end of the rate year. As shown on this attachment, Narragansett Gas will calculate the difference between the forecasted gas-growth capital revenue requirement and the actual gas growth capital revenue requirement in the rate year. This difference shall be added to or subtracted from the total RDM class revenue requirement used to establish base rates in this proceeding. This adjusted total class revenue requirement will be divided by the actual average customer totals per rate class during the rate year to arrive at the class revenue per customer amount to be used in the calculation of RDM adjustments for all periods commencing February 1, 2013, and until new base rates are established for gas service. The method illustrated in Attachment 9 does not establish any precedent for the calculation of RDM adjustments subsequent to future gas base rate cases.

5. Other Non-Base Rate Mechanisms

The Settling Parties agree that this Settlement Agreement is not intended to change the operation of rate-recovery mechanisms that function outside of gas base rates to recover costs, except that filing dates shall be moved from June 30 of each year to March 31 of each year, as provided by tariff. Rate-recovery through these mechanisms

will continue in accordance with the tariffs approved and implemented with this Settlement Agreement.

D. Earnings Sharing Mechanism

The Settling Parties agree that Narragansett Gas shall continue to submit annual earnings reports showing its return on equity on intrastate earnings, but will move the reporting period to a fiscal year (April 1 through March 31). This reporting period aligns with the Company's fiscal year for financial reporting purposes. Copies will be filed with the Commission and the Division. Such filings shall be made no later than July 1 succeeding the end of the fiscal year. For purposes of these earnings reports, results will be adjusted to reflect established Commission ratemaking principles. However, there will be no adjustments to actual results to recognize or annualize known and measurable changes. Narragansett Gas shall use the capital structure and cost rates set forth in Article III.A.3 of this Settlement Agreement. The return on common equity will be calculated by dividing the net income available for common equity by the common equity applicable to rate base. The common equity applicable to rate base shall be calculated by multiplying the common equity ratio required by this subsection by rate base. Any accumulated earnings over the Narragansett Gas allowed return on equity of 9.5 percent, up to and including 100 basis points, shall be shared 50 percent with customers and 50 percent for Narragansett Gas. Any earnings over 100 basis points above the allowed return on equity of 9.5 percent shall be shared 75 percent with customers and 25 percent for Narragansett Gas. The Company's Annual Report to the Commission will reflect the same fiscal-year period, or the twelve months ended March 31.

ARTICLE IV: SETTLEMENT CONDITIONS

A. This Settlement Agreement is the result of negotiations among the Settling Parties. The discussions that have produced this Settlement Agreement have been conducted on the explicit understanding that all offers of settlement and discussions relating hereto are and shall be privileged, shall be without prejudice to the position of any party or participant presenting such offer or participating in any such discussion, and are not to be used in any manner in connection with these or other proceedings involving any one or more of the parties to this Settlement Agreement or otherwise. The agreement by a party to the terms of this Settlement Agreement shall not be construed as an agreement as to any matter of fact or law for any other purpose.

B. Unless expressly stated herein, the making of this Settlement Agreement establishes no principles and shall not be deemed to foreclose any Settling Party from making any contention in any other proceeding or investigation.

C. The Settling Parties submit this Settlement Agreement on the condition that it be approved in full by the Commission. In the event that the Commission (i) rejects this Settlement Agreement; (ii) fails to accept this Settlement Agreement as filed; or (iii) accepts this Settlement Agreement subject to conditions unacceptable to any party hereto, then this Settlement Agreement shall be deemed withdrawn and shall be null and void in all respects.

D. The Settling Parties recognize that the Commission has an ongoing obligation to modify rates to protect the public against improper and unreasonable rates, and that obligation cannot be precluded by a settlement agreement.

E. This Settlement Agreement may be signed in counterparts each of which shall be deemed an original and all of which together shall constitute one in the same document.

IN WITNESS WHEREOF, the parties agree that this Settlement Agreement is reasonable and have caused this document to be executed by their respective representatives, each being fully authorized to do so, as of this ~~13th~~^{19th} day of ~~November~~^{October}, 2012.

Respectfully submitted,

DIVISION OF PUBLIC UTILITIES AND CARRIERS
By its Attorney,

THE NARRAGANSETT ELECTRIC COMPANY D/B/A NATIONAL GRID
By its Attorneys,

Leo J. Wold
Assistant Attorney General

Celia B. O'Brien
Thomas R. Teehan

UNITED STATES DEPARTMENT OF THE NAVY
By its Attorney,

Ellen M. Evans
Senior Trial Attorney
Naval Litigation Office

SCHEDULE A

LIST OF ATTACHMENTS

<u>Attachment No.</u>	<u>Attachment Name</u>	<u>Book No.</u>
<u>Amended</u> Attachment 1	Narragansett Electric Cost of Service	Book 1
<u>Amended</u> Attachment 2	Electric Tariffs	Book 3
<u>Amended</u> Attachment 3A	(Electric) Class Cost of Service Study	Book 2
<u>Amended</u> Attachment 3B	Proposed (Electric) Distribution Revenue Allocation	Book 2
<u>Amended</u> Attachment 3C	Summary of Proposed Electric Service Rates	Book 2
<u>Amended</u> Attachment 3D	Proposed (Electric) Distribution Rate Design	Book 2
<u>Amended</u> Attachment 3E	Typical Bills and Street and Area Lighting Bill Impacts	Book 2
Attachment 4	Illustrative Electric Pension/OPEB Tracker Mechanism	Book 1
Attachment 5	Illustrative ISR Property Tax Recovery Calculation	Book 1
Attachment 6	Narragansett Gas Cost of Service	Book 1
Attachment 7	Gas Tariffs	Book 4
Attachment 8A	Gas Cost of Service Study - Summary	Book 2
Attachment 8B	Gas Cost of Service Study - Detail	Book 2
Attachment 8C	Proposed Gas Rate Design	Book 2
Attachment 8D	Bill Impact Analysis	Book 2
Attachment 9	Illustrative RDM Revenue per Customer Target Calculation	Book 1

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Amended Attachment 1

Narragansett Electric Cost of Service
(Schedule MDL-3-ELEC-S)

The Narragansett Electric Company d/b/a National Grid
Test Year Ended December 31, 2011

TABLE OF CONTENTS

Revenue Deficiency Summary	1
Revenue Requirement Calculation	2
Revenue Deficiency Summary- Recovery by Component	3
Operating Revenue Summary	4
Adjustments to Revenues	5
Cost of Service Summary	6
Summary of Operating Expenses by Component	7
<u>Operating and Maintenance Expense Adjustments:</u>	
Normalizing Adjustments to Other O & M Expenses	8
Other Normalizing Adjustments	9
O & M Labor Summary	10
O & M Labor By Category	11
O & M Labor Allocations	12
Normalizing Adjustments to O & M Labor	13
Pro Forma Labor Adjustments Summary	14
Union Pro Forma Wage Adjustments	15
Management Pro Forma Wage Adjustments	16
Weighted Labor Adjustment Factor Company Direct	17
Weighted Labor Adjustment Factor KeySpan Corporate Services	18
Weighted Labor Adjustment Factor KeySpan Utility Services	19
Weighted Labor Adjustment Factor National Grid USA Service Company	20
Variable Pay Adjustment	21
Union Goals Adjustment	22
Healthcare	23
401K Match	24
401K Pension Replacement Plan	25
Donations	26
Computer Software Expenses	27
Regulatory Assessments	28
Facilities	29
Uninsured Claims	30
Insurance Premiums	31
Insurance Premium Details	32
Payroll Taxes	33
Other Post-Employment Benefits (OPEB)	34
Pensions	35
Postage	36
Energy Efficiency O&M	37
Environmental Response and Storm Fund Recovery	38
Additional OPEX charges related to New Capital Work	39
Advertising	40
Transmission O&M - Integrated Facilities Arrangement	41
Transmission O&M Wheeling Costs NEP	42
Rate Case Expense	43
Consumer Advocate	44
Additional US Foundations Support Staff	45
Five Year Average of Uncollectibles Summary	46
Productivity and Efficiency Savings	47
Reallocation of Service Company Charges	48

The Narragansett Electric Company d/b/a National Grid
Test Year Ended December 31, 2011

TABLE OF CONTENTS

Paperless Billing Adjustment	49
Inflation Adjustment	50
Interest on Customer Deposits	51
Depreciation Expense	52
Analysis of Test Year Through Rate Year Capital Investment	53
Total Amortization	54
Regulatory Amortization	55
Amortization of Loss on Reacquired Debt	56
Amortization of Investment Tax Credits	57
Taxes Other than Income Taxes	58
Property Tax Expense	59
Income Tax Schedule	60
Capital Structure Summary	61
Weighted Average Cost of Debt	62
Distribution Rate Base Calculation	63
Test Year Rate Base - Distribution	64
Test Year Rate Base - Integrated Facilities Agreement (IFA)	65
Test Year Rate Base - Total Distribution and IFA	66
Plant in Service	67
Accumulated Depreciation	68
Other Rate Base Adjustments	69
Accumulated Deferred Income Taxes	70
Working Capital	71

**The Narragansett Electric Company d/b/a National Grid
Revenue Deficiency Summary
Test Year Ended December 31, 2011**

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)	(f)	(c) + (f) (g)
	<u>Test Year Books</u>	<u>Normalizing Adjustments</u>	<u>Adjusted Test Year Books</u>	<u>Pro Forma Adjustments</u>	<u>Rate Year Adjusted</u>	<u>Proposed Rate Increase</u>	<u>After Rate Increase</u>
1 Revenues	\$ 809,554,121	\$ 9,648,547	\$ 819,202,668	\$ 3,725,866	\$ 822,928,534	\$ 21,508,229	\$ 844,436,763
2							
3 Purchased Power & Other Reconciling Expense	574,060,882	6,118,882	580,179,764	3,725,866	583,905,630		583,905,630
4							
5 Net Distribution Revenues	<u>\$ 235,493,239</u>	<u>\$ 3,529,665</u>	<u>\$ 239,022,904</u>	<u>\$ -</u>	<u>\$ 239,022,904</u>		<u>\$ 260,531,133</u>
6							
7 Operation & Maintenance Expense	239,234,490	(118,539,823)	120,694,667	2,617,158	123,311,825	231,353	123,543,178
8							
9 Depreciation	48,428,228	(6,529,533)	41,898,695	3,087,296	44,985,990		44,985,990
10							
11 Amortization	617,200	722,539	1,339,739	(609,998)	729,741		729,741
12							
13 Gross Receipts Tax	30,674,656	(30,674,656)	-	-	-		-
14							
15 Taxes Other Than Income	35,375,758	(5,756,323)	29,619,434	5,944,169	35,563,603		35,563,603
16							
17 Interest on Customers Deposits	-	-	-	160,814	160,814		160,814
18							
19 Operating Income Before Income Taxes	<u>\$ (118,837,093)</u>	<u>\$ 164,307,462</u>	<u>\$ 45,470,369</u>	<u>\$ (11,199,439)</u>	<u>\$ 34,270,930</u>	<u>\$ 21,276,876</u>	<u>\$ 55,547,806</u>
20							
21 Income Taxes			10,679,985	(3,447,524)	7,232,461	7,446,907	14,679,368
22							
23 Operating Income After Income Taxes			<u>\$ 34,790,384</u>	<u>\$ (7,751,915)</u>	<u>\$ 27,038,469</u>	<u>\$ 13,829,969</u>	<u>\$ 40,868,438</u>
24							
25 Rate Base			\$ 531,936,315		\$ 561,379,652		\$ 561,379,652
26							
27 Rate Of Return			6.54%		4.82%		7.28%
28							
29 Cost of Capital			7.28%				7.28%
30							
31			<u>0.74%</u>				<u>0.00%</u>

Line Notes

- 1 From Page 4 of 71, Line 36
- 3 From Page 6 of 71, Line 12
- 5 Line 1 - Line 3
- 7 From Page 6 of 71, Line 14
- 9 From Page 6 of 71, Line 20
- 11 From Page 6 of 71, Line 21
- 13 From Page 6 of 71, Line 22
- 15 From Page 6 of 71, Line 23
- 17 From Page 6 of 71, Line 25
- 19 Line 5 - the sum of Lines 7 to Line 16
- 21 From Page 60 of 71, Line 17
- 23 Line 19 - Line 21
- 25 From Page 63 of 71, Line 21
- 27 Line 23 / Line 25
- 29 From Page 61 of 71, Line 9
- 31 Line 27 - Line 29

The Narragansett Electric Company d/b/a National Grid
Revenue Requirement Calculation
Test Year Ended December 31, 2011

1	<u>Revenue Requirement Calculation</u>		<u>Total</u>
2	Rate Base	\$	561,379,652
3	Rate of Return		4.82%
4	Required Return		7.28%
5			
6	Required Operating Income		40,868,439
7	Operating Income After Taxes		27,038,469
8	Shortfall/(Excess)	\$	<u>13,805,787</u>
9			
10	Gross up Factor for Taxes		1.5579
11			
12	Revenue/(Excess) Requirement	\$	<u>21,508,229</u>
13			
14			
15	Gross Up Factor Calculation		
16	Uncollectibles		
17	<hr/>		
18	Federal Income Taxes @ 35%		
19	<hr/>		
20	Net		
	Gross Up Factor		

Line Notes

- 2 From Page 63 of 71, Line 21(c)
- 3 From Page 1 of 71, Line 27(e)
- 4 From Page 61 of 71, Line 9 (c)
- 6 Line 2 x Line 4
- 7 From Page 1 of 71, Line 23 (e)
- 8 Line 6 - Line 7
- 10 Line 20
- 12 Line 8 x Line 10
- 16 From Page 46 of 71, Line 10
- 17 Line 15 - Line 16
- 18 -Line 17 x federal income tax rate of 35%
- 19 Line 17 + Line 18
- 20 Line 15 / Line 19

The Narragansett Electric Company d/b/a National Grid
Revenue Deficiency Summary- Recovery by Component
Test Year Ended December 31, 2011

	(a) = sum (b)-(j)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Total	Base Revenues		Late Payment	Revenue	Infrastructure, Safety and Reliability (CapEx)	Other Revenue ¹	Commodity Related		Energy Efficiency
		Base Rates	Storm Recovery Provision	& Other Fees	Decoupling Adj			Administrative	Commodity	Uncollectibles
1 Revenues	\$ 822,928,534	\$ 233,433,096		\$ 8,146,620	\$ (6,018,564)	\$ 3,461,752	\$ 151,643,096	\$ 6,582,222	\$ 376,831,161	\$ 48,849,151
2 Purchased Power and Other Reconciling Expense	583,905,630						151,643,096	6,582,222	376,831,161	48,849,151
3										
4 Base Distribution	239,022,904	233,433,096	-	8,146,620	(6,018,564)	3,461,752	-	-	-	-
5										
6 Operation & Maintenance Expense	123,543,178	122,932,564								610,614
7										
8 Depreciation	44,985,990	44,985,990								
9										
10 Amortization	729,741	729,741								
11										
12 Gross Receipts Tax	-	-								
13										
14 Taxes Other Than Income	35,563,603	35,563,603								
15										
16 Interest on Customers Deposits	160,814	160,814								
17										
18 Income Taxes	14,679,368	14,679,368								
19										
20 Rate Base	561,379,652	561,379,652								
21										
22 Cost of Capital	7.28%	7.28%								
23										
24 Return on Rate Base	40,868,439	40,868,439								
25										
26 Total Revenue Requirement	\$ 260,531,134	\$ 259,920,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 610,614
27										
28 Reallocation/Adjustments										
29										
30 CapEx	-	-								
31										
32 Late Payment Charges & Other Fees	-	(8,146,620)		8,146,620						
33										
34 Storm Cost Recovery	-	-								
35										
36 RDM	-	-								
37										
38 Sub-total Reallocation/Adjustments	-	(8,146,620)		8,146,620						
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The Narragansett Electric Company d/b/a National Grid
Operating Revenue Summary
Test Year Ended December 31, 2011

Description	(a)	(b)	(a) + (b)	(d)	(c) + (d)
	Test Year Books	Normalizing Adjustments	(c) Test Year Adjusted	Pro Forma Adjustments	(e) Rate Year
1					
2 Customer	\$ 47,878,742	\$ (736,152)	\$ 47,142,590	\$ 297,204	\$ 47,439,794
3 Distribution	193,411,625	(9,847,184)	183,564,441	2,428,861	185,993,302
4 ISR Cap Ex	500,661	2,895,838	3,396,499	65,253	3,461,752
5 SOS Admin	(6,582,222)	6,582,222	-	-	-
6 ISR O & M	(6,423,732)	6,423,732	-	-	-
7 RDM	(1,438,455)	(1,788,791)	(3,227,246)	(2,791,318)	(6,018,564)
8					
9 Total Base Distribution Revenues	<u>\$ 227,346,619</u>	<u>\$ 3,529,665</u>	<u>\$ 230,876,284</u>	<u>\$ -</u>	<u>\$ 230,876,284</u>
10					
11					
12 Other Distribution Revenues:					
13 Forfeited Discounts - Electric	1,474,450	-	1,474,450	-	1,474,450
14 Misc Service Revenue - Electric	805,548	-	805,548	-	805,548
15 Rent from Electric Property	4,405,990	-	4,405,990	-	4,405,990
16 Other Electric Revenue - Misc	1,460,632	-	1,460,632	-	1,460,632
17 Other Electric Revenue - Credit	-	-	-	-	-
18 Energy Efficiency Uncollectibles	-	-	-	-	-
19 Subtotal Distribution Revenue	<u>\$ 235,493,239</u>	<u>\$ 3,529,665</u>	<u>\$ 239,022,904</u>	<u>\$ -</u>	<u>\$ 239,022,904</u>
20					
21 Other Delivery and Commodity Revenue:					
22 SO Admin	6,582,222	-	6,582,222	-	6,582,222
23 ISR O & M	6,423,732	3,917,660	10,341,392	155,785	10,497,177
24 Transmission	118,067,241	13,815,857	131,883,098	2,490,312	134,373,410
25 Transmission Related Uncollectible Revenue	1,116,199	88,715	1,204,914	70,182	1,275,096
26 CTC (Transition)	(101,333)	4,957,163	4,855,830	91,914	4,947,744
27 Commodity	376,831,161	-	376,831,161	-	376,831,161
28 Energy Efficiency	34,591,429	13,350,261	47,941,690	907,461	48,849,151
29 LTCRER	-	539,457	539,457	10,212	549,669
30 Gross Receipts Tax	30,550,231	(30,550,231)	-	-	-
31					
32 Total Other Operating Revenues	<u>\$ 574,060,882</u>	<u>\$ 6,118,882</u>	<u>\$ 580,179,764</u>	<u>\$ 3,725,866</u>	<u>\$ 583,905,630</u>
33					
34					
35					
36 Total Operating Revenues	<u>\$ 809,554,121</u>	<u>\$ 9,648,547</u>	<u>\$ 819,202,668</u>	<u>\$ 3,725,866</u>	<u>\$ 822,928,534</u>

Line/Column Notes

Column(a)	From Company Books
Column (b)	From Page 5 of 71, Column (a)
Column(d)	From Page 5 of 71, Column (b)
9	Sum of Line 2 through Line 7
19	Sum of Line 9 through Line 17
33	Sum of Line 21 through Line 18
37	Line 19 + Line 32

The Narragansett Electric Company d/b/a National Grid
Adjustments to Revenues
Test Year Ended December 31, 2011

		(a)	(b)
		Normalizing	Pro Forma
		Adjustments	Adjustments
1	Adjustments to Operating Revenues		
2	Electric Revenue Adjustments:		
3	Customer	\$ (736,152)	\$ 297,204
4	Distribution	(9,847,184)	2,428,861
5	ISR Cap Ex	2,895,838	65,253
6	SOS Admin	6,582,222	-
7	ISR O & M	6,423,732	-
8	RDM	(1,788,791)	(2,791,318)
9	Total Base Distribution Revenue Adjustments	<u>\$ 3,529,665</u>	<u>\$ -</u>
10			
11			
12	Other Distribution Revenues:		
13	Forfeited Discounts - Electric	-	-
14	Misc Service Revenue - Electric	-	-
15	Rent from Electric Property	-	-
16	Other Electric Revenue - Misc	-	-
17	Other Electric Revenue - Credit	-	-
18			
19	Subtotal Distribution Revenue	<u>\$ 3,529,665</u>	<u>\$ -</u>
20			
21	Other Delivery and Commodity Revenue:		
22	SO Admin	-	-
23	O & M	3,917,660	155,785
24	Transmission	13,815,857	2,490,312
25	Transmission Related Uncollectible Revenue	88,715	70,182
26	CTC (Transition)	4,957,163	91,914
27	Commodity	-	-
28	Energy Efficiency	13,350,261	907,461
29		539,457	10,212
30	Gross Receipts Tax	(30,550,231)	-
31			
32			
33	Total Other Operating Revenues	<u>\$ 6,118,882</u>	<u>\$ 3,725,866</u>
34			
35			
36			
37	Total Operating Revenues	<u>\$ 9,648,547</u>	<u>\$ 3,725,866</u>

Line Notes

- 1-8 From Company books
- 9 Sum of Line 2 through Line 8
- 13-17 From Company books
- 19 Sum of Line 9 through Line 18
- 22-30 From Company books
- 33 Sum of Line 21 through Line 31
- 37 Line 19 + Line 33

The Narragansett Electric Company d/b/a National Grid
Cost of Service Summary
Test Year Ended December 31, 2011

<u>Description</u>	(a)	(b)	(a)+(b) (c)	(d)	(c) + (d) (e)
	<u>Test Year</u> <u>Books</u>	<u>Normalizing</u> <u>Adjustments</u>	<u>Adjusted</u> <u>Test Year</u> <u>Books</u>	<u>Pro Forma</u> <u>Adjustments</u>	<u>Adjusted</u> <u>Rate Year</u> <u>Books</u>
1 Purchased Power	\$ 376,831,161		\$ 376,831,161		\$ 376,831,161
2					
3 SO Administration	6,582,222		6,582,222	-	6,582,222
4 O & M	6,423,732	3,917,660	10,341,392	155,785	10,497,177
5 Transmission	118,067,241	13,815,857	131,883,098	2,490,312	134,373,410
6 Transmission Related Uncollectible Revenue	1,116,199	88,715	1,204,914	70,182	1,275,096
7 CTC (Transition)	(101,333)	4,957,163	4,855,830	91,914	4,947,744
8 Energy Efficiency	34,591,429	13,350,261	47,941,690	907,461	48,849,151
9 LTCRER	-	539,457	539,457	10,212	549,669
10 GET	30,550,231	(30,550,231)	-	-	-
11 Energy Efficiency Uncollectible					-
12 Total Commodity & Other Reconciling Costs	\$ 574,060,882	\$ 6,118,882	\$ 580,179,764	\$ 3,725,866	\$ 583,905,630
13					
14 Other Operation and Maintenance Expenses	239,234,490	(118,539,823)	120,694,667	2,617,158	123,311,825
15 Uncollectibles on Proposed Rate Increase				231,353	231,353
16					
17 Total Operation & Maintenance Expenses	\$ 239,234,490	\$ (118,539,823)	\$ 120,694,667	\$ 2,848,511	\$ 123,543,178
18					
19					
20 Depreciation Expense	48,428,228	(6,529,533)	41,898,695	3,087,296	44,985,990
21 Amortization	617,200	722,539	1,339,739	(609,998)	729,741
22 Gross Receipts Tax	30,674,656	(30,674,656)	-	-	-
23 Taxes Other Than Income	35,375,758	(5,756,323)	29,619,434	5,944,169	35,563,603
24 Federal Income Tax			10,679,985	3,999,383	14,679,368
25 Interest on Customer Deposits			-	160,814	160,814
26 Operating Income After Taxes			34,790,384	6,078,054	40,868,438
27					
28					
29 Total Cost of Service			\$ 819,202,668	\$ 25,234,095	\$ 844,436,763

Line Notes

1(a)-10(d)	From Company Books
12	Sum of Lines 1 through Line 10
14	Page 7 of 71, Line 33
15	From Page 1 of 71, Line 7(f)
17	Line 14 + Line 15
20(a)	From Page 52 of 71, Line 2
20(b)	From Page 52 of 71, Line 3 + Line 4
20(d)	From Page 52 of 71, Line 6
21	From Page 54 of 71, Line 10
22	From Page 58 of 71, Line 13
23	From Page 58 of 71, Line 10
24(c)	From Page 60 of 71, Line 17(b)
24(d)	Line 26(e) - Line 26(c)
24(e)	From Page 60 of 71, Line 17(c)
25	From Page 51 of 71, Line 5
26(c)	From Page 1 of 71, Line 23(c)
26(d)	From Page 1 of 71, Line 23(d) Plus Line 7(f)
29	Line 12 + Line 17 + Sum of Lines 20 Through 26

The Narragansett Electric Company d/b/a National Grid
Summary of Operating Expenses by Component
Test Year Ended December 31, 2011

Reference	Raw Data	Reclassifications	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(c) Adjusted Books Year Ended December 31, 2011	(d) Pro Forma Adjustments	(e) Rate Year Adjusted
Operation & Maintenance Expenses							
1	Purchased Power	Page 6 of 71	\$ 376,831,161	\$ -	\$ 376,831,161	\$ -	\$ 376,831,161
2							
3	Labor	Page 10 of 71	48,457,076	838,948	49,296,024	(9,294,058)	38,177,100
4	Healthcare	Page 23 of 71	6,023,664	-	6,023,664	(428,290)	5,995,024
5	401K Match	Page 24 of 71	1,099,312	(3,023)	1,096,289	(134,243)	858,397
6	401K Match Pensions	Page 25 of 71	-	3,023	3,023	3,023	178,575
7	Donations	Page 26 of 71	-	-	401,142	401,142	401,142
8	Computer Software	Page 27 of 71	2,005,826	1,734,042	3,739,868	(118,592)	5,591,668
9	Regulatory Assessments	Page 28 of 71	3,010,201	(1,118)	3,009,083	(93,768)	1,077,066
10	Facilities	Page 29 of 71	691,054	2,055,169	2,746,223	(293,966)	2,452,257
11	Uninsured Claims	Page 30 of 71	2,480,624	-	2,480,624	(76,333)	2,404,291
12	Insurance Premiums	Page 31 of 71	964,719	5,863	970,582	696	971,278
13	Payroll Taxes	Page 33 of 71	414,744	-	414,744	(32,015)	382,729
14	OPEB	Page 34 of 71	8,977,300	-	8,977,300	(558,792)	8,418,508
15	Pensions	Page 35 of 71	9,258,180	-	9,258,180	(699,569)	8,558,611
16	Postage	Page 36 of 71	1,613,810	401,055	2,014,865	(488)	2,014,377
17	Energy Efficiency O&M	Page 37 of 71	34,495,893	-	34,495,893	(34,495,893)	-
18	Environmental Response Fund	Page 38 of 71	3,078,000	-	3,078,000	-	3,078,000
19	Storm Fund	Page 38 of 71	-	-	-	-	443,103
20	Temporary 5 year Storm Fund Contribution	Page 38 of 71	-	-	-	-	3,000,000
21	Additional OPEX related to additional CAPEX	Page 39 of 71	-	-	-	-	424,454
22	Advertising	Page 40 of 71	65,321	145,528	210,849	(146,168)	64,681
23	Transmission O&M-Integrated Facilities Arrangement	Page 41 of 71	(52,986,986)	-	(52,986,986)	-	-
24	Transmission O&M-Wheeling Costs-NEP	Page 42 of 71	117,809,444	-	117,809,444	(117,809,444)	-
25	Rate Case Expense	Page 43 of 71	-	-	-	-	258,125
26	Consumer Advocate	Page 44 of 71	-	-	-	0	0
27	Additional US Foundations Support Staff	Page 45 of 71	-	-	-	120,163	120,163
28	Uncollectibles - Commodity	Page 46 of 71	-	-	4,792,667	(4,792,667)	-
29	Uncollectibles - Transmission	Page 46 of 71	-	-	1,663,600	(1,663,600)	-
30	Uncollectibles - Conservation	Page 46 of 71	-	-	599,271	11,343	610,614
31	Uncollectibles - Delivery	Page 46 of 71	11,314,819	-	11,314,819	(8,238,900)	3,075,919
32	Productivity & Efficiency Savings	Page 47 of 71	-	-	-	(2,627,184)	(2,627,184)
33	Reallocation of Service Company Costs	Page 48 of 71	-	-	-	4,514,843	4,514,843
34	Paperless Billing Adjustment	Page 49 of 71	-	-	-	207,038	207,038
35	Other O & M Expenses Subject to Inflation	Page 50 of 71	37,211,488	(5,179,487)	32,032,001	(6,563,666)	25,468,336
36	Company Share of Net Merger Synergies		-	-	3,250,000	-	3,250,000
37	Total Other Operation and Maintenance Expenses		\$ 235,984,490	\$ 0	\$ 239,234,490	\$ (118,539,823)	\$ 120,694,667
						\$ 2,617,158	\$ 123,311,825

Line Notes

36 Sum of Line 3 through Line 36

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Normalizing Adjustments to Other O & M Expenses

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Total Test Year Per Books	Integrated Facilities Agreement	Vegetation Management	Inspection and Maintenance	Storm Costs	Expatriate Expenses	Costs of Savings Initiatives	Other	Total Normalizing Adjustments	Adjusted Books Year Ended December 31, 2011
1	\$ 376,831,161									\$ 376,831,161
2										
3										
4	49,296,024	(316,868)	(232,806)	(659,488)	(7,217,809)	(302,330)	(843,052)	(24,034)	(9,294,058)	40,001,966
5	6,023,664	(125,960)			(302,330)				(428,290)	5,595,374
6	1,096,289	(27,940)			(106,303)				(134,243)	962,046
7	3,023								0	3,023
8	3,739,868	(37,664)	(274)		(22,236)		(558,259)	401,142	401,142	401,142
9	3,009,083	(93,768)						(159)	(118,592)	3,621,276
10	2,746,223	(19,154)							(93,768)	2,915,315
11	2,480,624	(76,333)							(293,966)	2,452,257
12	970,582	(27,615)							(76,333)	2,404,291
13	414,744	(8,625)						28,311	696	971,278
14	8,977,300	(227,012)			(23,390)	(331,780)			(32,015)	382,729
15	9,238,180	(226,151)			(473,418)				(558,792)	8,418,508
16	2,014,865	(488)							(699,569)	8,558,611
17	34,495,893								(488)	2,014,377
18	3,078,000								(34,495,893)	3,078,000
19										
20										
21										
22	210,849	(4,871)						(141,297)	(146,168)	64,681
23	(52,986,986)	52,986,986							52,986,986	-
24	117,809,444							(117,809,444)	(117,809,444)	-
25										
26										
27										
28	11,314,819									4,792,667
29	\$3,250,000									1,663,600
30	\$ 207,202,488	\$ 51,794,537	\$ (233,081)	\$ (659,488)	\$ (8,477,266)	\$ -	\$ (938,941)	\$ (153,461,918)	\$ (111,976,157)	\$ 95,226,331
31										
32										
33										
34	149,623	(2,950)								146,673
35	37,713,205	(100,820)	(4,445,582)	(194,500)	(23,483,751)	(155,456)	(\$136,385)	(\$84,807)	(2,950)	9,111,903
36	4,576,593	(15,236)	(469)	(155,046)	(1,586,484)		(\$11,985)	(12,788)	(28,601,302)	2,794,586
37	382,442	(38,034)		(2,112)	(24,257)		(\$1,410)	(50,874)	(1,782,007)	265,755
38	6,403,551	(190,911)	(7,722)	(5,734)	(773,366)	(3,201)	(\$25,650)	(52,798)	(116,687)	5,344,188
39	(26,659,965)	(233,774)	(4,237)	(12,130)	32,055,832	(28,790)	(\$770,251)	(\$3,488,559)	(1,059,363)	858,126
40	5,996,619	(155,311)			(104,973)		(\$2,060,973)	(79,228)	(2,400,486)	3,596,133
41	3,469,933	(3,460)		(21,101)	(100,726)	9,642	(\$17)	(\$3,300)	(118,962)	3,350,971
42		(740,496)	(4,479,111)	(470,248)	6,092,643	(187,447)	(3,006,652)	(3,772,354)	(6,563,666)	25,468,336
43										
44	\$ 239,234,490	\$ 51,054,041	\$ (4,712,192)	\$ (1,129,737)	\$ (2,384,624)	\$ (187,447)	\$ (3,945,593)	\$ (157,234,272)	\$ (118,539,823)	\$ 120,694,667

Column/Line Notes

- Column (i) = Sum of Columns (b) through (h)
- Column (j) = Column (i) plus Column (e)
- 30 Sum of Line 4 through Line 29
- 42 Sum of Lines 34 through Line 41
- 44 Line 30 + Line 42

The Narragansett Electric Company d/b/a National Grid
Revenue Deficiency Summary
Test Year Ended December 31, 2011
Other Normalizing Adjustments

1	<u>Other Normalizing Labor Adjustments</u>	\$	(24,034)
2			
3	<u>Elimination of costs recovered outside of Base Rates :</u>		
4	Energy Efficiency		(34,458,263)
5	Transmission O&M-Wheeling Costs-NEP		(117,809,444)
6	Commodity Related Uncollectible Expense		4,792,667
7	Transmission Related Uncollectible Expense		1,663,600
8	Conservation Related Uncollectible Expense (Energy Efficiency)		599,271
9		\$	<u>(145,212,169)</u>
10	<u>Elimination of Non-recoverable costs:</u>		
11	Branding and Promotional non-recoverable advertising expenses		(141,297)
12	Remove NYPS&C Service Company Allocation audit Costs		(50,874)
13	Non recoverable project expenses		(174,193)
14	Band A expenses and other employees expenses		(62,104)
15		\$	<u>(428,468)</u>
16	<u>Out of period costs:</u>		
17	Contractor Services		(110,106)
18	Ernst & Young Service Company Allocation Adjustment		(630,168)
19	Sutton, MA CDC		(214,440)
20	Lock Box Fees		(169,762)
21	Write Off of old work orders		(907,052)
22	DOT Billing Dispute		(400,000)
23	ISO response program		(58,606)
24	Reallocation of 2010 Collection Expenses		(80,115)
25	Service Company Tax Adjustment		(262,325)
26	Out of period Merger CTA costs		(126,497)
27	Insurance 2007 Tax Accrual		28,311
28		\$	<u>(2,930,760)</u>
29			
30	<u>Other:</u>		
31	Reclassification of Rate Case expense related to Docket 4065 to amortization expense		(343,632)
32	Reclassification of Merger CTA to amortization expense		(397,079)
33	Reclassification of Donations to O&M expenses		401,142
34	Delivery Related Uncollectible Expense		(8,238,900)
35	Remove Westborough facilities costs		(60,372)
36		\$	<u>(8,638,842)</u>
37			
38	Total Other O&M Normalizing Adjustments	\$	<u><u>(157,234,272)</u></u>

Line Notes

38 From Page 8 of 71, Line 44 (h)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
O & M Labor Summary

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	\$ 23,528,661	\$ (4,292,067)	\$ 19,236,594	\$ 2,196,338	\$ 21,432,932
2 KeySpan Corporate Services	4,903,247	(472,137)	4,431,110	(1,216,893)	3,214,217
3 KeySpan Utility Services	64,782	(1,214)	63,568	(6,471)	57,097
4 National Grid USA Service Co	21,633,784	(5,659,043)	15,974,741	(2,797,840)	13,176,901
5 Other	(834,450)	1,130,403	295,954	-	295,954
6 Total	<u>\$ 49,296,024</u>	<u>\$ (9,294,058)</u>	<u>\$ 40,001,966</u>	<u>\$ (1,824,866)</u>	<u>\$ 38,177,100</u>

Line Notes

- 1(a)-5(a) From Company Books
- 1(b)-5(b) From Page 13 of 71, Line 56 through Line 61
- 1(c)-5(c) Column (a) + Column (b)
- 1(d)-5(d) From Page 14 of 71, Line 33, Column (c) through Line 41, Column (c)
- 1(e)-5(e) Column (c) + Column (d)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
O & M Labor By Category

	(a) Company Direct	(b) KeySpan Corporate	(c) KeySpan Utility	(d) National Grid USA	(e) Other	(f) Total	
<u>Test Year Books</u>							
1	Variable Pay	1,593,801	1,347,946	10,349	5,375,366	(2,294,079)	6,033,383
2	Labor - Management OT	301,395	69,939	-	1,518,840	146,683	2,036,857
3	Labor - Management	946,402	2,753,384	35,334	9,410,253	50,937	13,196,310
4	Labor - OT Union	5,743,900	157,408	-	881,162	800,903	7,583,373
5	Labor - Union	10,918,416	130,234	11,816	2,182,683	318,256	13,561,405
6	Paid Absence and Vacation	4,024,747	444,336	7,283	2,265,480	142,850	6,884,696
7	Total	23,528,661	4,903,247	64,782	21,633,784	(834,450)	49,296,024
8							
9	<u>Normalizing Adjustments</u>						
10	Variable Pay	(1,002,772)	(22,551)	(175)	(2,651,876)	2,294,384	(1,382,990)
11	Labor - Management OT	(150,870)	(64,638)	-	(1,033,934)	(95,178)	(1,344,620)
12	Labor - Management	(71)	(106,837)	(685)	(756,582)	(17,996)	(882,171)
13	Labor - OT Union	(2,796,336)	(152,844)	-	(705,669)	(732,678)	(4,387,527)
14	Labor - Union	(255,760)	(81,967)	(273)	(147,921)	(227,795)	(713,716)
15	Paid Absence and Vacation	(86,257)	(43,300)	(81)	(363,062)	(90,333)	(583,033)
16	Total	(4,292,067)	(472,137)	(1,214)	(5,659,043)	1,130,403	(9,294,058)
17							
18	<u>Adjusted Test Year Books</u>						
19	Variable Pay	591,029	1,325,395	10,174	2,723,490	305	4,650,393
20	Labor - Management OT	150,525	5,301	-	484,906	51,505	692,237
21	Labor - Management	946,331	2,646,547	34,649	8,653,671	32,940	12,314,139
22	Labor - OT Union	2,947,564	4,564	-	175,493	68,225	3,195,846
23	Labor - Union	10,662,656	48,267	11,543	2,034,762	90,461	12,847,689
24	Paid Absence and Vacation	3,938,490	401,036	7,202	1,902,418	52,517	6,301,663
25	Total	19,236,594	4,431,110	63,568	15,974,741	295,954	40,001,966

Line Notes

- 1-6 From Company Books
- 7 Sum of Line 1 through Line 6
- 10-15 From Page 13 of 71, Line 56 through Line 61
- 16 Sum of Line 10 through Line 15
- 19 Sum of Line 1 and Line 10
- 20 Sum of Line 2 and Line 11
- 21 Sum of Line 3 and Line 12
- 22 Sum of Line 4 and Line 13
- 23 Sum of Line 5 and Line 14
- 24 Sum of Line 6 and Line 15
- 25 Sum of Line 19 through Line 24

Column Notes

- (f) Sum of Column (a) through Column (e)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
O & M Labor Allocations

	(a) Company Direct	(b) KeySpan Corporate	(c) KeySpan Utility	(d) National Grid USA	(e) Other	(f) Total
Union Labor						
Total Union & Mgmt Labor Cost	\$ 14,707,076	\$ 2,704,679	\$ 46,192	\$ 11,348,832	\$ 243,132	\$ 29,049,910
Labor Union						
Labor - Union	\$ 10,662,656	\$ 48,267	\$ 11,543	\$ 2,034,762	\$ 90,461	\$ 12,847,689
Labor - OT Union	\$ 2,947,564	\$ 4,564	\$ -	\$ 175,493	\$ 68,225	\$ 3,195,846
Total Labor Union	\$ 13,610,220	\$ 52,831	\$ 11,543	\$ 2,210,255	\$ 158,686	\$ 16,043,535
Paid Absence & Vacation	\$ 3,938,490	\$ 401,036	\$ 7,202	\$ 1,902,418	\$ 52,517	\$ 6,301,663
Union Allocation %	92.54%	1.95%	24.99%	19.48%	65.27%	
Total PAV	\$ 3,644,756	\$ 7,834	\$ 1,800	\$ 370,508	\$ 34,277	\$ 4,059,175
Variable Pay	\$ 591,029	\$ 1,325,395	\$ 10,174	\$ 2,723,490	\$ 305	\$ 4,650,393
Union Allocation %	92.54%	1.95%	24.99%	19.48%	65.27%	
Total Union Goals	\$ 546,950	\$ 25,889	\$ 2,542	\$ 530,416	\$ 199	\$ 1,105,996
Salaries and Wages	\$ 17,254,976	\$ 60,665	\$ 13,343	\$ 2,580,763	\$ 192,963	\$ 20,102,710
DSM Wages	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Veg Management Wages	\$ -	\$ -	\$ -	\$ -	\$ (173)	\$ (173)
I & M Wages	\$ 413,926	\$ -	\$ -	\$ 93,834	\$ 22,066	\$ 529,826
IFA Wages	\$ 444,046	\$ 4,227	\$ 296	\$ 540,532	\$ 24,741	\$ 1,013,842
Union Goals	\$ 546,950	\$ 25,889	\$ 2,542	\$ 530,416	\$ 199	\$ 1,105,996
DSM Union Goals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Veg Management Union Goals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
I & M Union Goals	\$ 22,224	\$ -	\$ -	\$ 22,377	\$ 1,165	\$ 45,766
IFA Union Goals	\$ 38,244	\$ 819	\$ 50	\$ 117,226	\$ (2,122)	\$ 154,127
Grand Total Union	\$ 18,720,366	\$ 91,600	\$ 16,231	\$ 3,885,148	\$ 238,748	\$ 22,952,093
Management Labor						
Total Union & Mgmt Labor Cost	\$ 14,707,076	\$ 2,704,679	\$ 46,192	\$ 11,348,832	\$ 243,132	\$ 29,049,910
Labor Management						
Labor Management OT	\$ 150,525	\$ 5,301	\$ -	\$ 484,906	\$ 51,505	\$ 692,237
Labor Management	\$ 946,331	\$ 2,646,547	\$ 34,649	\$ 8,653,671	\$ 32,940	\$ 12,314,139
Total Labor Management	\$ 1,096,856	\$ 2,651,847	\$ 34,649	\$ 9,138,577	\$ 84,445	\$ 13,006,376
Paid Absence & Vacation	\$ 3,938,490	\$ 401,036	\$ 7,202	\$ 1,902,418	\$ 52,517	\$ 6,301,663
Management Allocation %	7.46%	98.05%	75.01%	80.52%	34.73%	
Total PAV	\$ 293,733	\$ 393,203	\$ 5,402	\$ 1,531,911	\$ 18,240	\$ 2,242,489
Variable Pay	\$ 591,029	\$ 1,325,395	\$ 10,174	\$ 2,723,490	\$ 305	\$ 4,650,393
Management Allocation %	7.46%	98.05%	75.01%	80.52%	34.73%	
Total Variable Pay	\$ 44,079	\$ 1,299,506	\$ 7,632	\$ 2,193,074	\$ 106	\$ 3,544,297
Salaries and Wages	\$ 1,390,589	\$ 3,045,050	\$ 40,051	\$ 10,670,488	\$ 102,685	\$ 15,248,865
DSM Wages	\$ 369,128	\$ 561,024	\$ -	\$ 1,624,408	\$ -	\$ 2,554,560
Veg Management Wages	\$ 2,153	\$ -	\$ -	\$ 230,254	\$ (121)	\$ 232,286
I & M Wages	\$ 7,252	\$ -	\$ -	\$ 61,517	\$ -	\$ 68,769
IFA Wages	\$ 65,229	\$ 76,743	\$ 743	\$ 1,487,486	\$ 118,186	\$ 1,748,387
Variable Pay	\$ 44,079	\$ 1,299,506	\$ 7,632	\$ 2,193,074	\$ 106	\$ 3,544,297
DSM Variable Pay	\$ 2,546	\$ (15,937)	\$ -	\$ 464,699	\$ -	\$ 451,308
Veg Management Variable Pay	\$ -	\$ -	\$ -	\$ 694	\$ -	\$ 694
I & M Variable Pay	\$ 389	\$ -	\$ -	\$ 14,683	\$ -	\$ 15,072
IFA Variable Pay	\$ 5,618	\$ 14,872	\$ 125	\$ 322,592	\$ (10,567)	\$ 332,640
Grand Total Management	\$ 1,886,983	\$ 4,981,258	\$ 48,551	\$ 17,069,895	\$ 210,289	\$ 24,196,977
Grand Total Labor	\$ 20,607,349	\$ 5,072,859	\$ 64,782	\$ 20,955,043	\$ 449,038	\$ 47,149,070
Productive O & M Labor						
Labor - Management O & M	1,834,351	3,682,817	40,794	14,074,153		
Labor - Union O & M	18,112,948	64,892	13,639	3,215,129		
Salaries charged to Company O & M	19,947,299	3,747,710	54,433	17,289,282		
Total Management Salaries		150,898,874	7,010,687	216,689,732		
Total Union Salaries		96,082,146	2,444,906	47,186,181		
		246,981,020	9,455,593	263,875,913		
Percentage Management Charged to Company	100.00%	2.51%	0.58%	9.18%		
Percentage Union Charged to Company	100.00%	0.07%	0.56%	16.15%		
Weighted Average Percentage Charged to Total Company	100.00%	1.56%	0.58%	10.43%		
Total Management Base Year Salaries - O & M & Capital	3,140,625	3,794,184	40,792	19,895,741		
Total Union Base Year Salaries - O & M & Capital	30,874,546	65,148	13,641	7,618,931		
Total Company Base Year Salaries - O & M & Capital	34,015,171	3,859,332	54,433	27,514,672		
Total Base Year Salaries to O&M	19,947,299	3,747,710	54,433	17,289,282		
O&M Portion Total Company	58.64%	97.11%	100.00%	62.84%		
O&M Portion Union	58.67%	99.61%	99.98%	42.20%		
O&M Portion Management	58.41%	97.06%	100.00%	70.74%		

Line Notes
3 From Page 11 of 71, Sum of Lines 20 thru Line 23
7 From Page 11 of 71, Line 23
8 From Page 11 of 71, Line 22
9 Line 7 + Line 8
11 From Page 11 of 71, Line 24
12 Line 9 / Line 3
13 Line 11 x Line 12
15 From Page 11 of 71, Line 19
16 Line 12
17 Line 15 x Line 16
19 Line 9 + Line 13
20-23 From Company Books
24 Line 17
25-28 From Company Books
30 Sum of Line 19 thru Line 28

Line Notes (Continued)
34 Line 3
37 From Page 11 of 71, Line 20
38 From Page 11 of 71, Line 21
39 Line 37 + Line 38
41 Line 11
42 Line 39/Line 34
43 Line 41 x Line 42
45 Line 15
46 Line 42
47 Line 45 x Line 46
49 Line 39 + Line 43
50-53 From Company Books
54 Line 47
55-58 From Company Books
60 Sum of Line 49 thru Line 58
62 Line 30 + Line 60

Line Notes (Continued)
66 Sum of Line 49 thru Line 53
67 Sum of Line 19 thru Line 23
68 Line 66 + Line 67
70 From Company Books
71 From Company Books
72 Line 70 + Line 71
74(b)-(d) Line 78 / Line 70
75(b)-(d) Line 79 / Line 71
76(b)-(d) Line 80 / Line 72
78 From Company Books
79 From Company Books
80 Line 78 + Line 79
82 Line 68
83 Line 82 / Line 80
85 Line 67 / Line 79
87 Line 66 / Line 78

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Normalizing Adjustments to O & M Labor

	(a) Company Direct	(b) KeySpan Corporate Services	(c) KeySpan Utility Services	(d) National Grid USA Services	(e) Other	(f) Total
1 Reverse IFA related expense						
2 Variable Pay	(15,258)	(15,691)	(175)	(76,923)	20,963	(87,084)
3 Labor - Management OT	(1)	(937)	-	(3,091)	19	(4,010)
4 Labor - Management OT	1,572	(63,759)	(685)	(122,891)	1,489	(184,274)
5 Labor - Union OT	(1,721)	(1,575)	-	(647)	(11)	(3,954)
6 Labor - Union	12,282	(2,244)	(273)	(12,207)	(90)	(2,532)
7 Paid Absence and Vacation	(5,608)	(7,202)	(81)	(22,352)	229	(35,014)
8 Total Reverse IFA related expense	\$ (8,734)	\$ (91,408)	\$ (1,214)	\$ (238,111)	\$ 22,599	\$ (316,868)
9						
10 Remove Vegetation Management Expenses Recovered in ISR						
11 Variable Pay	-	-	-	(694)	-	(694)
12 Labor - Management OT	-	-	-	(4,994)	99	(4,895)
13 Labor - Management	(1,643)	-	-	(191,831)	-	(193,473)
14 Labor - OT Union	-	-	-	-	-	-
15 Labor - Union	-	-	-	-	142	142
16 Paid Absence and Vacation	(510)	-	-	(33,429)	53	(33,887)
17 Total Remove Vegetation Management Expenses Recovered in ISR	\$ (2,153)	\$ -	\$ -	\$ (230,948)	\$ 295	\$ (232,806)
18						
19 Remove Inspection & Maintenance Expenses Recovered in ISR						
20 Variable Pay	(22,613)	-	-	(37,060)	(1,165)	(60,838)
21 Labor - Management OT	(5,872)	-	-	(52,350)	-	(58,222)
22 Labor - Management	-	-	-	(327)	-	(327)
23 Labor - OT Union	(67,125)	-	-	-	(155)	(67,280)
24 Labor - Union	(268,042)	-	-	(80,278)	(18,076)	(366,396)
25 Paid Absence and Vacation	(80,139)	-	-	(22,452)	(3,835)	(106,426)
26 Total Remove Inspection & Maintenance Expenses Recovered in ISR	\$ (443,791)	\$ -	\$ -	\$ (192,467)	\$ (23,230)	\$ (659,488)
27						
28 Remove Financial Planning Stipend						
29 Variable Pay	(5,842)	-	-	(18,192)	-	(24,034)
30 Labor - Management OT	-	-	-	-	-	-
31 Labor - Management	-	-	-	-	-	-
32 Labor - OT Union	-	-	-	-	-	-
33 Labor - Union	-	-	-	-	-	-
34 Paid Absence and Vacation	-	-	-	-	-	-
35 Total Remove Financial Planning Stipend	\$ (5,842)	\$ -	\$ -	\$ (18,192)	\$ -	\$ (24,034)
36						
37 Remove O & M Storm Expenses						
38 Variable Pay	-	(6,860)	-	(328,396)	(32,033)	(367,289)
39 Labor - Management OT	(144,997)	(63,701)	-	(973,499)	(95,296)	(1,277,493)
40 Labor - Management	-	(43,078)	-	(441,534)	(19,485)	(504,097)
41 Labor - OT Union	(2,727,490)	(151,269)	-	(705,022)	(732,512)	(4,316,293)
42 Labor - Union	-	(79,723)	-	(55,436)	(209,772)	(344,931)
43 Paid Absence and Vacation	-	(36,098)	-	(284,828)	(86,780)	(407,706)
44 Total Remove O & M Storm Expenses	\$ (2,872,487)	\$ (380,729)	\$ -	\$ (2,788,715)	\$ (1,175,878)	\$ (7,217,809)
45						
46 Remove Costs to Achieve						
47 Variable Pay	(5959,060)	\$0	\$0	(\$2,190,610)	\$2,306,618	(843,052)
48 Labor - Management OT	-	-	-	-	-	-
49 Labor - Management	-	-	-	-	-	-
50 Labor - OT Union	-	-	-	-	-	-
51 Labor - Union	-	-	-	-	-	-
52 Paid Absence and Vacation	-	-	-	-	-	-
53 Total Remove Costs to Achieve	\$ (959,060)	\$ 0	\$ -	\$ (2,190,610)	\$ 2,306,618	\$ (843,052)
54						
55 Total						
56 Variable Pay	(1,002,772)	(22,551)	(175)	(2,651,876)	2,294,384	(1,382,990)
57 Labor - Management OT	(150,870)	(64,638)	-	(1,033,934)	(95,178)	(1,344,620)
58 Labor - Management	(71)	(106,837)	(685)	(756,582)	(17,996)	(882,171)
59 Labor - OT Union	(2,796,336)	(152,844)	-	(705,669)	(732,678)	(4,387,527)
60 Labor - Union	(255,760)	(81,967)	(273)	(147,921)	(227,795)	(713,716)
61 Paid Absence and Vacation	(86,257)	(43,300)	(81)	(363,062)	(90,333)	(583,033)
62 Total	\$ (4,292,067)	\$ (472,137)	\$ (1,214)	\$ (5,659,043)	\$ 1,130,403	\$ (9,294,058)

Line Notes

- 8 Sum of Line 2 through Line 7
- 17 Sum of Line 11 through Line 16
- 35 Sum of Line 29 through Line 34
- 44 Sum of Line 38 through Line 43
- 53 Sum of Line 47 through Line 52
- 56 Sum of Line 2 + Line 11 + Line 20 + Line 29 + Line 38 + Line 47
- 57 Sum of Line 3 + Line 12 + Line 21 + Line 30 + Line 39 + Line 48
- 58 Sum of Line 4 + Line 13 + Line 22 + Line 31 + Line 40 + Line 49
- 59 Sum of Line 5 + Line 14 + Line 23 + Line 32 + Line 41 + Line 50
- 60 Sum of Line 6 + Line 15 + Line 24 + Line 33 + Line 42 + Line 51
- 61 Sum of Line 7 + Line 16 + Line 25 + Line 34 + Line 43 + Line 52
- 62 Sum of Line 56 through Line 61

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Pro Forma Labor Adjustments Summary

		(a)	(b)	(c)
Base Pay		Union	Management	Adjustment
1	Company Direct Charges	1,674,219	392,174	2,066,393
2				
3	KeySpan Corporate Services Direct	2,122	(205,757)	(203,635)
4				
5	KeySpan Utility Services Direct	91	(1,087)	(996)
6				
7	National Grid USA Service Co	(603,289)	(569,377)	(1,172,666)
8				
9	Other	-	-	-
10				
11	Sub Total	1,073,143	(384,047)	689,096
12				
13				
Variable Pay		Union Goals	Management Variable Pay	Adjustment
15				
16				
17	Company Direct Charges	12,407	117,538	129,945
18				
19	KeySpan Corporate Services Direct	(24,783)	(988,475)	(1,013,258)
20				
21	KeySpan Utility Services Direct	(2,230)	(3,245)	(5,475)
22				
23	National Grid USA Service Co	(467,346)	(1,157,828)	(1,625,174)
24				
25	Other	-	-	-
26				
27	Sub Total	(481,952)	(2,032,010)	(2,513,962)
28				
29				
Total Pay		Wages Increase	Union Goals & Variable Pay	Total Adjustment
30				
31				
32				
33	Company Direct Charges	2,066,393	129,945	2,196,338
34				
35	KeySpan Corporate Services Direct	(203,635)	(1,013,258)	(1,216,893)
36				
37	KeySpan Utility Services Direct	(996)	(5,475)	(6,471)
38				
39	National Grid USA Service Co	(1,172,666)	(1,625,174)	(2,797,840)
40				
41	Other	-	-	-
42				
43	Grand Total	689,096	(2,513,962)	(1,824,866)

Line Notes

- 1(a)-9(a) From Page 15 of 71, Line 32, Column (a) through Column (e)
- 1(b)-9(b) From Page 16 of 71, Line 32, Column (a) through Column (e)
- 1(c)-9(c) Sum of Column (a) + Column (b)
- 11(a)-11(c) Sum of Line 1 through Line 9
- 17(a)-25(a) From Page 22 of 71, Line 21, Column (a) through Column (e)
- 17(b)-25(b) From Page 21 of 71, Line 21, Column (a) through Column (e)
- 17(c)-25(c) Sum of Column (a) + Column (b)
- 33(a)-41(a) Line 1(c) through Line 9(c)
- 33(b)-41(b) Line 17(c) through Line 25(c)
- 33(c)-41(b) Sum of Column (a) + Column (b)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses - Labor Adjustments
Test Year Ended December 31, 2011
Union Pro Forma Wage Adjustments

	(a)	(b)	(c)	(d)	(e)	(f)
	Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Service Co	Other National Grid Companies	Total
1 Annual Base Union Wages- End of Year Employees	26,292,656	85,549,682	2,366,691	31,581,515		145,790,544
2 Minimum Union Staffing Vacancies	1,123,200					1,123,200
3 Total Annual Union Wages	27,415,856	85,549,682	2,366,691	31,581,515		146,913,744
4						
5 Percentage Increase	4.30%	4.40%	3.63%	4.30%		
6						
7 Total Adjusted Union Wages	28,595,286	89,316,001	2,452,695	32,939,124		153,303,106
8						
9 Percentage of Wages Charged to Company	100.00%	0.07%	0.56%	16.15%		
10						
11 Percentage of Union Wages Charged to O & M	58.67%	99.61%	99.98%	42.20%		
12						
13 Percentage of Union O & M Wages Charged to DSM	0.00%	0.00%	0.00%	0.00%		
14						
15 Percentage of Union O & M Wages Charged to Veg Management	0.00%	0.00%	0.00%	0.00%		
16						
17 Percentage of Union O & M Wages Charged to I & M	2.29%	0.00%	0.00%	2.92%		
18						
19 Percentage of Union O & M Wages Charged to IFA	2.45%	6.51%	2.17%	16.81%		
20						
21 Rate Year Base Union O & M Wages	16,776,854	62,277	13,732	2,244,900		
22 Plus: Annual OT Union Wages and Other Premium Pay in Test Year	2,947,564	4,564	-	175,493		
23 Less: DSM Wages in Rate Year	-	-	-	-		
24 Less: Veg Management Wages in Rate Year	-	-	-	-		
25 Less: I & M Wages in Rate Year	(384,190)	-	-	(65,551)		
26 Less: IFA Wages in Rate Year	(411,033)	(4,054)	(298)	(377,368)		
27						
28 Total Rate Year Union O & M Wages	18,929,195	62,787	13,434	1,977,474	192,963	21,175,853
29						
30 Test Year Wages	17,254,976	60,665	13,343	2,580,763	192,963	20,102,710
31						
32 Total Union Wage Adjustment	\$ 1,674,219	\$ 2,122	\$ 91	\$ (603,289)	\$ -	\$ 1,073,143
33						
34 Additions for Minimum Staffing Vacancies		19				

Line Notes

- 1(a) From Page 17 of 71, Line 6, Column (b)
- 1(b) From Page 18 of 71, Line 13, Column (b)
- 1(c) From Page 19 of 71, Line 8, Column (b)
- 1(d) From Page 20 of 71, Line 9, Column (b)
- 2 From Workpaper MDL-3, Page 10 of 10
- 5(a) From Page 17 of 71, Line 6, Column (e)
- 5(b) From Page 18 of 71, Line 13, Column (e)
- 5(c) From Page 19 of 71, Line 8, Column (e)
- 5(d) From Page 20 of 71, Line 9, Column (e)
- 7 Line 3 x (1 + Line 5)
- 9 From Page 12 of 71, Line 75
- 11 From Page 12 of 71, Line 85
- 13 From Page 12 of 71, Line 20 / Page 12 of 71, Line 67
- 15 From Page 12 of 71, Line 21 / Page 12 of 71, Line 67
- 17 From Page 12 of 71, Line 22 / Page 12 of 71, Line 67
- 19 From Page 12 of 71, Line 23 / Page 12 of 71, Line 67
- 21 Line 7 x Line 9 x Line 11
- 22 From Company Books
- 23 Line 7 x Line 9 x Line 11 x 13
- 24 Line 7 x Line 9 x Line 11 x 15
- 25 Line 7 x Line 9 x Line 11 x 17
- 26 Line 7 x Line 9 x Line 11 x 19
- 28 Sum of Line 21 thru Line 26
- 30 From Company Books
- 32 Line 28 - Line 30

Column Notes

- (f) Sum of Column (a) thru Column (e)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses - Labor Adjustments
Test Year Ended December 31, 2011
Management Pro Forma Wage Adjustments

	(a)	(b)	(c)	(d)	(e)	(f)
	Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Service Co	Other National Grid Companies	Total
1 Annual Base Management Wages - End of Year Employees	3,163,047	130,835,911	6,509,117	182,065,628		322,573,703
2 Vacancies	344,000	2,991,900	-	4,413,850		7,749,750
3 Total Annual Management Wages	3,507,047	133,827,811	6,509,117	186,479,478		330,323,453
4						
5 Percentage Increase	5.12%	5.12%	5.12%	5.12%		
6						
7 Total Adjusted Management Wages	3,686,607	140,679,795	6,842,384	196,027,227		347,236,013
8						
9 Percentage of Wages Charged to Company	100.00%	2.51%	0.58%	9.18%		
10						
11 Percentage of Management Wages Charged to O & M	58.41%	97.06%	100.00%	70.74%		
12						
13 Percentage of Management O & M Wages Charged to DSM	20.12%	15.23%	0.00%	11.54%		
14						
15 Percentage of Management O & M Wages Charged to Veg Management	0.12%	0.00%	0.00%	1.64%		
16						
17 Percentage of Management O & M Wages Charged to I & M	0.40%	0.00%	0.00%	0.44%		
18						
19 Percentage of Management O & M Wages Charged to IFA	3.56%	2.08%	1.82%	10.57%		
20						
21 Rate Year Base Management O & M Wages	2,153,347	3,427,250	39,686	12,729,875		
22 Plus: Annual OT Management Wages in Test Year	150,525	5,301	-	484,906		
23 Less: DSM Wages in Rate Year	(433,253)	(521,970)	-	(1,469,028)		
24 Less: Veg Management Wages in Rate Year	(2,584)	-	-	(208,770)		
25 Less: I & M Wages in Rate Year	(8,613)	-	-	(56,011)		
26 Less: IFA Wages in Rate Year	(76,659)	(71,287)	(722)	(1,345,548)		
27						
28 Rate Year Management O & M Wages	1,782,763	2,839,294	38,964	10,135,424	102,685	14,899,130
29						
30 Test Year Wages	1,390,589	3,045,050	40,051	10,670,488	102,685	15,248,865
31 Division adjustments - YE Complement & Vacancies				(34,313)		(34,313)
32 Total Management Wage Adjustment	\$ 392,174	\$ (205,757)	\$ (1,087)	\$ (569,377)	\$ -	\$ (384,047)
33						
34 Number of Employee Vacancies	4	32		50		

Line Notes

- 1(a) From Page 17 of 71, Line 1, Column (b)
- 1(b) From Page 18 of 71, Line 1, Column (b)
- 1(c) From Page 19 of 71, Line 1, Column (b)
- 1(d) From Page 20 of 71 Line 1, Column (b)
- 2 From Workpaper MDL-3, Page 9 of 10
- 3 Sum of Line 1 thru Line 2
- 5(a) From Page 17 of 71 Line 1, Column (c)
- 5(b) From Page 18 of 71 Line 1, Column (c)
- 5(c) From Page 19 of 71 Line 1, Column (c)
- 5(d) From Page 20 of 71 Line 1, Column (c)
- 7 Line 3 x (1 + Line 5)
- 9 From Page 12 of 71, Line 74
- 11 From Page 12 of 71, Line 87
- 13 From Page 12 of 71, Line 50 / Page 12 of 71, Line 66
- 15 From Page 12 of 71, Line 51 / Page 12 of 71, Line 66
- 17 From Page 12 of 71, Line 52 / Page 12 of 71, Line 66
- 19 From Page 12 of 71, Line 53 / Page 12 of 71, Line 66
- 21 Line 7 x Line 9 x Line 11
- 22 From Company Books
- 23 Line 7 x Line 9 x Line 11 x 13
- 24 Line 7 x Line 9 x Line 11 x 15
- 25 Line 7 x Line 9 x Line 11 x 17
- 26 Line 7 x Line 9 x Line 11 x 19
- 28 Sum of Line 21 thru Line 26
- 30 From Company Books
- 32 Line 28 - Line 30 + Line 31
- 34 From Workpaper MDL-3, Page 9 of 10

Column Notes

- (f) Sum of Column (a) thru Column (e)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Weighted Labor Adjustment Factor Company Direct

	(a)	(b)	(c)	(d)	(e)
Employee Affiliation	<i>Headcount</i>	<i>Total Salaries (Current)</i>	<i>Overall Increases Historical Yr to Rate Yr</i>	<i>Effective Co%</i>	<i>Union Wage Increase</i>
1 Management	32	3,163,047	5.12%	100.0%	
2					
3 Bargaining					
4 Local 310	355	26,292,656	4.30%	100.0%	4.30%
5					
6 Total Unions	355	26,292,656			4.30%
7					
8 Grand Total	387	29,455,703			

Line Notes

- 1(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 1(c) From Workpaper MDL-3, Page 2 of 10
- 1(d) Line 1(b) / by line 1(b)
- 4(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 4(c) From Workpaper MDL-3, Page 2 of 10
- 4(d) Line 4(b) / by line 6(b)
- 6 Sum of Line 4
- 8 Sum of Line 1 and Line 6

Column Notes

- (e) Column (c) x Column (d)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Weighted Labor Adjustment Factor KeySpan Corporate Services

Employee Affiliation	(a) <i>Headcount</i>	(b) <i>Total Salaries (Current)</i>	(c) <i>Overall Increases Historical Yr to Rate Yr</i>	(d) <i>Effective Co%</i>	(e) <i>Union Wage Increase</i>
1 Management	1,338	130,835,911	5.12%	100.0%	
2					
3 Bargaining					
4 Local 101	352	21,473,135	3.23%	25.1%	0.81%
5 Local 1049	351	21,598,574	4.92%	25.3%	1.24%
6 Local 12003	204	13,459,411	4.75%	15.7%	0.75%
7 Local 12012-04	15	1,139,499	0.85%	1.3%	0.01%
8 Local 13507	2	138,590	4.92%	0.2%	0.01%
9 Local 1381	471	26,927,514	4.92%	31.5%	1.55%
10 Local 3	7	576,972	3.23%	0.7%	0.02%
11 Local 318	3	235,986	4.32%	0.3%	0.01%
12					
13 Total Unions	1,405	85,549,682			4.40%
14					
15 Grand Total	2,743	216,385,593			

Line Notes

- 1(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 1(c) From Workpaper MDL-3, Page 3 of 10
- 1(d) Line 1(b) / by line 1(b)
- 4(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 4(c) From Workpaper MDL-3, Page 3 of 10
- 4(d) Line 4(b) / by line 13(b)
- 5(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 5(c) From Workpaper MDL-3, Page 3 of 10
- 5(d) Line 5(b) / by line 13(b)
- 6(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 6(c) From Workpaper MDL-3, Page 3 of 10
- 6(d) Line 6(b) / by line 13(b)
- 7(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 7(c) From Workpaper MDL-3, Page 3 of 10
- 7(d) Line 7(b) / by line 13(b)
- 8(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 8(c) From Workpaper MDL-3, Page 3 of 10
- 8(d) Line 8(b) / by line 13(b)
- 9(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 9(c) From Workpaper MDL-3, Page 3 of 10
- 9(d) Line 9(b) / by line 13(b)
- 10(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 10(c) From Workpaper MDL-3, Page 3 of 10
- 10(d) Line 10(b) / by line 13(b)
- 11(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 11(c) From Workpaper MDL-3, Page 3 of 10
- 11(d) Line 11(b) / by line 13(b)
- 13 Sum of Line 4 through Line 11
- 15 Sum of Line 1 and Line 13

Column Notes

- (e) Column (c) x Column (d)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Weighted Labor Adjustment Factor KeySpan Utility Services

	(a)	(b)	(c)	(d)	(e)
Employee Affiliation	<i>Headcount</i>	<i>Total Salaries (Current)</i>	<i>Overall Increases Historical Yr to Rate Yr</i>	<i>Effective Co%</i>	<i>Union Wage Increase</i>
1 Management	69	6,509,117	5.12%	100%	
2					
3 Bargaining					
4 Local 101	23	1,804,509	3.23%	76.3%	2.47%
5 Local 1049	5	409,365	4.92%	17.3%	0.85%
6 Local 1381	2	152,818	4.92%	6.5%	0.32%
7					
8 Total Unions	30	2,366,691			3.63%
9					
10 Grand Total	99	8,875,808			

Line Notes

- 1(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 1(c) From Workpaper MDL-3, Page 4 of 10
- 1(d) Line 1(b) / by line 1(b)
- 4(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 4(c) From Workpaper MDL-3, Page 4 of 10
- 4(d) Line 4(b) / by line 8(b)
- 5(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 5(c) From Workpaper MDL-3, Page 4 of 10
- 5(d) Line 5(b) / by line 8(b)
- 6(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 6(c) From Workpaper MDL-3, Page 4 of 10
- 6(d) Line 6(b) / by line 8(b)
- 8 Sum of Line 4 through Line 6
- 10 Sum of Line 1 and Line 8

Column Notes

- (e) Column (c) x Column (d)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Weighted Labor Adjustment Factor National Grid USA Service Company

	(a)	(b)	(c)	(d)	(e)
Employee Affiliation	<i>Headcount</i>	<i>Total Salaries (Current)</i>	<i>Overall Increases Historical Yr to Rate Yr</i>	<i>Effective Co%</i>	<i>Union Wage Increase</i>
1 Management	1,953	182,065,628	5.12%	100%	
2					
3 Bargaining					
4 Local 310,329,330	53	3,453,008	4.30%	10.9%	0.47%
5 Local 486,326	205	15,794,297	4.30%	50.0%	2.15%
6 Local 369	198	10,193,371	4.30%	32.3%	1.39%
7 Local 12431-01	32	2,140,840	4.25%	6.8%	0.29%
8					
9 Total Unions	488	31,581,515			4.30%
10					
11 Grand Total	2,441	213,647,143			

Line Notes

- 1(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 1(c) From Workpaper MDL-3, Page 5 of 10
- 1(d) Line 1(b) / by line 1(b)
- 4(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 4(c) From Workpaper MDL-3, Page 5 of 10
- 4(d) Line 4(b) / by line 9(b)
- 5(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 5(c) From Workpaper MDL-3, Page 5 of 10
- 5(d) Line 5(b) / by line 9(b)
- 6(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 6(c) From Workpaper MDL-3, Page 5 of 10
- 6(d) Line 6(b) / by line 9(b)
- 7(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 7(c) From Workpaper MDL-3, Page 5 of 10
- 7(d) Line 7(b) / by line 9(b)
- 9 Sum of Line 4 through Line 7
- 11 Sum of Line 1 and Line 9

Column Notes

- (e) Column (c) x Column (d)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Variable Pay Adjustment

	(a)	(b)	(c)	(d)	(e)	(f)
	Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Service Co	Other National Grid Companies	Total
1 Target Annual Variable Pay - End of Year Employees	328,419	15,112,734	770,429	20,569,830		36,781,412
2 Target Annual Variable Pay - Vacancies	36,613	326,875		458,739		
3 Total Target Annual Variable Pay	365,032	15,439,610	770,429	21,028,569		
4						
5 Percentage of Annual Wages Charged to Company	100.00%	2.51%	0.58%	9.18%		
6 Percentage of Management Wages Charged to O & M	58.41%	97.06%	100.00%	70.74%		
7 Percentage of Management O & M Wages Charged to DSM	20.12%	15.23%	0.00%	11.54%		
8 Percentage of Management O & M Wages Charged to Veg Management	0.00%	0.00%	0.00%	0.00%		
9 Percentage of Management O & M Wages Charged to I & M	0.12%	0.00%	0.00%	1.64%		
10 Percentage of Management O & M Wages Charged to IFA	0.00%	0.00%	0.00%	0.00%		
11						
12 Target Variable Pay Charged to O&M	213,215	376,141	4,468	1,365,581	106	1,959,511
13						
14 Test Year Variable Pay charged to O&M	44,079	1,299,506	7,632	2,193,074		
15 Less: DSM Variable Pay in Rate Year	(42,899)	(32,473)	-	(24,605)		
16 Less: Veg Management Variable Pay in Rate Year	-	-	-	-		
17 Less: I & M Variable Pay in Rate Year	(256)	-	-	(3,497)		
18 Less: IFA Variable Pay in Rate Year	-	-	-	-		
19 Total Test Year Variable Pay charged to O&M	924	1,267,033	7,632	2,164,972	106	3,440,667
20 Division Adjustment	(94,753)	(97,583)	(81)	(358,437)		(550,854)
21 Variable Pay Adjustments	\$ 117,538	\$ (988,475)	\$ (3,245)	\$ (1,157,828)	\$ -	\$ (2,032,010)

Line Notes

- 1(a)-(d) From Workpaper MDL-3, Page 6 of 10
- 2(a)-(d) From Workpaper MDL-3, Page 7 of 10
- 3 Sum of Line 1 thru Line 2
- 5 From Page 12 of 71, Line 74
- 6 From Page 12 of 71, Line 87
- 7 From Page 12 of 71, Line 50 / Page 12 of 71, Line 66
- 8 From Page 12 of 71, Line 51 / Page 12 of 71, Line 66
- 9 From Page 12 of 71, Line 52 / Page 12 of 71, Line 66
- 10 From Page 12 of 71, Line 53 / Page 12 of 71, Line 66
- 12 Line 3 x Line 5 x Line 6
- 14 From Company Books
- 15 Line 3 x Line 5 x Line 6 x Line 7
- 16 Line 3 x Line 5 x Line 6 x Line 8
- 17 Line 3 x Line 5 x Line 6 x Line 9
- 18 Line 3 x Line 5 x Line 6 x Line 10
- 19 Sum of Line 14 thru Line 18
- 21 Line 12 - Line 19 + Line 20

Column Notes

- (f) Sum of Column (a) thru Column (e)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Union Goals Adjustment

	(a)	(b)	(c)	(d)	(e)	(f)
	Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Service Co	Other National Grid Companies	Total
1 Target Annual Union Goals - End of Year Employees	959,832	1,696,105	56,893	1,152,869		3,865,699
2 Target Annual Union Goals - Minimum Union Staffing	41,003					
3 Total Target Annual Union Goals	1,000,835	1,696,105	56,893	1,152,869		
4						
5 Percentage of Annual Wages Charged to Company	100.00%	0.07%	0.56%	16.15%		
6 Percentage of Union Wages Charged to O & M	58.67%	99.61%	99.98%	42.20%		
7 Percentage of Union O & M Wages Charged to DSM	0.00%	0.00%	0.00%	0.00%		
8 Percentage of Union O & M Wages Charged to Veg Management	0.00%	0.00%	0.00%	0.00%		
9 Percentage of Union O & M Wages Charged to I & M	2.29%	0.00%	0.00%	2.92%		
10 Percentage of Union O & M Wages Charged to IFA	2.45%	6.51%	2.17%	16.81%		
11						
12 Target Union Goals Charged to O&M	587,190	1,183	319	78,572	199	667,463
13						
14 Test Year Union Goals charged to O&M	546,950	25,889	2,542	530,416		
15 Less: DSM Union Goals in Rate Year	-	-	-	-		
16 Less: Veg Management Union Goals in Rate Year	-	-	-	-		
17 Less: I & M Union Goals in Rate Year	13,447	-	-	17,146		
18 Less: IFA Union Goals in Rate Year	14,386	38,226	12,742	98,707		
19 Total Test Year Union Goals charged to O&M	574,783	64,115	15,284	646,269	199	1,300,650
20 Division Adjustment	-	38,149	12,735	100,351		151,235
21 Union Goals Adjustments	12,407	(24,783)	(2,230)	(467,346)	-	(481,952)

Line Notes

- 1(a)-(d) From Workpaper MDL-3, Page 8 of 10
- 2(a)-(d) From Workpaper MDL-3, Page 10 of 10
- 3 Sum of Line 1 through Line 2
- 5 From Page 12 of 71, Line 75
- 6 From Page 12 of 71, Line 85
- 7 From Page 12 of 71, Line 20 / Page 12 of 71, Line 67
- 8 From Page 12 of 71, Line 21 / Page 12 of 71, Line 67
- 9 From Page 12 of 71, Line 22 / Page 12 of 71, Line 67
- 10 From Page 12 of 71, Line 23 / Page 12 of 71, Line 67
- 12 Line 3 x Line 5 x Line 6
- 14 From Company Books
- 15 Line 3 x Line 5 x Line 6 x Line 7
- 16 Line 3 x Line 5 x Line 6 x Line 8
- 17 Line 3 x Line 5 x Line 6 x Line 9
- 18 Line 3 x Line 5 x Line 6 x Line 10
- 19 Sum of Line 14 through Line 18
- 21 Line 12 - Line 19 + Line 20

Column Notes

- (f) Sum of Column (a) through Column (e)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Healthcare

	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustments	(e) Rate Year Adjusted
1 Company Direct	2,890,411	(54,324)	2,836,087	539,414	3,375,501
2 KeySpan Corporate Services	720,743	(65,039)	655,704	(119,504)	536,200
3 KeySpan Utility Services	16,036	(387)	15,649	(7,635)	8,014
4 National Grid USA Services	2,279,957	(249,030)	2,030,927	(12,625)	2,018,302
5 Other	116,517	(59,510)	57,007	-	57,007
6 Total	\$ 6,023,664	\$ (428,290)	\$ 5,595,374	\$ 399,650	\$ 5,995,024

	(f) Company Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
10 Normalizing Adjustments					
11 Reverse IFA Related Expenses	(54,324)	(16,713)	(387)	(52,327)	(2,209)
12 Remove O & M Storm Expenses	-	(48,326)	-	(196,703)	(57,301)
13 Total	\$ (54,324)	\$ (65,039)	\$ (387)	\$ (249,030)	\$ (59,510)

18 Number of Vacancies - Union	-	-	-	-	-
19 Minimum Union Staffing	19	-	-	-	-
20 Total Number of Vacancies	19	-	-	-	-
21 Average Cost Per Employee - Union Medical	12,977	-	-	-	-
22 Average Cost Per Employee - Union Dental	830	-	-	-	-
23 Additional Costs for Vacancies	248,530	-	-	-	-
24					
25 Number of Vacancies - Management	4	32	-	50	-
26 Average Cost Per Employee - Management - Medical	12,647	10,769	-	11,490	-
27 Average Cost Per Employee - Management -Dental	875	793	-	834	-
28 Additional Costs for Vacancies	54,087	369,979	-	616,193	-
29					
30 Total Additional Costs for Vacancies	302,617	369,979	-	616,193	-

	(k) Company Direct	(l) KeySpan Corporate	(m) KeySpan Utility	(n) National Grid USA	(o) Other
35 Healthcare Increases					
37 RY Total Annual Medical and Dental - EOY Employees	5,609,829	35,984,785	1,419,239	31,013,026	-
38					
39 Plus Additional Cost For Vacancies	302,617	369,979	-	616,193	-
40					
41 Percentage of Labor Charged to Company	100.00%	1.56%	0.58%	10.43%	-
42					
43 Percentage of Labor Charged to O & M	58.64%	97.11%	100.00%	62.84%	-
44					
45 Rate Year Medical and Dental Expense	3,467,058	550,744	8,232	2,073,046	57,007
46					
47 Less : Amount Applicable to IFA	2.64% (91,557)	(14,544)	(217)	(54,744)	-
48					
49 Total Distribution RateYear Medical and Dental Expense	3,375,501	536,200	8,014	2,018,302	57,007
50					
51 Adjusted Test Year Healthcare Expense	2,836,087	655,704	15,649	2,030,927	57,007
52					
53 Total Healthcare Expense Adjustment	\$ 539,414	\$ (119,504)	\$ (7,635)	\$ (12,625)	\$ -
54					

Line Notes

1(a)-5(a)	From Company books	37(k) - 37 (n)	From Workpaper MDL-5 Page 2 Line 1(a) - Line (d)
6	Sum of Line 1 through line 5	39	Line 30
11(f)-11(j)	From Page 8 of 71, Line 5(b)	41	From Page 12 of 71, Line 76
12(f)-12(j)	From Page 8 of 71, Line 5(c)	43	From Page 12 of 71, Line 83
19	From Page 15 of 71, Line 34(a)	45	(Line 37 + Line 39) * Line 41 * Line 43
21	From Workpaper MDL-5 Page 2 Line 25(a)	47	Line 45 * 2.64% (Workpaper MDL-1 Page 2 Line 73)
22	From Workpaper MDL-5 Page 2 Line 26(a)	49	Line 45 + Line 47
23	(Line 21+ Line 22) * Line 20	51(k) - (o)	Line 1(c) through Line 5(c)
25	From Page 16 of 71, Line 34 (a)	53	Line 49 - Line 51
26	From Workpaper MDL-5 Page 2 Line 30		
27	From Workpaper MDL-5 Page 2 Line 31		
28	(Line 26 + Line 27) * Line 25		
30	Line 28 + Line 23		

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
401K Match

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	185,415	1,158	186,573	22,224	208,797
2 KeySpan Corporate Services	102,690	(7,553)	95,137	(24,885)	70,252
3 KeySpan Utility Services	1,761	(33)	1,728	(520)	1,208
4 National Grid USA Services	743,383	(103,396)	639,987	(100,468)	539,519
5 Other	63,040	(24,420)	38,620	-	38,620
6 Total	<u>\$ 1,096,289</u>	<u>\$ (134,243)</u>	<u>\$ 962,046</u>	<u>\$ (103,649)</u>	<u>\$ 858,397</u>

	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
11 Reverse IFA Related Expenses	1,158	(1,784)	(33)	(26,248)	(1,033)
12 Remove O & M Storm Expenses	-	(5,769)	-	(77,148)	(23,387)
13 Total	<u>1,158</u>	<u>(7,553)</u>	<u>(33)</u>	<u>(103,396)</u>	<u>(24,420)</u>

	(k)	(l)	(m)
	Adjusted Test Year Labor Cost	Adjusted Test Year 401K Match	Average Expense Per Labor Dollar
20 Company Direct Charges	19,236,594	186,573	0.97%
21 KeySpan Corporate Services	4,431,110	95,137	2.15%
22 KeySpan Utility Services	63,568	1,728	2.72%
23 National Grid USA Services	15,974,741	639,987	4.01%
24 Other	295,954	38,620	N/A
25 Total	<u>\$ 40,001,966</u>	<u>\$ 962,046</u>	

	(n)	(o)	(p)	(q)	(r)
	Rate Year December 2011 Labor Cost	Adjusted Test Year Labor Costs	Difference	Average Expense Per Labor Dollar	Rate Year 401K Match
31 Company Direct Charges	21,527,685	19,236,594	2,291,091	0.97%	22,224
32 KeySpan Corporate Services	3,273,651	4,431,110	(1,157,459)	2.15%	(24,885)
33 KeySpan Utility Services	44,443	63,568	(19,125)	2.72%	(520)
34 National Grid USA Services	13,469,300	15,974,741	(2,505,441)	4.01%	(100,468)
35 Other	295,954	295,954	0	N/A	-
36 Total	<u>\$ 38,611,032</u>	<u>\$ 40,001,966</u>	<u>\$ (1,390,933)</u>		<u>\$ (103,649)</u>

Line Notes

- 1-5 (a) From Company books
- 1-5 (b) Line 13
- 1-5 (d) Column (r)
- 6 Sum of Line 1 through Line 5
- 11(f)-11(j) From Page 8 of 71, Line 6(e)
- 12(f)-12(j) From Page 8 of 71, Line 6(e)
- 13 Sum of Line 11 through Line 12
- 20(k)-24(k) From Page 10 of 71, Column (c)
- 20(m)-24(m) Column (l) / Column (k)
- 25 Sum of Line 20 through Line 24
- 31(n)-35(n) From Page 10 of 71, Column (e)
- 31(o)-35(o) Line 20(k) through Line 24(k)
- 31(p)-35(p) Column (n) - Column (o)
- 31(q)-35(q) Line 20(m) through Line 24(m)
- 31(r)-35(r) Column (p) x Column (q)
- 36 Sum of Line 31 through Line 35

The Narragansett Electric Company d/b/a National Grid
Adjustments To Rate Base
Test Year Ended December 31, 2011
401K Pension Replacement Plan

	(a)	(b)	(a)+(b) (c)	(d)	(c)+(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	-	-	-	28,515	28,515
2 KeySpan Corporate Services	325	-	325	32,696	33,021
3 KeySpan Utility Services	4	-	4	297	301
4 National Grid USA Services	2,694	-	2,694	117,067	119,761
5 Other	-	-	-	-	-
6 Total	<u>\$ 3,023</u>	<u>\$ -</u>	<u>\$ 3,023</u>	<u>\$ 178,575</u>	<u>\$ 181,598</u>
	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Total
12 Current Employees in Plan	-	13	1	21	35
14 Average Benefit per Employee	7,163	6,858	10,662	7,342	32,025
16 Number of Vacancies	4	32	-	50	-
18 Rate Year Contributions for Vacancies	<u>28,652</u>	<u>219,456</u>	<u>-</u>	<u>367,100</u>	<u>615,208</u>
20 Estimated New Hires 1/1/12 to 1/31/13	2	117	3	142	264
21 Estimated New Hires 2/1/13 to 1/31/14	1	54	2	66	123
22 Total Estimated New Hires	<u>3</u>	<u>171</u>	<u>5</u>	<u>208</u>	<u>387</u>
24 Rate Year Contributions for New Hires	<u>21,489</u>	<u>1,172,718</u>	<u>53,310</u>	<u>1,527,136</u>	<u>2,774,653</u>
26 Percentage of Management Wages Charged to Company	100.00%	2.51%	0.58%	9.18%	
28 Percentage of Management Wages Charged to O & M	58.41%	97.06%	100.00%	70.74%	
30 Rate Year Benefit Charged to Company O & M Vacancies	16,736	5,346	-	23,839	45,921
32 Less : Amount Applicable to IFA for Vacancies	2.64% (442)	(141)	-	(630)	(1,213)
34 Rate Year Benefit for Vacancies	<u>16,294</u>	<u>5,205</u>	<u>-</u>	<u>23,209</u>	<u>44,708</u>
36 Rate Year Benefit Charged to Company O & M New Hires	12,552	28,570	309	99,171	140,602
38 Less : Amount Applicable to IFA for New Hires	2.64% (331)	(754)	(8)	(2,619)	(3,712)
40 Rate Year Benefit for New Hires	<u>12,221</u>	<u>27,816</u>	<u>301</u>	<u>96,552</u>	<u>136,890</u>
42 Total 401K Pension Replacement Benefit for Rate Year	<u>28,515</u>	<u>33,021</u>	<u>301</u>	<u>119,761</u>	<u>181,598</u>
44 Test Year 401K Pension Replacement Benefit	-	325	4	2,694	3,023
46 Total Management 401K Adjustment	<u>\$ 28,515</u>	<u>\$ 32,696</u>	<u>\$ 297</u>	<u>\$ 117,067</u>	<u>\$ 178,575</u>

Line Notes

1(a)-5(a)	From Company books	32	Line 30 x Line 32(k)
1(d)-5(d)	Line 46	32(k)	From Workpaper MDL-1 Page 2 Line 73
6	Sum of Line 1 through Line 5	34	Line 30 + Line 32(f) through (j)
12-14	From Company books	36	Line 24 x Line 26 x Line 28
16	From Page 16 of 71, Line 34	38	Line 36 x Line 38(k)
18	Line 14 x Line 16	40	Line 36 + Line 38
20	From Workpaper MDL-4, Column (f)	42	Line 34 + Line 40
21	From Workpaper MDL-4, Column (g)	44	From Line 1(a) through Line 5(a)
22	Sum of Line 20 through Line 21	46	Line 42 - Line 44
24	Line 14 x Line 22		
26	From Page 12 of 71, Line 74		
28	From Page 12 of 71, Line 87		
30	Line 18 x Line 26 x Line 28		

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Donations

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (e) (e)	
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted	
1	Company Direct	-	444,811	-	444,811	
2	KeySpan Corporate Services	-	(34,032)	-	(34,032)	
3	KeySpan Utility Services	-	-	-	-	
4	National Grid USA Services	-	(9,637)	-	(9,637)	
5	Other	-	-	-	-	
6	Total	\$ -	\$ 401,142	\$ -	\$ 401,142	
7						
8						
9						
10						
11	<u>Normalizing Adjustments</u>	<u>Company Direct</u>	<u>KeySpan Corporate</u>	<u>KeySpan Utility</u>	<u>National Grid USA</u>	<u>Other</u>
12	Reclassify Donations to O & M	362,454	-	-	-	-
13	Removal of Non Jurisdictional Costs	-	(34,032)	-	(9,637)	-
14	Additional Test Year Donations	82,357	-	-	-	-
15	Total	444,811	(34,032)	-	(9,637)	-

Line Notes

- 1(b)-5(b) Line 15
- 6 From Workpaper MDL-6
- 12(f)-14(j) From Page 8 of 71 Line 8
- 15 Sum of Line 12 through Line 14

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Computer Software Expenses

	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(a) + (b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustment	(c) + (e) (e) Rate Year Adjusted
1 Company Direct	\$15,696	(\$22,165)	(\$6,469)	\$0	(\$6,469)
2 KeySpan Corporate Services	\$56,949	(\$2,091)	\$54,858	\$0	\$54,858
3 KeySpan Utility Services	\$0	\$0	\$0	\$0	\$0
4 National Grid USA Services	\$3,666,551	(\$94,336)	\$3,572,215	\$5,591,668	\$9,163,883
5 Other	\$672	\$0	\$672	\$0	\$672
6 Total	<u>\$3,739,868</u>	<u>(\$118,592)</u>	<u>\$3,621,276</u>	<u>\$5,591,668</u>	<u>\$9,212,944</u>

	(f) Company Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
15 Normalizing Adjustments					
16 Reverse IFA Related Expenses	\$71	(\$895)	\$0	(\$36,840)	\$0
17 Vegetation Management expenses				(\$274)	
18 Remove O & M Storm expenses	(\$22,236)	\$0	\$0	\$0	\$0
19 Remove ProCard Charges - Hart				(\$159)	
20 Remove Costs to Achieve	\$0	(\$1,196)	\$0	(\$57,063)	\$0
21 Total	<u>(\$22,165)</u>	<u>(\$2,091)</u>	<u>\$0</u>	<u>(\$94,336)</u>	<u>\$0</u>

	(k) Adjusted Books Year Ended December 31, 2011	(l) Inflation Adjustment	(m)=(k)+(l) Rate Year Adjusted
29 Purchased software	\$1,887,234	\$71,904	\$1,959,137
30			
31			
32			
33			
34			
35 Software Rents:	(n) Adjusted Books Year Ended December 31, 2011	(o) Pro Forma Adjustment	(p) Rate Year Adjusted
36 IT Software Rents - existing projects	\$1,734,042	\$240,640	\$1,974,682
37 IT Software Rents - other new projects	\$0	\$2,802,336	\$2,802,336
38 IT Software Rents - US Foundations Project		\$2,626,506	\$2,626,506
39			
40 Sub-total	<u>\$1,734,042</u>	<u>\$5,669,482</u>	<u>\$7,403,524</u>
41	(q)		
42 Less : Amount Applicable to IFA	2.64%	(\$149,718)	(\$149,718)
43 Total Software Rents	<u>\$1,734,042</u>	<u>\$5,519,765</u>	<u>\$7,253,806</u>
44			
45 Total Computer Software	<u><u>\$3,621,276</u></u>	<u><u>\$5,591,668</u></u>	<u><u>\$9,212,944</u></u>

Line Notes

1-5 (a)	From Company books	36(p)-38(p)	Per Workpaper MDL-7, Page 10, Lines 198 through 200
1-5 (b)	Line 21	40	Sum of Lines 36 through 38
1-5 (d)	Line 45(o)	42(n)	From Company books
16(f)-20(j)	From Page 8 of 71, Line 9(i)	42(o)	Line 40(o) x 42(q)
21	Sum of Line 16 through Line 20	42(p)	Line 42(n) + Line 42(o)
29(k)	From Company books	42(q)	Per Workpaper MDL-1, Page 2 Line 57
29(l)	Col (k) times 3.81% inflation rate per Page 50 of 71	43	Line 40 + Line 42
36(n)-38(n)	From Company books	45	Line 29 + Line 43
36(o)-38(o)	Column (p) - Column (n)		

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Regulatory Assessments

	(a)	(b)	(a) + (b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustment	(c) + (e) (e) Rate Year Adjusted
	Total Test Year Per Books	Normalizing Adjustments			
1 Company Direct	3,009,083	(93,768)	2,915,315	1,077,066	3,992,381
2 KeySpan Corporate Services	-	-	-	-	-
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	-	-	-	-	-
5 Other	-	-	-	-	-
6 Total	<u>\$ 3,009,083</u>	<u>\$ (93,768)</u>	<u>\$ 2,915,315</u>	<u>\$ 1,077,066</u>	<u>\$ 3,992,381</u>

	(f) Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
14 Normalizing Adjustments					
16 Reverse IFA Related Expenses	(93,768)	-	-	-	-
17 Total	<u>(93,768)</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

	(f) Company Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
20 Proforma Adjustments					
22 Regulatory Assessments for FY2012 pre-paid (Net of IFA)	1,077,066	-	-	-	-
24	<u>1,077,066</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Line Notes

- 1(a)-5(a) From Company books
- 1(b) From line 16(f)
- 1(d) From line 22(f)
- 6 Sum of line 1 through line 5
- 16 From Page 8 of 71, Line 10
- 17 Line 16
- 22 From Company books
- 24 Line 22

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Facilities

	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(a) + (b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustment	(c) + (e) (e) Rate Year Adjusted
1 Company Direct	122,082	(192)	121,890	13,317	135,208
2 KeySpan Corporate Services	195,785	-	195,785	21,391	217,176
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	1,796,359	(80,888)	1,715,471	187,427	1,902,898
5 Other	631,997	(212,886)	419,111	45,791	464,902
6 Total	\$ 2,746,223	\$ (293,966)	\$ 2,452,257	\$ 267,926	\$ 2,720,183

	(f) Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
16 Normalizing Adjustments					
17 Reverse IFA Related Expenses	(192)	-	-	(20,516)	1,554
18 Out of period adjustment - Sutton CDC allocation					(214,440)
19 Remove costs related to Westborough facility sold during test year				(60,372)	
20 Total	\$ (192)	\$ -	\$ -	\$ (80,888)	\$ (212,886)

	Total Test Year Per Books	Normalizing Adjustments	Adjusted Books Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
24 Direct costs					
25 Lincoln, RI	\$ 35,897		35,897	1,368	37,264
26 Middletown, RI	9,640		9,640	367	10,007
27 All other Facilities	-		-	-	-
28 Gas, Water & Electric Utilities	77,116		77,116	2,938	80,055
29 Less : Amount Applicable to IFA		(192)	(192)		(192)
30 Subtotal-Direct Facilities	\$ 122,653	\$ (192)	\$ 122,461	\$ 4,673	\$ 127,134

	Total Test Year Per Books	Normalizing Adjustments	Adjusted Books Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
34 Indirect costs					
35 Reservoir Woods	\$ 663,354		\$ 663,354	\$ 25,274	\$ 688,628
36 Reservoir Woods Leasehold Improvements	147,423		147,423	141,153	288,576
37 Sutton, MA CDC	650,782	(214,440)	436,343	16,625	452,968
38 Northborough Call Center	397,090		397,090	58,634	455,724
39 Syracuse, NY	342,924		342,924	13,065	355,990
40 Metrotech, NY	136,790		136,790	5,212	142,001
41 Worcester, MA	116,766		116,766	4,449	121,215
42 Millbury, MA Training Center	69,839		69,839	2,661	72,500
43 Westborough, MA	60,372	(60,372)	-	-	-
44 Hicksville, NY	31,577		31,577	1,203	32,780
45 Melrose St, Providence	11,564		11,564	441	12,005
46 Melville, NY	13,210		13,210	503	13,713
47 Washington, D.C.	8,922		8,922	340	9,262
48 All other Facilities	18,252		18,252	695	18,947
49 Gas, Water & Electric Utilities	(45,295)		(45,295)	(1,726)	(47,021)
50 Less: Test Year IFA		(18,962)	(18,962)		(18,962)
51 Subtotal-Indirect Facilities	\$ 2,623,570	\$ (293,774)	\$ 2,329,796	\$ 268,529	\$ 2,598,325
52 Less : Amount Applicable to IFA	2.64%			(5,276)	(5,276)
53 TOTAL Facilities	\$ 2,746,223	\$ (293,966)	\$ 2,452,257	\$ 267,926	\$ 2,720,183

Line Notes

- 1-5(a) From Company books
- 1-5(b) Line 19
- 1-5(d) Line 53 Column (i) x (Line 1 Column (c) / Line 6 Column (c))
- 16(f)-18(j) From Page 8 of 71, Line 11
- 19 Sum of Line 16 thru Line 18
- 29(g) Line 16(f)
- 25-29(h) Column (f) + Column (g)
- 25-28(i) Column (h) x Page 50 Line 40 Column (c)
- 37(g) Line 17(j)
- 43(g) Line 18(i)
- 50(g) Line 16 Column (i) + Column (j)
- 35,37,39-49(i) Column (h) x Page 50 Line 40 Column (c)
- 36(j) Workpaper MDL-9
- 38(j) Workpaper MDL-9
- 52 (-2.64% x Line 36(i)) + (-2.64% x Line 38(i))
- 53 Line 30 + Line 51 + Line 52

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Uninsured Claims

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	2,035,516	(63,493)	1,972,023	(269,191)	1,702,832
2 KeySpan Corporate Services	-	-	-	-	-
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	445,139	(12,840)	432,299	(432,299)	-
5 Other	(30)	-	(30)	30	-
6 Total	<u>\$ 2,480,624</u>	<u>\$ (76,333)</u>	<u>\$ 2,404,291</u>	<u>\$ (701,459)</u>	<u>\$ 1,702,832</u>

	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
11 Normalizing Adjustments	(63,493)	-	-	(12,840)	-
12 Reverse IFA Related Expenses	(63,493)	-	-	(12,840)	-
13 Total	<u>(63,493)</u>	<u>-</u>	<u>-</u>	<u>(12,840)</u>	<u>-</u>

	(k)	(l)	(m)	
	General & Auto Liability	Workers Comp.	Total	
18 Actual Claims Paid, Years ending	12/31/2007	2,787,696	548,410	3,336,105
19	12/31/2008	3,606,969	796,535	4,403,504
20	12/31/2009	886,162	850,541	1,736,703
21	12/31/2010	646,016	911,108	1,557,124
22	12/31/2011	1,534,883	794,316	2,329,199
24 5 Year Average				2,672,527
26 Add: Administrative Fees paid to third party claims administrator				59,972
27 Total				<u>2,732,499</u>
29 Test Year Uninsured Claims				<u>2,404,291</u>
31 Adjustment for Uninsured Claims Before IFA				<u>328,208</u>
33 Less : Amount Applicable to IFA			2.64%	(8,667)
34 Division Adjustment				(1,021,000)
35 Adjustment for Uninsured Claims After IFA				<u>\$ (701,459)</u>

Line Notes

- 1(a)-5(a) From Company books
- 1(b)-5(b) Line 12(f) through (j)
- 6(d) Line 35
- 12 From Page 8 of 71, Line 12(b)
- 18-22 From Company books
- 24 Line 18(m) through Line 22(m) / 5
- 26 From Company books
- 27 Line 24 + Line 26
- 29 Line 6(c)
- 31 Line 27 - Line 29
- 33 Line 31 x Line 33(m)
- 35 Line 33 + Line 35 + Line 34

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Insurance Premiums

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1 Company Direct	-	-	-	-	-
2 KeySpan Corporate Services	-	-	-	-	-
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	970,582	696	971,278	94,007	1,065,285
5 Other	-	-	-	-	-
6 Total	<u>\$ 970,582</u>	<u>\$ 696</u>	<u>\$ 971,278</u>	<u>\$ 94,007</u>	<u>\$ 1,065,285</u>

	(f)	(g)	(h)	(i)	(j)
Normalizing Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
16 Reverse IFA related expenses	-	-	-	(27,615)	-
17 Reverse Credit for 2007 tax accrual	-	-	-	28,311	-
18 Total	-	-	-	696	-

Line Notes

- 1(a)-5(a) From Company books
- 1(b)-5(b) Line 18
- 4(d) From Page 32 of 71, Line 44
- 6 Sum of Line 1 through Line 5
- 16 From Page 8 of 71, Line 13(b)
- 17 From Company books
- 18 Sum of Line 16 through Line 17

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Payroll Taxes

Payroll Taxes Charged to O&M Accounts

	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(a)+(b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustments	(c)+(d) (e) Rate Year Adjusted
1 Direct	(21,369)	(284)	(21,653)	(2,572)	(24,225)
2 KeySpan Corporate Services	394,724	(31,713)	363,011	(94,796)	268,215
3 KeySpan Utility Services	7,239	(156)	7,083	(2,131)	4,952
4 National Grid USA Services	39,769	-	39,769	(6,252)	33,517
5 Other	(5,619)	138	(5,481)	-	(5,481)
6 Total	\$ 414,744	\$ (32,015)	\$ 382,729	\$ (105,751)	\$ 276,978

	(f) Company Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
9 Normalizing Adjustments					
11 Reverse IFA Related Expenses	(284)	(8,323)	(156)	-	138
12 Remove O & M Storm Expenses		(23,390)			
13 Total	(284)	(31,713)	(156)	-	138

	(k) Adjusted Test Year Labor Cost	(l) Adjusted Test Year Total Payroll Tax Costs	(m) Average Expense Per Labor Dollar	(n) O & M % of Test Year Payroll Tax Cost	(o) Non O & M % of Test Year Payroll Tax Cost
18 Percentage Calculations					
20 Company Direct Charges	19,236,594	1,713,486	8.91%	-1.26%	101.26%
21 KeySpan Corporate Services	4,431,110	363,011	8.19%	100.00%	0.00%
22 KeySpan Utility Services	63,568	7,083	11.14%	100.00%	0.00%
23 National Grid USA Services	15,974,741	2,064,899	12.93%	1.93%	98.07%
24 Other	295,954	82,504	27.88%	-6.64%	106.64%
25 Total	\$ 40,001,966	\$ 4,230,983			

	(p) Rate Year Labor Cost	(q) Adjusted Test Year Labor Costs	(r) Labor Cost Difference	(s) Average Expense Per Labor Dollar	(t) O & M Rate Year Payroll Tax Costs
27 Pro Forma Adjustments					
31 Company Direct Charges	21,527,685	19,236,594	2,291,091	8.91%	(2,572)
32 KeySpan Corporate Services	3,273,651	4,431,110	(1,157,459)	8.19%	(94,796)
33 KeySpan Utility Services	44,443	63,568	(19,125)	11.14%	(2,131)
34 National Grid USA Services	13,469,300	15,974,741	(2,505,441)	12.93%	(6,252)
35 Other	295,954	295,954	0	27.88%	-
36 Total	\$ 38,611,033	\$ 40,001,966	\$ (1,390,933)		\$ (105,751)

Payroll Taxes Charged to Taxes Other Than Income

	(u) Total Test Year Per Books	(v) Normalizing Adjustments	(u) + (v) (w) Adjusted Test Year Ended December 31, 2011	(x) Pro Forma Adjustments	(w) + (x) (y) Rate Year Adjusted
45 Direct	1,735,139	-	1,735,139	190,406	1,925,545
46 KeySpan Corporate Services	-	-	-	-	-
47 KeySpan Utility Services	-	-	-	-	-
48 National Grid USA Services	2,189,465	(164,335)	2,025,130	(330,232)	1,694,898
49 Other	130,589	(42,604)	87,985	(1,246)	86,739
50 Total	\$ 4,055,193	\$ (206,939)	\$ 3,848,254	\$ (141,071)	\$ 3,707,183

	(z) Company Direct	(aa) KeySpan Corporate	(bb) KeySpan Utility	(cc) National Grid USA	(dd) Other
53 Normalizing Adjustments					
54 Remove Storm Expenses				(164,335)	(42,604)
55 Total	\$ -	\$ -	\$ -	\$ (164,335)	\$ (42,604)

	(ee) Labor Cost Difference	(ff) Average Expense Per Labor Dollar	(gg) Rate Year Payroll Tax Costs	(hh) Rate Year Consumer Advocates	(ii) Rate Year Add'l USFP Staff
60 December 2011					
62 Company Direct	2,291,091	8.91%	206,708	8,261	
63 KeySpan Corporate Services	(1,157,459)	8.19%	-		
64 KeySpan Utility Services	(19,125)	11.14%	-		
65 National Grid USA Services	(2,505,441)	12.93%	(317,701)		16,137
66 Other	0	27.88%	-		
67 Division adjustment			(54,477)		
68 Total	(1,390,933)		(165,470)	8,261	16,137

Line Notes

1-5(a)	From Company books	31-35(t)	Column (r) x Column (s) x Column (n)
1-5(b)	Line 13	45-49(u)	From Company books
1-5(d)	Column (t)	45-49(v)	Line 55
6	Sum of Line 1 through Line 5	45-49(w)	Column (u) + Column (v)
11(f)-12(j)	From Page 8 of 71, Line 14	45-49(x)	Column (gg) + Column (hh) + Column (ii)
13	Sum of Line 11 through Line 12	45-49(y)	Column (w) + Column (x)
20-24(k)	From Page 10 of 71, Column (c)	50	Sum of Line 45 through Line 49
20-24(l)	Line 1 through Line 5(c) + Line 45 through Line 49(w)	54(z)	From Company books
20-24(m)	Column (l) / Column (k)	55	Line 54
20-24(n)	Column (c) / Column (l)	62-66(ee)	Column (r)
20-24(o)	Column (w) / Column (l)	62-64(ff)	Column (m)
31-35(p)	From Page 10 of 71, Column (c)	65-69(gg)	Column (ee) x Column (ff) x Column (o)
31-35(q)	Column (k)	62 (hh)	From Page 44 of 71, Line 40
31-35(r)	Column (p) - Column (q)	65(ii)	From Page 45 of 71, Line 48
31-35(s)	Column (m)	68	Sum of Line 62 through Line 67

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Other Post-Employment Benefits (OPEB)

	(a)	(b)	(a)+(b) (c)	(d)	(c)+(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Direct	5,784,833	(157,022)	5,627,811	(3,814,536)	1,813,275
2 KeySpan Corporate Services	648,760	(55,678)	593,082	40,563	633,645
3 KeySpan Utility Services	18,584	(451)	18,133	4,031	22,164
4 National Grid USA Services	2,347,407	(249,084)	2,098,323	(1,106,989)	991,334
5 Other	177,716	(96,558)	81,158	-	81,158
6 Total	\$ 8,977,300	\$ (558,792)	\$ 8,418,508	\$ (4,876,932)	\$ 3,541,576

	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
10 Normalizing Adjustments	(157,022)	(12,896)	(451)	(53,494)	(3,149)
11 Reverse IFA related expenses		(42,782)		(195,590)	(93,409)
12 Remove O & M Storm Expenses					
13 Total	(157,022)	(55,678)	(451)	(249,084)	(96,558)

	(k)	(l)	(m)	(n)	(o)	(p)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other	Total
18 Total Company Test Year OPEB Costs to O&M	5,627,811	593,082	18,133	2,098,323	81,158	8,418,508
20 Rate Year OPEB Total Cost	3,092,216	41,827,049	3,821,419	15,125,146		
21 Percentage Charged to Company- Total	100.00%	1.56%	0.58%	10.43%		
22 O & M Percentage Charged to Company Labor	58.64%	97.11%	100.00%	62.84%		
24 Total Company Rate Year FAS 106 Costs to O&M	1,813,275	633,645	22,164	991,334	81,158	3,541,576
25 Adjustment for OPEB Expense	\$ (3,814,536)	\$ 40,563	\$ 4,031	\$ (1,106,989)	\$ -	\$ (4,876,932)

	FY 2013	FY 2014
Company Direct		
FAS 106 Cost per Hewitt	6,236,816	5,128,582
Fair Value Amortization	522,697	(2,769,826)
Total	6,759,513	2,358,756
		12 Mos End Jan 2014
Company Direct Total OPEB Cost		3,092,216

	FY 2013	FY 2014
KeySpan Corporate Services		
FAS 106 Cost per Hewitt	42,468,583	41,698,742
Fair Value Amortization	-	-
Total	42,468,583	41,698,742
		12 Mos End Jan 2014
KeySpan Corporate Services Total OPEB Cost		41,827,049

	FY 2013	FY 2014
KeySpan Utility Services		
FAS 106 Cost per Hewitt	3,923,722	3,800,958
Fair Value Amortization	-	-
Total	3,923,722	3,800,958
		12 Mos End Jan 2014
KeySpan Utility Services Total OPEB Cost		3,821,419

	FY 2013	FY 2014
National Grid Service Company		
FAS 106 Cost per Hewitt	19,108,749	16,407,890
Fair Value Amortization	359,379	(2,151,340)
Total	19,468,128	14,256,550
		12 Mos End Jan 2014
National Grid Service Company Total OPEB Cost		15,125,146

Line Notes

1-5 (a)	From Company books	25	Line 24 - Line 19
1-5 (b)	Line 13	30-31	From Workpaper MDL-26 Pages 45 and 61
1-5 (d)	Line 25	32	Line 30 + Line 31
6	Sum of Line 1 through Line 5	36	Line 32(k) / 12 x 2 months + Line 32(l) / 12 x 10 months
11(f)-(12(j))	From Page 8 of 71, Line 15	41-42	From Workpaper MDL-26 Page 212
13	Sum of Line 11 through Line 12	43	Line 41 + Line 42
19(k)-(o)	Lines 1 through 5(c)	47	Line 43(k) / 12 x 2 months + Line 43(l) / 12 x 10 months
21(k)	Line 36	52-53	From Workpaper MDL-26 Page 212
21(l)	Line 47	54	Line 52 + Line 53
21(m)	Line 58	58	Line 54(k) / 12 x 2 months + Line 54(l) / 12 x 10 months
21(n)	Line 69	63-64	From Workpaper MDL-26 Pages 47, 63 and 110
22	From Page 12 of 71, Line 76	65	Line 63 + Line 64
23	From Page 12 of 71, Line 83	69	Line 65(k) / 12 x 2 months + Line 65(l) / 12 x 10 months
24	Line 21 x Line 22 x Line 23		

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Pensions

	(a)	(b)	(a)+(b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustments	(c)+(d) (e) Rate Year Adjusted
	Total Test Year Per Books	Normalizing Adjustments			
1 Direct	5,018,355	(131,434)	4,886,921	1,724,262	6,611,183
2 KeySpan Corporate Services	884,902	(69,461)	815,441	63,110	878,551
3 KeySpan Utility Services	23,905	(528)	23,377	5,297	28,674
4 National Grid USA Services	3,148,652	(382,351)	2,766,301	(116,589)	2,649,712
5 Other	182,366	(115,795)	66,571	-	66,571
6 Total	\$ 9,258,180	\$ (699,569)	\$ 8,558,611	\$ 1,676,080	\$ 10,234,691

	(f) Company Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
10 Normalizing Adjustments					
11 Reverse IFA related expenses	(131,434)	(17,251)	(528)	(73,907)	(3,031)
12 Remove O & M Storm Expenses		(52,210)		(308,444)	(112,764)
13 Total	(131,434)	(69,461)	(528)	(382,351)	(115,795)

	(k) Company Direct	(l) KeySpan Corporate	(m) KeySpan Utility	(n) National Grid USA	(o) Other	(p) Total
	FAS87 Costs					
17 Total Company Test Year Pension Costs to O&M	4,886,921	815,441	23,377	2,766,301	66,571	8,558,611
19 Rate Year Pension Total Cost	7,012,742	59,829,508	4,995,699	41,900,756		
20 Percentage Charged to Company- Total	100.00%	1.56%	0.58%	10.43%		
21 O & M Percentage Charged to Company Labor	58.64%	97.11%	100.00%	62.84%		
22 Total Actuarial Company Rate Year FAS 87 Costs to O&M	4,112,272	906,367	28,975	2,746,264	66,571	7,860,449
23 Recovery of Pension and OPEB costs over 10 years per R.I.P.U.C. Docket No. 3617	2,511,132					2,511,132
24 401K Pension Replacement Credit	(12,221)	(27,816)	(301)	(96,552)		(136,890)
25 Total Adjusted Pension	6,611,183	878,551	28,674	2,649,712	66,571	10,234,691
26 Adjustment for Pension Expense	1,724,262	63,110	5,297	(116,589)	-	1,676,080

	FY 2013	FY 2014
Company Direct		
33 FAS 87 Cost per Hewitt 3/21/2012 fest	11,860,837	10,020,031
34 Fair Value Amortization	(3,766,366)	(3,223,635)
35 Total	8,094,471	6,796,396
		12 Mos End Jan 2014
39 Company Direct Total Pension Cost		7,012,742

	FY 2013	FY 2014
KeySpan Corporate Services		
44 FAS 87 Cost per Hewitt 3/21/2012 fest	64,133,967	58,968,616
45 Fair Value Amortization	-	-
46 Total	64,133,967	58,968,616
		12 Mos End Jan 2014
50 KeySpan Corporate Services Total Pension Cost		59,829,508

	FY 2013	FY 2014
KeySpan Utility Services		
55 FAS 87 Cost per Hewitt 3/21/2012 fest	5,457,100	4,903,419
56 Fair Value Amortization	-	-
57 Total	5,457,100	4,903,419
		12 Mos End Jan 2014
61 KeySpan Utility Services Total Pension Cost		4,995,699

	FY 2013	FY 2014
National Grid Service Company		
66 FAS 87 Cost per Hewitt 3/21/2012 fest	55,873,930	48,330,574
67 Fair Value Amortization	(9,337,991)	(7,356,855)
68 Total	46,535,939	40,973,719
		12 Mos End Jan 2014
72 National Grid Service Company Total Pension Cost		41,900,756

Line Notes

1-5 (a)	From Company books	21	From Page 12 of 71, Line 76	44	From Workpaper MDL-26 Page 143
1-5 (b)	Line 13	22	From Page 12 of 71, Line 83	46	Line 44 + Line 45
1-5 (d)	Line 28	23	Line 20 x Line 21 x Line 22	50	Line 46(k) x 2/12 + Line 46(l) x 10/12
6	Sum of Line 1 through Line 5	25	From Page 25 of 71 Line 46	55	From Workpaper MDL-26 Page 143
11(f)-(12j)	From Page 8 of 71, Line 16	26	Sum of Line 23 through Line 25	57	Line 55 + Line 56
13	Line 11 + Line 12	28	Line 26 - Line 18	58	Line 57(k) x 2/12 + Line 57(l) x 10/12
18	Line 1 through Line 5 Column (c)	33	From Workpaper MDL-26 Pages 29 and 77	66	From Workpaper MDL-26 Pages 31, 79 and 104
20(k)	Line 39	34	From Workpaper MDL-26 Pages 4 and 5	67	From Workpaper MDL-26 Pages 6 and 7
20(l)	Line 50	35	Line 33 + Line 34	68	Line 66 + Line 67
20(m)	Line 61	39	Line 35(k) x 2/12 + Line 35(l) x 10/12	72	Line 68(k) x 2/12 + Line 68(l) x 10/12
20(n)	Line 72				

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Postage

	(a)	(b)	(a)+(b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustments	(c)+(d) (e) Rate Year Adjusted
	Total Test Year Per Books	Normalizing Adjustments			
1 Company Direct	-	-	-	-	-
2 KeySpan Corporate Services	558	(14)	544		544
3 KeySpan Utility Services	-	-	-		-
4 National Grid USA Services	2,019,210	(474)	2,018,736	83,418	2,102,154
5 Other	(4,903)	-	(4,903)		(4,903)
6 Total	<u>\$ 2,014,865</u>	<u>\$ (488)</u>	<u>\$ 2,014,377</u>	<u>\$ 83,418</u>	<u>\$ 2,097,795</u>

	(f) Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
10 Normalizing Adjustments					
11 Reverse IFA Related Expenses	-	(14)	-	(474)	-
12 Total	-	(14)	-	(474)	-

16 Postage Expense for the twelve months ended 12/31/11	2,014,377
17 Average Monthly Expense	167,865
19 Postage Expense prior to April 17 increase	598,774
21 Test Year Postage percentage increase (after April 17, 2011 Increase)	1.70%
22 Increased Postage Expense prior to April 17	608,953
24 Postage from April 18, 2011 through Dec 31, 2011	1,415,654
28 Normalized Postage Expense	2,024,607
30 Postage Increase Effective January 22, 2012	2.10%
32 GDP CPI estimated for 12/31/2012	228
33 GDP CPI estimated for 12/31/2013	233
34 Postage Rate Increase effective January 23, 2013	2.02%
36 Portion of Rate Year in effect	100.00%
37 Rate year postage increase	4.12%
39 Rate Year Postage Expense	2,108,025
41 Rate Year Adjustment for Postage Expense	<u>83,418</u>

Line Notes

1(a)-5(a)	From Company financials
16	From Line 6 Column (c)
18	Line 16 / 12
20	Line 18 x 3,567 months
22	Per USPS Notice at Workpaper MDL-11
24	Line 20 x (1+Line22)
26	Line 18 x 8.433 months
28	Line 24 + Line 26
30	Per USPS Notice, Workpaper MDL-11
34	Line 33 /Line 32-1
37	(Line 30+ Line 34) xLine 36
39	Line 28 x (1+Line 37)
41	Line 39 - Line 28

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Energy Efficiency O&M

	(a)	(b)	(a)+(b) (c)	(d)	(c)+(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1	Company Direct	30,148,944	(30,148,944)	-	-
2	KeySpan Corporate Services	546,119	(546,119)	-	-
3	KeySpan Utility Services	-	-	-	-
4	National Grid USA Services	3,114,788	(3,114,788)	-	-
5	Other	686,042	(686,042)	-	-
6	Total	<u>\$ 34,495,893</u>	<u>\$ (34,495,893)</u>	<u>\$ -</u>	<u>\$ -</u>
7					
8					
9					
10		(f)	(g)	(h)	(i)
11	Normalizing Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA
12	Remove Costs to Achieve	-	-	-	(37,630)
13	Energy Efficiency Recoverable Expenses	(30,148,944)	(546,119)	-	(3,077,158)
14	Total	<u>\$ (30,148,944)</u>	<u>\$ (546,119)</u>	<u>\$ -</u>	<u>\$ (3,114,788)</u>
					(j) Other (686,042)

Line Notes

- 1(a)-5(a) From Company books
- 1(b)-5(b) Line 14
 - 6 Sum of Line 1 through Line 5
 - 12 From Page 8 of 71, Line 18(g)
 - 13 From Page 8 of 71, Line 18(h)
 - 14 Line 12 + Line 13

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Environmental Response and Storm Fund Recovery

Environmental Response Fund		(a)	(b)	(a) + (b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustment	(c) + (d) (e) Rate Year Adjusted
		Total Test Year Per Books	Normalizing Adjustments			
1	Company Direct	3,078,000	-	3,078,000	-	3,078,000
2	KeySpan Corporate Services	-	-	-	-	-
3	KeySpan Utility Services	-	-	-	-	-
4	National Grid USA Services	-	-	-	-	-
5	Other	-	-	-	-	-
6	Total	<u>\$ 3,078,000</u>	<u>\$ -</u>	<u>\$ 3,078,000</u>	<u>\$ -</u>	<u>\$ 3,078,000</u>

	(f) Company Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other
13	Normalizing Adjustments				
14	Reverse IFA Related Expenses	-	-	-	-
18	Total	-	-	-	-

Storm Recovery Fund		(k)	(l)	(k) + (l) (m) Adjusted Test Year Ended December 31, 2011	(n) Pro Forma Adjustment	(m) + (n) (o) Rate Year Adjusted
		Total Test Year Per Books	Normalizing Adjustments			
26	Company Direct	-	-	-	443,103	443,103
27	KeySpan Corporate Services	-	-	-	-	-
28	KeySpan Utility Services	-	-	-	-	-
29	National Grid USA Services	-	-	-	-	-
30	Other	-	-	-	-	-
31	Total	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 443,103</u>	<u>\$ 443,103</u>

	(p) Company Direct	(q) KeySpan Corporate	(r) KeySpan Utility	(s) National Grid USA	(t) Other
38	Pro Forma Adjustments				
39	Storm Fund Recovery	1,041,000	-	-	-
40	Storm Recovery Adjustment	2,400,000	-	-	-
41	Division Adjustment - Storm allowance	759,000	-	-	-
42	Division Adjustment - Non-deferrable Storms	(1,356,897)	-	-	-
43	Division Adjustment - Storm Recovery Adj	(2,400,000)	-	-	-
44	Total	<u>\$ 443,103</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
45	Temporary 5 Year Storm Fund Contribution	<u>\$ 3,000,000</u>			

Line Notes

- 1(a)-5(a) From Company books
- 6 Sum of Line 1 through Line 5
- 26(k) From Company books
- 26(n) Line 44
- 39 Storm Fund Contribution level that was suspended in Docket No. 4065
- 40 Proposed temporary Storm Recovery Adjustment (SRA)
- 44 Sum of Lines 39 through 43

The Narragansett Electric Company d/b/a National Grid
Adjustments To Operating Expenses
Test Year Ended December 31, 2011
Additional OPEX charges related to New Capital Work

	(a)	(b)	(a) - (b) (c)	(d)	(c) x (d) (e)
	Rate Year Capital Spending	Test Year Capital Spending	Difference	%	Pro Forma Adjustment
1 Company Direct	56,540,000	48,613,686	7,926,314	10.71%	848,908
2 KeySpan Corporate Services					-
3 KeySpan Utility Services					-
4 National Grid USA Services					-
5 Other					-
6 Division Adjustment					(424,454)
7 Total	<u>\$ 56,540,000</u>	<u>\$ 48,613,686</u>	<u>\$ 7,926,314</u>		<u>\$ 424,454</u>

Line Notes

- 1(a) FY 2013 Capital Spending per Docket No 4307 Electric ISR FY 2013 Proposal Section 2 Page 5 of 33
Rate year assumes same level of spending as FY 2013
- 1(b) From Company books
- 1(d) Workpaper MDL-12, Line 12(d)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Advertising

	(a)	(b)	(a)+(b) (c)	(d)	(c)+(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1 Company Direct	-	-	-	-	-
2 KeySpan Corporate Services	208,009	(143,328)	64,681	-	64,681
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	2,840	(2,840)	-	-	-
5 Other	-	-	-	-	-
6 Total	<u>210,849</u>	<u>(146,168)</u>	<u>64,681</u>	<u>-</u>	<u>64,681</u>

7
8
9

	(f)	(g)	(h)	(i)	(j)
Normalizing Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
13 Reverse IFA Related Expenses	-	(4,772)	-	(99)	-
14 Removed Promotional/Branding advertising (Net of IFA)	-	(138,556)	-	(2,741)	-
15 Total	-	<u>(143,328)</u>	-	<u>(2,840)</u>	-

16
17

	(f)	(g)	(h)	(i)	(j)
Proforma Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
19 Division Adjustment	-	(521,453)	-	-	-
20 Incremental Educational Advertising Expenses (Net of IFA)	-	<u>521,453</u>	-	-	-
21 Total	-	-	-	-	-

Line Notes

- 1(a)-5(a) From Company books
- 1(b)-5(b) Line 15
- 2(d) Line 21
- 6 Sum of Line 1 through Line 5
- 13 From Page 8 of 71, Line 22(b)
- 14 From Workpaper MDL-13 ELEC Page 1, Line 10 minus Line 12
- 15 Sum of Line 13 through Line 14
- 20 From Workpaper MDL-13 ELEC Page 1, Line 14
- 21 Line 19 + Line 20

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Transmission O&M - Integrated Facilities Arrangement**

	(a)	(b)	(a) + (b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustment	(e) Rate Year Adjusted
1 Company Direct	1,269,305	(1,269,305)	-	-	-
2 KeySpan Corporate Services	9,935	(9,935)	-	-	-
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	4,271,615	(4,271,615)	-	-	-
5 Other	(58,537,841)	58,537,841	-	-	-
6 Total	<u>\$ (52,986,986)</u>	<u>\$52,986,986</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

	(f) Company Direct	(g) KeySpan Corporate Services	(h) KeySpan Utility Services	(i) National Grid USA Services	(k) Other	Total
Normalizing Adjustments						
17 Elimination of the reimbursement from NEP related to IFA	(1,269,305)	(9,935)	-	(4,271,615)	58,537,841	52,986,986
19 Reverse A&G related IFA Expenses						
20 Labor	(8,734)	(91,408)	(1,214)	(238,111)	22,599	(316,868)
21 Health & Hospitalization	(54,324)	(16,713)	(387)	(52,327)	(2,209)	(125,960)
22 Group Life Insurance	-	-	-	-	-	-
23 401K Match	1,158	(1,784)	(33)	(26,248)	(1,033)	(27,940)
24 Donations						
25 Computer Software Purchase	71	(895)	-	(36,840)	-	(37,664)
26 Regulatory Assessments	(93,768)	-	-	-	-	(93,768)
27 Lease - Non-Real Estate	(1,630)	(4,855)	(292)	(5,601)	(25,656)	(38,034)
28 Facilities	(192)	-	-	(20,516)	1,554	(19,154)
29 Uninsured Claims	(63,493)	-	-	(12,840)	-	(76,333)
30 Insurance	-	-	-	(27,615)	-	(27,615)
31 Payroll Taxes	(284)	(8,323)	(156)	-	138	(8,625)
32 PBOP's	(157,022)	(12,896)	(451)	(53,494)	(3,149)	(227,012)
33 Pensions	(131,434)	(17,251)	(528)	(73,907)	(3,031)	(226,151)
34 Postage	-	(14)	-	(474)	-	(488)
35 Residual O&M Expenses Subject to IFA	(298,926)	(89,245)	(600)	(311,037)	(7,525)	(707,333)
36 Total A&G	<u>(808,578)</u>	<u>(243,384)</u>	<u>(3,661)</u>	<u>(859,010)</u>	<u>(18,312)</u>	<u>(1,932,945)</u>
37						
38 Total Integrated Facilities Agreement	<u>\$ (2,077,883)</u>	<u>\$ (253,319)</u>	<u>\$ (3,661)</u>	<u>\$ (5,130,625)</u>	<u>\$ 58,519,529</u>	<u>\$ 51,054,041</u>
39						
40						

Line Notes

- 1(a)-5(a) From Company books
- 1(b)-5(b) Line 17
- 17-35 From Page 8 of 71, Column (b)
- 36 Sum of Line 20 through Line 35
- 38 Line 17 + Line 36

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Transmission O&M Wheeling Costs NEP

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1 Company Direct	94,286,161	(94,286,161)	-	-	-
2 KeySpan Corporate Services	-	-	-	-	-
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	-	-	-	-	-
5 Other	23,523,283	(23,523,283)	-	-	-
6 Total	<u>\$ 117,809,444</u>	<u>\$ (117,809,444)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
7					
8					
9					
10					
11					
12	(f)	(g)	(h)	(i)	(j)
13	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
14	Remove Wheeling Costs	(94,286,161)	-	-	(23,523,283)
15	Total	\$ (94,286,161)	\$ -	\$ -	\$ (23,523,283)

Line Notes

- 1(a)-5(a) From Company books
1(b)-5(b) Line 14
13 From Page 8 of 71, Line 24(h)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Rate Case Expense

1	Total Rate Case Expenses	\$	774,375
2			
3	Number of years to be Amortized		3
4			
5		\$	258,125
6			
7	Third Party Expenses:		
8	Keegan and Werlin, LLP		
9	Legal Fees	\$	250,000
10	Expenses		32,500
11	Total	\$	282,500
12			
13	Hinkley Allen		
14	Legal Fees	\$	100,000
15	Expenses		-
16	Total	\$	100,000
17			
18	HSG Group, Inc.	\$	62,000
19			
20	Concentric Energy Advisors		62,875
21			
22	Consultant Costs of the RI Division		175,000
23			
24	AON Hewitt Associates		52,000
25			
26	Towers Watson		25,000
27			
28	WarRoom Document Solutions		10,000
29			
30	A-1 Court Reports, Inc.		5,000
31			
32	Total Rate Case Expense	\$	774,375

Line Notes

- 1 Line 32
- 5 Line 1 / Line 3

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Consumer Advocate

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Proforma Adjustment	Rate Year Adjusted
1 Company Direct	-	-	-	0	0
2 KeySpan Corporate Services	-	-	-	-	-
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	-	-	-	-	-
5 Other	-	-	-	-	-
6 Total	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 0</u>	<u>\$ 0</u>

Description	Percentages (a)	Percentages/ Amount (b)	Amount (c)	Amount (d)
14 Additional Customer Assistance Advocate Personnel		2 Positions at Narragansett Electric Co. Band E average	\$ 185,487	
16 Allocation to Electric business	50%		\$ 92,744	
18 Pension and Benefits, Rate Year Expense amount to NECO O&M:				
19 Variable Pay	0.99%	\$ 213,215		
20 Payroll Tax	8.91%	1,917,622		
21 Medical and Dental Insurance	15.68%	3,375,501		
22 Pension	30.71%	6,611,183		
23 OPEB	8.42%	1,813,275		
24 Other Employee Related Benefits & Expenses	18.23%	3,925,134		
25 401K Match	0.97%	208,797		
26 Total Benefits	84.28%	\$ 18,064,727		
28 NECO Employee Salaries and Wages to O&M		\$ 21,432,932		
30 Payroll Taxes, Pension and Benefits Cost as % of Base Salaries & Wages		83.91%		
32 Pension and Benefits for Consumer Advocate Personnel		75.01%	\$ 69,564	
34 Rate Year O&M Costs of Consumer Advocate Personnel			\$ 162,307	
36 Less : Amount Applicable to IFA	2.64%		\$ (4,286)	
37 Division Adjustment			\$ (158,021)	
38 Total Distribution Rate Year O&M Costs of Consumer Advocate Personnel			<u>\$ 0</u>	
40 Rate Year Payroll Taxes (to Page 33 of 71)		8.91%		\$ 8,261
43 Total Rate Year Costs of Consumer Advocate Personnel				\$ 8,261

Line Notes

Col (d)	From Line 38	26	Sum of Lines 19 through 25
14	From Workpaper MDL-14	28(b)	From Page 10 of 71, Line 1(e)
16(c)	Line 14 * Line 16(a)	30	Equals Line 26(a)
19(a)-25(a)	Line 19(b) through 25(b) each divided by Line 28(b)	32(b)	Line 26(a) - Line 20(a)
19(b)	From Page 21 of 71, Line 12	32(c)	Line 16(c) * Line 32(b)
20(b)	From Page 33 of 71, Line 1(e)+Line 31(e)+Line 45(w)+Line 62(gg), (hh)	34	Line 16(c) + Line 32(c)
21(b)	From Page 23 of 71, Line 1(e)	36(a)	From Workpaper MDL-1, Page 2 Line 73
22(b)	From Page 35 of 71, Line 1(e)	36(c)	Line 34 * -Line 36(a)
23(b)	From Page 34 of 71, Line 1(e)	38	Line 34 + Line 36 + Line 37
24(b)	Equals the adjusted test year from Company books times the inflation rate of 3.81% per Page 50 of 71	40(b)	Equals Line 20(a)
		40(d)	Line 16(c) * Line 40(b)
25(b)	From Page 24 of 71, Line 1(e)	43	Line 38 + Line 40(d)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Additional US Foundations Support Staff

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Proforma Adjustments	Rate Year Adjusted
1 Company Direct	\$ -	\$ -	\$ -	\$ -	\$ -
2 KeySpan Corporate Services	-	-	-	-	-
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	-	-	-	120,163	120,163
5 Other	-	-	-	-	-
6 Total	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 120,163</u>	<u>\$ 120,163</u>

	No. of Employees (f)	Rate Year Average Salary (g)	Amount (h)
11 Description			
13 Additional US Foundations Personnel:			
14 Band D	2	\$107,379	\$ 214,758
15 Band E	24	\$82,317	1,975,601
16 Total	<u>26</u>		<u>\$ 2,190,359</u>
18 Percentage charged to NGUSA Service Company O&M			100%
19 Percentage allocated to Company O&M			5.70%
21 Total Additional USFP Support Staff payroll charged to Company O&M			\$ 124,850

	Percentages (i)	Percentages/ Amount (j)	Amount (k)
26 Description			
28 Pension and Benefits, Rate Year Expense amounts to NGUSA Service Company O&M:			
29 Variable Pay	10.1%	\$ 1,365,581	
30 Payroll Tax	12.9%	1,740,946	
31 Medical and Dental insurance	15.0%	2,018,302	
32 Pension	19.7%	2,649,712	
33 OPEB	7.4%	991,334	
34 Other Employee Related Benefits & Expenses	35.4%	4,773,634	
35 401K Match	4.0%	539,519	
36 401K Pension Replacement Program	0.9%	119,761	
37 Total Benefits	<u>105.4%</u>	<u>\$ 14,198,790</u>	
39 NGUSA Service Company Employee Salaries and Wages to O&M		\$ 13,176,901	
41 Payroll Taxes, Pension and Benefits Cost as % of Base Salaries & Wages		105.4%	
43 Pension and Benefits for Additional USFP Support Staff		92.5%	\$ 115,475
44 Division Adjustment			(120,163)
45 Rate Year O&M Costs of Additional USFP Support Staff			<u>\$ 120,163</u>
48 Rate Year Payroll Taxes (to Page 33)		12.9%	<u>\$ 16,137</u>
51 Total Rate Year Costs of Additional USFP Support Staff			\$ 136,300

Line Notes

Col (d)	Equals Line 45	34(j)	Equals the adjusted test year from Company books times the inflation rate of 3.81% per Page 50 of 71
Col (f)	From the testimony of Company witness Maureen P. Heaphy at Page 9.		
Col (g)	Per Workpaper MDL-14	35(j)	Per Page 24 of 71, Line 4(e)
Col (h)	Column (f) * Column (g)	36(j)	Per Page 25 of 71, Line 4(e)
18	Assumes all labor will be charged to O&M as responsibilities relate to user training & support.	37	Sum of Lines 29 through 36
19	Rate Year three-point general allocator, from Schedule MDL-2, Page 36 Line 7(d)	39	Per Page 10 of 71, Line 4(e)
Line 16 * Line 18 * Line 19		41	Equals Line 37(i)
29(i)-36(i)	Lines 29(j) through 36(j) each divided by Line 39	43(j)	Line 37(i) - Line 30(i)
29(j)	Per Page 21 of 71, Line 12(d)	45	Line 21(h) * Line 43(j)
30(j)	Per Page 33 of 71, Line 4(c)+Line 34(t)+Line 48(w)+Line 65(gg)	48(j)	Line 21(h) + Line 43(k) + Line 44
31(j)	Per Page 23 of 71, Line 4(e)	48(l)	Equals Line 30(i)
32(j)	Per Page 35 of 71, Line 4(e)	51	Line 21(h) * Line 48(j)
33(j)	Per Page 34 of 71, Line 4(e)		Line 45 + Line 48(l)

The Narragansett Electric Company d/b/a National Grid
Adjustments To Operating Expenses
Test Year Ended December 31, 2011
Five Year Average of Uncollectibles Summary

		Total Revenue							
Description	(a)	(b)	(c)						
	Total Revenue	Net Write-Offs	% of Write-Offs Distribution Revenue	(d)	(e)	(f)	(g)	(h)	(i)
				Base Rate Distribution Revenue	GET & Other Revenues	Conservation Revenue	Transmission Revenue	Commodity Revenue	Total Revenues
1 Year:									
2 CY 2011	\$802,881,950	\$10,618,527	1.32%						
3 CY 2010	\$879,874,473	\$10,698,705	1.22%						
4 CY 2009	\$906,112,250	\$13,701,691	1.51%						
5 CY 2008	\$1,150,295,839	\$12,412,851	1.08%						
6 CY 2007	\$942,059,186	\$11,000,164	1.17%						
7 Total	\$4,681,223,698	\$58,431,939	1.25%						
8									
9 Five Year Weighted Average Of									
10 Net Write-Offs as a % of Total Revenues			1.25%						
11									
12									
13									
14									
15 Test Year Normalized Revenues:									
16 Test Year Revenues			\$246,674,971		\$25,690,898	\$34,591,429	\$119,183,440	\$383,413,383	\$809,554,121
17 Add: Normalizing Adjustments			(\$601,465)		(\$17,004,821)	\$13,350,261	\$13,904,572	\$0	\$9,648,547
18									
19 Total Adjusted Test Year Revenue			\$246,073,505		\$8,686,078	\$47,941,690	\$133,088,012	\$383,413,383	\$819,202,668
20									
21 Three Year Weighted Average Of Net Write-Offs			1.25%			1.250%	1.250%	1.250%	1.25%
22									
23 Adjusted Test Year Bad Debt Expense			\$3,075,919		\$0	\$599,271	\$1,663,600	\$4,792,667	\$10,131,457
24 Less: Test Year Bad Debt Expense			\$6,240,507			\$325,159	\$1,116,199	\$3,632,954	\$11,314,819
25									
26 Test Year Normalization Adjustment for Bad Debt Expense			(\$3,164,588)		\$0	\$274,112	\$547,401	\$1,159,713	(\$1,183,362)
27									
28 Total Adjusted Test Year Revenue			\$246,073,505		\$8,686,078	\$47,941,690	\$133,088,012	\$383,413,383	\$819,202,668
29 Add: Pro Forma Adjustments			(\$362,914)		\$620,825	\$907,461	\$2,560,494	\$0	\$3,725,866
30 Total Rate Year Revenue			\$245,710,591		\$9,306,903	\$48,849,151	\$135,648,506	\$383,413,383	\$822,928,534
31									
32									
33									
34 Three Year Weighted Average Of Net Write-Offs			1.25%			1.25%	1.25%	1.25%	1.25%
35									
36 Rate Year Allowable Bad Debt Expenses			\$ 3,071,382		\$ -	\$ 610,614	\$ 1,695,606	\$ 4,792,667	\$ 10,170,270
37 Adjusted Test Year Bad Debt Expense			\$ 3,075,919			599,271	1,663,600	4,792,667	10,131,457
38									
39									
40 Total Pro Forma Bad Debt Expense Adjustment			(4,536)		-	11,343	32,006	-	38,813
41									
42 Total Adjustment			\$ (3,169,124)		\$ -	\$ 285,455	\$ 579,407	\$ 1,159,713	\$ (1,144,549)

Line Notes

2-6	Per Company's response to Commission 2-25-ELEC/GAS	
7(a)	Sum of Lines 3(a) - 5(a)	26 Line 24 - Line 23
7(b)	Sum of Lines 3(b) - 5(b)	28 Equals Line 19
Col (c)	Column (b) / Column (a)	29 Per Page 4 of 71 Column (d)
16	Per Page 4 of 71 Column (a)	30 Line 28 + Line 29
17	Per Page 4 of 71 Column (b)	34 Equals Line 21
19	Line 16 + Line 17	36 Line 34 * Line 30
21	Equals Line 10	37 Equals Line 23
23	Line 19 * Line 21	40 Line 37 - Line 36
24	Per Company books	42 Line 26 + Line 40

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Productivity and Efficiency Savings

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Proforma Adjustment	Rate Year Adjusted
1 Company Direct	\$ -	\$ -	\$ -	\$ -	\$ -
2 KeySpan Corporate Services (Discovery adj)	-	-	-	(36,347)	(36,347)
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	-	-	-	(2,590,836)	(2,590,836)
5 Other	-	-	-	-	-
6 Total	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (2,627,184)</u>	<u>\$ (2,627,184)</u>

Line Notes

2 & 4 Per Workpaper MDL-15, Pages 1 & 11

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Reallocation of Service Company Charges**

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1	Company Direct	-	-	-	-
2	KeySpan Corporate Services	-	-	-	-
3	KeySpan Utility Services	-	-	-	-
4	National Grid USA Services	-	-	4,514,843	4,514,843
5	Other	-	-	-	-
6	Total	<u>-</u>	<u>-</u>	<u>\$4,514,843</u>	<u>\$4,514,843</u>
7					
8					
9		(f)	(g)	(h)	(i)
10		Test Year	Test Year	\$ Change	% Change
11		Reallocated	Reallocated	\$ Change	% Change
12	Total Direct & Allocated charges originating from Service Companies	\$ 93,287,673	\$ 98,538,835	\$ 5,251,162	5.6%
13					
14		Test Year	Test Year	\$ Change	% Change
15		Reallocated	Reallocated	\$ Change	% Change
16	Total Allocated charges originating from Service Companies	\$44,485,666	\$49,736,828	\$5,251,162	11.8%
17					
18					
19				(j)	
20	Test Year reallocation adjustment			\$5,251,162	
21					
22	Less: Rate Year Labor & related benefits adjustments	(k)	(l)	(m)	
23	originating from Service Companies	Pro Forma	% change	Reallocation	
24		Adjustments	% change	Adjustment	
25	Labor	\$ (3,682,025)	5.6%	\$ (207,261)	
26	Healthcare	(139,764)	5.6%	(7,867)	
27	401K Match	(125,873)	5.6%	(7,085)	
28	401K Pension Replacement Plan	150,060	5.6%	8,447	
29	Payroll Taxes	(404,743)	5.6%	(22,783)	
30	OPEB	(1,062,396)	5.6%	(59,802)	
31	Pensions	(48,182)	5.6%	(2,712)	
32	Total			\$ (299,064)	
33					
34	Less: Test Year adjustments originating from	(n)	(o)	(p)	
35	Service Companies	Normalizing	% change	Reallocation	
36		Adjustments	% change	Adjustment	
37	Costs to Achieve Productivity & Efficiency savings	\$ (5,107,997)	11.8%	\$ (602,956)	
38	Total			\$ (602,956)	
39					
40	Reallocation adjustment net of normalization & pro forma adjustments			\$ 4,349,141	
41					
42	Inflation	3.81%		\$ 165,702	
43					
44	Total Rate Year Reallocation Adjustment			\$ 4,514,843	

Line Notes

4 Equals Line 44	28 Per Page 25 of 71 Lines 2(d) through 4(d)
12(f) Per Schedule MDL-2, Page 2 Col (c) + (d)	29 Per Page 33 of 71 Lines 2(d) through 4(d) plus Lines 46(x) through 48(x)
12(g) Per Schedule MDL-2, Page 3 Col (c) + (d)	30 Per Page 34 of 71 Lines 2(d) through 4(d)
16(f) Per Schedule MDL-2, Page 2 Col (d)	31 Per Page 35 of 71 Lines 2(d) through 4(d)
16(g) Per Schedule MDL-2, Page 3 Col (d)	32 Sum of Lines 25(m) through 31(m)
Col (h) Equals Col (g) - Col (f)	37 From Company books
Col (i) Equals Col (h) / Col (f)	38 Equals Line 37(p)
20 Equals Column (h)	40 Sum of Lines 20(j) through 38(j)
25 Per Page 10 of 71 Lines 2(d) through 4(d)	42 Line 40(j) times 3.81% inflation rate per Page 50 of 71
26 Per Page 23 of 71 Lines 2(d) through 4(d)	44 Line 40 + Line 42
27 Per Page 24 of 71 Lines 2(d) through 4(d)	

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Paperless Billing Adjustment

	(a)	(b)	(c)
	<u># of Paperless Bill Customers</u>	<u>Cost Per Paper Bill</u>	<u>COS Adjustment for Paperless Billing Savings</u>
1 January 2011	42,127	\$ 0.3232	\$ 13,614
2 February 2011	44,321	\$ 0.3243	\$ 14,373
3 February 2011	46,601	\$ 0.3261	\$ 15,195
4 February 2011	48,312	\$ 0.3297	\$ 15,929
5 May 2011	50,209	\$ 0.3222	\$ 16,178
6 June 2011	51,757	\$ 0.3294	\$ 17,049
7 July 2011	53,511	\$ 0.3170	\$ 16,962
8 August 2011	55,741	\$ 0.3398	\$ 18,940
9 September 2011	58,212	\$ 0.3190	\$ 18,569
10 October 2011	58,475	\$ 0.3289	\$ 19,234
11 November 2011	58,848	\$ 0.3425	\$ 20,156
12 December 2011	62,015	\$ 0.3360	\$ 20,839
13			
14 Total	630,129	\$ 0.3277	\$ 207,038

Column Notes

- (a) From Workpaper MDL-16, Page 1 of 1, Line 14
- (b) From Workpaper MDL-16, Page 1 of 1, Line 16
- (c) From Workpaper MDL-16, Page 1 of 1, Line 17

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Inflation Adjustment**

<u>Description</u>	(a) <u>Total Test Year Per Books</u>	(b) <u>Normalizing Adjustments</u>	(c) <u>Adjusted Books Year Ended December 31, 2011</u>
1 Total Test Year Operations and Maintenance Expense	\$ 616,065,651	\$ (118,539,823)	\$ 497,525,828
2			
3 Less Purchased Power	<u>376,831,161</u>	<u>-</u>	<u>376,831,161</u>
4			
5 Total Test Year Operations and Maintenance Expense to be Adjusted	\$ 239,234,490	\$ (118,539,823)	\$ 120,694,667
6			
7 <u>Test Year Amounts that are Specifically Adjusted:</u>			
8			
9 Labor - Page 10 of 71	\$ 49,296,024	\$ (9,294,058)	\$ 40,001,966
10 Healthcare - Page 23 of 71	6,023,664	(428,290)	5,595,374
11 401K - Page 24 of 71	1,096,289	(134,243)	962,046
12 401K Pensions - Page 25 of 71	3,023	-	3,023
13 Donations - Page 26 of 71	-	401,142	401,142
14 Computer Software - Page 27 of 71	3,739,868	(118,592)	3,621,276
15 Regulatory Assessment Fees - Page 28 of 71	3,009,083	(93,768)	2,915,315
16 Facilities - Page 29 of 71	2,746,223	(293,966)	2,452,257
17 Insurance Claims- Page 30 of 71	2,480,624	(76,333)	2,404,291
18 Insurance Premiums - Page 31 of 71	970,582	696	971,278
19 Payroll Taxes - Page 33 of 71	414,744	(32,015)	382,729
20 OPEB - Page 34 of 71	8,977,300	(558,792)	8,418,508
21 Pensions - Page 35 of 71	9,258,180	(699,569)	8,558,611
22 Postage - Page 36 of 71	2,014,865	(488)	2,014,377
23 Energy Efficiency - Page 37 of 71	34,495,893	(34,495,893)	-
24 Environmental Response Fund - Page 38 of 71	3,078,000	-	3,078,000
25 Storm Fund - Page 38 of 71	-	-	-
26 Additional OPEX related to additional CAPEX - Page 39 of 71	-	-	-
27 Advertising - Page 40 of 71	210,849	(146,168)	64,681
28 Transmission O&M - Integrated Facilities - Page 41 of 71	(52,986,986)	52,986,986	-
29 Transmission O&M Wheeling Costs NEP - Page 42 of 71	117,809,444	(117,809,444)	-
30 Uncollectibles - Commodity- Page 46 of 71	3,632,954	1,159,713	4,792,667
31 Uncollectibles - Transmission- Page 46 of 71	1,116,199	547,401	1,663,600
32 Uncollectibles - Conservation- Page 46 of 71	\$325,159	274,112	599,271
33 Uncollectibles - Delivery- Page 46 of 71	6,240,507	(3,164,588)	3,075,919
34 Company Share of Net Merger Synergies	<u>3,250,000</u>	<u>-</u>	<u>3,250,000</u>
35			
36 O&M Expenses Specifically Adjusted	\$ 207,202,488	\$ (111,976,157)	\$ 95,226,331
37			
38 Residual O&M Expenses Subject to Inflation	\$ 32,032,001	\$ (6,563,666)	\$ 25,468,336
39			
40 Inflation Factor %			3.81%
41			
42 Total Inflation Adjustment			\$ 970,344
43			
44			
45 <u>Calculation of Inflation Rate:</u>			
46	GDPPI	CPI	
47 Index - Midpoint of Test Year June 2011	113.1	224.5	
48			
49 Index - Midpoint of Rate Year June 2013	<u>117.3</u>	<u>233.3</u>	
50			
51 Increase in Index From Midpoint Of The Test Year			
52 To The Midpoint of Rate Year			
53 Inflation Factor %	<u>3.72%</u>	<u>3.90%</u>	<u>3.81%</u>
54			
55 Source: Blue Chip Consensus	1.86%	1.95%	

Line Notes

1	From Page 7 of 71, Line 1 + Line 37	40 Line 53(c)
3	From Page 7 of 71, Line 1	42 Line 38 x Line 40
5	Line 1 - Line 3	47 NIPA: Chain-Type Price Index - GDP, (Index, 2005=100, SA) Q2 2009 from Blue Chip Consensus
9-33	From Page 7 of 71, Line 3 through Line 34	49 NIPA: Chain-Type Price Index - GDP, (Index, 2005=100, SA) Q2 2011 from Blue Chip Consensus
34	From Page 7 of 71, Line 36	
36	Sum of Line 9 through Line 34	
38	Line 5 - Line 36	53 Line 49 / Line 47

The Narragansett Electric Company d/b/a National Grid
Adjustments to Interest on Customer Deposits
Test Year Ended December 31, 2011
Interest on Customer Deposits

1	Customer Deposit Balance at December 31, 2011	5,784,669
2		
3	Interest Rate to be Applied in Rate Year	2.78%
4		
5	Adjustment	160,814

Line Notes

- 1 From Company books
- 3 From Workpaper MDL-17
- 5 Line 1 x Line 3

The Narragansett Electric Company d/b/a National Grid
Pro forma Income Statement
Depreciation Expense

Line No.	Description	Source Factor Or Function (a)	Amount (b)
1	Total Company Rate Year Distribution Depreciation Expense	Line 58	\$ 44,985,990
2	Test Year Depreciation Expense	Per Company books	48,428,228
3	Less : Test Year IFA related Depreciation Expense	Workpaper MDL-1 Page 1 Line 9	(6,402,081)
4	Less: Reserve for write off of old work orders		(127,452)
5	Adjusted Total Company Test Year Distribution Depreciation Expense	Sum of Line 2 through Line 4	41,898,695
6	Depreciation Expense Adjustment	Line 1 - Line 5	\$ 3,087,296
7			
8			
9			Per Book Amount
10	Test Year Depreciation Expense 12 Months Ended 12/31/12:		
11	Total Distribution Utility Plant 12/31/11	From Page 64 of 71 Line 1(e)	\$ 1,264,385,192
12	Less Non Depreciable Plant	Workpaper MDL-19-ELEC Page 1, Line 49(g)	(14,110,472)
13	Depreciable Utility Plant 12/31/11	Line 10 + Line 11	1,250,274,720
14	Plus: Added Plant 12 Mos Ended 12/31/12	From Page 53 of 71 Line 13(c)	57,688,785
15	Less: Retired Plant 12 Months Ended 12/31/12	Line 14 x Retirement rate	(10,060,924)
16	Depreciable Utility Plant 12/31/12	Line 12 + Line 14 + Line 15	1,297,902,581
17			
18	Average Depreciable Plant for Year Ended 12/31/12	(Line 12 + Line 16)/2	\$ 1,274,088,650
19			
20	Composite Book Rate %	As approved per R.I.P.U.C Docket No 4065	3.40%
21			
22	Book Depreciation Reserve 12/31/11	From Page 64 of 71 Line 5(e)	554,328,227
23	Plus: Book Depreciation Expense	Line 18 x Line 20	43,319,014
24	Less: Net Cost of Removal/(Salvage)	Workpaper MDL-19-ELEC Page 2, Line 9(c)	(7,158,482)
25	Less: Retired Plant	Line 15	(10,060,924)
26	Book Depreciation Reserve 12/31/12	Sum of Line 22 through Line 25	580,427,835
27			
28	Depreciation Expense for January 31, 2013		
29	Total Utility Plant 12/31/12		1,312,013,053
30	Less Non Depreciable Plant		(14,110,472)
31	Depreciable Utility Plant 12/31/12	Line 16	1,297,902,581
32	Plus: Plant Added in January 2013	From Page 53 of 71 Line 13(d)	4,532,675
33	Less: Plant Retired in January 2013	Line 31 x Retirement rate	(790,499)
34	Depreciable Utility Plant 1/31/2013	Sum of Line 29 through Line 32	1,301,644,758
35	Average Depreciable Plant for Year Ended 1/31/13	(Line 29 + Line 33)/2	\$ 1,299,773,669
36			
37	Composite Book Rate %	As approved per R.I.P.U.C Docket No 4065	3.40%
38			
39	Book Depreciation Reserve 12/31/12	Line 26	580,427,835
40	Plus: Book Depreciation Expense January 31, 2013	Line 35 x Line 37	3,682,692
41	Less: Net Cost of Removal/(Salvage)	Workpaper MDL-19-ELEC Page 2, Line 9(d)	(589,583)
42	Less: Retired Plant	Line 32	(790,499)
43	Book Depreciation Reserve 1/31/13	Sum of Line 39 through Line 42	582,730,445
44			
45	Rate Year Depreciation Expense 12 Months Ended 1/31/14:		
46	Total Utility Plant 1/31/13		1,315,755,230
47	Less Non-Depreciable Plant		(14,110,472)
48	Depreciable Utility Plant 1/31/13	Line 33	1,301,644,758
49	Plus: Added Plant Twelve Months Ended 1/31/14	From Page 53 of 71 Line 13(e)	52,016,980
50	Less: Depreciable Retired Plant	Line 48 x Retirement rate	(9,071,761)
51	Depreciable Utility Plant 1/31/14	Sum of Line 46 through Line 49	1,344,589,976
52	Average Depreciable Plant for Rate Year Ended 1/31/14	(Line 46 + Line 51)/2	\$ 1,323,117,367
53			
54	Composite Book Rate %	As approved per R.I.P.U.C Docket No 4065	3.40%
55			
56	Book Depreciation Reserve 1/31/13	Line 43	582,730,445
57	Plus: Book Depreciation Expense	Line 53 x Line 55	44,985,990
58	Less: Net Cost of Removal/(Salvage)	Workpaper MDL-19-ELEC Page 2, Line 9(e)	(7,075,000)
59	Less: Retired Plant	Line 49	(9,071,761)
60	Book Depreciation Reserve 1/31/14	Sum of Line 57 through Line 60	\$ 611,569,674
61			

1/ Assumes 17.44% based on 2011 retirements as a percent of capital additions
Workpaper MDL-19-ELEC, Page 3 Line 2(g)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Rate Base
Analysis of Test Year Through Rate Year Capital Investment

Line No.		(a)	(b)	(c)	(d)	(e)
		January -March 2012	April -December 2012	CY 2012	January 2013	Rate Year February 1, 2013 - January 31, 2014
Distribution						
1	FY 2012 Approved ISR	16,631,200		16,631,200		
2	FY 2013 Approved ISR		38,524,755	38,524,755	4,280,528	8,561,057
3	FY 2014 Assumed FY 2013 ISR Level Amount					42,805,284
4	Total Distribution	<u>16,631,200</u>	<u>38,524,755</u>	<u>55,155,955</u>	<u>4,280,528</u>	<u>51,366,341</u>
7	Property Services	140,000	3,125,000	3,265,000	335,000	2,500,000
8	Fleet/Inventory Mgmt	0	275,000	275,000	-	0
9	Total General	<u>140,000</u>	<u>3,400,000</u>	<u>3,540,000</u>	<u>335,000</u>	<u>2,500,000</u>
10	Amount Applicable to Transmission	2.64% (3,697)	(89,786)	(93,483)	(8,847)	(66,019)
11	Amount Applicable to Distribution	<u>136,303</u>	<u>3,310,214</u>	<u>3,446,517</u>	<u>326,153</u>	<u>2,433,981</u>
12	Settlement Adjustment			(913,687)	(74,006)	(1,783,342)
13	Distribution and General	<u>\$ 16,767,503</u>	<u>\$ 41,834,969</u>	<u>\$ 57,688,785</u>	<u>\$ 4,532,675</u>	<u>\$ 52,016,980</u>

Line Notes

1(a)	FY 2012 Approved ISR per R.I.P.U.C.Docket 4218	48,802,200
	Less YTD Actuals thru December 2011	<u>(32,171,000)</u>
	Remaining FY 2012 ISR	16,631,200
2(b)	FY 2013 Approved ISR per R.I.P.U.C Docket 4307	51,366,341
	April - December 2012	<u>75%</u>
		38,524,755
2(d)	FY 2013 Approved ISR per R.I.P.U.C Docket 4307	51,366,341
	Janury 2013	<u>8.33%</u>
		4,280,528
3(d)	FY 2013 Approved ISR per R.I.P.U.C Docket 4307	51,366,341
	February - March 2013	<u>16.67%</u>
		8,561,057
3(e)	FY 2014 Assumed FY 2013 approved ISR Level	51,366,341
	April 2013 - January 2014	<u>83.33%</u>
		42,805,284

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Total Amortization

Line No.	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(a) + (b) (c) Adjusted Books Year Ended December 31, 2011	(d) Pro Forma Adjustments	(c) + (d) (e) Rate Year Adjusted
1	526,921	740,711	1,267,632	(924,000)	343,632
2	\$ 526,921	\$ 740,711	\$ 1,267,632	\$ (924,000)	\$ 343,632
3					
4	583,758	(117,627)	466,131	(80,022)	386,109
5	\$ 583,758	\$ (117,627)	\$ 466,131	\$ (80,022)	\$ 386,109
6					
7	(493,479)	99,455	(394,024)	394,024	-
8	\$ (493,479)	\$ 99,455	\$ (394,024)	\$ 394,024	\$ -
9					
10	\$ 617,200	\$ 722,539	\$ 1,339,739	\$ (609,998)	\$ 729,741
11					
12					
13					
14	Normalizing Adjustments				
15		(117,627)			
16		99,455			
17		397,079			
18		343,632			
19		\$ 722,539			

Line Notes

- 1(a) From Company books
- 1(b) Line 17 + Line 18
- 1(d) From Page 55 of 71, Line 11
- 2 Line 1
- 4(a) From Company books
- 4(b) Line 15
- 4(d) From Page 56 of 71, Line 7
- 5 Line 4
- 7(a) From Company books
- 7(b) Line 16
- 7(d) Line 7(c) x -1
- 8 Line 7
- 10 Sum of Lines 2, 5, and 8
- 15 From Page 56 of 71, Line 2
- 16 From Page 57 of 71, Line 2
- 17 From Page 55 of 71, Line 4
- 18 From Page 55 of 71, Line 5

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Regulatory Amortization

	<u>Description</u>	<u>Annual Expense</u>
1	Test Year Amortization of Regulatory Debits	\$ 526,921
2		
3	Normalization Adjustments:	
4	Reclassify Amortization of Merger CTA per R.I.P.U.C. Docket 4065	397,079
5	Reclassify Amortization of Rate Case Expense per R.I.P.U.C. Docket 4065	343,632
6	Total Normalizing Adjustments	\$ 740,711
7		
8	Adjusted Test Year Amortization Amount	\$ 1,267,632
9		
10	Proforma Adjustments:	
11	Remove amortization of Merger CTA	(924,000)
12		
13	Rate Year Adjusted Regulatory Amortization	\$ 343,632

Line Notes

- 1-5 From Company books
- 6 Line 4 + Line 5
- 8 Line 1 + Line 6
- 11 Line 1 + Line 4
- 13 Line 8 + Line 11

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Amortization of Loss on Reacquired Debt

	<u>Description</u>	<u>Annual Expense</u>
1	Test Year Loss Reacquired Debt	\$ 583,758
2	Less: IFA Related Expenses	(117,627)
3	Test Year Loss Reacquired Debt	\$ 466,131
4		
5	Rate Year Adjusted Loss Reacquired Debt	386,109
6		
7	Rate Year Adjustment for Loss Reacquired Debt	\$ (80,022)

Line Notes

- 1 From Company books
- 2 Workpaper MDL-1 Page 1 Line 18
- 3 Line 1 + Line 2
- 5 Workpaper MDL-20 Page 1 Line 7
- 7 Line 5 - Line 3

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Amortization of Investment Tax Credits

	<u>Description</u>		<u>Annual Expense</u>
1	Test Year Investment Tax Credits	\$	(493,479)
2	Less: Related IFA Expenses		99,455
3	Test Year Investment Tax Credits	\$	(394,024)
4			
5	Rate Year Investment Tax Credits	\$	(380,513)
6	Less: Related IFA Expenses		76,703
7			
8	Rate Year Investment Tax Credits Adjustment	\$	(303,810)

Line Notes

- 1 From Company books
- 2 Workpaper MDL-1, Page 1, Line 20
- 3 Line 1 + Line 2
- 5 Workpaper MDL- 18 Line 14
- 6 Line 5 times -20.16% from Workpaper MDL-1, Page 3 Line 33
- 8 Line 5 + Line 6

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Taxes Other than Income Taxes

Line No.	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(a) + (b) (c) Adjusted Books Year Ended December 31, 2011	(d) Pro Forma Adjustments	(c) + (d) (e) Rate Year Adjusted	
1	Property Taxes	30,090,801	(5,549,384)	24,541,417	6,085,240	30,626,657
2	Total Property Taxes	\$ 30,090,801	\$ (5,549,384)	\$ 24,541,417	\$ 6,085,240	\$ 30,626,657
3						
4	Other Taxes	1,229,764		1,229,764		1,229,764
5	Total Other Taxes	\$ 1,229,764	\$ -	\$ 1,229,764	\$ -	\$ 1,229,764
6						
7	Payroll Taxes	4,055,193	(206,939)	3,848,254	(141,071)	3,707,183
8	Total Payroll Taxes	\$ 4,055,193	\$ (206,939)	\$ 3,848,254	\$ (141,071)	\$ 3,707,183
9						
10	Total Taxes Other than Income Taxes	\$ 35,375,758	\$ (5,756,323)	\$ 29,619,434	\$ 5,944,169	\$ 35,563,603
11						
12	Gross Receipts Tax	30,674,656	(30,674,656)	-	-	-
13	Total Gross Receipts Tax	\$ 30,674,656	\$ (30,674,656)	\$ -	\$ -	\$ -
14						
15						
16						
17						
18						
19						
20	Normalizing Adjustments					
21	Property Taxes Reverse IFA related expenses		(5,549,384)			
22	Reverse amortization of Providence property tax settlement		0			
23	Total		\$ (5,549,384)			
24						

Line Notes

- 1(a) From Company books
- 1(b) Line 21
- 1(d) From Page 59 of 71, Line 17(c)
- 2 Line 1
- 4(a) From Company books
- 5 Line 4
- 7 From Page 33 of 71, Line 50
- 8 Line 7
- 10 Sum of Lines 2, 5, and 8
- 12(a) From Company books
- 12(b) Line 12(a) x -1
- 13 Line 12
- 21(b) Workpaper MDL-1, Page 1 Line 14

The Narragansett Electric Company d/b/a National Grid
Adjustments To Taxes Other Than Income
Test Year Ended December 31, 2011
Property Tax Expense

Line No.	Description	(a) Amount	(b) Amount	(c) Amount
1	Property Tax Expense for Calendar Year 2011			\$ 30,090,801
2	Less: IFA Related Expenses			5,549,384
3	Less: Amortization of the Providence Tax Settlement			883,333
4	Adjusted Test Year Property Tax Expense			\$ 23,658,084
5				
6	Three Year Average Percentage Increase in Property Taxes			11.6%
7				
8	Property Tax Expense for Calendar Year 2012	\$	26,399,618	
9	Property Tax Expense for Calendar Year 2013	\$	29,458,846	
10	Property Tax Expense for Calendar Year 2014	\$	32,872,581	
11				
12	Property Tax Expense for Rate Year	\$	29,743,324	
13				
14				
15				
16				
17	Total Property Tax Adjustment			\$ 6,085,240
18				
19				
20				
21				
22				
23				
24				
25				
26	Three Year Average Property Tax Expense Growth Rate:	<u>Year</u>	<u>Property Taxes</u>	<u>Percentage Inc/(Dec)</u>
27				
28		2011	\$ 23,658,084	18.5%
29		2010	\$ 19,962,667	7.2%
30		2009	\$ 18,625,667	9.1%
31		2008	\$ 17,076,089	

Line Notes

1 & 3	Per Company books as of 12/31/2011
2	Per Workpaper MDL-1, Page 1 Line 14
4	Sum of Lines 1 - 3
6	Sum of Column (c) Lines 28 through 30 / 3
8	Line 4 x (1 + Line 6)
9	Line 8 x (1 + Line 6)
10	Line 9 x (1 + Line 6)
12	(Line 9 / 12) x 11) + (Line 10 / 12)
14	Line 12 - Line 4
Col (b) 28	Equals Line 4
Col (b) 29-31	Per Company books less annual amortization of the Providence tax settlement of \$883,333 which expires December 2012.
Col (c) 28	(Col (b) Line 28 - Col (b) Line 29) / Col (b) Line 29
Col (c) 29	(Col (b) Line 29 - Col (b) Line 30) / Col (b) Line 30
Col (c) 30	(Col (b) Line 30 - Col (b) Line 31) / Col (b) Line 31

The Narragansett Electric Company d/b/a National Grid
Computation of Federal Income
Test Year Ended December 31, 2011
Income Tax Schedule

	(a)	(b)	(c)	(d)	(c) + (d)
		Test Year	Adjusted	Proposed	(e)
		<u>Adjusted Books</u>	<u>Rate Year</u>	<u>Rate Increase</u>	<u>After</u>
					<u>Rate Increase</u>
1 Operating Income Before					
2 Taxes per Page 1 of 71, Line 19		\$ 45,470,369	\$ 34,270,930	\$ 21,276,876	\$ 55,547,806
3					
4 Less:					
5					
6 Interest Costs	2.60%	13,830,344	14,595,871		14,595,871
7					
8					
9 Taxable Income		<u>\$ 31,640,025</u>	<u>\$ 19,675,059</u>	<u>\$ 21,276,876</u>	<u>\$ 40,951,935</u>
10					
11 Federal Tax	35.00%	\$ 11,074,009	\$ 6,886,271	\$ 7,446,907	\$ 14,333,178
12					
13 Deferred income tax deficiency from Docket 4065			650,000		650,000
14					
15 Amortization of Investment Tax Credits		(394,024)	(303,810)	-	(303,810)
16					
17 Net Federal Income Tax		<u>\$ 10,679,985</u>	<u>\$ 7,232,461</u>	<u>\$ 7,446,907</u>	<u>\$ 14,679,368</u>

Line Notes

- 2(b)-(e) Income Taxes per Page 1 of 71, Line 19
- 6(a) From Page 61 of 71, Line 1(e) + Line 3(e)
- 6(b) From Page 63 of 71, Line 24(a) x Line 6(a)
- 6(c)-(e) From Page 63 of 71, Line 24(c) x Line 6(a)
- 9 Line 2 - Line 6
- 11 Line 9 x Line 11, Column (a)
- 13 Deferred income tax deficiency from Docket 4065
- 15(b) From Page 57 of 71, Line 3
- 15(c) From Page 57 of 71, Line 8
- 15(d) Sum of Line 15 Column (c) thru Column (d)
- 17 Sum of Line 11 thru Line 15

The Narragansett Electric Company d/b/a National Grid
Capital Structure Summary
Test Year Ended December 31, 2011

	(a)	(b)	(c)	(d)	(e)
	<u>Capital Structure</u>	<u>Cost Rate</u>	<u>Weighted Return</u>	<u>Taxes</u>	<u>Pre-tax Return</u>
1	Short Term Debt	0.76%	0.79%	0.01%	0.01%
2					
3	Long Term Debt	49.95%	5.19%	2.59%	2.59%
4					
5	Preferred Stock	0.15%	4.50%	0.01%	0.01%
6					
7	Common Equity	49.14%	9.50%	4.67%	2.51%
8					
9	Total Capitalization	<u>100.00%</u>	<u>7.28%</u>	<u>2.51%</u>	<u>9.79%</u>

Line Notes

Per Settlement Agreement

The Narragansett Electric Company d/b/a National Grid
Long Term Debt Summary
Test Year Ended December 31, 2011
Weighted Average Cost of Debt

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	
	Interest Rate	Maturity Date	Amount Outstanding in \$000	Annual Interest Expense in \$000	Annual Amortization of DD&E in \$000	Total Expense in \$000	Cost of Debt	
Panel A: Long-term debt								
Unsecured notes:								
1	Senior Note	4.534%	March 15, 2020	\$250,000	\$11,335	664.6	\$11,999.6	4.80%
2	Senior Note	5.638%	March 15, 2040	300,000	16,914	279.3	17,193.3	5.73%
3	Subtotal							5.31%
4								
5	First mortgage bonds ¹							
6	FMB Series N	9.630%	May 30, 2020	10,000	963	4.1	967.1	9.67%
7	FMB Series O	8.460%	September 30, 2022	12,500	1,058	4.3	1,061.8	8.49%
8	FMB Series P	8.090%	September 30, 2022	6,875	556	3.5	559.6	8.14%
9	FMB Series R	7.500%	December 15, 2025	10,500	788	4.1	791.6	7.54%
10	FMB Series S	6.820%	April 1, 2018	14,464	986	7.0	993.5	6.87%
11	Subtotal							8.05%
12								
13	30-Year Senior Notes	4.850%	November 1, 2042	200,000	9,700	50.0	9,750.0	4.88%
14	Total			\$804,339	\$42,300	\$1,017	\$43,316	5.39%
15								
16								
17	Panel B: Weighted Average Cost of Debt by Segment							
18								
19								
20	Electric Operations	73%		590,334	29,870	782	30,652	5.19%
21	Gas Operations	27%		214,005	12,430	235	12,664	5.92%
22	Total			\$804,339	\$42,300	\$1,017	\$43,316	5.39%

¹ Backed entirely by gas assets. This debt was assumed by the Narragansett Electric Company when National Grid purchased the gas assets of the New England Gas Company from the Southern Union Company and merged them into Narragansett Electric.

Line Notes

Per Settlement Agreement

The Narragansett Electric Company d/b/a National Grid
Test Year Ended December 31, 2011
Distribution Rate Base Calculation

Line No.	Description	(a) Test Year End 12/31/11 5 Quarter Average	(b) Adjustments	(c) Rate Year End 1/31/14 5 Quarter Average
1	Utility Plant In Service	\$ 1,247,903,880	\$ 89,323,959	\$ 1,337,227,839
2				
3	Property Held for Future Use	-	-	-
4	Less: Contribution in Aid of Construction	102,772	-	102,772
5	Less: Accumulated Depreciation	540,145,787	57,004,273	597,150,059
6				
7	Net Plant	<u>\$ 707,655,322</u>	<u>\$ 32,319,686</u>	<u>\$ 739,975,008</u>
8				
9	Materials and Supplies	\$ 4,555,793	\$ 801,396	\$ 5,357,189
10	Prepayments	569,604	943,948	1,513,552
11	Loss on Reacquired Debt	4,006,550	(941,884)	3,064,666
12	Cash Working Capital	4,975,475	-	4,975,475
13	Unamortized Interest Rate Lock \$550M	4,472,609	\$ (770,273)	3,702,336
14	Unamortized Debt Issuance Costs \$550M	1,653,382	\$ (204,991)	1,448,391
15	Unamortized Debt Issuance Costs \$200M	-	\$ 711,068	711,068
16	Subtotal	<u>\$ 20,233,413</u>	<u>\$ 539,263</u>	<u>\$ 20,772,676</u>
17				
18	Accumulated Deferred FIT	\$ 184,704,379	\$ 1,477,424	\$ 186,181,803
19	Accumulated Deferred FIT -Loss on Reacquired Debt	\$ 1,402,293	\$ (329,659)	\$ 1,072,633
20	Customer Deposits	4,938,152	2,267,847	7,206,000
21	Division Adj - Injuries & Damages Reserve	4,907,597	-	4,907,597
22	Subtotal	<u>\$ 195,952,420</u>	<u>\$ 3,415,612</u>	<u>\$ 199,368,032</u>
23				
24	Rate Base	<u><u>\$ 531,936,315</u></u>	<u><u>\$ 29,443,337</u></u>	<u><u>\$ 561,379,652</u></u>

Column / Line Notes

- (a) Column (a) From Page 64 of 71 Column (f)
- (b) Column (b) = Column (c) - Column (a)
- 1 (c) From Page 67 of 71 Line 28
- 4(c) From Page 69 of 71 Line 21 Col (a)
- 5(c) From Page 68 of 71 Line 30
- 7 Line 1 - Line 4 - Line 5
- 9(c) From Page 69 of 71 Line 21 Col (b)
- 10(c) From Page 69 of 71 Line 21 Col (c)
- 11(c) From Page 69 of 71 Line 21 Col (d)
- 12(c) From Page 71 of 71 Line 38
- 13 Settlement Adjustment - From Page 69 of 71 Line 21 Col (f)
- 14 Settlement Adjustment - From Page 69 of 71 Line 21 Col (g)
- 15 Settlement Adjustment - From Page 69 of 71 Line 21 Col (h)
- 16 Sum of Line 9 through Line 15
- 18(c) From Page 70 of 71 Line 25
- 19(c) Settlement Adjustment - Line 11 * 35%
- 20(c) From Page 69 of 71 Line 21 Col (e)
- 21(c) Per Settlement Agreement
- 22 Sum of Line 18 through Line 21
- 24 Line 7 + Line 16 - Line 22

THE NARRAGANSETT ELECTRIC COMPANY
Test Year Rate Base - Distribution
Five Quarter Average

Line No.	Description	(a) December 2010	(b) March 2011	(c) June 2011	(d) September 2011	(e) December 2011	(f) 5 Quarter Average
1	Utility Plant in Service	\$ 1,233,654,208	\$ 1,238,179,889	\$ 1,246,262,436	\$ 1,257,037,677	\$ 1,264,385,192	\$ 1,247,903,880
2	Property Held for Future Use	-	-	-	-	-	-
3	Less: Contribution in Aid of Construction	102,772	102,772	102,772	102,772	102,772	102,772
4	Less: Accumulated Depreciation	525,488,329	533,094,728	539,579,943	548,237,706	554,328,227	540,145,787
5							
6							
7	Net Plant in Service	\$ 708,063,108	\$ 704,982,389	\$ 706,579,721	\$ 708,697,199	\$ 709,954,193	\$ 707,655,322
8							
9	Plus:						
10	Materials and Supplies	\$ 3,935,988	\$ 4,191,741	\$ 4,362,396	\$ 4,952,801	\$ 5,336,036	\$ 4,555,793
11	Prepayments	(52,775)	789,414	(103,125)	700,954	1,513,552	569,604
12	Loss on Reacquired Debt	4,195,952	4,153,340	4,034,799	3,902,355	3,746,306	4,006,550
13	Cash Working Capital	4,975,475	4,975,475	4,975,475	4,975,475	4,975,475	4,975,475
14	Unamortized Interest Rate Lock \$550M	4,657,474	4,565,042	4,472,609	4,380,177	4,287,745	4,472,609
15	Unamortized Debt Issuance Costs \$550M	1,706,690	1,676,757	1,652,289	1,627,821	1,603,354	1,653,382
16	Subtotal	\$ 19,418,804	\$ 20,351,769	\$ 19,394,443	\$ 20,539,584	\$ 21,462,468	\$ 20,233,413
17							
18	Less:						
19	Accumulated Deferred FIT	\$ 172,828,049	\$ 181,042,337	\$ 188,652,758	\$ 192,314,243	\$ 188,684,507	\$ 184,704,379
20	Accumulated Deferred FIT - Loss on Reacquired Debt	1,468,583	1,453,669	1,412,180	1,365,824	1,311,207	\$ 1,402,293
21	Customer Deposits	3,409,639	4,254,110	5,517,422	5,724,922	5,784,669	4,938,152
22	Division Adj - Injuries & damages reserve	4,730,520	4,780,819	4,685,011	5,041,896	5,299,736	4,907,597
23	Subtotal	\$ 182,436,791	\$ 191,530,935	\$ 200,267,371	\$ 204,446,885	\$ 201,080,120	\$ 195,952,420
24							
25	Rate Base	\$ 545,045,121	\$ 533,803,222	\$ 525,706,793	\$ 524,789,898	\$ 530,336,541	\$ 531,936,315

Column/Line Notes

- Column (a) = Column (a) from Page 66 of 71 minus Column (a) from Page 65 of 71
- Column (b) = Column (b) from Page 66 of 71 minus Column (b) from Page 65 of 71
- Column (c) = Column (c) from Page 66 of 71 minus Column (c) from Page 65 of 71
- Column (d) = Column (d) from Page 66 of 71 minus Column (d) from Page 65 of 71
- Column (e) = Column (e) from Page 66 of 71 minus Column (e) from Page 65 of 71
- 14-15 Per Settlement Agreement
- 20 Line 12 * 35%
- 22 Per Settlement Agreement
- 25 Line 7 + Line 16 - Line 23

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323
Amended Attachment 1
Schedule MDL-3-ELEC-S
Page 65 of 71

The Narragansett Electric Company d/b/a National Grid
Test Year Rate Base - Integrated Facilities Agreement (IFA)
Five Quarter Average

Line No.	Description	(a) December 2010	(b) March 2011	(c) June 2011	(d) September 2011	(e) December 2011	(f) 5 Quarter Average
1	Utility Plant in Service	\$ 291,737,455	\$ 293,039,027	\$ 296,780,648	\$ 302,882,774	\$ 324,533,645	\$ 301,794,710
2	Property Held for Future Use	\$ 12,735,777	\$ 12,735,777	\$ 12,735,777	\$ 12,735,777	\$ 12,735,777	\$ 12,735,777
3	Less: Contribution in Aid of Construction						
4	Less: Accumulated Depreciation	\$ 83,108,433	\$ 83,683,819	\$ 83,366,722	\$ 82,110,822	\$ 83,558,648	\$ 83,165,689
5							
6	Net Plant in Service	\$ 221,364,799	\$ 222,090,985	\$ 226,149,702	\$ 233,507,729	\$ 253,710,774	\$ 231,364,798
7							
8	Plus:						
9	Materials and Supplies	\$ 1,060,303	\$ 1,034,658	\$ 1,076,818	\$ 1,246,919	\$ 1,418,965	\$ 1,167,533
10	Prepayments	52,775	260,446	103,125	305,597	536,775	251,744
11	Loss on Reacquired Debt	1,130,333	1,025,180	995,954	982,458	996,222	1,026,029
12	Cash Working Capital	445,066	1,209,277	1,383,206	2,994,268	(1,551,535)	896,056
13	Unamortized Interest Rate Lock \$550M	2,882,423	2,825,218	2,768,014	2,710,809	2,653,605	1,537,785
14	Unamortized Debt Issuance Costs \$550M	1,056,238	1,037,713	1,022,571	1,007,428	992,285	568,471
15	Subtotal	\$ 6,627,139	\$ 7,392,492	\$ 7,349,688	\$ 9,247,480	\$ 5,046,316	\$ 5,447,618
16							
17	Less:						
18	Accumulated Deferred FIT	\$ 32,971,221	\$ 32,617,308	\$ 36,162,005	\$ 40,863,875	\$ 38,883,235	\$ 36,299,529
19	Accumulated Deferred FIT - Loss on Reacquired Debt	\$ 395,617	\$ 358,813	\$ 348,584	\$ 343,860	\$ 348,678	\$ 359,110
20	Customer Deposits	-	-	-	-	-	-
21	Injuries & damages reserve	1,194,480	1,207,181	1,182,989	1,273,104	1,338,210	1,239,193
22	Subtotal	\$ 34,561,318	\$ 34,183,302	\$ 37,693,578	\$ 42,480,840	\$ 40,570,123	\$ 37,897,832
23							
24	Rate Base	\$ 193,430,620	\$ 195,300,176	\$ 195,805,813	\$ 200,274,369	\$ 218,186,968	\$ 198,914,584

Column/Line Notes

- 1 From Workpaper MDL-1 Page 3 Line 8
- 3 From Workpaper MDL-1 Page 3 Line 10
- 5 From Workpaper MDL-1 Page 3 Line 17
- 10 From Workpaper MDL-1 Page 3 Line 21
- 11 From Workpaper MDL-1 Page 3 Line 23
- 12 From Workpaper MDL-1 Page 3 Line 25
- 13 From Workpaper MDL-1 Page 3 Line 29
- 14 Per Settlement Agreement
- 15 Per Settlement Agreement
- 18 From Workpaper MDL-1 Page 3 Line 27
- 20 Line 12 * 35%
- 22 Per Settlement Agreement
- 23 Line 7 + Line 16 - Line 23

The Narragansett Electric Company d/b/a National Grid
Test Year Rate Base - Total Distribution and IFA
Five Quarter Average

Line No.	Description	(a) December 2010	(b) March 2011	(c) June 2011	(d) September 2011	(e) December 2011	(f) 5 Quarter Average
1	Utility Plant in Service	\$ 1,525,391,663	\$ 1,531,218,916	\$ 1,543,043,084	\$ 1,559,920,450	\$ 1,588,918,837	\$ 1,549,698,590
2							
3	Property Held for Future Use	12,735,777	12,735,777	12,735,777	12,735,777	12,735,777	12,735,777
4	Less: Contribution in Aid of Construction	102,772	102,772	102,772	102,772	102,772	102,772
5	Less: Accumulated Depreciation	608,596,762	616,778,547	622,946,665	630,348,528	637,886,875	623,311,475
6							
7	Net Plant in Service	\$ 929,427,907	\$ 927,073,374	\$ 932,729,424	\$ 942,204,928	\$ 963,664,967	\$ 926,284,343
8							
9	Plus:						
10	Materials and Supplies	4,996,291	5,226,399	5,439,215	6,199,721	6,755,001	5,723,325
11	Prepayments	-	1,049,860	-	1,006,551	2,050,327	821,348
12	Loss on Reacquired Debt	5,326,285	5,178,519	5,030,753	4,884,814	4,742,527	5,032,580
13	Cash Working Capital	5,420,341	6,184,752	6,358,681	7,969,743	3,423,940	5,871,531
14	Unamortized Interest Rate Lock \$550M	7,539,897	7,390,260	7,240,623	7,090,986	6,941,350	4,022,568
15	Unamortized Debt Issuance Costs \$550M	2,762,928	2,714,470	2,674,860	2,635,249	2,595,639	1,487,016
16	Subtotal	\$ 26,045,942	\$ 27,744,261	\$ 26,744,132	\$ 29,787,064	\$ 26,508,784	\$ 22,958,369
17							
18	Less:						
19	Accumulated Deferred FIT	205,799,270	213,659,646	224,814,763	233,178,118	227,567,743	221,003,908
20	Accumulated Deferred FIT - Loss on Reacquired Debt	1,864,200	1,812,482	1,760,764	1,709,685	1,659,885	1,761,403
21	Customer Deposits	3,409,639	4,254,110	5,517,422	5,724,922	5,784,669	4,938,152
22	Injuries & Damages Reserve	5,925,000	5,988,000	5,868,000	6,315,000	6,637,946	6,146,789
23	Subtotal	\$ 216,998,109	\$ 225,714,237	\$ 237,960,948	\$ 246,927,724	\$ 241,650,243	\$ 233,850,252
24							
25	Rate Base	\$ 738,475,740	\$ 729,103,398	\$ 721,512,607	\$ 725,064,267	\$ 748,523,508	\$ 715,392,459

Line Notes
Column (a) - (e) From Company books
14-15 Per Settlement Agreement
20 Line 12 * 35%
22 Per Settlement Agreement
23 Line 7 + Line 16 - Line 23

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323
Amended Attachment 1
Schedule MDL-3-ELEC-S
Page 67 of 71

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Plant in Service

Line No.	Description	Period	Distribution Plant In Service
1	Balance @ December 31, 2011		\$ 1,264,385,192
2			
3	Plus: Plant Additions 12 Months Ended 12/31/12		57,688,785
4	Less: Plant Retirements 12 Months Ended 12/31/12		(10,060,924)
5	Net Increase		\$ 47,627,861
6			
7	Balance @ December 31, 2012		1,312,013,053
8			
9	Plus: Plant Additions for January 1/31/13		4,532,675
10	Less: Plant Retirements January 1/31/13		(790,499)
11	Net Increase		\$ 3,742,177
12			
13	Balance as of	1/31/13	1,315,755,230
14			
15		2/28/13	1,319,333,998
16		3/31/13	1,322,912,766
17		4/30/13	1,326,491,534
18		5/30/13	1,330,070,303
19		6/30/13	1,333,649,071
20		7/31/13	1,337,227,839
21		8/31/13	1,340,806,607
22		9/30/13	1,344,385,375
23		10/31/13	1,347,964,144
24		11/30/13	1,351,542,912
25		12/31/13	1,355,121,680
26		1/31/14	1,358,700,448
27			
28	Rate Year Plant in Service - 5 Quarter Average		\$ 1,337,227,839
29			
30	1/ Adjustment Detail:		
31	Plant Detail 12 Months Ended 1/31/14		
32	Plant Additions 12 Months Ended 1/31/14		\$ 52,016,980
33	Plant Retirements 12 Months Ended 1/31/14		(9,071,761)
34	Net Increase / (Decrease)		\$ 42,945,218
35			
36	Monthly Increase / (Decrease)		\$ 3,578,768

Line Notes

- 1 From Page 64 of 71 Line 1(e)
- 3 From Page 52 of 71 Line 14
- 4 From Page 52 of 71 Line 15
- 5 Line 3 + Line 4
- 7 Line 1 + Line 5
- 9 From Page 52 of 71 Line 31
- 10 From Page 52 of 71 Line 32
- 11 Line 9 + Line 10
- 13 Line 7 + Line 11
- 15-26 Prior month balance + Line 36
- 28 Average of Lines 13, 17, 20, 23 and 26
- 32 From Page 52 of 71 Line 48
- 33 From Page 52 of 71 Line 49
- 34 Line 32 + Line 33
- 36 Line 34 / 12

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Accumulated Depreciation

Line No.	Description	Period	Accumulated Depreciation
1	Balance @ December 31, 2011		\$ 554,328,227
2			
3	Depreciation Expense 1/1/12 - 12/31/12		43,319,014
4	Less: Net Cost of Removal / (Salvage)		(7,158,482)
5	Less: Retirements		(10,060,924)
6	Net Increase		\$ 26,099,608
7			
8	Balance @ December 31, 2012		580,427,835
9			
10	Depreciation Expense 1/1/13 - 1/31/13		3,682,692
11	Less: Net Cost of Removal / (Salvage)		(589,583)
12	Less: Retirements		(790,499)
13	Net Increase / (Decrease)		\$ 2,302,610
14			
15	Balance as of:	1/31/13	582,730,445
16			
17		2/28/13	1/ \$ 585,133,714
18		3/31/13	1/ 587,536,983
19		4/30/13	1/ 589,940,252
20		5/30/13	1/ 592,343,521
21		6/30/13	1/ 594,746,790
22		7/31/13	1/ 597,150,059
23		8/31/13	1/ 599,553,329
24		9/30/13	1/ 601,956,598
25		10/31/13	1/ 604,359,867
26		11/30/13	1/ 606,763,136
27		12/31/13	1/ 609,166,405
28		1/31/14	1/ 611,569,674
29			
30	Rate Year Accumulated Depreciation - Five Quarter Average		\$ 597,150,059
31			
32	1/ <u>Rate Year Ended 1/31/14 Depreciation Reserve Detail:</u>		
33	Depreciation Expense		\$ 44,985,990
34	Net Cost of Removal / (Salvage)		(7,075,000)
35	Less: Retirements		(9,071,761)
36	Net Increase / (Decrease)		\$ 28,839,229
37			
38	Monthly Increase / (Decrease)		\$ 2,403,269

Line Notes

1	From Page 52 of 71 Line 22	17-29	Prior month balance + Line 38
3	From Page 52 of 71 Line 23	30	Average of Lines 15, 19, 22, 25 and 28
4	From Page 52 of 71 Line 24	33	From Page 52 of 71 Line 58
5	From Page 52 of 71 Line 25	34	From Page 52 of 71 Line 59
6	Line 3 + Line 4 + Line 5	35	From Page 52 of 71 Line 60
8	Line 1 + Line 6	36	Line 33 + Line 34 + Line 35
10	From Page 52 of 71 Line 40	38	Line 36 / 12
11	From Page 52 of 71 Line 41		
12	From Page 52 of 71 Line 42		
13	Line 10 + Line 11 + Line 12		
15	Line 8 + Line 13		

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Other Rate Base Adjustments

Line No.	Description	Period	(a) CIAC	(b) Materials and Supplies	(c) Prepayments	(d) Loss on Reacquired Debt	(e) Customer Deposits	(f) Unamort Lock	(g) \$550M Unamort Issuance Costs	(h) \$200M Unamort Issuance Costs
1	Distribution Only Balance @ December 31, 2011		\$ 102,772	\$ 5,336,036	\$ 1,513,552	\$ 3,746,306	\$ 5,784,669	\$ 4,287,745	\$ 1,603,354	\$ -
2										
3	Total 2012 Increase/(Decrease)		- 1/	13,502 2/	- 1/	(443,434) 2/	907,232 2/	(369,732) 2/	(97,871) 2/	\$ - 725,248
4										
5	Distribution Only Balance @ December 31, 2012		\$ 102,772	\$ 5,349,538	\$ 1,513,552	\$ 3,302,871	\$ 6,691,901	\$ 3,918,013	\$ 1,505,482	\$ 725,248
6										
7		1/31/13	102,772	5,350,663	1,513,552	3,267,378	6,767,504	3,887,202	1,497,326	723,223
8		2/28/13	102,772	5,351,788	1,513,552	3,231,885	6,843,107	3,856,391	1,489,170	721,197
9		3/31/13	102,772	5,352,913	1,513,552	3,196,392	6,918,710	3,825,580	1,481,014	719,171
10		4/30/13	102,772	5,354,038	1,513,552	3,160,899	6,994,312	3,794,769	1,472,859	717,145
11		5/31/13	102,772	5,355,163	1,513,552	3,125,406	7,069,915	3,763,958	1,464,703	715,119
12		6/30/13	102,772	5,356,289	1,513,552	3,089,913	7,145,518	3,733,147	1,456,547	713,093
13		7/31/13	102,772	5,357,414	1,513,552	3,054,420	7,221,120	3,702,336	1,448,391	711,068
14		8/31/13	102,772	5,358,539	1,513,552	3,018,927	7,296,723	3,671,525	1,440,235	709,042
15		9/30/13	102,772	5,359,664	1,513,552	2,985,396	7,372,326	3,640,714	1,432,079	707,016
16		10/31/13	102,772	5,360,789	1,513,552	2,959,364	7,447,928	3,609,903	1,423,923	704,990
17		11/30/13	102,772	5,361,914	1,513,552	2,933,333	7,523,531	3,579,092	1,415,767	702,964
18		12/31/13	102,772	5,361,914	1,513,552	2,907,301	7,523,531	3,548,281	1,407,611	700,938
19		1/31/14	102,772	5,363,039	1,513,552	2,881,269	7,599,134	3,517,470	1,399,455	698,913
20										
21	Rate Year Amounts - Five Quarter Average		\$ 102,772	\$ 5,357,189	\$ 1,513,552	\$ 3,064,666	\$ 7,206,000	\$ 3,702,336	\$ 1,448,391	\$ 711,068
22										
23	Changes:									
24	Total 2012 Increase/(Decrease)		\$ - 1/	\$ 16,910 2/	\$ - 1/	3/	\$ 907,232 2/	\$ (369,732) 2/	\$ (97,871) 2/	\$ (24,310)
25										
26	Percentage Applicable to IFA		0.00%	20.16%	20.16%	20.16%	0.00%	0.00%	0.00%	0.00%
27										
28	Less Amount Applicable to IFA		-	(3,409)	-	-	-	-	-	-
29										
30	Total 2012 Distribution Only Increase/(Decrease)		-	13,502	-	-	907,232	(369,732)	(97,871)	(24,310)
31										
32	Monthly Change		\$ -	\$ 1,125	\$ -	\$ -	\$ 75,603	\$ (30,811)	\$ (8,156)	\$ (2,026)

1/ Assumes no change in 2011 balance
2/ Adjustment based on average annual change for the prior 3 years
3/ Workpaper MDL-20-ELEC Page 2 Line 14(h)

Line Notes

1(a)	From Page 64 of 71 Line 4(e)	24	Workpaper MDL-21-ELEC Page 1 Line 9
1 (b)	From Page 64 of 71 Line 10(e)	26	Workpaper MDL-21-ELEC Page 1 Line 11
1 (c)	From Page 64 of 71 Line 11(e)	28	Line 26 x [- Line 24]
1 (d)	From Page 64 of 71 Line 12(e)	30	Line 24 + Line 28
1 (e)	From Page 64 of 71 Line 21(e)	32	Line 30 / 12 Months
3	Footnotes 1/ and 2/ above		
5	Line 1 + Line 3		
7 to 19	Prior Month Balance + Monthly change at Line 32		
21	Average of Lines 7, 10, 13, 16 and 19		

Column Note

(f)-(h) Per Settlement Agreement

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Accumulated Deferred Income Taxes

Line No.	Description	Period or Amount	Amount	Amount	Accumulated Deferred Income Tax
1	Balance as of December 31, 2011				\$ 188,684,507
2					
3	Adjustment for Repairs Safe Harbor as of 3/31/12				(7,403,074) 1/
4	Increase / (Decrease) 12 Months Ended 12/31/12				<u>5,546,827</u>
5					
6	Balance as of December 31, 2012				186,828,261
7					
8	Increase / (Decrease) 1 Months Ended 1/31/13				521,151 2/
9					
10	Balance as of:	1/31/13			187,349,412
11					
12		2/28/13			187,185,419 3/
13		3/31/13			187,021,427 3/
14		4/30/13			186,857,434 3/
15		5/30/13			186,693,442 3/
16		6/30/13			186,529,449 3/
17		7/31/13			186,365,457 3/
18		8/31/13			186,201,464 3/
19		9/30/13			186,037,471 3/
20		10/31/13			185,873,479 3/
21		11/30/13			185,709,486 3/
22		12/31/13			185,545,494 3/
23		1/31/14			185,381,501 3/
24	Settlement Adjustment				<u>(183,654)</u>
25	Rate Year Accumulated Deferred Income Tax - Five Quarter Average				<u>\$ 186,181,803</u>
26					
27					
28	1/ <u>12 Months Ended 12/31/12:</u>	<u>Book</u>	<u>Tax</u>	<u>Difference</u>	
29		(a)	(b)	(c)	
30	Depreciation	\$ 43,331,838	\$ 59,179,916	\$ 15,848,078	
31	Income Tax Rate			35.00%	
32	Annual Change to Accumulated Deferred Taxes			<u>\$ 5,546,827</u>	
33					
34	Adjustment for Repairs Safe Harbor as of March 31, 2012			\$ (21,151,640)	
35	Income Tax Rate			35.00%	
36	Decrease to Accumulated Deferred Taxes			<u>\$ (7,403,074)</u>	
37					
38	2/ <u>1 Months Ended 1/31/13:</u>				
39					
40	Depreciation	\$ 3,684,916	\$ 5,173,919	\$ 1,489,003	
41	Income Tax Rate			35%	
42	Annual Change to Accumulated Deferred Taxes			<u>\$ 521,151</u>	
43					
44	3/ <u>12 Months Ended 1/31/14:</u>				
45					
46	Depreciation	\$ 45,038,745	\$ 39,416,143	\$ (5,622,602)	
47	Income Tax Rate			35.00%	
48	Annual Change to Accumulated Deferred Taxes			<u>\$ (1,967,911)</u>	
49					
50	Monthly Change to Accumulated Deferred Taxes			<u>\$ (163,993)</u>	

Line Notes

1	From Page 64 of 71 Line 19(e)	40(a)	From Page 52 of 71 Line 40
3	Line 36	40(b)	Workpaper MDL-22-ELEC Page 1, Line 11(b)
4	Line 32	40(c)	Line 40(a) - Line 40(b)
6	Sum of Line 1 thru Line 4	42	Line 40(c) x Line 41
8	Line 42	46(a)	From Page 52 of 71 Line 58
10	Line 6 + Line 8	46(b)	Workpaper MDL-22-ELEC Page 1, Line 11(c)
12-23	Prior Month Balance + Monthly change at Line 50	46(c)	Line 46(a) - Line 46(b)
25	Average of Lines 10, 14, 17, 20 and 23 plus Line 24	48	Line 46(c) x Line 47
30(a)	From Page 52 of 71 Line 23	50	Line 48 / 12
30(b)	Workpaper MDL-22-ELEC Page 1, Line 11(a)		
30(c)	Line 30(a) - Line 30(b)		
32	Line 30(c) x Line 31		
34	From Tax Department		
36	Line 34(c) x Line 35		

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Test Year Ended December 31, 2011
Working Capital

<u>Description</u>		<u>(a)</u> <u>Lead/Lag</u> <u>Factor</u>	<u>(b)</u> <u>Rate Year</u> <u>Expense</u>	<u>(c)</u> <u>Rate Year</u> <u>Working Capital</u>
<u>Working Capital Components</u>				
1	Operation & Maintenance Expense		110,104,548	5,959,824
2				
3	Transmission	-0.23%		-
4				
5	Federal Income Tax	4.81%	17,071,671	821,147
6				
7	<u>Taxes Other than Income Taxes</u>			
8				
9	Municipal Taxes	-20.47%	30,626,657	(6,269,277)
10				
11	Sales and Use Tax	5.83%	15,547,443	906,416
12				
13	Gross Receipts Tax Distribution only	34.78%	11,884,731	3,492,922
14				
15	<u>Payroll Taxes - Company Portion</u>			
16				
17	Federal Unemployment	-15.84%	6,490	(1,028)
18				
19	State Unemployment	-3.45%	59,802	(2,063)
20				
21	FICA Expense	Weekly	894,458	94,097
22	FICA Expense	Monthly	136,557	14,243
23				
24	<u>Payroll Taxes and Other Withholding</u>			
25				
26	FICA and Federal Withholding	Weekly	2,705,883	(11,365)
27	FICA and Federal Withholding	Monthly	482,860	(2,366)
28				
29	State Income Tax Withholding	Weekly	507,591	(2,132)
30	State Income Tax Withholding	Monthly	95,645	(469)
31				
32	Temporary Disability Ins.	Weekly	86,708	(10,127)
33	Temporary Disability Ins.	Monthly	15,429	(2,347)
34				
35	Incentive Thrift	Weekly	914,486	(9,782)
36	Incentive Thrift	Monthly	125,509	(2,218)
37				
38	TOTAL		\$191,266,468	\$4,975,475

Line Notes

1-36(a)	From Schedule MDL-4-ELEC, Page 1
1(b)	From Page 1 of 71, Line 7(g) - Lines 11(b), 35(b) and 36(b)
5(b)	From Page 60 of 71, Line 17(e)
9(b)	From Page 58 of 71, Line 2(e)
11(b)	From Company books
13(b)	From Page 1 of 71, Line 1(g) x 4% x 38.74%
17(b)-33(b)	From Page 58 of 71, Line 5(e) + Line 8(e) prorated based on test year spending
35(b)-36(b)	From Page 7 of 71, Line 5 + Line 6 prorated based on test year spending
38	Sum of Line 1 thru Line 36

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Amended Attachment 2

Clean and Marked-To-Show Versions of Proposed Retail Delivery Service Tariffs,
Terms and Conditions for Distribution Service and Proposed Tariff Provisions
(Schedule JAL-7-S)

Included in Book 3

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Amended Attachment 3

Electric Allocated Cost of Service Study and Rate Design

Included in Book 2

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Attachment 4

Illustrative Electric Pension/OPEB Tracker Mechanism
(Schedule MDL-5-S)

**The Narragansett Electric Company
d/b/a National Grid
Pension Costs
Regulatory Reconciliation - Pension / OPEB Adjustment Mechanism
Illustrative Example**

Line No.		Year <u>1</u> (a)	Year <u>2</u> (b)	Year <u>3</u> (c)
1	Rate Allowance:			
2	Narragansett Electric Pension Cost Allowance	\$6,611,183		
3	Service Company Allocated Pension Cost Allowance	3,623,508		
4	Total Pension Costs in Base Rates	<u>\$10,234,691</u>		
5				
6	Expense Reconciliation:			
7	Current Year actual Pension Expense Direct	\$6,611,183	\$6,623,183	\$6,773,183
8	Current Year actual Service Company Allocated Pension Expense	<u>\$3,623,508</u>	<u>\$3,623,508</u>	<u>\$3,623,508</u>
9		\$10,234,691	\$10,246,691	\$10,396,691
10				
11	Rate Allowance	\$10,234,691	\$10,234,691	\$10,234,691
12				
13	Current Year PAM Reconciliation	\$0	\$12,000	\$162,000

Line Notes:

- 2 O&M Rate Allowance per this proceeding
- 3 O&M Rate Allowance per this proceeding
- 4 Line 2 + Line 3
- 7 Illustrative actual pension expense direct
- 8 Illustrative actual service company allocated pension expense
- 9 Line 7 + Line 8
- 11 From Line 4
- 13 Line 9 - Line 11

**The Narragansett Electric Company
d/b/a National Grid
OPEB Costs
Regulatory Reconciliation - Pension / OPEB Adjustment Mechanism
Illustrative Example**

Line No.		Year <u>1</u> (a)	Year <u>2</u> (b)	Year <u>3</u> (c)
1	Rate Allowance:			
2	Narragansett Electric OPEB Cost Allowance	\$1,813,275		
3	Service Company Allocated OPEB Cost Allowance	1,728,301		
4	Total OPEB Costs in Base Rates	\$3,541,576		
5				
6	Expense Reconciliation:			
7	Current Year actual OPEB Expense Direct	\$1,813,275	\$1,825,275	\$1,975,275
8	Current Year actual Service Company Allocated OPEB Expense	\$1,728,301	\$1,728,301	\$1,728,301
9		\$3,541,576	\$3,553,576	\$3,703,576
10				
11	Rate Allowance	\$3,541,576	\$3,541,576	\$3,541,576
12				
13	Current Year PAM Reconciliation	\$0	\$12,000	\$162,000

Line Notes:

- 2 O&M Rate Allowance per this proceeding
- 3 O&M Rate Allowance per this proceeding
- 4 Line 2 + Line 3
- 7 Illustrative actual OPEB expense direct
- 8 Illustrative actual service company allocated OPEB expense
- 9 Line 7 + Line 8
- 11 From Line 4
- 13 Line 9 - Line 11

The Narragansett Electric Company
d/b/a National Grid
Pension Costs
Regulatory Reconciliation - Pension / OPEB Adjustment Mechanism
Illustrative Example

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Mar-2012	Jun-2012	Sep-2012	Dec-2012	Mar-2013	
Customer Funding							
1 Base Rate Recovery:							
2 Direct	\$6,611,183	-	-	-	-	\$1,101,864	
3 Servco	\$3,623,508	-	-	-	-	\$603,918	
4							
5 PAM Surcharge Recovery:		-	-	-	-	-	
6							
7 Pension Capitalized Amount:							
8 Direct	\$2,875,224	-	-	-	-	\$479,204	
9 Servco	\$17,298,165	-	-	-	-	\$2,883,027	
10							
11 Total Customer Funding:		-	-	-	-	\$5,068,013	
12							
Company Contributions							
13 Pension		-	-	-	-	-	
14							
15 Service Company Allocated Costs		-	-	-	-	\$3,486,945	
16						3,486,945	
17							
18 Under/(Over) Funding		-	-	-	-	\$1,581,068	
19							
20 Cumulative Under/(Over) Funding		-	-	-	-	\$1,581,068	
21 Five Quarter Average							\$316,214
22							
23 Base for Carrying Charge (greater of line 22 or zero)							\$316,214
24 Pre-tax WACC							10.15%
25 Carrying Charge							<u>\$32,096</u>
26							
27							
28							
Customer Funding		Mar-2013	Jun-2013	Sep-2013	Dec-2013	Mar-2014	
29 Base Rate Recovery:							
30 Direct		\$1,101,864	\$1,652,796	\$1,652,796	\$1,652,796	\$1,652,796	
31 Servco		\$603,918	\$905,877	\$905,877	\$905,877	\$905,877	
32							
33 PAM Surcharge Recovery:	\$32,000				\$8,000	\$8,000	
34							
35 Pension Capitalized Amount:							
36 Direct		\$479,204	\$718,806	\$718,806	\$718,806	\$718,806	
37 Servco		\$2,883,027	\$4,324,541	\$4,324,541	\$4,324,541	\$4,324,541	
38							
39 Total Customer Funding:		\$5,068,013	\$7,602,020	\$7,602,020	\$7,610,020	\$7,610,020	
40							
41							
42							
Company Contributions							
43 Pension		-	\$3,581,068	\$1,000,000	\$3,000,000	\$3,400,000	
44							
45 Service Company Allocated Costs		\$3,486,945	\$5,230,418	\$5,230,418	\$5,230,418	\$5,230,418	
46		\$3,486,945	\$8,811,486	\$6,230,418	\$8,230,418	\$8,630,418	
47							
48 Under/(Over) Funding		\$1,581,068	(\$1,209,466)	\$1,371,602	(\$620,398)	(\$1,020,398)	
49							
50 Cumulative Under/(Over) Funding		\$1,581,068	\$371,602	\$1,743,204	\$1,122,805	\$102,407	
51 Five Quarter Average							\$1,420,301
52							
53 Base for Carrying Charge (greater of line 53 or zero)							\$1,420,301
54 Pre-tax WACC							10.15%
55 Carrying Charge							<u>\$144,161</u>
56							
57							

The Narragansett Electric Company
d/b/a National Grid
Pension Costs (continued)
Regulatory Reconciliation - Pension / OPEB Adjustment Mechanism
Illustrative Example

	Mar-2014	Jun-2014	Sep-2014	Dec-2014	Mar-2015	
58						
59	Customer Funding					
60	Base Rate Recovery:					
61	Direct	\$1,652,796	\$1,652,796	\$1,652,796	\$1,652,796	\$1,652,796
62	Servco	\$905,877	\$4,324,541	\$4,324,541	\$4,324,541	\$4,324,541
63						
64	PAM Surcharge Recovery:	\$145,000	\$8,000	\$8,000	\$8,000	\$36,250
65						\$36,250
66	Pension Capitalized Amount:					
67	Direct	\$718,806	\$718,806	\$718,806	\$718,806	\$718,806
68	Servco	\$4,324,541	\$4,324,541	\$4,324,541	\$4,324,541	\$4,324,541
69						
70	Total Customer Funding:	\$7,610,020	\$11,028,684	\$11,028,684	\$11,056,934	\$11,056,934
71						
72						
73	Company Contributions					
74	Pension	3,400,000	\$9,677,314	-	-	-
75						
76	Service Company Allocated Costs	\$5,230,418	\$8,649,082	\$8,649,082	\$8,649,082	\$8,649,082
77		8,630,418	18,326,397	8,649,082	8,649,082	8,649,082
78						
79	Under/(Over) Funding	(\$1,020,398)	(\$7,297,713)	\$2,379,602	\$2,407,852	\$2,407,852
80						
81	Cumulative Under/(Over) Funding	\$102,407	(\$7,195,305)	(\$4,815,704)	(\$2,407,852)	\$0
82	Five Quarter Average					(\$1,418,580)
83						
84	Base for Carrying Charge (greater of line 84 or zero)					0
85	Pre-tax WACC					10.15%
86	Carrying Charge					0

Line Notes

2(f)	Line 2(a) /12 x 2 Months	31-40(b)	Line 2(f) through 11(f)	64(e)-(f)	Line 64(a) / 4 quarters
3(f)	Line 3(a) /12 x 2 Months	34(e)	Line 34(a) / 4 quarters	74-82(b)	Line 44(f) through 51(f)
8(f)	Line 8(a) /12 x 2 Months	44-51(b)	Line 14(f) through 21(f)	79(c)-(f)	Line 70 - Line 77
9(f)	Line 9(a) /12 x 2 Months	49(c)-(f)	Line 40 - Line 47	81(c)	Line 79(c) + Line 81(b)
16(f)	Line 3(f) + Line 9(f)	51(c)	Line 49(c) + Line 51(b)	82(g)	Sum of Line 81(b) through (f) /5
19(f)	Line 11(f) - Line 17(f)	52(g)	Sum of Line 51(b) through (f) / 5	86(g)	Line 84(g) x Line 85(g)
22(f)	Sum of Line 21(b) through 21(f) / 5	56(g)	Line 54(g) x Line 55(g)		
26(g)	Line 24(g) x Line 25(g)	61-70(b)	Line 31(f) through 40(f)		

The Narragansett Electric Company
d/b/a National Grid
OPEB Costs
Regulatory Reconciliation - Pension / OPEB Adjustment Mechanism
Illustrative Example

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Mar-2012	Jun-2012	Sep-2012	Dec-2012	Mar-2013	
Customer Funding							
1 Base Rate Recovery:							
2 Direct	\$1,813,275	-	-	-	-	\$302,213	
3 Servco	\$1,728,301	-	-	-	-	\$288,050	
4							
5 PAM Surcharge Recovery:		-	-	-	-	-	
6							
7 OPEB Capitalized Amount:							
8 Direct	\$1,267,809	-	-	-	-	\$211,301	
9 Servco	\$6,851,115	-	-	-	-	\$1,141,853	
10							
11 Total Customer Funding:		-	-	-	-	\$1,943,417	
12							
Company Contributions							
13 OPEB		-	-	-	-	-	
14							
15 Service Company Allocated Costs		-	-	-	-	\$1,429,903	
16						1,429,903	
17							
18 Under/(Over) Funding		-	-	-	-	\$513,514	
19							
20 Cumulative Funding Under/(Over) Funding		-	-	-	-	\$513,514	
21							
22 Five Quarter Average							\$102,703
23							
24 Base for Carrying Charge (greater of line 22 or zero)							\$102,703
25 Pre-tax WACC							10.15%
26 Carrying Charge							\$10,424
27							
28							
Customer Funding		Mar-2013	Jun-2013	Sep-2013	Dec-2013	Mar-2014	
29							
30 Base Rate Recovery:							
31 Direct		\$302,213	\$453,319	\$453,319	\$453,319	\$453,319	
32 Servco		\$288,050	\$432,075	\$432,075	\$432,075	\$432,075	
33							
34 PAM Surcharge Recovery:	\$10,000				\$2,500	\$2,500	
35							
36 OPEB Capitalized Amount:							
37 Direct		\$211,301	\$316,952	\$316,952	\$316,952	\$316,952	
38 Servco		\$1,141,853	\$1,712,779	\$1,712,779	\$1,712,779	\$1,712,779	
39							
40 Total Customer Funding:		\$1,943,417	\$2,915,125	\$2,915,125	\$2,917,625	\$2,917,625	
41							
42							
Company Contributions							
43 OPEB		-	\$613,514	\$500,000	\$1,000,000	\$500,000	
44							
45 Service Company Allocated Costs		\$1,429,903	\$2,144,854	\$2,144,854	\$2,144,854	\$2,144,854	
46		\$1,429,903	\$2,758,368	\$2,644,854	\$3,144,854	\$2,644,854	
47							
48 Under/(Over) Funding		\$513,514	\$156,757	\$270,271	(\$227,229)	\$272,771	
49							
50 Cumulative Funding Under/(Over) Funding		\$513,514	\$670,271	\$940,542	\$713,313	\$986,084	
51							
52 Five Quarter Average							\$956,416
53							
54 Base for Carrying Charge (greater of line 53 or zero)							\$956,416
55 Pre-tax WACC							10.15%
56 Carrying Charge							\$97,076
57							

The Narragansett Electric Company
d/b/a National Grid
OPEB Costs (continued)
Regulatory Reconciliation - Pension / OPEB Adjustment Mechanism
Illustrative Example

	Mar-2014	Jun-2014	Sep-2014	Dec-2014	Mar-2015	
58						
59 Customer Funding						
60 Base Rate Recovery:						
61 Direct	\$453,319	\$453,319	\$453,319	\$453,319	\$453,319	
62 Servco	\$432,075	\$1,712,779	\$1,712,779	\$1,712,779	\$1,712,779	
63						
64 PAM Surcharge Recovery:	\$100,000	\$2,500	\$2,500	\$2,500	\$25,000	\$25,000
65						
66 OPEB Capitalized Amount:						
67 Direct	\$316,952	\$316,952	\$316,952	\$316,952	\$316,952	
68 Servco	\$1,712,779	\$1,712,779	\$1,712,779	\$1,712,779	\$1,712,779	
69						
70 Total Customer Funding:	\$2,917,625	\$4,198,329	\$4,198,329	\$4,220,829	\$4,220,829	
71						
72						
73 Company Contributions						
74 OPEB	500,000	\$4,122,167	-	-	-	
75						
76 Service Company Allocated Costs	\$2,144,854	\$3,425,558	\$3,425,558	\$3,425,558	\$3,425,558	
77	2,644,854	7,547,725	3,425,558	3,425,558	3,425,558	
78						
79 Under/(Over) Funding	\$272,771	(\$3,349,396)	\$772,771	\$795,271	\$795,271	
80						
81 Cumulative Funding Under/(Over) Funding	\$986,084	(\$2,363,313)	(\$1,590,542)	(\$795,271)	\$0	
82 Five Quarter Average						(\$275,446)
83						
84 Base for Carrying Charge (greater of line 84 or zero)						0
85 Pre-tax WACC						10.15%
86 Carrying Charge						0

Line Notes

2(f) Line 2(a) /12 x 2 Months	31-40(b)	Line 2(f) through 11(f)	64(e)-(f)	Line 64(a) / 4 quarters
3(f) Line 3(a) /12 x 2 Months	34(e)	Line 34(a) / 4 quarters	74-82(b)	Line 44(f) through 51(f)
8(f) Line 8(a) /12 x 2 Months	44-51(b)	Line 14(f) through 21(f)	79(c)-(f)	Line 70 - Line 77
9(f) Line 9(a) /12 x 2 Months	49(c)-(f)	Line 40 - Line 47	81(c)	Line 79(c) + Line 81(b)
16(f) Line 3(f) + Line 9(f)	51(c)	Line 49(c) + Line 51(b)	82(g)	Sum of Line 81(b) through (f) /5
19(f) Line 11(f) - Line 17(f)	52(g)	Sum of Line 51(b) through (f) / 5	86(g)	Line 84(g) x Line 85(g)
22(f) Sum of Line 21(b) through 21(f) / 5	56(g)	Line 54(g) x Line 55(g)		
26(g) Line 24(g) x Line 25(g)	61-70(b)	Line 31(f) through 40(f)		

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Attachment 5

Illustrative ISR Property Tax Recovery Calculation

**National Grid - RI Electric
d/b/a National Grid
Illustrative ISR Property Tax Recovery Calculation**

<u>Line</u>		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Effective tax Rate Calculation	<u>RY End</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of Yr 1</u>
1	Plant In Service	\$1,358,700	\$55,000	\$2,000	\$57,000		(\$9,400)		\$1,406,300
2									
3	Accumulated Depr	\$611,570				\$45,039	(\$9,400)	(\$7,200)	\$640,009
4									
5	Net Plant	\$747,130							\$766,291
6									
7	Property Tax Expense	\$29,743							\$31,993
8									
9	Effective Prop tax Rate	3.98%							4.18%
10									
11									
12		<u>Yr 2 Beg</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of Yr 2</u>
13									
14	Plant In Service	\$1,406,300	\$60,000	\$2,200	\$62,200		(\$9,500)		\$1,459,000
15									
16	Accumulated Depr	\$640,009				\$45,039	(\$9,500)	(\$7,400)	\$668,148
17									
18	Net Plant	\$766,291							\$790,852
19									
20	Property Tax Expense	\$31,993							\$34,618
21									
22	Effective Prop tax Rate	4.18%							4.38%
23									
24									
25		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
26	Property Tax Recovery Calculation								
27		<u>ISR YR 1</u>			<u>ISR YR 2</u>				
28									
29	ISR Additions		\$55,000				\$60,000		
30	Rate Year Book Depr		(\$45,039)				(\$45,039)		
31	COR - ISR YR		<u>\$7,200</u>				<u>\$7,400</u>		
32									
33	Net Plant Additions		\$17,161				\$22,361		
34									
35	RY Effective Tax Rate		<u>3.98%</u>				<u>3.98%</u>		
36	Year 1 ISR Property Tax Recovery			\$683				\$890	
37	Year 2 ISR Property Tax Recovery							\$609	
38									
39	ISR Year Effective Tax Rate	4.18%				4.38%			
40	RY Effective Tax Rate	3.98%	0.19%			3.98%	0.40%		
41									
42	RY Net Plant	\$747,130				\$747,130			
43	ISR Yr 1 Net Adds	\$17,161				\$15,291			
44	ISR Yr 2 Net Adds		<u>\$764,291</u>			<u>\$22,361</u>	<u>\$784,782</u>		
45				<u>\$1,483</u>				<u>\$3,110</u>	
46									
47	Total ISR Property Tax Recovery			<u>\$2,166</u>				<u>\$4,609</u>	
48									
49	Incremental ISR Property Tax Recovery			<u>\$2,166</u>				<u>\$2,443</u>	

Line Notes

- 1 Col (a) per Rate Year cost of service, Col (b), (cc), (d) and (f) per Actual ISR filing Col (e) equals Base Rate depreciation expense allowance
- 3 Col (a) per Rate Year cost of service, (e) equals Base Rate depreciation expense allowance Col (h) Col (b), (cc), (d) and (f) per Actual ISR filing
- 7 Col (a) Base Rate property tax expense allowance
- 36 Line 33 times Line 35
- 37 Col (g) equals Line 43, Col (e) Times Rate Year effective Property Tax Rate Line 9 Col (a) - (15,291 X 3.97%)
- 43 Col (e) equals Line 33, Col (b) less ISR Yr 1 additions, Line 29, Col (b) times composite book depreciation rate of 3.4% - (17,161 - 55,000 X 3.4%)
- 45 Line 40 times Line 44

**National Grid - RI Gas
d/b/a National Grid
Illustrative ISR Property Tax Recovery Calculation**

<u>Line</u>		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	<u>Effective tax Rate Calculation</u>	<u>RY End</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of Yr 1</u>
1	Plant In Service	\$805,721	\$65,000	\$13,000	\$78,000		(\$5,350)		\$878,371
2									
3	Accumulated Depr	\$347,664				\$28,130	(\$5,350)	(\$4,700)	\$365,744
4									
5	Net Plant	\$458,057							\$512,627
6									
7	Property Tax Expense	\$13,995							\$16,362
8									
9	Effective Prop tax Rate	3.06%							3.19%
10									
11									
12		<u>Yr 2 Beg</u>	<u>ISR Additions</u>	<u>Non-ISR Add's</u>	<u>Total Add's</u>	<u>Bk Depr (1)</u>	<u>Retirements</u>	<u>COR</u>	<u>End of Yr 2</u>
13									
14	Plant In Service	\$878,371	\$70,000	\$13,500	\$83,500		(\$5,500)		\$956,371
15									
16	Accumulated Depr	\$365,744				\$28,130	(\$5,500)	(\$4,900)	\$383,474
17									
18	Net Plant	\$512,627							\$572,897
19									
20	Property Tax Expense	\$16,362							\$19,104
21									
22	Effective Prop tax Rate	3.19%							3.33%
23									
24									
25		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
26	<u>Property Tax Recovery Calculation</u>								
27		<u>ISR YR 1</u>				<u>ISR YR 2</u>			
28									
29	ISR Additions		\$65,000				\$70,000		
30	Rate Year Book Depr		(\$28,130)				(\$28,130)		
31	COR - ISR YR		\$4,700				\$4,900		
32									
33	Net Plant Additions		\$41,570				\$46,770		
34									
35	RY Effective Tax Rate		3.06%				3.06%		
36	Year 1 ISR Property Tax Recovery			\$1,270				\$1,429	
37	Year 2 ISR Property Tax Recovery							\$1,203	
38									
39	ISR Year Effective Tax Rate	3.19%				3.33%			
40	RY Effective Tax Rate	3.06%	0.14%			3.06%	0.28%		
41									
42	RY Net Plant	\$458,057				\$458,057			
43	ISR Yr 1 Net Adds	\$41,570				\$39,373			
44	ISR Yr 2 Net Adds		\$499,627			\$46,770	\$544,200		
45				\$682				\$1,520	
46									
47	Total ISR Property Tax Recovery			\$1,952				\$4,152	
48									
49	Incremental ISR Property Tax Recovery			\$1,952				\$2,200	

Line Notes

- 1 Col (a) per Rate Year cost of service, Col (b), (cc), (d) and (f) per Actual ISR filing Col (e) equals Base Rate depreciation expense allowance
- 3 Col (a) per Rate Year cost of service, (e) equals Base Rate depreciation expense allowance Col (h) Col (b), (cc), (d) and (f) per Actual ISR filing
- 7 Col (a) Base Rate property tax expense allowance
- 36 Line 33 times Line 35
- 37 Col (g) equals Line 43, Col (e) Times Rate Year effective Property Tax Rate Line 9 Col (a) - (39,373 X 3.08%)
- 43 Col (e) equals Line 33, Col (b) less ISR Yr 1 additions, Line 29, Col (b) times composite book depreciation rate of 3.4% - (41,570 - 65,000 X 3.38%)
- 45 Line 40 times Line 44

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Attachment 6
(Schedule MDL-3-GAS-S)

Narragansett Gas Cost of Service

The Narragansett Electric Company d/b/a National Grid
Test Year Ended December 31, 2011

TABLE OF CONTENTS

Revenue Deficiency Summary	1
Revenue Requirement Calculation	2
Revenue Deficiency Summary- Recovery by Component	3
Operating Revenue Summary	4
Adjustments to Gas Operating Revenues	5
Cost of Service Summary	6
Summary of Operating Expenses by Component	7
<u>Operating and Maintenance Expense Adjustments:</u>	
Normalizing Adjustments to Other O & M Expenses	8
Other Normalizing Adjustments	9
O & M Labor Summary	10
O & M Labor by Category	11
O & M Labor Allocations	12
Normalizing Adjustments to O & M Labor	13
Pro Forma Labor Adjustments Summary	14
Union Pro Forma Wage Adjustments	15
Management Pro Forma Wage Adjustments	16
Weighted Labor Adjustment Factor Company Direct	17
Weighted Labor Adjustment Factor KeySpan Corporate Services	18
Weighted Labor Adjustment Factor KeySpan Utility Services	19
Weighted Labor Adjustment Factor National Grid USA Service Company	20
Variable Pay Adjustment	21
Union Goals Adjustment	22
Healthcare	23
401K Match	24
401K Pension Replacement Plan	25
Donations	26
Computer Software Expenses	27
Regulatory Assessments	28
Facilities	29
Facilities Consolidation Savings	30
Uninsured Claims	31
Insurance Premiums	32
Insurance Premium Details	33
Payroll Taxes	34
Other Post-Employment Benefits (OPEB)	35
Pensions	36
Postage	37
Energy Efficiency Expense	38
GCR-Related Operation & Maintenance	39
LIAP and Weatherization Expense	40
Rate Case Expense	41
Consumer Advocate	42

The Narragansett Electric Company d/b/a National Grid
Test Year Ended December 31, 2011

TABLE OF CONTENTS

Additional US Foundations Support Staff	43
Advertising	44
Five Year Average of Uncollectibles Summary	45
Productivity & Efficiency Savings	46
Reallocation of Service Company Charges	47
Inflation Adjustment	48
Interest on Customer Deposits	49
Depreciation and Amortization Expense	50
Analysis of Test Year Through Rate Year Capital Investment	51
Amortization of Other Assets	52
Taxes Other than Income Taxes	53
Property Tax Expense	54
Income Tax Schedule	55
Capital Structure Summary	56
Weighted Average Cost of Debt	57
Rate Base Calculation	58
Rate Base Calculation	
Five-Quarter Average Rate Base	59
Gas Plant in Service Forecast	60
Accumulated Depreciation Forecast	61
Other Rate Base Item Forecast	62
Merger Hold Harmless Rate Base Credit	63
Accumulated Deferred Tax Forecast	64
Working Capital	65

**The Narragansett Electric Company d/b/a National Grid
Revenue Deficiency Summary
Test Year Ended December 31, 2011**

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)	(f)	(e) + (f) (g)
	Test Year Books	Normalizing Adjustments	Adjusted Test Year Books	Pro Forma Adjustments	Rate Year Adjusted	Proposed Rate Increase	After Rate Increase
1 Revenues	\$438,798,143	(\$87,186,600)	\$351,611,543	\$3,787,064	\$355,398,607	\$11,292,567	\$366,691,174
2							
3 Cost of Gas	\$257,195,602	(\$57,664,271)	\$199,531,331	\$0	\$199,531,331		\$199,531,331
4							
5 Margin	\$181,602,541	(\$29,522,329)	\$152,080,212	\$3,787,064	\$155,867,277	\$11,292,567	\$167,159,844
6							
7 Operation & Maintenance Expense	\$109,200,887	(\$16,662,644)	\$92,538,244	(\$9,350,866)	\$83,187,378	\$359,104	\$83,546,482
8							
9 Depreciation & Amortization - Plant	\$22,015,861	(\$190,627)	\$21,825,234	\$6,301,991	\$28,127,225		\$28,127,225
10							
11 Amortization of Other Assets	\$3,046,486	(\$1,362,507)	\$1,683,979	\$0	\$1,683,979		\$1,683,979
12							
13 Gross Receipts Tax	\$11,282,572	(\$11,282,572)	\$0	\$0	\$0		\$0
14							
15 Taxes Other Than Income	\$14,053,812	(\$2,573)	\$14,051,239	\$2,115,159	\$16,166,398		\$16,166,398
16							
17 Interest on Customers Deposits	\$0	\$0	\$0	\$127,506	\$127,506		\$127,506
18							
19 Operating Income Before Income Taxes	\$22,002,923	(\$21,406)	\$21,981,517	\$4,593,274	\$26,574,791	\$10,933,463	\$37,508,254
20							
21 Income Taxes			\$4,246,694	\$938,255	\$5,184,949	\$3,826,712	\$9,011,661
22							
23 Operating Income After Income Taxes			\$17,734,823	\$3,655,019	\$21,389,842	\$7,106,751	\$28,496,593
24							
25 Rate Base			\$308,108,981		\$372,504,484		\$372,504,484
26							
27 Rate Of Return			5.76%		5.74%		7.65%
28							
29 Cost of Capital			7.65%				7.65%
30							
31 Difference			1.89%				0.00%

Line Notes

- 1(a)-1(e) From Page 4 of 65 Line 51
- 1(f) From Page 2 of 65, Line 11
- 3 From Page 6 of 65 Line 5
- 5 Line 1 - Line 3
- 7(a)-(e) From Page 6 of 65 Line 7
- 7(f) From Page 6 of 65 Line 8
- 9 From Page 6 of 65 Line 13 + Line 14
- 11 From Page 6 of 65 Line 15
- 13 From Page 6 of 65 Line 16
- 15 From Page 6 of 65 Line 17
- 17 From Page 6 of 65 Line 19
- 19 Line 5 - Sum of Line 7 thru Line 17
- 21(c) From Page 55 of 65 Line 17(a)
- 21(d) Line 21(e) - Line 21(c)
- 21(e) From Page 55 of 65, Line 17(b)
- 21(f) Line 23(g) - Line 23(e)
- 21(g) From Page 55 of 65, Line 17(d)
- 23 Line 19 - Line 21
- 25 From Page 58 of 65 Line 31
- 27 Line 23 / Line 25
- 29 From Capital Structure Line 9(c)
- 31 Line 29 - Line 27

**The Narragansett Electric Company d/b/a National Grid
Revenue Requirement Calculation
Test Year Ended December 31, 2011**

<u>Revenue Requirement Calculation</u>		
1	Rate Base	\$372,504,484
2	Rate of Return	5.74%
3	Required Return	7.65%
4		
5	Required Operating Income	\$28,496,593
6	Operating Income After Taxes	\$21,389,842
7	Shortfall/(Excess)	<u>\$7,106,751</u>
8		
9	Gross up Factor for Taxes	1.5890
10		
11	Revenue/(Excess) Requirement	<u><u>\$11,292,567</u></u>
12		
13		
14	Gross Up Factor Calculation	100.00%
15	Uncollectibles	<u>-3.18%</u>
16		96.82%
17	Federal Income Taxes @ 35%	<u>-33.89%</u>
18	Net	62.93%
19	Gross Up Factor	1.5890

Line Notes

1	From Page 58 of 65 line 27(c)
2	From Page 1 of 65 line 27(e)
3	From Page 56 of 65, Line 9(c)
5	Line 1 x Line 3
6	From Page 1 of 65 line 23(e)
7	Line 5 - Line 6
9	Line 19
11	Line 7 x Line 9
15	From Page 45 of 65 line 9(c)
16	Line 14 - Line 15
17	35% (Federal Income Tax Rate) x line 16
18	Line 16 - Line 17
19	Line 14 / Line 18

The Narragansett Electric Company d/b/a National Grid
Revenue Deficiency Summary- Recovery by Component
Test Year Ended December 31, 2011

	(a) = sum (b)-(f)	(b)		(c)		(d)		(e)		(f)		(g)		(h)		(i)		(j)	
		Firm Tariff Rates	NF Margin	Gas Lighting & Special Contract	Late Payment & Other Fees	GCR Collections	Company Use	LNGO & M	ISR	DAC	RDM								
Revenues	\$555,398,607	\$139,089,245	\$1,800,000	\$201,837	\$2,914,240	\$199,531,330	\$0	\$1,048,720	\$6,924,425	\$3,888,810									
Cost of Gas	\$199,531,331					\$199,531,330													
Margin	\$155,867,277	\$139,089,245	\$1,800,000	\$201,837	\$2,914,240	\$0	\$0	\$1,048,720	\$6,924,425	\$3,888,810									
Operation & Maintenance Expense	\$83,546,482	\$82,121,544					\$276,662	\$1,148,276											
Depreciation	\$28,127,225	\$28,127,225																	
Amortization	\$1,683,979	\$1,683,979																	
Taxes Other Than Income	\$16,166,398	\$16,166,398																	
Interest on Customers Deposits	\$127,506	\$127,506																	
Income Taxes	\$9,011,661	\$9,011,661																	
Rate Base	\$372,504,484	\$372,504,484																	
Cost of Capital	7.65%	7.65%																	
Return on Rate Base	\$28,496,593	\$28,496,593																	
Total Revenue Requirement	\$167,159,843	\$165,734,905	\$0	\$0	\$0	\$0	\$276,662	\$1,148,276	\$0	\$0									
Reallocation/Adjustments																			
Special Contracts	\$0	(\$201,837)		\$201,837															
Late Payment Charges & Other Fees	\$0	(\$2,914,240)		\$2,914,240															
NF Margin	\$0	(\$1,800,000)	\$1,800,000																
Sub-total Reallocation/Adjustments	\$0	(\$4,916,077)	\$1,800,000	\$201,837	\$2,914,240	\$0	\$276,662	\$1,148,276	\$0	\$0									
Final Rate Year Revenues	\$167,159,843	\$160,818,828	\$1,800,000	\$201,837	\$2,914,240	\$0	\$276,662	\$1,148,276	\$0	\$0									
Total Rate Increase	\$11,292,567	\$21,729,583	\$0	\$0	\$0	\$0	\$276,662	\$99,556	(\$6,924,425)	(\$3,888,810)									

	(k)	
	Revenue	Unadjusted Revenues
Final Rate Year Revenues	\$160,818,828	\$149,526,262
Final Rate Year Revenues, Adjusted	\$160,818,828	\$149,526,262
Uncollectible rate	3.18%	3.18%
Uncollectible expense as calculated	\$ 5,114,039	\$ 4,754,935
Uncollectible expense per COS	\$ 5,114,039	\$ 4,754,935
variance	\$0	\$0

(k) From Page 4 of 65, Line 4(e), Line 13(c), Line 15(e), Line 31(c), Line 43(e), Line 23(c)

Line Notes

- 1(b) From Page 4 of 65, Sum of Line 4(e), Line 13(e), Line 15(e), Line 16(e), Line 8(e), Line 25(e), Line 24(e) and Line 23(d)
- 1(c) From Page 4 of 65, Line 5(e)
- 1(d) From Page 4 of 65, Sum of Line 37(e), Line 38(e), and Line 39(e)
- 1(e) From Page 4 of 65, Sum of Line 42(e), Line 45(c), Line 46(e), and Line 47(e)
- 1(f) From Page 4 of 65, Sum of Line 1(e), and Line 21(e)
- 1(g) From Page 4 of 65, Line 23(e)
- 1(h) From Page 4 of 65, Line 31(e)
- 1(i) From Page 4 of 65, Line 43(e)
- 3(d) From Page 6 of 65, Line 5(c)
- 5 Line 1 - Line 3
- 7(b)-7(d) From Company books
- 9(b) From Page 6 of 65, Line 13(e) + Line 14(e)

The Narragansett Electric Company d/b/a National Grid
Operating Revenue Summary
Test Year Ended December 31, 2011

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)
	Test Year Books	Normalizing Adjustments	Adjusted Test Year Books	Pro Forma Adjustments	Rate Year Adjusted
Firm Revenues:					
1 Gas Cost Recovery (not including unbilled)	\$221,472,648	\$0	\$221,472,648	\$0	\$221,472,648
2 DAC Revenues	\$4,073,830	\$0	\$4,073,830	\$0	\$4,073,830
3 Energy Efficiency Revenues	\$7,932,760	\$0	\$7,932,760	\$0	\$7,932,760
4 Delivery- Base Revenues	\$134,233,623	\$38,277	\$134,271,900	(\$1,355,772)	\$132,916,128
5 Interruptable Firm	\$3,513,358	(\$3,513,358)	\$0	\$1,800,000	\$1,800,000
6 Off System Sales	\$54,883,515	(\$54,883,515)	\$0	\$0	\$0
7 Unbilled Revenues & Cost	(\$3,441,157)	\$3,441,157	\$0	\$0	\$0
8 Division Adjustment				\$2,403,000	\$2,403,000
9 Total Firm Revenues	<u>\$422,668,577</u>	<u>(\$54,917,439)</u>	<u>\$367,751,138</u>	<u>\$2,847,228</u>	<u>\$370,598,366</u>
10					
11					
Other Operating Revenues:					
12 LIAP in Base Rates	\$1,784,964	\$0	\$1,784,964	\$0	\$1,784,964
14 Energy Efficiency-Weatherization Program in Base Rates	\$0	\$0	\$0	\$0	\$0
15 Advanced Gas Technologies in Base Rates	\$299,255	\$0	\$299,255	\$0	\$299,255
16 Environmental Cost Recovery in Base Rates	\$1,309,680	\$0	\$1,309,680	\$0	\$1,309,680
17					
18 Gross Receipts Tax Revenues	\$11,149,139	(\$11,149,139)	\$0	\$0	\$0
19					
20 GCR		\$0	\$0	\$0	\$0
21 GCR Deferral	(\$10,281,008)	(\$11,660,310)	(\$21,941,318)	\$0	(\$21,941,318)
22 Bad Debt	\$5,449,212	\$1,452,749	\$6,901,961	(\$6,901,961)	\$0
23 LNG O&M	\$1,048,720	\$0	\$1,048,720	\$99,556	\$1,148,276
24 Company Use	\$0	\$0	\$0	\$276,662	\$276,662
25 EE Deferral	\$4,258,138	(\$12,190,898)	(\$7,932,760)	\$0	(\$7,932,760)
26 EE Bad Debt	\$0	\$265,747	\$265,747	(\$265,747)	\$0
27					
28 DAC Deferral	(\$3,732,597)	(\$341,233)	(\$4,073,830)	\$0	(\$4,073,830)
29 DAC B/D	\$0	\$235,639	\$235,639	(\$235,639)	\$0
30					
31 Capital Tracker/ARP/ISR	\$1,644,936	(\$1,395,556)	\$249,380	\$6,675,045	\$6,924,425
32					
33 Weather	(\$1,872,000)	\$1,872,000	\$0	\$0	\$0
34					
35 FT-1 & FT-2 Pool Aggregation Charge	\$38,111	(\$38,111)	\$0	\$0	\$0
36					
37 Dominion Virginia Power	\$49,470	\$132,613	\$182,083	\$0	\$182,083
38 Gas Lights	\$19,303	\$0	\$19,303	\$0	\$19,303
39 Other Revenues	\$27,102	(\$26,651)	\$451	\$0	\$451
40					
41					
42 Account 493661 - Rental Expense	\$298,279	\$6,899	\$305,178	\$0	\$305,178
43 Revenue Decoupling Adjustment	\$2,596,890	\$0	\$2,596,890	\$1,291,920	\$3,888,810
44 Other Revenue Adjustment	\$1,200,833	(\$1,200,833)	\$0	\$0	\$0
45 Algonquin LNG Displacement Agreement	\$841,139	\$0	\$841,139	\$0	\$841,139
46 Customer Arrearage (Account 419010)	\$0	\$807,755	\$807,755	\$0	\$807,755
47 AFUDC - Equity/Debt	\$0	\$960,168	\$960,168	\$0	\$960,168
48					
49 Total Other Operating Revenues	<u>\$16,129,566</u>	<u>(\$32,269,161)</u>	<u>(\$16,139,595)</u>	<u>\$939,836</u>	<u>(\$15,199,759)</u>
50					
51 Total Operating Revenues	<u>\$438,798,143</u>	<u>(\$87,186,600)</u>	<u>\$351,611,543</u>	<u>\$3,787,064</u>	<u>\$355,398,607</u>

Column Notes

- (a) From Company books
- (b) From Page 5 of 65, Column (a)
- (d) From Page 5 of 65, Column (b)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Gas Operating Revenues
Test Year Ended December 31, 2011

	(a) Normalizing Adjustments	(b) Pro Forma Adjustments
Firm Revenues:		
1 Gas Cost Recovery (not including unbilled)	\$0	\$0
2 DAC Revenues	\$0	\$0
3 Energy Efficiency Revenues	\$0	\$0
4 Delivery- Base Revenues	\$38,277	(\$1,355,772)
5 Interruptable Firm	(\$3,513,358)	\$1,512,209
6 Off System Sales	(\$54,883,515)	\$0
7 Unbilled Revenues & Cost	\$3,441,157	\$0
8 Division Adjustment for Interruptible Firm		\$287,791
9 Adjustments to Firm Revenues	<u>(\$54,917,439)</u>	<u>\$444,228</u>
10		
11		
Other Operating Revenues:		
12		
13 LIAP in Base Rates	\$0	\$0
14 Energy Efficiency-Weatherization Program in Base Rates	\$0	\$0
15 Advanced Gas Technologies in Base Rates	\$0	\$0
16 Environmental Cost Recovery in Base Rates	\$0	\$0
17		
18 Gross Receipts Tax Revenues	(\$11,149,139)	\$0
19		
20 GCR	\$0	\$0
21 GCR Deferral	(\$11,660,310)	\$0
22 Bad Debt	\$1,452,749	(\$6,901,961)
23 LNG O&M	\$0	\$99,556
24 Company Use		\$276,662
25 EE Deferral	(\$12,190,898)	\$0
26 EE Bad Debt	\$265,747	(\$265,747)
27		
28 DAC Deferral	(\$341,233)	\$0
29 DAC B/D	\$235,639	(\$235,639)
30		
31 Capital Tracker/ARP/ISR	(\$1,395,556)	\$6,675,045
32		
33 Weather	\$1,872,000	\$0
34		
35 FT-1 & FT-2 Pool Aggregation Charge	(\$38,111)	\$0
36		
37 Dominion Virginia Power	\$132,613	\$0
38 Gas Lights	\$0	\$0
39 Other Revenues	(\$26,651)	\$0
40		
41		
42 Account 493661 - Rental Expense	\$6,899	\$0
43 Revenue Decoupling Adjustment	\$0	\$1,291,920
44 Other Revenue Adjustment	(\$1,200,833)	\$0
45 Algonquin LNG Displacement Agreement	\$0	\$0
46 Customer Arrearage (Account 419010)	\$807,755	\$0
47 AFUDC - Equity/Debt	\$960,168	\$0
48		
49 Adjustments to Other Operating Revenues	<u>(\$32,269,161)</u>	<u>\$939,836</u>
50		
51 Total Revenue Adjustments	<u>(\$87,186,600)</u>	<u>\$1,384,064</u>

Line Notes

From Company books

**The Narragansett Electric Company d/b/a National Grid
Cost of Service Summary
Test Year Ended December 31, 2011**

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)	
	Test Year Books	Normalizing Adjustments	Adjusted Test Year Books	Pro Forma Adjustments	Adjusted Rate Year Books	
1	Cost of Gas-Retail	\$198,096,970	\$1,434,361	\$199,531,331	\$0	\$199,531,331
2						
3	-Optimization & Other Off System Sales	\$59,098,632	(\$59,098,632)	\$0	\$0	\$0
4						
5	Total Cost of Gas	<u>\$257,195,602</u>	<u>(\$57,664,271)</u>	<u>\$199,531,331</u>	<u>\$0</u>	<u>\$199,531,331</u>
6						
7	Other Operation and Maintenance Expenses	\$109,200,887	(\$16,662,644)	\$92,538,244	(\$9,350,866)	\$83,187,378
8	Uncollectibles on Proposed Rate Increase				\$359,104	\$359,104
9						
10	Total Operation & Maintenance Expenses	<u>\$109,200,887</u>	<u>(\$16,662,644)</u>	<u>\$92,538,244</u>	<u>(\$8,991,762)</u>	<u>\$83,546,482</u>
11						
12						
13	Depreciation Expense	\$20,770,785	(190,627)	\$20,580,158	\$ 6,301,991	\$26,882,149
14	Amortization of Utility Plant	\$1,245,076	\$0	\$1,245,076	\$0	\$1,245,076
15	Amortization of Other Assets	\$3,046,486	(\$1,362,507)	\$1,683,979	\$0	\$1,683,979
16	Gross Receipts Tax	\$11,282,572	(\$11,282,572)	\$0	\$0	\$0
17	Taxes Other Than Income	\$14,053,812	(\$2,573)	\$14,051,239	\$2,115,159	\$16,166,398
18	Federal & Deferred Income Tax			\$4,246,694	\$4,764,967	\$9,011,661
19	Interest on Customer Deposits			\$0	\$127,506	\$127,506
20	Operating Income After Taxes			\$17,734,823	\$10,761,770	\$28,496,593
21						
22						
23	Total Cost of Service			<u>\$351,611,543</u>	<u>\$15,079,631</u>	<u>\$366,691,174</u>

Line Notes

1(a)-3(b)	From Company books
5	Line 1 + Line 3
7	From Page 7 of 65, Line 34
8	From Page 1 of 65, Line 7(f)
10	Line 8 + Line 9
13(a)	From Company books
13(b)	From Page 50 of 65, Line 3
13(d)	From Page 50 of 65, Line 5
14(a)	From Company books
15	From Page 52 of 65, Line 10
16	From Page 53 of 65, Line 5
17	From Page 53 of 65 Line 2 + Line 8
18(a)	From Page 55 of 65, Line 17(a)
18(b)	Line 18(e) - Line 18(c)
18(c)	From Page 55 of 65, Line 17(d)
19	From Page 49 of 65, Line 5
20(a)	From Page 1 of 65, Line 23(c)
20(b)	Line 20(e) - Line 20(c)
20(c)	From Page 1 of 65, Line 23(g)
23	Line 5 + Line 10 + the Sum of Line 13 thru Line 20

**The Narragansett Electric Company d/b/a National Grid
Summary of Operating Expenses by Component
Test Year Ended December 31, 2011**

Reference	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(a) + (b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustments	(c) +(d) (e) Rate Year Adjusted		
Operation & Maintenance Expenses							
1	Gas Cost	Page 6 of 65	\$257,195,602	(\$57,664,271)	\$199,531,331	\$0	\$199,531,331
2							
3	Labor	Page 10 of 65	\$37,509,062	(\$1,505,434)	\$36,003,627	(\$4,475,001)	\$31,528,626
4	Healthcare	Page 23 of 65	\$4,834,351	(\$81,151)	\$4,753,200	\$11,578	\$4,764,778
5	401K Match	Page 24 of 65	\$728,561	(\$6,982)	\$721,579	(\$94,792)	\$626,787
6	401K Pension Replacement Plan	Page 25 of 65	\$1,823	\$0	\$1,823	\$110,181	\$112,004
7	Donations	Page 26 of 65	\$0	\$235,086	\$235,086	\$0	\$235,086
8	Computer Software Purchases	Page 27 of 65	\$1,218,721	(\$56,966)	\$1,161,756	\$1,804,095	\$2,965,851
9	Regulatory Assessments	Page 28 of 65	\$1,468,122	\$0	\$1,468,122	(\$87,372)	\$1,380,750
10	Facilities	Page 29 of 65	\$2,736,138	(\$104,590)	\$2,631,548	\$237,620	\$2,869,169
11	Facilities Consolidation Savings	Page 30 of 65	\$0	\$0	\$0	(\$438,870)	(\$438,870)
12	Claims	Page 31 of 65	\$395,202	\$0	\$395,202	\$160,069	\$555,271
13	Insurance Premiums	Page 32 of 65	\$620,945	\$21,171	\$642,116	\$284	\$642,400
14	Payroll Taxes	Page 34 of 65	\$550,730	(\$42,963)	\$507,767	(\$90,355)	\$417,412
15	OPEB's	Page 35 of 65	\$5,297,250	(\$858,213)	\$4,439,037	(\$116,233)	\$4,322,804
16	Pensions	Page 36 of 65	\$7,141,101	(\$2,282,261)	\$4,858,840	\$2,821,012	\$7,679,852
17	Postage	Page 37 of 65	\$1,353,157	(\$32)	\$1,353,126	\$56,035	\$1,409,161
18	Energy Efficiency Expense	Page 38 of 65	\$4,526,468	(\$4,526,468)	\$0	\$0	\$0
19	GCR-Related Operation & Maintenance	Page 39 of 65	\$673,761	\$0	\$673,761	(\$427,330)	\$246,431
20	LIAP Expense	Page 40 of 65	\$1,663,666	(\$78,666)	\$1,585,000	\$0	\$1,585,000
21	Weatherization Expense	Page 40 of 65	\$267,629	(\$67,629)	\$200,000	\$0	\$200,000
22	Rate Case Expense	Page 41 of 65	\$0	\$0	\$0	\$275,458	\$275,458
23	Consumer Advocate	Page 42 of 65	-	-	-	-	\$0
24	Additional US Foundations Support Staff	Page 43 of 65	-	-	-	46,063	\$46,063
25	Advertising	Page 44 of 65	\$373,987	(\$300,810)	\$73,177	\$0	\$73,177
26	Uncollectibles - Commodity	Page 45 of 65	\$0	\$5,355,163	\$5,355,163	(\$5,355,163)	\$0
27	Uncollectibles - DAC	Page 45 of 65	\$0	\$2,809	\$2,809	(\$2,809)	\$0
28	Uncollectibles - Energy Efficiency	Page 45 of 65	\$0	\$299,896	\$299,896	(\$299,896)	\$0
29	Uncollectibles - Distribution	Page 45 of 65	\$10,533,193	(\$7,142,484)	\$3,390,709	\$1,364,226	\$4,754,935
30	Productivity & Efficiency Savings	Page 46 of 65	\$0	\$0	\$0	(\$1,134,002)	(\$1,134,002)
31	Reallocation of Service Company Charges	Page 47 of 65	\$0	\$0	\$0	(\$4,452,323)	(\$4,452,323)
32	Other O & M Expenses	Page 48 of 65	\$24,857,020	(\$5,522,121)	\$19,334,899	\$736,660	\$20,071,558
33	Company Share of Net Merger Synergies		\$2,450,000	\$0	\$2,450,000	\$0	\$2,450,000
34	Total Other Operation and Maintenance Expenses		\$109,200,887	(\$16,662,644)	\$92,538,244	(\$9,350,866)	\$83,187,378

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Normalizing Adjustments to Other O & M Expenses

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Total Test Year Per Books	Costs of Savings Initiatives	Donations	Westerly Event	Expatriate Expenses	Other	Total Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	
1 Gas Cost	\$198,096,970	\$0	\$0	\$0	\$0	(\$57,664,271)	\$0	\$0
2								
3								
4 Labor - Page 10 of 65	\$37,509,062	(\$572,671)		(\$918,790)		(\$13,973)	(\$1,505,434)	\$36,003,627
5 Healthcare - Page 23 of 65	\$4,834,351			(\$81,151)			(\$81,151)	\$4,753,200
6 401K - Page 24 of 65	\$728,561			(\$6,982)			(\$6,982)	\$721,579
7 401K Pension Replacement Plan - Page 25 of 65	\$1,823						\$0	\$1,823
8 Donations - Page 26 of 65	\$0	\$235,086					\$235,086	\$235,086
9 Computer Software Purchases - Page 27 of 65	\$1,218,721	(\$56,725)			(\$241)		(\$56,966)	\$1,161,756
10 Regulatory Assessments - Page 28 of 65	\$1,468,122				(\$104,590)		(\$104,590)	\$1,468,122
11 Facilities - Page 29 of 65	\$2,736,138						\$0	\$2,631,548
12 Claims - Page 31 of 65	\$395,202						\$0	\$395,202
13 Insurance Premiums - Page 32 of 65	\$620,945				21,171		\$21,171	\$642,116
14 Payroll Taxes - Page 34 of 65	\$550,730						(\$42,963)	\$507,767
15 Postage - Page 37 of 65	\$1,353,157				(\$32)		(\$32)	\$1,353,126
16 GCR - Page 39 of 65	\$673,761						\$0	\$673,761
17 OPEB's - Page 35 of 65	\$5,297,250				(\$737,295)		(\$858,213)	\$4,439,037
18 Pensions - Page 36 of 65	\$7,141,101			(\$120,918)		(\$2,163,142)	(\$2,282,261)	\$4,858,840
19 LIAP Expense - Page 40 of 65	\$1,663,666			(\$119,119)		(\$78,666)	(\$78,666)	\$1,585,000
20 Weatherization Expense - Page 40 of 65	\$267,629					(\$67,629)	(\$67,629)	\$200,000
21 Energy Efficiency - Page 38 of 65	\$4,526,468				(\$4,526,468)		(\$4,526,468)	\$0
22 Rate Case Expense - Page 41 of 65	\$0						\$0	\$0
23 Advertising	\$373,987				(\$300,810)		(\$300,810)	\$73,177
24 Uncollectibles - Commodity - Page 45 of 65	\$0				\$5,355,163		\$5,355,163	\$5,355,163
25 Uncollectibles - DAC - Page 45 of 65	\$0				\$2,809		\$2,809	\$2,809
26 Uncollectibles - Energy Efficiency - Page 45 of 65	\$0				\$299,896		\$299,896	\$299,896
25 Uncollectibles - Distribution - Page 45 of 65	\$10,533,193				(\$7,142,484)		(\$7,142,484)	\$3,390,709
26 Productivity & Efficiency - Page 46 of 65	\$0						\$0	\$0
27 Company Share of Net Merger Synergies	\$2,450,000						\$0	\$2,450,000
28 Subtotal	\$84,343,867	(\$629,396)	\$235,086	(\$1,289,923)	\$0	(\$9,456,290)	(\$11,140,523)	\$73,203,343
29								
30 Residual O & M Expense Normalizing Adjustments								
31								
32 Other	\$4,510,301	(\$670,066)		(\$754,600)	(\$21,247)	(\$635,874)	(\$2,081,788)	\$2,428,514
33 Contractor Services	\$7,035,899	(\$109,747)		(\$184,800)	(\$19,388)	(\$127,187)	(\$441,122)	\$6,594,777
34 Incentive Programs	\$1,212,628					(\$1,212,628)	(\$1,212,628)	\$0
35 Materials & Supplies	\$3,207,489	(\$108)				(\$67,343)	(\$67,343)	\$3,140,147
36 Lease - Non Real Estate	\$165,991	(\$65)				(\$29,221)	(\$29,286)	\$136,705
37 Payments to Governments	\$82,195						\$0	\$82,195
38 Purchased Services	\$3,490,610	(\$1,398,005)				(\$77,891)	(\$1,475,896)	\$2,014,714
39 Transportation	\$2,807,107			(\$28,922)		(\$1,121)	(\$30,043)	\$2,777,064
40 Other Employee Related Benefits & Expenses	\$2,344,800	(\$24,646)		(\$41,738)	(\$50,987)	(\$66,645)	(\$184,016)	\$2,160,784
41 Production and Storage Offset	\$0						\$0	\$0
42								
43 Residual O & M Expense Normalizing Adjustments	\$24,857,020	(\$2,202,637)	\$0	(\$1,010,061)	(\$91,622)	(\$2,217,802)	(\$5,522,121)	\$19,334,899
44								
45 Total Normalizing Adjustments	\$109,200,887	(\$2,832,033)	\$235,086	(\$2,299,983)	(\$91,622)	(\$11,674,091)	(\$16,662,644)	\$92,538,244

Test Year Amounts that are Specifically Adjusted:

**The Narragansett Electric Company d/b/a National Grid
Revenue Deficiency Summary
Test Year Ended December 31, 2011
Other Normalizing Adjustments**

1	<u>Other Normalizing Labor Adjustments</u>	<u>(\$13,973)</u>
2		
3	<u>Elimination of costs recovered outside of Base Rates</u>	
4	Commodity Related Uncollectible Expense	\$5,355,163
5	DAC Related Uncollectible Expense	\$2,809
6	Energy Efficiency Uncollectible Expense	\$299,896
7	Energy Efficiency	(\$4,526,468)
8	Remove OPEB Deferral Amortization Collected in DAC	(\$737,295)
9	Remove Pension Deferral Amortization Collected in DAC	(\$2,163,142)
10		<u>(\$1,769,037)</u>
11		
12	<u>Elimination of Non-recoverable costs:</u>	
13	Branding and Promotional Non-Recoverable Advertising Expenses	(\$300,810)
14	Remove Incentive Programs	(\$1,212,628)
15	Remove NYPSC Service Company Allocation Audit Costs	(29,221)
16	Non recoverable project Expense	(\$159,501)
17	Band A Expenses and other employee expenses	(\$45,852)
18		<u>(\$1,748,012)</u>
19		
20	<u>Out of period costs:</u>	
21	Contractor Services	(\$77,266)
22	Materials & Supplies	(\$59,406)
23	Ernst & Young Service Company Allocation Adjustment	\$343,088
24	Lock Box Fees	(\$262,479)
25	Write Off of old work orders	(\$718,345)
26	Service Co Tax Adjustment	(\$19,559)
27	Insurance 2007 Tax Accrual	\$21,171
28		<u>(\$772,796)</u>
29		
30	<u>Other:</u>	
31	Distribution Uncollectible Expense	(\$7,142,484)
32	Digsafe Fees	\$23,094
33	Remove Weybosset St. facilities costs	(\$85,911)
34	Remove Westborough facilities costs	(\$18,679)
35	Adjust LIAP to Rate Allowance	(\$78,666)
36	Adjust Weatherization to Rate Allowance	(\$67,629)
37		<u>(\$7,370,274)</u>
38		
39	Total Other O&M Normalizing Adjustments	<u>(\$11,674,091)</u>

Line Notes

39 From Page 8 of 65, Line 45(f)

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
O & M Labor Summary**

	(a)	(b)	(a) + (b) (c)	(d)	(c) +(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	\$18,266,648	(\$1,114,684)	\$17,151,964	(\$1,193,183)	\$15,958,781
2 KeySpan Corporate Services	\$7,032,035	(\$607,812)	\$6,424,223	(\$1,147,552)	\$5,276,671
3 KeySpan Utility Services	\$70,488	\$0	\$70,488	(\$4,548)	\$65,940
4 National Grid USA Services	\$12,456,710	(\$1,376,769)	\$11,079,941	(\$2,129,718)	\$8,950,224
5 Other	(\$316,819)	\$1,593,830	\$1,277,011	\$0	\$1,277,011
6 Total	\$37,509,062	(\$1,505,434)	\$36,003,627	(\$4,475,001)	\$31,528,626

Line Notes

- 1(a)-5(a) From Page 11 of 65, Line 7
- 1(b)-5(b) From Page 13 of 65, Line 35
- 1(d)-5(d) From Page 14 of 65, Line 33, Column (c) thru Line 41, Column (c)
- 6 Sum of Line 1 thru Line 5

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
O & M Labor by Category

	(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e)	
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other	Total	
<u>Test Year Books</u>							
1	Variable Pay	\$1,497,907	\$1,385,134	\$8,777	\$2,950,348	(\$1,570,731)	\$4,271,435
2	Labor - Management - OT	\$57,228	\$88,400	\$0	\$126,865	\$0	\$272,493
3	Labor - Management	\$1,240,490	\$4,149,793	\$39,245	\$5,235,138	\$106,681	\$10,771,347
4	Labor - OT Union	\$2,981,221	\$421,355	\$153	\$417,516	\$130,524	\$3,950,769
5	Labor - Union	\$9,983,263	\$344,141	\$14,182	\$2,515,395	\$813,787	\$13,670,768
6	Paid Absence and Vacation	\$2,506,539	\$643,212	\$8,131	\$1,211,447	\$202,921	\$4,572,250
7	Total	\$18,266,648	\$7,032,035	\$70,488	\$12,456,710	(\$316,819)	\$37,509,062
8							
9	<u>Normalizing Adjustments</u>						
10	Variable Pay	(\$833,179)	(\$1,000)	\$0	(\$1,376,769)	\$1,622,290	(\$588,657)
11	Labor - Management - OT	\$0	(\$30,535)	\$0	\$0	\$0	(\$30,535)
12	Labor - Management	\$0	(\$9,370)	\$0	\$0	\$0	(\$9,370)
13	Labor - OT Union	(\$281,505)	(\$388,116)	\$0	\$0	(\$16,680)	(\$686,301)
14	Labor - Union	\$0	(\$118,769)	\$0	\$0	(\$8,074)	(\$126,843)
15	Paid Absence and Vacation	\$0	(\$60,021)	\$0	\$0	(\$3,706)	(\$63,727)
16	Total	(\$1,114,684)	(\$607,812)	\$0	(\$1,376,769)	\$1,593,830	(\$1,505,434)
17							
18	<u>Adjusted Test Year Books</u>						
19	Variable Pay	\$664,728	\$1,384,134	\$8,777	\$1,573,579	\$51,559	\$3,682,778
20	Labor - Management - OT	\$57,228	\$57,865	\$0	\$126,865	\$0	\$241,958
21	Labor - Management	\$1,240,490	\$4,140,423	\$39,245	\$5,235,138	\$106,681	\$10,761,977
22	Labor - OT Union	\$2,699,716	\$33,239	\$153	\$417,516	\$113,843	\$3,264,468
23	Labor - Union	\$9,983,263	\$225,372	\$14,182	\$2,515,395	\$805,712	\$13,543,925
24	Paid Absence and Vacation	\$2,506,539	\$583,190	\$8,131	\$1,211,447	\$199,215	\$4,508,523
25	Total	\$17,151,964	\$6,424,223	\$70,488	\$11,079,941	\$1,277,011	\$36,003,627

Line Notes

- 1-6 From Company Books
- 7 Sum of Line 1 thru Line 6
- 10-15 From Page 13 of 65, Line 29 thru Line 34
- 16 Sum of Line 10 thru Line 15
- 19 Sum of Line 1 and Line 10
- 20 Sum of Line 2 and Line 11
- 21 Sum of Line 3 and Line 12
- 22 Sum of Line 4 and Line 13
- 23 Sum of Line 5 and Line 14
- 24 Sum of Line 6 and Line 15
- 25 Sum of Line 20 thru Line 24

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
O & M Labor Allocations

	(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e) (f)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other	Total
Union Labor						
Total Union & Mgmt Labor Cost	\$13,980,697	\$4,456,899	\$53,580	\$8,294,915	\$1,026,237	\$27,812,327
Labor Union						
Labor - Union	\$9,983,263	\$225,372	\$14,182	\$2,515,395	\$805,712	\$13,543,925
Labor - OT Union	\$2,699,716	\$33,239	\$153	\$417,516	\$113,843	\$3,264,468
Total Labor Union	\$12,682,979	\$258,611	\$14,335	\$2,932,912	\$919,556	\$16,808,392
Paid Absence & Vacation	\$2,506,539	\$583,190	\$8,131	\$1,211,447	\$199,215	\$4,508,523
Union Allocation %	91%	6%	27%	35%	90%	
Total PAV	\$2,273,877	\$33,840	\$2,175	\$428,343	\$178,506	\$2,916,741
Variable Pay	\$664,728	\$1,384,134	\$8,777	\$1,573,579	\$51,559	\$3,682,778
Union Allocation %	91%	6%	27%	35%	90%	
Total Union Goals	\$603,027	\$80,314	\$2,348	\$556,385	\$46,199	\$1,288,273
Salaries and Wages	\$14,956,856	\$292,451	\$16,510	\$3,361,255	\$1,098,062	\$19,725,133
Union Goals	\$603,027	\$80,314	\$2,348	\$556,385	\$46,199	\$1,288,273
Grand Total Union	\$15,559,883	\$372,765	\$18,858	\$3,917,640	\$1,144,261	\$21,013,406
Management Labor						
Total Union & Mgmt Labor Cost	\$13,980,697	\$4,456,899	\$53,580	\$8,294,915	\$1,026,237	\$27,812,327
Labor Management						
Labor Management	\$1,240,490	\$4,140,423	\$39,245	\$5,235,138	\$106,681	\$10,761,977
Labor - Management - OT	\$57,228	\$57,865	\$0	\$126,865	\$0	\$241,958
Total Labor Management	\$1,297,718	\$4,198,288	\$39,245	\$5,362,003	\$106,681	\$11,003,935
Paid Absence & Vacation	\$2,506,539	\$583,190	\$8,131	\$1,211,447	\$199,215	\$4,508,523
Management Allocation %	9%	94%	73%	65%	10%	
Total PAV	\$232,662	\$549,351	\$5,956	\$783,104	\$20,709	\$1,591,782
Variable Pay	\$664,728	\$1,384,134	\$8,777	\$1,573,579	\$51,559	\$3,682,778
Management Allocation %	9%	94%	73%	65%	10%	
Total PAV	\$61,701	\$1,303,820	\$6,429	\$1,017,194	\$5,360	\$2,394,504
Salaries and Wages	\$1,530,380	\$4,747,639	\$45,201	\$6,145,107	\$127,390	\$12,595,717
DSM Wages	(\$5,778)	\$165,599	\$0	\$460,612		
Variable Pay	\$61,701	\$1,303,820	\$6,429	\$1,017,194	\$5,360	\$2,394,504
Grand Total Management	\$1,586,303	\$6,217,058	\$51,630	\$7,622,913	\$132,750	\$14,990,221
Grand Total Labor	\$17,146,186	\$6,589,823	\$70,488	\$11,540,553	\$1,277,011	\$36,624,061
Productive O & M Labor						
Labor - Management O & M	\$1,524,602	\$4,913,238	\$45,201	\$6,605,719		
Labor - Union O & M	\$14,956,856	\$292,451	\$16,510	\$3,361,255		
Salaries charged to Company O & M	\$16,481,458	\$5,205,689	\$61,711	\$9,966,974		
Total Management Salaries		\$150,982,141	\$7,010,687	\$218,024,918		
Total Union Salaries		\$95,765,937	\$2,444,906	\$49,747,674		
		\$246,748,078	\$9,455,593	\$267,772,593		
Percentage Management Charged to Company	100.00%	3.52%	0.64%	4.19%		
Percentage Union Charged to Company	100.00%	0.35%	0.68%	8.49%		
Weighted Average Percentage Charged to Total Company	100.00%	2.29%	0.65%	4.99%		
Total Management Base Year Salaries - O & M & Capital	\$2,426,965	\$5,319,965	\$45,200	\$9,133,171		
Total Union Base Year Salaries - O & M & Capital	\$27,975,160	\$330,843	\$16,511	\$4,223,614		
Total Company Base Year Salaries - O & M & Capital	\$30,402,125	\$5,650,808	\$61,711	\$13,356,786		
Total Base Year Salaries to O&M	\$16,481,458	\$5,205,689	\$61,711	\$9,966,974		
O&M Portion Total Company	54.21%	92.12%	100.00%	74.62%		
O&M Portion Union	53.46%	88.40%	100.00%	79.58%		
O&M Portion Management	62.82%	92.35%	100.00%	72.33%		

Line Notes

3 From Page 11 of 65, Sum of Lines 20 thru Line 23
6 From Page 11 of 65, Line 23
7 From Page 11 of 65, Line 22
8 Line 6 + Line 7
10 From Page 11 of 65, Line 24
11 Line 8 / Line 3
12 Line 10 x Line 11
14 From Page 11 of 65, Line 19
15 Line 11
16 Line 14 x Line 15
18 Line 8 + Line 12
19 Line 16
21 Line 18 + Line 19
25 Line 3
29 From Page 11 of 65, Line 21

Line Notes (Continued)

30 From Page 11 of 65, Line 20
31 Line 29 + Line 30
33 Line 10
34 Line 31 / Line 25
35 Line 33 x Line 34
37 Line 14
38 Line 34
39 Line 37 x Line 38
41 Line 31 + Line 35
42 From Company Books
43 Line 39
45 Sum of Line 41 thru Line 43
47 Line 21 + Line 45
51 Line 41 + Line 42

Line Notes (Continued)

52 Line 18
53 Line 51 + Line 52
55 From Company Books
56 From Company Books
57 Line 55 + Line 56
59(b)-(d) Line 63 / Line 55
60(b)-(d) Line 64 / Line 56
61(b)-(d) Line 65 / Line 57
63-64 From Company Books
65 Line 63 + Line 64
67 Line 53
68 Line 67 / Line 65
70 Line 52 / Line 64
72 Line 51 / Line 63

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Normalizing Adjustments to O & M Labor**

	(a) Company Direct	(b) KeySpan Corporate Services	(c) KeySpan Utility Services	(d) National Grid USA Services	(e) Other	(a)+(b)+(c)+(d)+(e) (f) Total
1 Remove Costs for Westerly Event						
2 Variable Pay	\$ -	\$ (1,000)	\$ -	\$ -	\$ (1,013)	\$ (2,013)
3 Labor - Management - OT		(30,535)				(30,535)
4 Labor - Management		(9,370)				(9,370)
5 Labor - OT Union	(281,505)	(388,116)			(16,680)	(686,301)
6 Labor - Union		(118,769)			(8,074)	(126,843)
7 Paid Absence and Vacation		(60,021)			(3,706)	(63,727)
8 Total Remove Costs for Westerly Event	\$ (281,505)	\$ (607,812)	\$ -	\$ -	\$ (29,473)	\$ (918,790)
9						
10 Remove Financial Planning Stipend						
11 Variable Pay	\$ -	\$ -	\$ -	\$ (13,973)	\$ -	\$ (13,973)
12 Labor - Management - OT						-
13 Labor - Management						-
14 Labor - OT Union						-
15 Labor - Union						-
16 Paid Absence and Vacation						-
17 Total Remove Financial Planning Stipend	\$ -	\$ -	\$ -	\$ (13,973)	\$ -	\$ (13,973)
18						
19 Remove Costs to Achieve						
20 Variable Pay	\$ (833,179)	\$ 0	\$ -	\$ (1,362,796)	\$ 1,623,304	\$ (572,671)
21 Labor - Management - OT						-
22 Labor - Management						-
23 Labor - OT Union						-
24 Labor - Union						-
25 Paid Absence and Vacation						-
26 Total Remove Costs to Achieve	\$ (833,179)	\$ 0	\$ -	\$ (1,362,796)	\$ 1,623,304	\$ (572,671)
27						
28 Total						
29 Variable Pay	\$ (833,179)	\$ (1,000)	\$ -	\$ (1,376,769)	\$ 1,622,290	\$ (588,657)
30 Labor - Management - OT		(30,535)				(30,535)
31 Labor - Management		(9,370)				(9,370)
32 Labor - OT Union	(281,505)	(388,116)			(16,680)	(686,301)
33 Labor - Union		(118,769)			(8,074)	(126,843)
34 Paid Absence and Vacation		(60,021)			(3,706)	(63,727)
35 Total	\$ (1,114,684)	\$ (607,812)	\$ -	\$ (1,376,769)	\$ 1,593,830	\$ (1,505,434)

Line Notes

- 2-7 From Page 8 of 65, Line 4(d)
- 8 Sum of Line 2 thru Line 7
- 11-16 From Page 8 of 65, Line 4(f)
- 17 Sum of Line 11 thru Line 16
- 20-25 From Page 8 of 65, Line 4(b)
- 26 Sum of Line 20 thru Line 25
- 29 Sum of Line 2 + Line 11 + Line 20
- 30 Sum of Line 3 + Line 12 + Line 21
- 31 Sum of Line 4 + Line 13 + Line 22
- 32 Sum of Line 5 + Line 14 + Line 23
- 33 Sum of Line 6 + Line 15 + Line 24
- 34 Sum of Line 7 + Line 16 + Line 25
- 35 Sum of Line 29 thru Line 34

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Pro Forma Labor Adjustments Summary

		(a)	(b)	(c)
Base Pay		Union	Management	Adjustment
1	Company Direct Charges	\$ (862,549)	\$ (180,229)	\$ (1,042,778)
2				
3	KeySpan Corporate Services Direct	17,132	(270,782)	(253,650)
4				
5	KeySpan Utility Services Direct	321	(1,410)	(1,089)
6				
7	National Grid USA Service Co	(718,258)	(508,649)	(1,226,908)
8				
9	Other	-	-	-
10				
11	Sub Total	\$ (1,563,354)	\$ (961,070)	\$ (2,524,424)
12				
13				
Variable Pay		Union Goals	Management Variable Pay	Adjustment
14				
15				
16				
17	Company Direct Charges	\$ (203,402)	\$ 52,997	\$ (150,405)
18				
19	KeySpan Corporate Services Direct	(75,066)	(818,836)	(893,902)
20				
21	KeySpan Utility Services Direct	(1,961)	(1,498)	(3,459)
22				
23	National Grid USA Service Co	(478,493)	(424,317)	(902,810)
24				
25	Other	-	-	-
26				
27	Sub Total	\$ (758,923)	\$ (1,191,654)	\$ (1,950,577)
28				
29				
Total Pay		Wages Increase	Union Goals & Variable Pay	Total Adjustment
30				
31				
32				
33	Company Direct Charges	\$ (1,042,778)	\$ (150,405)	\$ (1,193,183)
34				
35	KeySpan Corporate Services Direct	(253,650)	(893,902)	(1,147,552)
36				
37	KeySpan Utility Services Direct	(1,089)	(3,459)	(4,548)
38				
39	National Grid USA Service Co	(1,226,908)	(902,810)	(2,129,718)
40				
41	Other	-	-	-
42				
43	Grand Total	\$ (2,524,424)	\$ (1,950,577)	\$ (4,475,001)

Line Notes

- 1(a)-9(a) From Page 15 of 65, Line 18, Column (a) thru Column (e)
- 1(b)-9(b) From Page 16 of 65, Line 28, Column (a) thru Column (e)
- 1(c)-9(c) Sum of Column (a) + Column (b)
- 11(a)-11(c) Sum of Line 1 thru Line 9
- 17(a)-25(a) From Page 22 of 65 line 10, Column (a) thru Column (e)
- 17(b)-25(b) From Page 21 of 65 line 18, Column (a) thru Column (e)
- 17(c)-17(c) Sum of Column (a) + Column (b)
- 33(a)-41(a) Line 1(c) thru Line 9(c)
- 33(b)-41(b) Line 17(c) thru Line 25(c)
- 33(c)-41(c) Sum of Column (a) + Column (b)

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses - Labor Adjustments
Test Year Ended December 31, 2011
Union Pro Forma Wage Adjustments

	(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e) (f)
	Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Service Co	Other National Grid Companies	Total
1 Annual Base Union Wages- End of Year Employees	\$ 20,434,498	\$ 85,549,682	\$ 2,366,691	\$ 31,581,515		\$ 139,932,387
2						
3 Percentage Increase	4.31%	4.40%	3.63%	4.30%		
4						
5 Total Adjusted Union Wages	\$ 21,314,237	\$ 89,315,978	\$ 2,452,695	\$ 32,939,124		\$ 146,022,034
6						
7 Percentage of Wages Charged to Company	100.00%	0.35%	0.68%	8.49%		
8						
9 Percentage of Union Wages Charged to O & M	53.46%	88.40%	100.00%	79.58%		
10						
11 Rate Year Base Union O & M Wages	\$ 11,394,591	\$ 276,344	\$ 16,678	\$ 2,225,480		
12 Annual OT Union Wages and Other Premium Pay in Test Year	\$ 2,699,716	\$ 33,239	\$ 153	\$ 417,516		
13						
14 Rate Year Union O & M Wages	\$ 14,094,307	\$ 309,583	\$ 16,831	\$ 2,642,996	\$ 1,098,062	\$ 18,161,779
15						
16 Test Year Wages	\$ 14,956,856	\$ 292,451	\$ 16,510	\$ 3,361,255	\$ 1,098,062	\$ 19,725,133
17						
18 Total Union Wage Adjustment	\$ (862,549)	\$ 17,132	\$ 321	\$ (718,258)	\$ -	\$ (1,563,354)

Line Notes

- 1(a) From Page 17 of 65 Line 8, Column (b)
- 1(b) From Page 18 of 65 Line 13, Column (b)
- 1(c) From Page 19 of 65 Line 8, Column (b)
- 1(d) From Page 20 of 65 Line 9, Column (b)
- 3(a) From Page 17 of 65 Line 8, Column (e)
- 3(b) From Page 18 of 65 Line 13, Column (e)
- 3(c) From Page 19 of 65 Line 8, Column (e)
- 3(d) From Page 20 of 65 Line 9, Column (e)
- 5 Line 1 x Line 3
- 7 From Page 12 of 65, Line 60
- 9 From Page 12 of 65, Line 70
- 11 Line 5 x Line 7 x Line 9
- 12 From Page 12 of 65, Line 7
- 14 Line 11 + Line 12
- 16 From Page 12 of 65, Line 18
- 18 Line 14 - Line 16

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses - Labor Adjustments
Test Year Ended December 31, 2011
Management Pro Forma Wage Adjustments

	(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e) (f)
	Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Service Co	Other National Grid Companies	Total
1 Annual Base Management Wages - End of Year Employees	\$ 1,950,482	\$ 130,835,911	\$ 6,509,117	\$ 182,065,628		\$ 321,361,138
2 Vacancies	-	2,991,900	-	4,413,850		7,405,750
3						
4 Annual Base Management Wages - End of Year Employees	\$ 1,950,482	\$ 133,827,811	\$ 6,509,117	\$ 186,479,478		\$ 328,766,888
5						
6 Percentage Increase	5.12%	5.12%	5.12%	5.12%		
7						
8 Total Adjusted Management Wages	\$ 2,050,347	\$ 140,679,795	\$ 6,842,384	\$ 196,027,227		\$ 345,599,753
9						
10 Percentage of Wages Charged to Company	100.00%	3.52%	0.64%	4.19%		
11						
12 Percentage of Management Wages Charged to O & M	62.82%	92.35%	100.00%	72.33%		
13						
14 Percentage of Management O & M Wages Charged to DSM	-0.38%	3.37%	0.00%	6.97%		
15						
16 Rate Year Base Management O&M Wages	\$ 1,288,028	\$ 4,573,106	\$ 43,791	\$ 5,940,854		
17 Plus: Annual OT Management Wages in Test Year	\$ 57,228	\$ 57,865	\$ -	\$ 126,865		
18 Less: DSM Wages in Rate Year	\$ 4,895	\$ (154,114)	\$ -	\$ (414,078)		
19						
20 Total Rate Year Management O&M Wages	\$ 1,350,151	\$ 4,476,857	\$ 43,791	\$ 5,653,641	\$ 127,390	\$ 11,651,830
21						
22 Test Year Wages	\$ 1,530,380	\$ 4,747,639	\$ 45,201	\$ 6,145,107	\$ 127,390	\$ 12,595,717
23						
24 Division Adjustment 8-7 change in year end compliment				\$ (4,904)		\$ (4,904)
25						
26 Division Adjustment Comm 3-22 change to vacancies				\$ (12,279)		\$ (12,279)
27						
28 Total Management Wage Adjustment	\$ (180,229)	\$ (270,782)	\$ (1,410)	\$ (508,649)	\$ -	\$ (961,070)
29						
30 Number of Employee Vacancies	-	32	-	50		

Line Notes

- 1(a) From Page 17 of 65 Line 1, Column (b)
- 1(b) From Page 18 of 65 Line 1, Column (b)
- 1(c) From Page 19 of 65 Line 1, Column (b)
- 1(d) From Page 20 of 65 Line 1, Column (b)
- 2 From Workpaper MDL-3, Page 9 of 10
- 4 Line 1 + Line 2
- 6(a) From Page 17 of 65 Line 1, Column (c)
- 6(b) From Page 18 of 65 Line 1, Column (c)
- 6(c) From Page 19 of 65 Line 1, Column (c)
- 6(d) From Page 20 of 65 Line 1, Column (c)
- 8 Line 4 x Line 6
- 10 From Page 12 of 65, Line 59
- 12 From Page 12 of 65, Line 72
- 14 From Page 12 of 65, Line 42 / Page 12 of 65, Line 51
- 16 Line 8 x Line 10 x Line 12
- 17 From Page 12 of 65, Line 30
- 18 - Line 14 x Line 16
- 20 Sum of Line 16 thru Line 18
- 22 From Page 12 of 65, Line 41
- 24 Line 20 - Line 22
- 26 From Workpaper MDL-3, Page 9 of 10

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Weighted Labor Adjustment Factor Company Direct**

	(a)	(b)	(c)	(d)	(c) x (d) (e)
Employee Affiliation	<i>Headcount</i>	<i>Total Salaries (Current)</i>	<i>Overall Increases Historical Yr to Rate Yr</i>	<i>Effective Co%</i>	<i>Union Wage Increase</i>
1 Management	25	\$ 1,950,482	5.12%	100.0%	
2					
3 Bargaining					
4 310	3	219,606	4.30%	1.1%	0.05%
5 310C	54	3,846,419	4.58%	18.8%	0.86%
6 12431-01	238	16,368,473	4.24%	80.1%	3.40%
7					
8 Total Unions	295	\$ 20,434,498			4.31%
9					
10 Grand Total	320	\$ 22,384,981			

Line Notes

- 1(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 1(c) From Workpaper MDL-3, Page 2 of 10
- 1(d) Line 1(b) / by line 1(b)
- 4(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 4(c) From Workpaper MDL-3, Page 2 of 10
- 4(d) Line 4(b) / by line 8 (b)
- 5(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 5(c) From Workpaper MDL-3, Page 2 of 10
- 5(d) Line 5(b) / by line 8 (b)
- 6(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 6(c) From Workpaper MDL-3, Page 2 of 10
- 6(d) Line 6(b) / by line 8 (b)
- 8 Sum of Line 4 thru Line 6
- 10 Line 1 + Line 8

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Weighted Labor Adjustment Factor KeySpan Corporate Services

Employee Affiliation	(a)	(b)	(c)	(d)	(c) x (d) (e)
	Headcount	Total Salaries (Current)	Overall Increases Historical Yr to Rate Yr	Effective Co%	Union Wage Increase
1 Management	1,338	\$ 130,835,911	5.12%	100.0%	
2					
3 Bargaining					
4 Local 101	352	21,473,135	3.23%	25.1%	0.81%
5 Local 1049	351	21,598,574	4.92%	25.3%	1.24%
6 Local 12003	204	13,459,411	4.75%	15.7%	0.75%
7 Local 12012-04	15	1,139,499	0.85%	1.3%	0.01%
8 Local 13507	2	138,590	4.90%	0.2%	0.01%
9 Local 1381	471	26,927,514	4.92%	31.5%	1.55%
10 Local 3	7	576,972	3.23%	0.7%	0.02%
11 Local 318	3	235,986	4.32%	0.3%	0.01%
12					
13 Total Unions	1,405	85,549,682			4.40%
14					
15 Grand Total	2,743	216,385,593			

Line Notes

- 1(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 1(c) From Workpaper MDL-3, Page 3 of 10
- 1(d) Line 1(b) / by line 1(b)
- 4(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 4(c) From Workpaper MDL-3, Page 3 of 10
- 4(d) Line 4(b) / by line 13(b)
- 5(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 5(c) From Workpaper MDL-3, Page 3 of 10
- 5(d) Line 5(b) / by line 13(b)
- 6(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 6(c) From Workpaper MDL-3, Page 3 of 10
- 6(d) Line 6(b) / by line 13(b)
- 7(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 7(c) From Workpaper MDL-3, Page 3 of 10
- 7(d) Line 7(b) / by line 13(b)
- 8(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 8(c) From Workpaper MDL-3, Page 3 of 10
- 8(d) Line 8(b) / by line 13(b)
- 9(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 9(c) From Workpaper MDL-3, Page 3 of 10
- 9(d) Line 9(b) / by line 13(b)
- 10(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 10(c) From Workpaper MDL-3, Page 3 of 10
- 10(d) Line 10(b) / by line 13(b)
- 11(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 11(c) From Workpaper MDL-3, Page 3 of 10
- 11(d) Line 11(b) / by line 13(b)
- 13 Sum of Line 4 thru Line 11
- 15 Line 1 + Line 13

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Weighted Labor Adjustment Factor KeySpan Utility Services**

	(a)	(b)	(c)	(d)	(c) x (d) (e)
Employee Affiliation	<i>Headcount</i>	<i>Total Salaries (Current)</i>	<i>Overall Increases Historical Yr to Rate Yr</i>	<i>Effective Co%</i>	<i>Union Wage Increase</i>
1 Management	69	\$ 6,509,117	5.12%	100%	
2					
3 Bargaining					
4 Local 101	23	1,804,509	3.23%	76.3%	2.47%
5 Local 1049	5	409,365	4.92%	17.3%	0.85%
6 Local 1381	2	152,818	4.92%	6.5%	0.32%
7					
8 Total Unions	30	\$ 2,366,691			3.63%
9					
10 Grand Total	99	\$ 8,875,808			

Line Notes

- 1(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 1(c) From Workpaper MDL-3, Page 4 of 10
- 1(d) Line 1(b) / by line 1(b)
- 4(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 4(c) From Workpaper MDL-3, Page 4 of 10
- 4(d) Line 4(b) / by line 8(b)
- 5(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 5(c) From Workpaper MDL-3, Page 4 of 10
- 5(d) Line 5(b) / by line 8(b)
- 6(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 6(c) From Workpaper MDL-3, Page 4 of 10
- 6(d) Line 6(b) / by line 8(b)
- 8 Sum of Line 4 thru Line 6
- 10 Line 1 + Line 8

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Weighted Labor Adjustment Factor National Grid USA Service Company

Employee Affiliation	(a)	(b)	(c)	(d)	(c) x (d) (e)
	Headcount	Total Salaries (Current)	Overall Increases Historical Yr to Rate Yr	Effective Co%	Union Wage Increase
1 Management	1,953	\$ 182,065,628	5.12%	100%	
2					
3 Bargaining					
4 Local 310,329,330	53	3,453,008	4.30%	10.9%	0.47%
5 Local 486,326	205	15,794,297	4.30%	50.0%	2.15%
6 Local 369	198	10,193,371	4.30%	32.3%	1.39%
7 Local 12431-01	32	2,140,840	4.25%	6.8%	0.29%
8					
9 Total Unions	488	\$ 31,581,515			4.30%
10					
11 Grand Total	2,441	\$ 213,647,143			

Line Notes

- 1(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 1(c) From Workpaper MDL-3, Page 5 of 10
- 1(d) Line 1(b) / by line 1(b)
- 4(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 4(c) From Workpaper MDL-3, Page 5 of 10
- 4(d) Line 4(b) / by line 9(b)
- 5(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 5(c) From Workpaper MDL-3, Page 5 of 10
- 5(d) Line 5(b) / by line 9(b)
- 6(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 6(c) From Workpaper MDL-3, Page 5 of 10
- 6(d) Line 6(b) / by line 9(b)
- 7(a)-(b) From Workpaper MDL-3, Page 1 of 10
- 7(c) From Workpaper MDL-3, Page 5 of 10
- 7(d) Line 7(b) / by line 9(b)
- 9 Sum of Line 4 thru Line 7
- 11 Line 1 + Line 9

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Variable Pay Adjustment

		(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e)
		Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Service Co	Other National Grid Companies	Total
1	Target Annual Variable Pay - End of Year Employees	\$ 181,891	\$ 15,112,734	\$ 770,429	\$ 20,569,830		\$36,634,884
2	Target Annual Variable Pay - Vacancies	-	326,875	-	458,739		
3	Total Target Annual Variable Pay	\$ 181,891	\$ 15,439,610	\$ 770,429	\$ 21,028,569		
4							
5	Percentage of Annual Wages Charged to Company	100.00%	3.52%	0.64%	4.19%		
6	Percentage of Management Wages Charged to O & M	62.82%	92.35%	100.00%	72.33%		
7	Percentage of Management O & M Wages Charged to DSM	-0.38%	3.37%	0.00%	6.97%		
8							
9	Target Variable Pay Charged to O&M	\$ 114,264	\$ 501,898	\$ 4,931	\$ 637,297	\$ 5,360	\$ 1,263,750
10							
11	Test Year Variable Pay charged to O&M	\$ 61,701	\$ 1,303,820	\$ 6,429	\$ 1,017,194	\$ 5,360	\$ 2,394,504
12	Less: DSM Variable Pay in Rate Year	\$ 234	\$ (43,939)	\$ -	\$ (70,898)	\$ -	\$ (114,603)
13	Test Year Variable Pay charged to O&M	\$ 61,935	\$ 1,259,881	\$ 6,429	\$ 946,296	\$ 5,360	\$ 2,279,901
14							
15	Division Adjustment for DSM	\$ 668	\$ (60,853)	\$ -	\$ (115,318)		\$ (175,503)
16							
17							
18	Variable Pay Adjustments	\$ 52,997	\$ (818,836)	\$ (1,498)	\$ (424,317)	\$ -	\$ (1,191,654)
		\$ 668	\$ (60,853)	\$ -	\$ (115,318)		

Line Notes

- 1(a)-(d) From Workpaper MDL-3, Page 6 of 10
- 2(a)-(d) From Workpaper MDL-3, Page 7 of 10
- 3 Sum of Line 1 thru Line 2
- 5 From Page 12 of 65, Line 59
- 6 From Page 12 of 65, Line 72
- 7 From Page 12 of 65, Line 42 / Page 12 of 65, Line 51
- 9 Line 3 x Line 5 x Line 6
- 11 From Page 12 of 65, Line 43
- 12 -Line 7 x Line 11
- 13 Sum of Line 11 thru Line 12
- 15 Line 9 - Line 13

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Union Goals Adjustment

		(a)	(c)	(d)	(b)	(e)	(a)+(b)+(c)+(d)+(e) (f)
		Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Service Co	Other National Grid Companies	Total
1	Target Annual Union Goals - End of Year Employees	\$ 747,521	\$ 1,696,105	\$ 56,893	\$ 1,152,869		\$ 3,653,388
2							
3	Percentage of Annual Union Wages Charged to O & M	100.00%	0.35%	0.68%	8.49%		
4	Percentage of Wages Charged to Company	53.46%	88.40%	100.00%	79.58%		
5							
6	Target Union Goals Charged to O&M	\$ 399,625	\$ 5,248	\$ 387	\$ 77,892	\$ 46,199	\$ 529,350
7							
8	Test Year Union Goals charged to O&M	\$ 603,027	\$ 80,314	\$ 2,348	\$ 556,385	\$ 46,199	\$ 1,288,273
9							
10	Union Goals Adjustments	\$ (203,402)	\$ (75,066)	\$ (1,961)	\$ (478,493)	\$ -	\$ (758,923)

Line Notes

- 1(a)-(d) From Workpaper MDL-3, Page 8 of 10
- 3 From Page 12 of 65, Line 60
- 4 From Page 12 of 65, Line 70
- 6 Line 1 x Line 3 x Line 4
- 8 From Page 12 of 65, Line 19
- 10 Line 6 - Line 8

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Healthcare

	(a)	(b)	(a) + (b) (c)	(d)	(c) +(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	\$2,725,509	\$0	\$2,725,509	(\$44,608)	\$2,680,901
2 KeySpan Corporate Services	\$936,149	(\$79,045)	\$857,104	(\$90,183)	\$766,921
3 KeySpan Utility Services	\$17,131	\$0	\$17,131	(\$7,906)	\$9,225
4 National Grid USA Services	\$1,023,451	\$0	\$1,023,451	\$154,275	\$1,177,726
5 Other	\$132,111	(\$2,106)	\$130,005	\$0	\$130,005
6 Total	\$4,834,351	(\$81,151)	\$4,753,200	\$11,578	\$4,764,778

	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
10 Normalizing Adjustments					
11 Remove Costs for Westerly Event		(\$79,045)			(\$2,106)
12 Total	\$0	(\$79,045)	\$0	\$0	(\$2,106)

17 Number of Vacancies - Union	0	0	0	0
18 Average Cost Per Employee - Union Medical				
19 Average Cost Per Employee - Union Dental				
20 Additional Costs for Vacancies	\$0	\$0	\$0	\$0
21				
22 Number of Vacancies - Management	0	32	0	50
23 Average Cost Per Employee - Management - Medical		\$10,769		\$11,490
24 Average Cost Per Employee - Management -Dental		\$793		\$834
25 Additional Costs for Vacancies	\$0	\$369,979	\$0	\$616,193
26				
27 Total Additional Costs for Vacancies	\$0	\$369,979	\$0	\$616,193

	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
	(k)	(l)	(m)	(n)	(o)
31 Healthcare Increases					
32 Rate Year Total Annual Medical and Dental - End of Year Employees	\$4,945,399	\$35,984,785	\$1,419,239	\$31,013,026	
33					
34 Plus Additional Cost For Vacancies	\$0	\$369,979	\$0	\$616,193	
35					
36 Percentage of Salaries Charged to Company	100.00%	2.29%	0.65%	4.99%	
37					
38 Percentage of Labor Charged to O & M	54.21%	92.12%	100.00%	74.62%	
39					
40 Rate Year Medical and Dental Expense	\$2,680,901	\$766,921	\$9,225	\$1,177,726	\$130,005
41					
42 Adjusted Test Year Healthcare Expense	\$2,725,509	\$857,104	\$17,131	\$1,023,451	\$130,005
43					
44 Total Healthcare Expense Adjustment	(\$44,608)	(\$90,183)	(\$7,906)	\$154,275	\$0
45					

Line Notes

1(a)-5(a)	From Company books	25	(Line 23 + Line 24) x Line 22
1(b)-5(b)	Line 12	27	Line 20 + Line 25
1(d)-5(d)	Line 45	33(k) - 33(n)	From Workpaper MDL-5 Page 1, Line 1(a) -Line (d)
6	Sum of Line 1 through line 5	35	Line 27
11(f)-11(j)	From Page 8 of 65, Line 5(d)	37	From Page 12 of 65, Line 61
12	Line 11	39	From Page 12 of 65, Line 68
22	From Page 16 of 65, Line 30	41	(Line 33 + Line 35) x Line 37 x Line 39
23	From Workpaper MDL-5 Page 1, Line 28(b)	43(k) - 43(o)	Line 1(c) through Line 5(c)
24	From Workpaper MDL-5 Page 1, Line 29(b)	45	Line 41 - Line 43

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
401K Match

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro-Forma Adjustments	Rate Year Adjusted
1 Company Direct	165,297	-	165,297	(11,461)	153,836
2 KeySpan Corporate Services	130,743	(6,201)	124,542	(21,082)	103,460
3 KeySpan Utility Services	2,106	-	2,106	(136)	1,970
4 National Grid USA Services	344,894	-	344,894	(62,113)	282,781
5 Other	85,521	(780)	84,741	-	84,741
6 Total	\$728,561	(\$6,982)	\$721,579	(\$94,792)	\$626,787

	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
10 Normalizing Adjustments					
11 Remove Costs for Westerly Event		(6,201)			(780)
12 Total	\$0	(\$6,201)	\$0	\$0	(\$780)

	(k)	(l)	(m)
	Adjusted Test Year Labor Cost	Adjusted Test Year 401K Match	Average Expense Per Labor Dollar
17 Adjustment for Vacancies			
19 Company Direct Charges	\$ 17,151,964	\$ 165,297	0.96%
20 KeySpan Corporate Services	6,424,223	124,542	1.94%
21 KeySpan Utility Services	70,488	2,106	2.99%
22 National Grid USA Services	11,079,941	344,894	3.11%
23 Other	1,277,011	84,741	6.64%
24 Total	\$ 36,003,627	\$ 721,579	

	(n)	(o)	(p)	(q)	(r)
	Rate Year Labor Cost	Adjusted Test Year Labor Costs	Difference	Average Expense Per Labor Dollar	Rate Year 401K Match
27 December 2011					
30 Company Direct Charges	\$ 15,958,113	\$ 17,151,964	\$ (1,193,851)	0.96%	(11,461)
31 KeySpan Corporate Services	5,337,524	6,424,223	(1,086,699)	1.94%	(21,082)
32 KeySpan Utility Services	65,940	70,488	(4,548)	2.99%	(136)
33 National Grid USA Services	9,082,725	11,079,941	(1,997,217)	3.11%	(62,113)
34 Other	1,277,011	1,277,011	-	6.64%	-
35 Total	\$ 31,721,312	\$ 36,003,627	\$ (4,282,315)		\$ (94,792)

Line Notes

- 1-5 (a) From Company books
- 1-5 (b) Line 12
- 1-5 (d) Column (r)
- 6 Sum of Line 1 thru Line 5
- 11(f)-12(j) From Page 8 of 65, Line 9(a)
- 12 Sum of Line 10 thru Line 11
- 19(k)-23(k) From Page 10 of 65, Column (c)
- 19(m)-23(m) Column (l) / Column (k)
- 24 Sum of Line 19 thru Line 23
- 30(n)-34(n) From Page 10 of 65, Column (e)
- 30(o)-34(o) Line 19(k) thru Line 23(k)
- 30(p)-34(p) Column (n) - Column (o)
- 30(q)-34(q) Line 19(m) thru Line 23(m)
- 30(r)-34(r) Column (p) x Column (q)
- 35 Sum of Line 30 thru Line 34

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
401K Pension Replacement Plan

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro-Forma Adjustments	Rate Year Adjusted
1 Company Direct	-	-	-	9,000	9,000
2 KeySpan Corporate Services	493	-	493	44,763	45,256
3 KeySpan Utility Services	4	-	4	337	341
4 National Grid USA Services	1,326	-	1,326	56,081	57,407
5 Other	-	-	-	-	-
6 Total	<u>\$ 1,823</u>	<u>\$ -</u>	<u>\$ 1,823</u>	<u>\$ 110,181</u>	<u>\$ 112,004</u>
7					
8					
9					
10	(f)	(g)	(h)	(i)	(j)
11	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Total
12 Current Employees in Plan	-	13	1	21	35
14 Average Benefit per Employee	\$ 7,163	\$ 6,858	\$ 10,662	\$ 7,342	\$ 32,025
15					
16 Number of Vacancies	-	32	-	50	82
17					
18 Rate Year Contributions for Vacancies	\$ -	\$ 219,456	\$ -	\$ 367,100	\$ 586,556
19					
20 Estimated New Hires 1/1/12 to 1/31/13	1	117	3	142	263
21 Estimated New Hires 2/1/13 to 1/31/14	1	54	2	66	123
22 Total Estimated New Hires	<u>2</u>	<u>171</u>	<u>5</u>	<u>208</u>	<u>386</u>
23					
24 Rate Year Contributions for New Hires	\$ 14,326	\$ 1,172,718	\$ 53,310	\$ 1,527,136	\$ 2,767,490
25					
26 Percentage of Management Wages Charged to Company	100.00%	3.52%	0.64%	4.19%	
27					
28 Percentage of Management Wages Charged to O & M	62.82%	92.35%	100.00%	72.33%	
29					
30 Rate Year Benefit Charged to Company O & M Vacancies	\$ -	\$ 7,134	\$ -	\$ 11,125	\$ 18,259
31					
32 Rate Year Benefit Charged to Company O & M New Hires	\$ 9,000	\$ 38,122	\$ 341	\$ 46,282	\$ 93,745
33					
34 Total 401K Pension Replacement Benefit for Rate Year	<u>\$ 9,000</u>	<u>\$ 45,256</u>	<u>\$ 341</u>	<u>\$ 57,407</u>	<u>\$ 112,004</u>
35					
36 Test Year 401K Pension Replacement Benefit	\$ -	\$ 493	\$ 4	\$ 1,326	\$ 1,823
37					
38 Total Management 401K Adjustment	<u>\$ 9,000</u>	<u>\$ 44,763</u>	<u>\$ 337</u>	<u>\$ 56,081</u>	<u>\$ 110,181</u>

Line Notes

1(a)-5(a)	From Company books	32	Line 24 x Line 26 x Line 28
1(d)-5(d)	Line 38	34	Line 30 + Line 32
6	Sum of Line 1 thru Line 5	36	From Line 1(a) thru Line 5(a)
12-14	Company books	38	Line 34 + Line 36
16	From Page 16 of 65, Line 30		
18	Line 14 x Line 16		
20	Workpaper MDL-4-GAS, Column (f)		
21	Workpaper MDL-4-GAS, Column (g)		
22	Sum of Line 20 thru Line 21		
24	Line 14 x Line 22		
26	From Page 12 of 65, Line 59		
28	From Page 12 of 65, Line 72		
30	Line 18 x Line 26 x Line 28		

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Donations**

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1	Company Direct	\$0	\$262,436	\$0	\$262,436
2	KeySpan Corporate Services	\$0	(\$19,697)	\$0	(\$19,697)
3	KeySpan Utility Services	\$0	\$0	\$0	\$0
4	National Grid USA Services	\$0	(\$5,153)	\$0	(\$5,153)
5	Other	\$0	(\$2,500)	\$0	(\$2,500)
6	Total	<u>\$0</u>	<u>\$235,086</u>	<u>\$0</u>	<u>\$235,086</u>
7					
8					
9					
10		(f)	(g)	(h)	(i)
11	Normalizing Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA
12	Reclassify Donations to O & M	\$212,284			
13	Non Jurisdictional donations		(\$19,697)		(\$5,153)
14	Additional test year donations	\$50,152			(\$2,500)
15					
16	Total	<u>\$262,436</u>	<u>(\$19,697)</u>	<u>\$0</u>	<u>(\$5,153)</u>
					<u>(\$2,500)</u>

Line Notes

- 1-5(b) Line 16
- 6 Workpaper MDL-6 Page 1 of 1
- 12(f)-14(j) From Page 8 of 65, Line 8
- 16 Sum of Line 12 thru Line 14

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Computer Software Expenses

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Books Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1 Company Direct	26,387	(2,912)	23,475	-	23,475
2 KeySpan Corporate Services	41,303	-	41,303	-	41,303
3 KeySpan Utility Services	1,305	-	1,305	-	1,305
4 National Grid USA Services	1,001,368	(36,452)	964,916	1,804,095	2,769,011
5 Other	148,358	(17,601)	130,757	-	130,757
6 Total	\$ 1,218,721	\$ (56,966)	\$ 1,161,756	\$ 1,804,095	\$ 2,965,851

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	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
Normalizing Adjustments					
Remove ProCard Charges - Hart				(110)	
Remove Project Expense				(131)	
Remove Costs to Achieve	(2,912)	-	-	(36,211)	(17,601)
Total	\$ (2,912)	\$ -	\$ -	\$ (36,452)	\$ (17,601)

	(k)	(l)	(m) = (k) + (l)
	Adjusted Books Year Ended December 31, 2011	Inflation Adjustment	Rate Year Adjusted
Purchased software	\$ 1,071,794	\$ 40,835	\$ 1,112,629
	(n)	(o) = (p) - (n)	(p)
	Adjusted Books Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
IT Software Rents - existing projects	89,961	3,990	93,952
IT Software Rents - other new projects	-	666,939	666,939
IT Software Rents - US Foundations project	-	1,092,331	1,092,331
Total	\$ 1,161,756	\$ 1,804,095	\$ 2,965,851

Line Notes

- 1-5 (a) From Company books
- 1-5 (b) Line 19
- 4(d) Line 40(l)
- 6 Sum of Line 1 thru Line 5
- 16(f)-18(j) From Page 8 of 65, Line 9
- 19 Sum of Line 16 thru Line 18
- Col (k) & (n) From Col (c)
- Col (l) Col (k) times 3.81% inflation rate from Page 48 of 65
- Col (p) From Workpaper MDL-7, Page 10 Lines 198 through 200
- 40 Sum of Line 27 through Line 38

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Regulatory Assessments**

	(a)	(b)	(a) + (b) (c)	(d)	(c) +(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1 Company Direct	\$1,468,122	\$0	\$1,468,122	(\$87,372)	\$1,380,750
2 KeySpan Corporate Services	\$0	\$0	\$0		\$0
3 KeySpan Utility Services	\$0	\$0	\$0		\$0
4 National Grid USA Services	\$0	\$0	\$0		\$0
5 Other	\$0	\$0	\$0		\$0
6 Total	<u>\$1,468,122</u>	<u>\$0</u>	<u>\$1,468,122</u>	<u>(\$87,372)</u>	<u>\$1,380,750</u>

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	(f)	(g)	(h)	(i)	(j)
	Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
14 Normalizing Adjustments					
15 Total	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

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	(f)	(g)	(h)	(i)	(j)
	Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
20 Proforma Adjustments					
21 Adjustment to current year expense	(\$87,372)				
22 Total	<u>(\$87,372)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Line Notes

- 1(a)-5(a) From Company books
- 1(d) From Exhibit NG-MDL-8-GAS
- 6 Sum of line 1 through line 5

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Facilities

	(a)	(b)	(a) + (b) (c)	(d)	(c) +(d) (e)	
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted	
1	Company Direct	\$1,060,526	(\$85,911)	\$974,615	\$26,592	\$1,001,207
2	KeySpan Corporate Services	\$228,869	\$0	\$228,869	\$8,564	\$237,433
3	KeySpan Utility Services	\$10,037	\$0	\$10,037	\$0	\$10,037
4	National Grid USA Services	\$1,069,846	(\$18,679)	\$1,051,167	\$95,786	\$1,146,952
5	Other	\$366,860	\$0	\$366,860	\$106,679	\$473,539
6	Total	\$2,736,138	(\$104,590)	\$2,631,548	\$237,620	\$2,869,168
7						
8						
9						
10						
11	<u>Direct costs</u>					
12	Cumberland, RI	\$226,555	\$0	\$226,555	\$8,632	\$235,186
13	Dexter St., Providence	\$274,824	\$0	\$274,824	\$10,471	\$285,295
14	Allens Ave., Providence	\$137,794	\$0	\$137,794	\$5,250	\$143,044
15	Weybosset St., Providence	\$83,974	(\$83,974)	\$0	\$0	\$0
16	All other Facilities	\$7,742	\$0	\$7,742	\$295	\$8,036
17	Company Use Gas	\$276,662	\$0	\$276,662	\$0	\$276,662
18	Gas, Water & Electric Utilities	\$52,976	(\$1,936)	\$51,039	\$1,945	\$52,984
19	Subtotal-Direct Facilities	\$1,060,526	(\$85,911)	\$974,616	\$26,592	\$1,001,208
20						
21						
22						
23						
24	<u>Indirect costs</u>					
25	Reservoir Woods	\$306,240		\$306,240	\$11,668	\$317,908
26	Reservoir Woods Leasehold Improvements	\$73,922		\$73,922	\$70,660	\$144,582
27	Sutton, MA CDC	\$354,328		\$354,328	\$13,500	\$367,828
28	Northboro Call Center	\$344,443		\$344,443	\$93,179	\$437,622
29	Syracuse, NY	\$271,594		\$271,594	\$10,348	\$281,942
30	Metrotech, NY	\$184,604		\$184,604	\$7,033	\$191,637
31	Worcester, MA	\$0		\$0	\$0	\$0
32	Millbury, MA Training Center	\$0		\$0	\$0	\$0
33	Westborough, MA	\$18,679	(\$18,679)	\$0	\$0	\$0
34	Hicksville, NY	\$28,426		\$28,426	\$1,083	\$29,509
35	Melrose St, Providence	\$60,309		\$60,309	\$2,298	\$62,607
36	Melville, NY	\$11,745		\$11,745	\$447	\$12,192
37	Washington, D.C.	\$6,924		\$6,924	\$264	\$7,188
38	Middletown, RI	\$500	\$0	\$500	\$19	\$519
39	All other Facilities	\$13,897		\$13,897	\$529	\$14,426
40	Gas, Water & Electric Utilities	\$0		\$0	\$0	\$0
41	Subtotal-Indirect Facilities	\$1,675,611	(\$18,679)	\$1,656,932	\$211,028	\$1,867,961
42						
43	TOTAL Facilities	\$2,736,138	(\$104,590)	\$2,631,548	\$237,620	\$2,869,168

Line Notes

- 1-5(a) From Company books
- 1(b) Line 19(b)
- 4(b) Line 41(b)
- 1(d) Line 19(d)
- 2(d) Sum of Lines 30, 34 and 36 Column (d)
- 4(d) Sum of Lines 25, 26, 29, 35, 37, 38 and 39 Column (d)
- 5(d) Line 27(d) + Line 28(d)
- 6 Sum of Line 1 thru Line 5
- 12-18(b) From Page 8 of 65, Line 11 Column (f)
- 12-18(d) Line 12-18(c) x Page 48 of 65 Line 52 Column (c)
- 25-40(b) From Page 8 of 65, Line 11 Column (f)
- 25,27,29-39(d) Column (c) x Page 48 of 65, Line 52 Column (c)
- 26(e) From Workpaper MDL-9 Page 1 of 2
- 28(e) From Workpaper MDL-9 Page 2 of 2

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Facilities Consolidation Savings**

	<u>Rate Year</u>
1 Estimated Cumberland Operating Cost savings	(\$260,000)
2 Estimated Dexter Operating Cost savings	(\$310,000)
3 Estimated Annual Cumberland Lease Revenue	(\$182,000)
4 Total Estimated Operating Cost Savings	(\$752,000)
5	
6 Estimated Lincoln Incremental Operating Costs	\$50,000
7 Estimated Allens Incremental Operating Costs	\$200,000
8 Estimated Incremental Property Tax on Renovations	\$63,130
9 Total Estimated Incremental Operating Costs	\$313,130
10	
11	
12 Total Net Facilities Consolidation Savings	(\$438,870)

Line Notes

- 1-2 Per Workpaper MDL-10
8 \$2,140,000 incremental capital renovations at Dexter, Allens & Lincoln times 2.95% effective property tax rate per Gas ISR filing Docket No. 4306
12 Line 4 + Line 9

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Uninsured Claims**

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	\$174,019	\$0	\$174,019	\$604,499	\$778,518
2 KeySpan Corporate Services	\$0	\$0	\$0		\$0
3 KeySpan Utility Services	\$0	\$0	\$0		\$0
4 National Grid USA Services	\$220,934	\$0	\$220,934	(\$220,934)	\$0
5 Other	\$249	\$0	\$249	(\$249)	\$0
6 Division Settlement Adjustment			\$0	(\$223,247)	(\$223,247)
7 Total	<u>\$395,202</u>	<u>\$0</u>	<u>\$395,202</u>	<u>\$160,069</u>	<u>\$555,271</u>
8					
9					
10					
11					
12					
13					
14					
		(f)	(g)	(h)	
		General & Auto Liability	Workers Comp.	Total	
15 Actual Claims Paid, Years ending	12/31/2007	\$482,298	\$312,918	\$795,216	
16	12/31/2008	\$390,668	\$373,689	\$764,357	
17	12/31/2009	\$260,195	\$282,409	\$542,604	
18	12/31/2010	\$392,748	\$462,704	\$855,452	
19	12/31/2011	\$377,695	\$404,548	\$782,243	
20					
21 Average					\$747,974
22					
23 Add: Administrative Fees paid to third party claims administrator					\$30,544
24 Total					<u>\$778,518</u>
25					
26 Test Year					<u>\$395,202</u>
27 Adjustment for Uninsured Claims					<u>\$383,316</u>

Line Notes

- 1(a)-5(a) From Company books
- 6(d) Line 27
- 14-18 From Company books
- 24 Line 15(h) thru Line 19(h) / 5
- 22 From Company books
- 23 Line 21 + Line 23
- 25 Line 7(c)
- 26 Line 24 - Line 26

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Insurance Premiums**

	(a)	(b)	(a) + (b) (c)	(d)	(c) +(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1	Company Direct	\$0	\$0		\$0
2	KeySpan Corporate Services	\$0	\$0		\$0
3	KeySpan Utility Services	\$0	\$0		\$0
4	National Grid USA Services	\$620,945	\$21,171	\$642,116	284
5	Other	\$0	\$0		\$0
6	Total	\$620,945	\$21,171	\$642,116	\$284
7					
8					
9					
10	Normalizing Adjustments	<u>Company Direct</u>	<u>KeySpan Corporate</u>	<u>KeySpan Utility</u>	<u>National Grid USA</u>
11	Reverse Credit for 2007 tax accrual				21,171
12	Total	-	-	-	21,171

Line Notes

- 1(a)-5(a) From Company books
- 1(b)-5(b) Line 12
- 4(d) From Page 33 of 65, Line 40
- 6 Sum of Line 1 through 5
- 11 From Company books

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Insurance Premium Details

Line of Coverage	Policy Period	Policy Number	Carrier	(a) Current Premium	(b) Allocated %	(a) x (b) (c) Annualized Expense
1 Aviation	4/1/11-3/31/12	10045246	Global Aerospace	\$153,740	5.578%	\$8,576
2						
3 Business Travel Accident	1/1/12-12/31/12	GTP9132752	AIG Life Ins Co	\$67,500	3.884%	\$2,622
4						
5 Excess Liability	4/1/11-3/31/12	X5686A1A-11	AEGIS	\$5,775,000	3.463%	\$199,988
6	4/1/11-3/31/12	XCP G22582930A	ACE	<u>\$716,708</u>	3.463%	<u>\$24,820</u>
7			Total	\$6,491,708		\$224,808
8						
9 Employment Practices &	11/30/11-10/31/12	01-357-16-65	EPLI - Nat Union Fire Ins (Chartis)	\$215,000	3.785%	\$8,138
10 Fiduciary Liability	11/30/11-10/31/12	01-374-18-83	Fiduciary - Nat Union Fire Ins (Chartis)	\$132,386	3.785%	\$5,011
11	11/30/11-10/31/12	FX5040711P	Fiduciary - AEGIS	\$269,525	3.785%	\$10,202
12	11/30/11-10/31/12	272034-11FL	Fiduciary - EIM	\$223,725	3.785%	\$8,468
13	11/30/11-10/31/12	6800-2140	Fiduciary - Chubb	<u>\$72,500</u>	3.785%	<u>\$2,744</u>
14			Total	\$913,136		\$34,563
15						
16 Fidelity Bond (Crime)	11/30/11-10/31/12	01-374-20-08	Nat Union Fire Ins (Chartis)	\$85,939	5.672%	\$4,874
17	11/30/11-10/31/12	CRP-554-40-90-09	Great American Ins Co	<u>\$29,790</u>	5.672%	<u>\$1,690</u>
18			Total	\$115,729		\$6,564
19						
20 Surety Bonds	1/1/12-12/31/12	Bond # 104240446	Travelers	\$68,367	3.884%	\$2,655
21						
22 Workers' Compensation - Excess	7/1/11-6/30/12	EW7-621-004536-511	Liberty Mutual	\$1,408,185	3.785%	\$53,300
23						
24 Directors & Officers	12/1/11-11/30/12	Various	Various	\$2,165,914	3.463%	\$75,006
25						
26 Public (Excess) Liability	4/1/11-3/31/12	Various	NGICL	\$3,642,319	3.463%	\$126,134
27						
28 Property	4/1/11-3/31/12	NG/PD/BI/11/001	NGICL	\$2,543,020	3.317%	\$84,352
29						
30 Business Interruption	4/1/11-3/31/12	NG/PD/BI/11/001	NGICL	\$246,101	3.320%	\$8,171
31						
32 Property Terrorism	4/1/11-3/31/12	NG/TE/11/017	NGICL	\$250,000	3.316%	\$8,290
33						
34 Tax on Insurance Premiums						\$10,014
35						
36						<u>\$642,400</u>
37						
38 Test Year Insurance Premium Expense						<u>\$642,116</u>
39						
40 Proforma Insurance Premium Adjustment						<u>\$284</u>

Line Notes

34(c) Insurance premium tax payments are for Federal Excise Tax (FET) owed on insurance premiums paid to certain insurance carriers. FET may be imposed on insurance policies issued by foreign insurers unless the insurer has obtained an FET exemption.

36(c) Sum of Line 1(c) thru Line 34(c)

38 From Page 32 of 65, Line 6(c)

40 Line 36 - Line 38

Column Notes

(a) From Company books

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Payroll Taxes

Payroll Taxes Charged to O&M Accounts

	(a)	(b)	(a)+(b) (c)	(d)	(c)+(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Direct	(\$28,366)	\$0	(\$28,366)	\$1,979	(\$26,387)
2 KeySpan Corporate Services	\$528,105	(\$42,963)	\$485,142	(\$82,046)	\$403,096
3 KeySpan Utility Services	\$8,102	\$0	\$8,102	(\$523)	\$7,579
4 National Grid USA Services	\$29,218	\$0	\$29,218	(\$5,257)	\$23,961
5 Other	\$13,671	\$0	\$13,671	\$0	\$13,671
6 Total	\$550,730	(\$42,963)	\$507,767	(\$90,355)	\$421,920

	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
10 Normalizing Adjustments					
11 Remove Costs for Westerly Event		(\$42,963)			
12 Total	\$0	(\$42,963)	\$0	\$0	\$0

	(k)	(l)	(m)	(n)	(o)
Percentage Calculations	Adjusted Test Year Labor Cost	Adjusted Test Year Total Payroll Tax Costs	Average Expense Per Labor Dollar	O & M % of Test Year Payroll Tax Cost	Non O & M % of Test Year Payroll Tax Cost
19 Company Direct Charges	\$17,151,964	\$1,562,586	9.11%	-1.82%	101.82%
20 KeySpan Corporate Services	\$6,424,223	\$485,142	7.55%	100.00%	0.00%
21 KeySpan Utility Services	\$70,488	\$8,102	11.49%	100.00%	0.00%
22 National Grid USA Services	\$11,079,941	\$535,641	4.83%	5.45%	94.55%
23 Other	\$1,277,011	\$309,326	24.22%	4.42%	95.58%
24 Total	\$36,003,627	\$2,900,797			

	(p)	(q)	(r)	(s)	(t)
Pro Forma Adjustments	Rate Year Labor Cost	Adjusted Test Year Labor Costs	Labor Cost Difference	Average Expense Per Labor Dollar	O & M Rate Year Payroll Tax Costs
30 Company Direct Charges	\$15,958,113	\$17,151,964	(\$1,193,851)	9.11%	\$1,979
31 KeySpan Corporate Services	\$5,337,524	\$6,424,223	(\$1,086,699)	7.55%	(\$82,046)
32 KeySpan Utility Services	\$65,940	\$70,488	(\$4,548)	11.49%	(\$523)
33 National Grid USA Services	\$9,082,725	\$11,079,941	(\$1,997,217)	4.83%	(\$5,257)
34 Other	\$1,277,011	\$1,277,011	\$0	24.22%	\$0
35 Total	\$31,721,312	\$36,003,627	(\$4,282,315)		(\$85,847)

Payroll Taxes Charged to Taxes Other Than Income

	(u)	(v)	(w)	(x)	(y)
	Total Test Year Per Books	Normalizing Adjustments	Adj Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
43 Direct	\$1,590,952	\$0	\$1,590,952	(\$122,382)	\$1,468,570
44 KeySpan Corporate Services	\$0	\$0	\$0	\$0	\$0
45 KeySpan Utility Services	\$0	\$0	\$0	\$0	\$0
46 National Grid USA Services	\$506,423	\$0	\$506,423	(\$95,168)	\$411,255
47 Other	\$298,228	(\$2,573)	\$295,655	(\$3,734)	\$291,921
48 Total	\$2,395,603	(\$2,573)	\$2,393,030	(\$221,284)	\$2,171,746

	(z)	(aa)	(bb)	(cc)	(dd)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
52 Normalizing Adjustments					
53 Remove Costs for Westerly Event					(\$2,573)
54 Total	\$0	\$0	\$0	\$0	(\$2,573)

	(ee)	(ff)	(gg)	(hh)	(ii)
Pro Forma Adjustments	Labor Cost Difference	Average Expense Per Labor Dollar	Rate Year Payroll Tax Costs	Rate Year Consumer Advocates	Rate Year USFP Support
60 Company Direct	(\$1,193,851)	9.11%	(\$110,739)	\$8,449	\$0
61 KeySpan Corporate Services	(\$1,086,699)	7.55%	\$0	\$0	\$0
62 KeySpan Utility Services	(\$4,548)	11.49%	\$0	\$0	\$0
63 National Grid USA Services	(\$1,997,217)	4.83%	(\$91,208)	\$0	\$2,436
64 Other	\$0	24.22%	\$0	\$0	\$0
65 Division Adjustment			(\$30,222)		
66 Total	(\$4,282,315)		(\$232,169)	\$8,449	\$2,436

Line Notes

1-5(a)	From Company books	30-34(i)	Column (r) x Column (s) x Column (n)
1-5(b)	Line 12	43-47(u)	From Company books
1-5(d)	Column (t)	43-47(v)	Line 55
6	Sum of Line 1 thru Line 5	43-47(w)	Column (u) + Column (v)
11	From Page 8 of 65, Line 14	43-47(x)	Column (gg) + Column (hh) + Column (ii)
12	Line 11	43-47(y)	Column Adj Test Year Ended + Column Pro Forma
19-23(k)	From Page 10 of 65, Column (c)	50	Sum of Line 43 thru Line 47
19-23(l)	Line 1 thru Line 5(c) + Line 43 thru Line 47(w)	54(z)	From Company books
19-23(m)	Column (l) / Column (k)	55	Line 54
19-23(n)	Column (c) / Column (l)	60-64(ee)	Column (r)
19-23(o)	Column (w) / Column (l)	60-64(ff)	Column (m)
30-34(p)	From Page 10 of 65, Column (e)	60-64(gg)	Column (ee) x Column (ff) x Column (o)
30-34(q)	Column (k)	60 (hh)	From Page 42 of 65, Line 50
30-34(r)	Column (p) - Column (q)	63(ii)	From Page 43 of 65, Line 47
30-34(s)	Column (n)	65	Sum of Line 60 thru Line 64

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Other Post-Employment Benefits (OPEB)

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)	
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted	
1 Direct	\$2,924,397	(\$737,295)	\$2,187,102	\$283,263	\$2,470,365	
2 KeySpan Corporate Services	\$878,702	(\$113,482)	\$765,220	\$117,142	\$882,362	
3 KeySpan Utility Services	\$22,292	\$0	\$22,292	\$2,547	\$24,839	
4 National Grid USA Services	\$1,082,376	\$0	\$1,082,376	(\$519,185)	\$563,191	
5 Other	\$389,483	(\$7,435)	\$382,048	\$0	\$382,048	
6 Total	\$5,297,250	(\$858,213)	\$4,439,037	(\$116,233)	\$4,322,804	
9	(f)	(g)	(h)	(i)	(j)	
10 Normalizing Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other	
11 Remove Costs for Westery Event		(\$113,482)			(\$7,435)	
12 Remove Deferral Amortization Collected in DAC	(\$737,295)					
13 Total	(\$737,295)	(\$113,482)	\$0	\$0	(\$7,435)	
14						
15						
16						(k)+(l)+(m)+(n)+(o)
17	(k)	(l)	(m)	(n)	(o)	(p)
	FAS106 Costs					
18	Company Direct	KeySpan Service Company	KeySpan Utility Company	National Grid USA Service Company	Other	Total
19 Total Company Test Year OPEB Costs to O&M	\$2,187,102	\$765,220	\$22,292	\$1,082,376	\$382,048	\$4,439,037
20						
21 Rate Year OPEB Total Cost	\$4,557,027	\$41,827,049	\$3,821,419	\$15,125,146		
22 Percentage Charged to Company- Total	100.00%	2.29%	0.65%	4.99%		
23 O & M Percentage Charged to Company Labor	54.21%	92.12%	100.00%	74.62%		
24 Total Company Rate Year FAS 106 Costs to O&M	\$2,470,365	\$882,362	\$24,839	\$563,191	\$382,048	\$4,322,804
25 Adjustment for OPEB Expense	\$283,263	\$117,142	\$2,547	(\$519,185)	\$0	(\$116,233)

	(q)	(r)
	FY 2013	FY 2014
Company Direct		
FAS 106 Cost per Hewitt	\$2,984,329	\$2,723,891
Fair Value Amortization	\$1,789,730	\$1,789,730
Total	\$4,774,059	\$4,513,621
	12 Mos End Jan 2014	
Company Direct Total OPEB Cost	\$4,557,027	
	FY 2013	FY 2014
KeySpan Corporate Services		
FAS 106 Cost per Hewitt	\$42,468,583	\$41,698,742
Fair Value Amortization	\$0	\$0
Total	\$42,468,583	\$41,698,742
	12 Mos End Jan 2014	
KeySpan Corporate Services Total OPEB Cost	\$41,827,049	
	FY 2013	FY 2014
KeySpan Utility Services		
FAS 106 Cost per Hewitt	\$3,923,722	\$3,800,958
Fair Value Amortization	\$0	\$0
Total	\$3,923,722	\$3,800,958
	12 Mos End Jan 2014	
KeySpan Utility Services Total OPEB Cost	\$3,821,419	
	FY 2013	FY 2014
National Grid Service Company		
FAS 106 Cost per Hewitt	\$19,108,749	\$16,407,890
Fair Value Amortization	\$359,379	(\$2,151,340)
Total	\$19,468,128	\$14,256,550
	12 Mos End Jan 2014	
National Grid Service Company Total OPEB Cost	\$15,125,146	

Line Notes

- | | | | |
|-------------|-------------------------------|----|--|
| 1-5 (a) | From Company books | 25 | Line 24 - Line 19 |
| 1-5 (b) | Line 13 | 30 | Per Workpaper MDL-26 Page 48 and Page 64 |
| 1-5 (d) | Line 25 | 31 | Per Workpaper MDL-26 Page 8 |
| 6 | Sum of Line 1 thru Line 5 | 32 | Line 30 + Line 31 |
| 11(f)-12(j) | From Page 8 of 65, Line 17 | 36 | Line 32(q) x 2/12 + Line 32(r) x 10/12 |
| 13 | Line 11 + Line 12 | 41 | Per Workpaper MDL-26 Page 212 |
| 19 | Line 1 thru Line 5 Column (c) | 43 | Line 41 + Line 42 |
| 21(k) | Line 36 | 47 | Line 43(q) x 2/12 + Line 43(r) x 10/12 |
| 21(l) | Line 47 | 52 | Per Workpaper MDL-26 Page 212 |
| 21(m) | Line 58 | 54 | Line 52 + Line 53 |
| 21(n) | Line 69 | 58 | Line 54(q) x 2/12 + Line 54(r) x 10/12 |
| 22 | From Page 12 of 65, Line 61 | 63 | Per Workpaper MDL-26 Page 47, 63 and 110 |
| 23 | From Page 12 of 65, Line 68 | 64 | Per Workpaper MDL-26 Page 6 and 7 |
| 24 | Line 21 x Line 23 x Line 24 | 65 | Line 63 + Line 64 |
| | | 69 | Line 65(q) x 2/12 + Line 65(r) x 10/12 |

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011

Pensions							
	(a)	(b)	(a) + (b) (c) Adjusted Test Year Ended December 31, 2011	(d)	(c) + (d) (e) Rate Year Adjusted		
	Total Test Year Per Books	Normalizing Adjustments		Pro Forma Adjustments			
1	Direct	\$4,230,977	(\$2,163,142)	\$2,067,835	2,634,489	\$4,702,324	
2	KeySpan Corporate Services	\$1,176,391	(\$114,282)	\$1,062,109	154,767	\$1,216,876	
3	KeySpan Utility Services	\$26,842	\$0	\$26,842	5,289	\$32,131	
4	National Grid USA Services	\$1,476,317	\$0	\$1,476,317	26,467	\$1,502,784	
5	Other	\$230,574	(\$4,837)	\$225,737	\$0	\$225,737	
6	Total	\$7,141,101	(\$2,282,261)	\$4,858,840	2,821,012	\$7,679,852	
10	Normalizing Adjustments	(f) Company Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA	(j) Other	
11	Remove Costs for Westley Event		(\$114,282)			(\$4,837)	
12	Remove Deferral Amortization Collected in DAC	(\$2,163,142)					
13	Total	(\$2,163,142)	(\$114,282)	\$0	\$0	(\$4,837)	
17		(k) Company Direct	(l) KeySpan Service Company	(m) FAS87 Costs KeySpan Utility Company	(n) National Grid USA Service Company	(o) Other	(k)+(l)+(m)+(n)+(o) (p) Total
18	Total Company Test Year Pension Costs to O&M	\$2,067,835	\$1,062,109	\$26,842	\$1,476,317	\$225,737	4,858,840
20	Rate Year Pension Total Cost	\$8,690,876	\$59,829,508	\$4,995,699	\$41,900,756		
21	Percentage Charged to Company - Total	100.00%	2.29%	0.65%	4.99%		
22	O & M Percentage Charged to Company Labor	54.21%	92.12%	100.00%	74.62%		
23	Total Actuarial Company Rate Year FAS 87 Costs to O&M	\$4,711,324	\$1,262,132	\$32,472	\$1,560,191	\$225,737	\$7,791,856
24	401K Pension Replacement Credit	(\$9,000)	(\$45,256)	(\$341)	(\$57,407)		(\$112,004)
25	Total Adjusted Pension	\$4,702,324	\$1,216,876	\$32,131	\$1,502,784	\$225,737	\$7,679,852
27	Adjustment for Pension Expense	\$2,634,489	\$154,767	\$5,289	\$26,467	\$0	\$2,821,012

	(q) FY 2013	(r) FY 2014
Company Direct		
FAS 87 Cost per Hewitt	\$5,140,490	\$4,522,641
Fair Value Amortization	\$4,065,260	\$4,065,260
Total	\$9,205,750	\$8,587,901
		12 Mos End Jan 2014
Company Direct Total Pension Cost		\$8,690,876

	FY 2013	FY 2014
KeySpan Corporate Services		
FAS 87 Cost per Hewitt	\$64,133,967	\$58,968,616
Fair Value Amortization	\$0	\$0
Total	\$64,133,967	\$58,968,616
		12 Mos End Jan 2014
KeySpan Corporate Services Total Pension Cost		\$59,829,508

	FY 2013	FY 2014
Keyspan Utility Company		
FAS 87 Cost per Hewitt	\$5,457,100	\$4,903,419
Fair Value Amortization	\$0	\$0
Total	\$5,457,100	\$4,903,419
		12 Mos End Jan 2013
Keyspan Utility Serv Co. Total Pension Cost		\$4,995,699

	FY 2013	FY 2014
National Grid Service Company		
FAS 87 Cost per Hewitt	\$55,873,930	\$48,330,574
Fair Value Amortization	(\$9,337,991)	(\$7,356,855)
Total	\$46,535,939	\$40,973,719
		12 Mos End Jan 2014
National Grid Service Company Total Pension Cost		\$41,900,756

Line Notes

1-5 (a)	From Company books	21	From Page 12 of 65, Line 61	44	Per Workpaper MDL-26 Page 143
1-5 (b)	Line 13	22	From Page 12 of 65, Line 68	46	Line 44 + Line 45
1-5 (d)	Line 27	23	Line 21 x Line 23 x Line 24	50	Line 46(q) x 2/12 + Line 46(r) x 10/12
6	Sum of Line 1 thru Line 5	24	From Page 25 of 65, Line 38	55	Per Workpaper MDL-26 Page 143
11(f)-12(j)	From Page 8 of 65, Line 18	25	Line 23 + Line 24	57	Line 55 + Line 56
13	Line 11 + Line 12	27	Line 25 - Line 18	58	Line 57(q) x 2/12 + Line 57(r) x 10/12
18	Line 1 thru Line 5 Column (c)	33	Per Workpaper MDL-26 Page 32	66	Per Workpaper MDL-26 Page 31
20(k)	Line 39	34	Per Workpaper MDL-26 Page 8	67	Per Workpaper MDL-26 Page 6 and 7
20(l)	Line 50	35	Line 33 + Line 34	68	Line 66 + Line 67
20(m)	Line 61	39	Line 35(q) x 2/12 + Line 35(r) x 10/12	72	Line 68(q) x 2/12 + Line 68(r) x 10/12
20(n)	Line 72				

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Postage

	(a)	(b)	(a) + (b) (c)	(d)	(c) +(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	\$1,226,258	\$0	\$1,226,258	\$56,035	\$1,282,293
2 KeySpan Corporate Services	\$19,110	(\$32)	\$19,078		\$19,078
3 KeySpan Utility Services	\$0	\$0	\$0		\$0
4 National Grid USA Services	\$7,790	\$0	\$7,790		\$7,790
5 Other	\$100,000	\$0	\$100,000		\$100,000
6 Total	\$1,353,157	(\$32)	\$1,353,126	\$56,035	\$1,409,161

	(f)	(g)	(h)	(i)	(j)
	Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
10 Normalizing Adjustments					
11 Remove Project expense		(\$32)			
12 Total	\$0	(\$32)	\$0	\$0	\$0

16 Postage Expense for the twelve months ended 12/31/11	\$1,353,126
18 Average Monthly Expense	\$112,760
20 Postage Expense prior to April 17 increase	\$402,217
21 Test Year Postage percentage increase (after April 17, 2011 Increase)	1.7%
24 Increased Postage Expense prior to April 17	\$409,054
26 Postage from April 18, 2011 through Dec 31, 2011	\$950,943
28 Normalized Postage Expense	\$1,359,997
30 Postage Increase Effective January 22, 2012	2.10%
32 GDP CPI estimated for 12/31/2012	228
33 GDP CPI estimated for 12/31/2013	233
34 Postage Rate Increase effective January 23, 2013	2.02%
36 Portion of Rate Year in effect	100%
37 Rate year postage increase	4.12%
39 Rate Year Postage Expense	\$1,416,032
41 Rate Year Adjustment for Postage Expense	\$56,035

Line Notes

- 1(a)-5(a) From Company books
- 5(a) Postage paid by Narragansett Electric Co. on behalf of Narragansett gas operations.
- 6 Sum of Line 1 thru Line 5
- 11(g) From Page 8 of 65 Line 15
- 12 From Line 11
- 16 From Line 6 Column (c)
- 18 Line 16 / 12
- 20 Line 18 x 3.567 months
- 22 Per USPS Notice, Workpaper MDL-11
- 24 Line 20 x (1 + Line 22)
- 26 Line 18 x 8.433 months
- 28 Line 24 + Line 26
- 30 Per USPS Notice, Workpaper MDL-11
- 34 Line 33 / Line 32-1
- 37 (Line 30 + Line 37) x Line 36
- 39 Line 28 x (1+Line 37)
- 41 Line 39 - Line 28

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Energy Efficiency Expense

	(a)	(b)	(a) + (b) (c)	(d)	(c) +(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
1	Company Direct	\$3,275,029	(\$3,275,029)	\$0	\$0
2	KeySpan Corporate Services	\$163,151	(\$163,151)	\$0	\$0
3	KeySpan Utility Services	\$0	\$0	\$0	\$0
4	National Grid USA Services	\$806,806	(\$806,806)	\$0	\$0
5	Other	\$281,482	(\$281,482)	\$0	\$0
6	Total	<u>\$4,526,468</u>	<u>(\$4,526,468)</u>	<u>\$0</u>	<u>\$0</u>
7					
8					
9					
10					
11	Normalizing Adjustments	(f) Company Direct	(g) KeySpan Corporate	(h) KeySpan Utility	(i) National Grid USA
12	Remove Energy Efficiency Expense	<u>(\$3,275,029)</u>	<u>(\$163,151)</u>	<u>\$0</u>	<u>(\$806,806)</u>
13	Total	<u>(\$3,275,029)</u>	<u>(\$163,151)</u>	<u>\$0</u>	<u>(\$281,482)</u>

Line Notes

- 1(a)-5(a) From Company books
- 1(b)-5(b) Line 13
- 6 Sum of Line 1 thru Line 5
- 12 From Page 8 of 65, Line 21(f)
- 14 Line 12

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
GCR-Related Operation & Maintenance**

	(a)	(b)	(a) x (b) (c)	(a) + (c) (d)
	Test Year	Increase %	Pro Forma Adjustments	Rate Year
1 Labor - Union	\$663,140	4.31%	\$28,549	\$691,689
2 Labor - Management	\$10,719	5.12%	\$549	\$11,268
3				
4				
5 Contractor Services	\$586,165	3.81%	\$22,333	\$608,498
6 Lease - Non Real Estate	\$5,188	3.81%	\$198	\$5,386
7 Materials & Supplies	\$51,801	3.81%	\$1,974	\$53,775
8 Other	\$7,870	3.81%	\$300	\$8,170
9 Other Employee Benefits and Expenses	\$5,443	3.81%	\$207	\$5,650
10 Transportation	\$17,294	3.81%	\$659	\$17,953
11				
12 Division Adjustment 9-2 for Spectra Pipeline Charge			(\$453,000)	(\$453,000)
13				
14 Total O & M Expense	<u>\$1,347,620</u>		<u>(\$398,232)</u>	<u>\$949,388</u>
15				
16 GCR without Labor	<u>\$673,761</u>		<u>(\$427,330)</u>	<u>\$246,431</u>

Line Notes

- 1-10(a) From Company books
- 1(b) From Page 15 of 65, Line 3(a)
- 2(b) From Page 16 of 65, Line 6(a)
- 5-10(b) From Page 48 of 65, Line 39(c)
- 12 Sum of Line 1 thru Line 10
- 14 Sum of Line 5 thru Line 13

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
LIAP and Weatherization Expense

	(a)	(b)	(a)+(b) (c)	(d)	(c)+(d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
LIAP					
1 Company Direct	\$1,663,666	(\$78,666)	\$1,585,000		\$1,585,000
2 KeySpan Corporate Services	\$0	\$0	\$0		\$0
3 KeySpan Utility Services	\$0	\$0	\$0		\$0
4 National Grid USA Services	\$0	\$0	\$0		\$0
5 Other	\$0	\$0	\$0		\$0
6 Total	<u>\$1,663,666</u>	<u>(\$78,666)</u>	<u>\$1,585,000</u>	<u>\$0</u>	<u>\$1,585,000</u>

	(f)	(g)	(h)	(i)	(j)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
10 Normalizing Adjustments- LIAP					
11 Adjust to Rate Allowance	(\$78,666)				
12 Total - LIAP	<u>(\$78,666)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

	(k)	(l)	(a)+(b) (m)	(n)	(c)+(d) (o)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Pro Forma Adjustment	Rate Year Adjusted
Weatherization					
20 Company Direct	\$267,629	(\$67,629)	\$200,000		\$200,000
21 KeySpan Corporate Services	\$0	\$0	\$0		\$0
22 KeySpan Utility Services	\$0	\$0	\$0		\$0
23 National Grid USA Services	\$0	\$0	\$0		\$0
24 Other	\$0	\$0	\$0		\$0
25 Total	<u>\$267,629</u>	<u>(\$67,629)</u>	<u>\$200,000</u>	<u>\$0</u>	<u>\$200,000</u>

	(p)	(q)	(r)	(s)	(t)
	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
29 Normalizing Adjustments- Weatherization					
30 Adjust to Rate Allowance	(\$67,629)				
31 Total Weatherization	<u>(\$67,629)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Line Notes

- 1-5(a) From Company books
- 1-5 (b) Line 12
- 6 Sum of Line 1 thru Line 5
- 11 From Page 8 of 65, Line 19
- 12 Line 11
- 20-24(a) From Company books
- 20-24(b) Line 31
- 25 Sum of Line 20 thru Line 24
- 30 From Page 8 of 65, Line 20
- 31 Line 30

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Rate Case Expense**

(a)

		<u>Initial Total</u>
1	Total Rate Case Expenses	\$ 826,375
2		
3	Number of years to be Amortized	<u>3</u>
4		
5	Annualized Rate Case Amortization Expense Adjustment	<u>\$ 275,458</u>
6		
7	Third Party Expenses:	
8	Keegan and Werlin, LLP	
9	Legal Fees	\$ 250,000
10	Expenses	<u>32,500</u>
11	Total	282,500
12		
13	Hinkley Allen	
14	Legal Fees	100,000
15	Expenses	<u>-</u>
16	Total	100,000
17		
18	Management Applications Consulting	166,000
19		
20	Concentric Energy Advisors	62,875
21		
22	Consultant Cost of RI Division	175,000
23		
24	AON Hewitt Associates	-
25		
26	Towers Watson	25,000
27		
28	WarRoom Document Solutions	10,000
29		
30	A-1 Court Reports, Inc.	<u>5,000</u>
31		
32	Total Rate Case Expense	<u>\$ 826,375</u>

Line Notes

- 1 Line 32
- 5 Line 1 / 3

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Consumer Advocate

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Proforma Adjustment	Rate Year Adjusted
1 Company Direct	\$0	\$0	\$0	\$0	\$0
2 KeySpan Corporate Services	\$0	\$0	\$0	\$0	\$0
3 KeySpan Utility Services	\$0	\$0	\$0	\$0	\$0
4 National Grid USA Services	\$0	\$0	\$0	\$0	\$0
5 Other	\$0	\$0	\$0	\$0	\$0
6 Total	\$0	\$0	\$0	\$0	\$0

7
8 Adjustment Deleted
9
10
11
12
13

	(f)	(g)	(h)	(i)	(j)
Normalizing Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
15					
16					
17					
18 Total	-	-	-	-	-

Description	Percentages (a)	Percentages/ Amount (b)	Amount (c)	Amount (d)
27 Additional Consumer Advocate Personnel	2 Positions at average Band E - Company Direct		\$185,487	
29 Allocation to Gas business	50%		\$92,744	
31 Pension and Benefits, Rate Year Expense amount to Company Direct O&M:				
32 Payroll Tax	9.11%	\$1,453,826		
33 Medical and Dental insurance	16.80%	\$2,680,901		
34 Pension	29.47%	\$4,702,324		
35 OPEB	15.48%	\$2,470,365		
36 Other Employee Related Benefits & Expenses	5.83%	\$930,959		
37 401K Match	0.96%	\$153,836		
38 401K Pension Replacement Program	0.06%	\$9,000		
39 Total Benefits	77.71%	\$12,392,211		
41 Company Direct Employee Salaries and Wages to O&M		\$15,958,781		
43 Payroll Taxes, Pension and Benefits Cost as % of Base Salaries & Wages		77.65%		
45 Pension and Benefits for Consumer Advocate Personnel		68.54%	\$63,571	
47 Rate Year O&M costs of Consumer Advocate Personnel				\$156,314
50 Rate Year Payroll Taxes (to Page 34 of 65)		9.11%		\$8,449
53 Total Rate Year Costs of Consumer Advocate Personnel				\$164,763

Line Notes

1(d)	Line 47	37(b)	From Page 24 of 65, Line 1(e)
6	Sum of Line 1 thru Line 5	38(b)	From Page 25 of 65, Line 1(e)
27	From Workpaper MDL-14	39	Sum of Lines 32 thru 38
29(c)	Line 27(c) x Line 29(a)	41	From Page 10 of 65, Line 1(e)
32(a)-38(a)	Line 32(b) thru 38(b) each divided by Line 39(b)	43	Line 39 / Line 41
32(b)	From Page 34 of 65, Lines 1(e), 30(t), 43(w) and 60(gg)	45(a)	Line 43 - Line 50(b)
33(b)	From Page 23 of 65, Line 1(e)	45(c)	Line 45(b) x Line 29(c)
34(b)	From Page 36 of 65, Line 1(e)	47	Line 45(c) + Line 29(c)
35(b)	From Page 35 of 65, Line 1(e)	50(c)	Line 50(b) + Line 47(c)
36(b)	From Company books times inflation rate of 3.81% at Page 48 of 65	53	Line 47 + Line 50

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Additional US Foundations Support Staff

	(a)	(b)	(c)	(d)	(e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 31, 2011	Proforma Adjustment	Rate Year Adjusted
1 Company Direct	\$0	\$0	\$0	\$0	\$0
2 KeySpan Corporate Services	\$0	\$0	\$0	\$0	\$0
3 KeySpan Utility Services	\$0	\$0	\$0	\$0	\$0
4 National Grid USA Services	\$0	\$0	\$0	\$0	\$0
5 Other	\$0	\$0	\$0	\$0	\$0
6 Division Settlement 50%				\$46,063	\$46,063
7 Total	\$0	\$0	\$0	\$46,063	\$46,063

	(k)	(l)	(m)
Description	No. of Employees	Rate Year Average Salary	Amount
13 Additional US Foundations Personnel:			
14 Band D	2	\$107,379	\$214,758
15 Band E	24	\$82,317	\$1,975,601
16 Total	26		\$2,190,359
18 Percentage charged to NGUSA Service Co O&M			100%
19 Percentage allocated to Company O&M			2.30%
21 Total Additional USFP Support Staff Payroll Charged to Company O&M			\$50,378

	(n)	(o)	(p)	(q)
Description	Percentages	Percentages/ Amount	Amount	Amount
27 Pension and Benefits, Rate Year Expense amounts to NGUSA Service Company O&M:				
28 Variable Pay	17.32%	\$1,573,579		
29 Payroll Tax	4.84%	\$439,176		
30 Medical and Dental insurance	12.97%	\$1,177,726		
31 Pension	16.55%	\$1,502,784		
32 OPEB	6.20%	\$563,191		
33 Other Employee Related Benefits & Expenses	26.09%	\$2,369,301		
34 401K Match	3.11%	\$282,781		
35 401K Pension Replacement Program	0.63%	\$57,407		
36 Total Benefits	87.70%	\$7,965,945		
38 NGUSA Service Co Employee Salaries and Wages to O&M		\$8,950,224		
40 Payroll Taxes, Pension and Benefits Cost as % of Base Salaries & Wages		87.70%		
42 Pension and Benefits for Consumer Advocate Personnel		82.87%	\$41,748	
44 Rate Year O&M costs of Consumer Advocate Personnel				\$ 92,126
45 Deleted per Division Adjustment				
47 Rate Year Payroll Taxes (to Page 33)		4.84%		\$ 2,436
50 Total Rate Year costs of additional US Foundations support staff				\$ 94,562

Line Notes

- 4 Line 44
- 13(k) -15(k) Per testimony of Company Witness Maureen P. Heaphy.
- 13(l)-14(l) From Workpaper MDL-14
- 13(m) Line 14(k) x Line 14(l)
- 14(m) Line 15(k) x Line 15(l)
- 15 Line 14 + Line 15
- 17 Assumes 100% of labor will be charged to O&M as these positions relate to user training and support.
- 18 Company allocation based on the Rate Year three-point general allocator, per Schedule MDL-2 Page X Line X
- 20 Line 16 x Line 18 x Line 19
- 27(n)-34(n) Lines 28(o) thru Line 35(o) each divided by Line 38(o)
- 27(o) From Page 11 of 65 Line 21(d)
- 28(o) From Page 34 of 65 Line 4(c) + Line 34(t) + Line 47(w) + Line 65(gg)
- 29(o) From Page 23 of 65 Line 4(e)
- 30(o) From Page 36 of 65 Line 4(e)
- 31(o) From Page 35 of 65 Line 4(e)
- 32(o) From Company books times inflation rate of 3.81% at Page 48 of 65
- 33(o) From Page 24 of 65 Line 4(e)
- 34(o) From Page 25 of 65 Line 21(d)
- 35 Sum of Line 28(o) thru Line 35(o)
- 37 From Page 10 of 65, Line 4(e)
- 39 Line 36(o) / Line 38(o)
- 41(o) Line 40(o) - Line 29(n)
- 41(p) Line 21(m) x Line 42(o)
- 43 Line 21(m) + Line 42(m)
- 46(o) Line 29(n)
- 46(q) Line 21(m) x Line 47(o)
- 49 Line 44 + Line 47(q)

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Advertising**

	(a)	(b)	(a) + (b) (c) Adjusted Test Year Ended December 31, 2011	(d) Pro Forma Adjustment	(c) + (d) (e) Rate Year Adjusted
	Total Test Year Per Books	Normalizing Adjustments			
1 Company Direct	\$0	\$0	\$0	\$0	\$0
2 KeySpan Corporate Services	\$372,087	(\$298,910)	\$73,177	\$0	\$73,177
3 KeySpan Utility Services	\$0	\$0	\$0	\$0	\$0
4 National Grid USA Services	\$1,900	(\$1,900)	\$0	\$0	\$0
5 Other	\$0	\$0	\$0	\$0	\$0
6 Total	\$373,987	(\$300,810)	\$73,177	\$0	\$73,177

	(f)	(g)	(h)	(i)	(j)
Normalizing Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
13 Remove Promotional/Branding Advertising		(\$298,910)		(\$1,900)	
14 Total	\$0	(\$298,910)	\$0	(\$1,900)	\$0

	(f)	(g)	(h)	(i)	(j)
Proforma Adjustments	Company Direct	KeySpan Corporate	KeySpan Utility	National Grid USA	Other
18 Deleted per Division Adjustment					
19 Incremental Educational/Instructional Advertising					
20 Total	\$0	\$0	\$0	\$0	\$0

Line Notes

- 1-5(a) From Company books
- 1-5(b) Line 14
- 1-5(d) Line 20
- 6 Sum of Line 1 thru Line 5
- 13 From Page 8 of 65 Line 23
- 13 Workpaper MDL-13 GAS Page 1, Line 11(b)
- 14 Line 13
- 19 Workpaper MDL-13 GAS Page 1, Line 11(d)
- 20 Line 19

The Narragansett Electric Company d/b/a National Grid
Adjustments To Operating Expenses
Test Year Ended December 31, 2011
Five Year Average of Uncollectibles Summary

	(a) Distribution Revenue	(b) Net Write-Offs	(c) % of Write-Offs					
			Distribution Revenue					
1 Year:								
2								
3 CY 2011	\$378,977,027	\$11,623,740	3.07%					
4 CY 2010	\$401,863,767	\$15,515,379	3.86%					
5 CY 2009	\$447,952,657	\$19,431,198	4.34%					
6 CY 2008	\$455,289,104	\$12,526,203	2.75%					
7 CY 2007	\$470,604,106	\$9,331,763	1.98%					
8								
9 Total	\$2,154,686,661	\$68,428,283	3.18%					
10								
11								
12								
13 Five Year Average Net Write-Off Rate			3.18%	Settlement Adjustment				
14								
15						(i) = Sum of		
16			(d)	(e)	(f)	(g)	(h)	
17			Distribution Base Rate	GRT	Gas Revenue	DAC Revenue	EE Revenue	
18			Revenue				Total	
19			\$138,466,302	\$11,149,139	\$217,689,572	(\$1,530,767)	\$12,190,898	
20							\$378,977,027	
21			2.46%	0.00%	2.46%	2.46%	2.46%	
22			Bad Debt Expense at Current Average Write off Rate Applied to Test Year Revenue	\$3,390,709	\$0	\$5,355,163	\$2,809	\$299,896
23			Less: Test Year Bad Debt Expense	\$4,779,294	\$0	\$5,449,212	\$109,541	\$195,146
24								
25			Test Year Normalization Adjustment for Bad Debt Expense	(\$1,388,585)	\$0	(\$94,049)	(\$106,732)	\$104,750
26								
27			Total Rate Year Revenue	\$149,526,262	\$0	\$200,956,268	(\$0)	\$0
28								
29			Five Year Average Net Write-Off Rate	3.18%	0.00%	3.18%	3.18%	3.18%
30								
31			Rate Year Allowable Bad Debt Expenses	\$4,754,935	\$0	\$6,390,409	(\$0)	\$0
32			Bad Debt Expense at Current Average Write off Rate Applied to Test Year Revenue	\$3,390,709	\$0	\$5,355,163	\$2,809	\$299,896
33								
34			Total Pro Forma Bad Debt Expense Adjustment	\$1,364,226	\$0	\$1,035,246	(\$2,809)	(\$299,896)
35								
36			Total Adjustment	(\$24,359)	\$0	\$941,197	(\$109,541)	(\$195,146)

Line Notes

- 3-7 Per Company's response to Commission 2-25-ELEC/GAS.
- 9 Cols (a) & (b) = Sum of Lines 3 through 5. Col (c) = Col (b) / Col (a)
- 13 Line 9(c)
- 18(d) From Page 4 of 65, Sum of Lines 4, 7, 8, 13, 15, 16, 31, 35, and 43 Column (a)
- 18(e) From Page 4 of 65, Line 18(a)
- 18(f) From Page 4 of 65, Sum of Lines 1, 21, 22, 23, and 24 Column(a)
- 18(g) From Page 4 of 65, Sum of Lines 2, 28, 29, and 33 Column (a)
- 18(h) From Page 4 of 65, Sum of Lines 3, 25, and 26 Column (a)
- 20 From Commission Order at Docket No. 3943, Appendix A Page 1 of 2, Line 11

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Productivity & Efficiency Savings**

	(a)	(b)	(c)	(d)	(e)	(f)
	Company Direct	KeySpan Corporate Services	KeySpan Utility Services	National Grid USA Services	Other	Total Rate Year
1 Non-labor productivity & efficiency savings	(\$50,000)	(\$15,761)		(\$1,068,241)		(\$1,134,002)
2						\$0
3						\$0
4						\$0
5 Total	<u>(\$50,000)</u>	<u>(\$15,761)</u>	<u>\$0</u>	<u>(\$1,068,241)</u>	<u>\$0</u>	<u>(\$1,134,002)</u>

Line Notes

1 From Workpaper MDL-15, Pages 1 & 11

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Reallocation of Service Company Charges

	(a)	(b)	(a) + (b) (c)	(d)	(c) + (d) (e)
	Total Test Year Per Books	Normalizing Adjustments	Adjusted Test Year Ended December 2011	Pro Forma Adjustments	Rate Year Adjusted
1 Company Direct	\$ -	\$ -	\$ -	\$ -	\$ -
2 KeySpan Corporate Services	-	-	-	-	-
3 KeySpan Utility Services	-	-	-	-	-
4 National Grid USA Services	-	-	-	(4,452,323)	(4,452,323)
5 Other	-	-	-	-	-
6 Total	\$ -	\$ -	\$ -	\$ (4,452,323)	\$ (4,452,323)
7					
8					
9		(f)	(g)	(h)	(i)
10		Test Year	Test Year	\$ Change	% Change
11		Test Year	Reallocated		
12 Total Direct & Allocated charges originating from Service Companies		\$ 47,374,888	\$ 42,009,885	\$ (5,365,003)	-11.3%
13					
14					
15		Test Year	Test Year	\$ Change	% Change
16		Test Year	Reallocated		
16 Total Allocated charges originating from Service Companies		\$ 25,816,393	\$ 20,451,390	\$ (5,365,003)	-20.8%
17					
18					
19					(j)
20 Test Year reallocation adjustment					\$ (5,365,003)
21					
22 Less: Rate Year Labor & related benefits adjustments		(k)	(l)	(k) x (l) (m)	
23 originating from Service Companies		Pro Forma	% change	Reallocation	
24		Adjustments		Adjustment	
25 Labor		(\$3,088,464)	-11.3%	\$ 349,755	
26 Healthcare		\$56,186	-11.3%	\$ (6,363)	
27 401K Match		(\$83,331)	-11.3%	\$ 9,437	
28 401K Pension Replacement Plan		101,181	-11.3%	\$ (11,458)	
29 Payroll Taxes		(\$176,598)	-11.3%	\$ 19,999	
30 OPEB		(\$399,496)	-11.3%	\$ 45,241	
31 Pensions		\$186,523	-11.3%	\$ (21,123)	
32 Total					\$ 385,488
33					
34 Less: Test Year adjustments originating from		(n)	(o)	(p)	
35 Service Companies		Normalizing	% change	Reallocation	
36		Adjustments		Adjustment	
37 Costs to Achieve Productivity & Efficiency savings		(\$3,323,163)	-20.8%	\$ 690,599.18	
38 Total					\$ 690,599
39					
40 Reallocation adjustment net of normalization & pro forma adjustments					\$ (4,288,916)
41					
42 Inflation		3.81%			\$ (163,408)
43					
44 Total Rate Year Reallocation Adjustment					\$ (4,452,323)

Line Notes

4 Line 44	29 From Page 34 of 65 Lines 2(d) through 4(d) plus Lines 44(x) through 46(x)
12 From Schedule MDL-2, Page X of X, Line X	30 From Page 35 of 65 Lines 2(d) through 4(d)
16 From Schedule MDL-2, Page X of X, Line X	31 From Page 36 of 65 Lines 2(d) through 4(d)
20 Line 12(h)	32 Sum of Lines 25(m) through 31(m)
25 From Page 10 of 65 Lines 2(d) through 4(d)	37 Per Company books
26 From Page 23 of 65 Lines 2(d) through 4(d)	38 Line 37(p)
27 From Page 24 of 65 Lines 2(d) through 4(d)	40 Sum of Lines 20(j) through 38(j)
28 From Page 25 of 65 Lines 2(d) through 4(d)	42 Line 40(j) times 3.81% inflation rate from Page 48 of 65
	44 Line 40 + Line 42

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Inflation Adjustment

	(a) Total Test Year Per Books	(b) Normalizing Adjustments	(c) Adjusted Test Year Ended December 31, 2011
1 Total Test Year Operations and Maintenance Expense	\$366,396,489	(\$74,326,915)	\$292,069,574
2			
3 Less Gas Cost Expense	<u>\$257,195,602</u>	<u>(\$57,664,271)</u>	<u>\$199,531,331</u>
4			
5 Total Test Year Operations and Maintenance Expense to be Adjusted	\$109,200,887	(\$16,662,644)	\$92,538,244
6			
7 <u>Test Year Amounts that are Specifically Adjusted:</u>			
8			
9 Labor - Page 10 of 65	\$37,509,062	(\$1,505,434)	\$36,003,627
10 Healthcare - Page 23 of 65	\$4,834,351	(\$81,151)	\$4,753,200
11 401K - Page 24 of 65	\$728,561	(\$6,982)	\$721,579
12 401K Pension Replacement Plan - Page 25 of 65	\$1,823	\$0	\$1,823
13 Donations - Page 26 of 65	\$0	\$235,086	\$235,086
14 Computer Software Purchases - Page 27 of 65	\$1,218,721	(\$56,966)	\$1,161,756
15 Regulatory Assessments - Page 28 of 65	\$1,468,122	\$0	\$1,468,122
16 Facilities - Page 29 of 65	\$2,736,138	(\$104,590)	\$2,631,548
17 Claims - Page 31 of 65	\$395,202	\$0	\$395,202
18 Insurance Premiums - Page 32 of 65	\$620,945	\$21,171	\$642,116
19 Payroll Taxes - Page 34 of 65	\$550,730	(\$42,963)	\$507,767
20 OPEB's - Page 35 of 65	\$5,297,250	(\$858,213)	\$4,439,037
21 Pensions - Page 36 of 65	\$7,141,101	(\$2,282,261)	\$4,858,840
22 Postage - Page 37 of 65	\$1,353,157	(\$32)	\$1,353,126
23 Energy Efficiency - Page 38 of 65	\$4,526,468	(\$4,526,468)	\$0
24 GCR - Page 39 of 65	\$673,761	\$0	\$673,761
25 LIAP Expense - Page 40 of 65	\$1,663,666	(\$78,666)	\$1,585,000
26 Weatherization Expense - Page 40 of 65	\$267,629	(\$67,629)	\$200,000
27 Rate Case Expense - Page 41 of 65	\$0	\$0	\$0
28 Customer Advocate - Page 42 of 65	\$0	\$0	\$0
29 Advertising - Page 44 of 65	\$373,987	(\$300,810)	\$73,177
30 Uncollectibles - Commodity - Page 45 of 65	\$0	\$5,355,163	\$5,355,163
31 Uncollectibles - DAC - Page 45 of 65	\$0	\$2,809	\$2,809
32 Uncollectibles - Energy Efficiency - Page 45 of 65	\$0	\$299,896	\$299,896
31 Uncollectibles - Distribution - Page 45 of 65	\$10,533,193	(\$7,142,484)	\$3,390,709
32 Productivity & Efficiency - Page 46 of 65	\$0	\$0	\$0
33 Company Share of Net Merger Synergies	<u>\$2,450,000</u>	<u>\$0</u>	<u>\$2,450,000</u>
34			
35 O&M Expenses Specifically Adjusted	\$84,343,867	(\$11,140,523)	\$73,203,345
36			
37 Residual O&M Expenses Subject to Inflation	\$24,857,020	(\$5,522,121)	\$19,334,899
38			
39 Inflation Factor %			<u>3.81%</u>
40			
41 Total Inflation Adjustment			<u><u>\$736,660</u></u>
42			
43			
44 <u>Calculation of Inflation Rate:</u>			
45			
46 Index - Midpoint of Test Year June 2011	<u>GDPIP</u> 113.1	<u>CPI</u> 224.5	
47			
48 Index - Midpoint of Rate Year June 2013	<u>117.3</u>	<u>233.3</u>	
49			
50 Increase in Index From Midpoint Of The Test Year			
51 To The Midpoint of Rate Year			
52 Inflation Factor %	<u>3.72%</u>	<u>3.90%</u>	3.81%
53			
54 Source: Blue Chip Consensus	1.86%	1.95%	

Line Notes

1	From Page 7 of 65, Line 1 + Line 34	39 Line 52(c)
3	From Page 7 of 65, Line 1	41 Line 37 x Line 39
5	Line 1 - Line 3	46 NIPA: Chain-Type Price Index - GDP, (Index,
9-32	From Page 7 of 65, Line 3 thru Line 31	2005=100, SA) Q2 2009 from Blue Chip Consensus

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Interest on Customer Deposits
Test Year Ended December 31, 2011
Interest on Customer Deposits**

1	Customer Deposit Balance at December 31, 2011	\$4,586,538
2		
3	Interest Rate to be Applied in Rate Year	2.78%
4		<hr/>
5	Adjustment	\$127,506
		<hr/> <hr/>

Line Notes

- 1 From Company books
- 3 From Workpaper MDL-17
- 5 Line 1 x Line 3

The Narragansett Electric Company d/b/a National Grid
Test Year Ended December 31, 2011
Depreciation and Amortization Expense

Line No	Description	Source or Function	Amount
1	Total Company Rate Year Depreciation and Amortization Expense	Sum of Line 72 through Line 74	\$ 28,127,225
2	Total Company Test Year Depreciation and Amortization Expense	From Company books	22,015,861
3	Less: Reserve for write off of old work orders	From Company books	(190,627)
4	Adjusted Total Company Test Year Depreciation Expense	Line 2 + Line 3	21,825,234
5	Depreciation Expense Adjustment	Line 1 - Line 4	<u>\$ 6,301,991</u>
6			
7			
8	Test Year Depreciation Expense 12 Months Ended 12/31/11		Per Book
9	Total Utility Plant 12/31/11	From Page 59 of 65, Line 1(e)	\$ 680,565,745
10	Less: Non Depreciable Plant	Workpaper MDL-19 GAS Page 2, Line 73(b)	(1,749,407)
11	Less: Intangible Plant	Workpaper MDL-19 GAS Page 1, Line 3(c)	(28,649,542)
12	Depreciable Utility Plant 12/31/11		<u>\$ 650,166,796</u>
13			
14	Plus: Added Plant 12 Mos Ended 12/31/12	From Page 51 of 65, Line 12(c)	\$ 59,825,753
15	Less: CSS System included in Added Plant 12 Mos Ended 12/31/12	From Page 51 of 65, Line 9(a)	(1,140,000)
16	Less: Added Non Depreciable Plant 12 Mos Ended 12/31/12		-
17	Less: Retired Plant 12 Months Ended 12/31/12	1/ Line 14 x Retirement Rate	(4,594,618)
18	Depreciable Utility Plant 12/31/12	Sum of Line 12 through Line 17	<u>\$ 704,257,931</u>
19			
20	Average Depreciable Plant for Year ended 12/31/12	(Line 12 + Line 18) / 2	<u>\$ 677,212,364</u>
21			
22	Composite Book Rate %	As Approved in R.I.P.U.C. Docket No. 3943	3.38%
23			
24	Book Depreciation Reserve 12/31/11	From Page 59 of 65, Line 3(e)	\$ 314,350,902
25	Plus: Book Depreciation Expense	Line 20 x Line 22	22,889,778
26	Plus: Amortization of Intangible Plant	2/ From Company books	1,170,250
27	Plus: Amortization of CSS System	3/ CSS cost / 8 x 10.5 / 12	1,590,580
28	Less: Net Cost of Removal / (Salvage)	Workpaper MDL-19 GAS Page 3, Line 9(c)	(7,200,792)
29	Less: Retired Plant	Line 17	(4,594,618)
30	Book Depreciation Reserve 12/31/12	Sum of Line 24 through Line 29	<u>\$ 328,206,100</u>
31			
32	Depreciation Expense for January 31, 2013		
33	Total Utility Plant 12/31/12	Line 9 + Line 14 + Line 17	\$ 735,796,880
34	Less: Non Depreciable Plant	Line 10	(1,749,407)
35	Less: Intangible Plant	Line 11	(28,649,542)
36	Less: CSS System	Line 15	(1,140,000)
37	Depreciable Utility Plant 12/31/12	Sum of Line 33 through Line 36	<u>\$ 704,257,931</u>
38			
39	Plus: Plant Added in January 2013	From Page 51 of 65, Line 12(d)	\$ 6,050,896
40	Less: Plant Retired in January 2013	Line 39 x Retirement Rate	(464,709)
41	Depreciable Utility Plant 1/31/2013	Sum of Line 37 through Line 40	<u>\$ 709,844,118</u>
42			
43	Average Depreciable Plant for the Month Ended 1/31/13	(Line 37 + Line 41) / 2	<u>\$ 707,051,025</u>
44			
45	Composite Book Rate %	Line 22	3.38%
46			
47	Book Depreciation Reserve 12/31/12	Line 30	\$ 328,206,100
48	Plus: Book Depreciation Expense January 31, 2013	(Line 43 x Line 45) / 12	1,991,527
49	Plus: Amortization of Intangible Plant	2/ From Company's books	97,521
50	Plus: Amortization of CSS System	3/ CSS cost / 96 months	151,484
51	Less: Net Cost of Removal/(Salvage)	Workpaper MDL-19 GAS Page 3, Line 9(d)	(391,783)
52	Less: Retired Plant	Line 40	(464,709)
53	Book Depreciation Reserve 1/31/13	Sum of Line 47 through Line 52	<u>\$ 329,590,140</u>
54			
55	Rate Year Depreciation Expense 12 Months Ended 1/31/14		
56	Total Utility Plant 1/31/13	Line 33 + Line 39 + Line 40	\$ 741,383,067
57	Less: Non-Depreciable Plant		-
58	Less: Intangible Plant	Line 35	(28,649,542)
59	Less: CSS System	Line 36	(1,140,000)
60	Depreciable Utility Plant 1/31/13	Sum of Line 56 thru Line 59	<u>\$ 711,593,525</u>
61			
62	Plus: Added Plant Twelve Months Ended 1/31/14	From Page 51 of 65, Line 12(e)	\$ 69,689,954
63	Less: Added Non Depreciable Plant Twelve Months Ended 1/31/14		-
64	Less: Depreciable Retired Plant	Line 62 x Retirement Rate	(5,352,188)
65	Depreciable Utility Plant 1/31/14	Sum of Line 60 through Line 64	<u>\$ 775,931,290</u>
66			
67	Average Depreciable Plant for Rate Year Ended 1/31/14	(Line 60 + Line 65) / 2	<u>\$ 743,762,408</u>
68			
69	Composite Book Rate %	Line 22	3.38%
70			
71	Book Depreciation Reserve 1/31/13	Line 53	\$ 329,590,140
72	Plus: Book Depreciation Expense	Line 67 x Line 69	25,139,169
73	Plus: Amortization of Intangible Plant	2/ From Company books	1,170,250
74	Plus: Amortization of CSS System	3/ CSS Cost / 8 years	1,817,805
75	Less: Net Cost of Removal / (Salvage)	Workpaper MDL-19 GAS Page 3, Line 9(e)	(4,701,396)
76	Less: Retired Plant	Line 64	(5,352,188)
77	Book Depreciation Reserve 1/31/14	Sum of Line 71 through Line 76	<u>\$ 347,663,780</u>

1/ Assumes 7.68% based on 2011 retirements as a percent of capital spend - Workpaper MDL-19 GAS Page 4 Line 1(c)

2/ Month of December amortization - 97,521 * 12 months

3/ CSS cost = \$14,542,442

**The Narragansett Electric Company d/b/a National Grid
Adjustments to Rate Base
Analysis of Test Year Through Rate Year Capital Investment**

	(a)	(b)	(c)	(d)	(e)
	January -March 2012	April -December 2012	CY 2012	January 2013	Rate Year February 2013 - January 2014
<u>Distribution</u>					
1					
2	\$3,013,241		\$3,013,241		
3		42,888,143	\$42,888,143	4,765,349	9,530,699
4					47,653,493
5	1,631,949	10,015,899	11,647,848	1,112,878	12,177,485
6	\$ 1,631,949	\$ 10,015,899	\$ 57,549,233	\$ 5,878,227	\$ 69,361,677
<u>General Plant</u>					
7					
8	20,000	1,000,000	1,020,000	150,000	200,000
9	1,140,000	116,520	1,256,520	22,669	128,277
10	\$ 1,160,000	\$ 1,116,520	\$ 2,276,520	\$ 172,669	\$ 328,277
11					
12	\$ 2,791,949	\$ 11,132,419	\$ 59,825,753	\$ 6,050,896	\$ 69,689,954

Line Notes

1(a)	\$47,660,716 Less YTD Actuals thru December 2011 Remaining FY 2012 ISR	(\$44,647,475) \$3,013,241	4(b)	FY 2013 Growth April - December 2012	\$13,354,532 75% \$10,015,899
2(b)	\$57,184,191 75% \$42,888,143		4(d)	FY 2013 Growth January 2013	\$13,354,532 8.33% \$1,112,878
2(d)	\$57,184,191 8.33% \$4,765,349		4(e)	FY 2013 Growth February - March 2013	\$13,354,532 16.67% 2,225,755
3(e)	\$57,184,191 16.67% \$9,530,699		4(e)	FY 2014 Growth April 2013 - January 2014	\$11,942,076 83.33% \$9,951,730
3(e)	FY 2014 Assumed FY 2013 approved ISR Level April 2013 - January 2014	\$57,184,191 83.33% \$47,653,493		Rate Year Distribution for the 12 months ended 1/31/2014	12,177,485

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Amortization of Other Assets

	(a)	(b)	(c)=(a)+(b)	(d)	(e)=(c)+(d)
	Total Test Year	Normalizing	Adjusted Test	Pro Forma	Rate Year
	Per Books	Adjustments	Year Ended	Adjustments	Adjusted
			December 31, 2011		
1	Y2K and CIS Legacy System Amortization	\$373,979	\$0	\$373,979	\$373,979
2	Total Y2K and CIS Legacy System Amortization	\$373,979	\$0	\$373,979	\$373,979
3					
4	Environmental Cost Amortization	\$754,143	\$555,857	\$1,310,000	\$1,310,000
5	Total Environmental Cost Amortization	\$754,143	\$555,857	\$1,310,000	\$1,310,000
6					
7	Regulatory Amortization	\$1,918,364	(\$1,918,364)	\$0	\$0
8	Total Regulatory Amortization	\$1,918,364	(\$1,918,364)	\$0	\$0
9					
10	Total Amortization of Other Assets	\$3,046,486	(\$1,362,507)	\$1,683,979	\$1,683,979

Normalizing Adjustments

Adjust Environmental cost amortization to rate allowance	\$555,857
Remove amortization of NEG & Keyspan merger costs to achieve	(\$1,543,796)
Remove rate case expense amortization related to R.I.P.U.C. Docket No. 3943	(\$374,568)
Total	(\$1,362,507)

Line Notes

1(a)	From Company books
2	Line 1
4(a)	From Company books
4(b)	Line 16
5	Line 4
7(a)	From Company books
7(b)	Line 17 + Line 18
8	Line 7
10	Sum of Lines 2, 5, and 8
16-18	From Company books
19	Sum of Line 16 thru Line 18

The Narragansett Electric Company d/b/a National Grid
Adjustments to Operating Expenses
Test Year Ended December 31, 2011
Taxes Other than Income Taxes

	Total Test Year Per Books (a)	Normalizing Adjustments (b)	(a) + (b) Adjusted Test Year Ended December 31, 2011 (c)	Pro Forma Adjustments (d)	(c) + (d) Rate Year Adjusted (e)	
1	Property Taxes	\$11,658,209	\$0	\$11,658,209	\$2,336,443	\$13,994,652
2	Total Property Taxes	\$11,658,209	\$0	\$11,658,209	\$2,336,443	\$13,994,652
3						
4	Gross Receipts Tax	\$11,282,572	(\$11,282,572)	\$0		\$0
5	Total Gross Receipts Tax	\$11,282,572	(\$11,282,572)	\$0		\$0
6						
7	Payroll Taxes	\$2,395,603	(\$2,573)	\$2,393,030	(\$221,284)	\$2,171,746
8	Total Payroll Taxes	\$2,395,603	(\$2,573)	\$2,393,030	(\$221,284)	\$2,171,746
9						
10	Total Taxes Other than Income Taxes	\$25,336,384	(\$11,285,145)	\$14,051,239	\$2,115,159	\$16,166,398

Line Notes

- 1(a) From Company books
- 1(d) From Page 54 of 65 Line 12 Column (c)
- 2 Line 1
- 4(a) From Company books
- 4(b) Line 4(a) x -1
- 5 Line 4
- 7 From Page 34 of 65 Line 48
- 8 Line 7
- 10 Sum of Lines 2, 5, and 8

**The Narragansett Electric Company d/b/a National Grid
Adjustments To Taxes Other Than Income
Test Year Ended December 31, 2011
Property Tax Expense**

<u>Line No.</u>	<u>Description</u>	(a)	(b) <u>Amount</u>	(c) <u>Amount</u>
1	Property Tax Expense for Calendar Year 2011			\$ 11,658,209
2				
3	Three Year Average Percentage Increase in Property Taxes			9.1%
4				
5				
6	Property Tax Expense for Calendar Year 2012		\$ 12,724,709	
7	Property Tax Expense for Calendar Year 2013		\$ 13,888,773	
8	Property Tax Expense for Calendar Year 2014		\$ 15,159,326	
9				
10	Property Tax Expense for the Rate Year		\$ 13,994,652	
11				
12	Total Property Tax Adjustment			<u>\$ 2,336,443</u>
13				
14				
15				
16	Three Year Average Property Tax Expense Growth Rate:	<u>Calendar</u>	<u>Property Taxes</u>	<u>Percentage</u>
17		<u>Year</u>		<u>Inc/(Dec)</u>
18		2011	\$ 11,658,000	18.0%
19		2010	\$ 9,878,000	4.9%
20		2009	\$ 9,414,000	4.5%
21		2008	\$ 9,009,000	

Line Notes

1	From Company books at 12/31/2011
3	Sum of Column (c) Lines 18 through 20 / 3
6	Line 1 x (1 + Line 3)
7	Line 6 x (1 + Line 3)
8	Line 7 x (1 + Line 3)
10	(Line 7 / 12 x 11) + (Line 8 / 12)
12	Line 10 - Line 1
18(b)	Line 1
19-21(b)	From Company books
18(c)	(Col (b) Line 18 - Col (b) Line 19) / Col (b) Line 19
19(c)	(Col (b) Line 19 - Col (b) Line 20) / Col (b) Line 20
20(c)	(Col (b) Line 20 - Col (b) Line 21) / Col (b) Line 21

**The Narragansett Electric Company d/b/a National Grid
Computation of Federal Income Tax
Test Year Ended December 31, 2011
Income Tax Schedule**

		(a) Total Test Year Per Books	(b) Adjusted Rate Year	(c) Proposed Rate Increase	(d) After Rate Increase
1	Operating Income Before				
2	Taxes per Page 1 of 65, Line 19	\$21,981,517	\$26,574,791	\$10,933,463	\$37,508,254
3					
4	Less:				
5					
6	Interest Costs	2.97% \$9,150,837	\$11,063,383		\$11,063,383
7	Equity AFUDC	\$707,779	\$707,779		\$707,779
8	AFUDC Amortization	(\$10,511)	(\$10,511)		(\$10,511)
9					
10					
11	Taxable Income	\$12,133,412	\$14,814,140	\$10,933,463	\$25,747,603
12					
13	Federal Tax	35% \$4,246,694	\$5,184,949	\$3,826,712	\$9,011,661
14					
15					
16					
17	Net Federal Income Tax	\$4,246,694	\$5,184,949	\$3,826,712	\$9,011,661

Line Notes

- 2(b)-(e) Income Taxes per Page 1 of 65 Line 19
- 6(a) From Page 56 of 65, Line 1(e) + Line 3(e)
- 6(b) From Page 58 of 65, Line 28(a)
- 6(c)-(d) From Page 58 of 65, Line 31(c)
- 9 Line 2 + Line 6
- 11 Line 11 x Line 13, Column
- 15 Line 13 + Line 15

**The Narragansett Electric Company d/b/a National Grid
Pro Forma Income Statement
Capital Structure Summary**

	(a) Capital Structure	(b) Cost Rate	(c) Weighted Return	(d) Taxes	(e) Pre-tax Return
1 Short Term Debt	0.76%	0.80%	0.01%		0.01%
2					
3 Long Term Debt	49.95%	5.92%	2.96%		2.96%
4					
5 Preferred Stock	0.15%	4.50%	0.01%		0.01%
6					
7 Common Equity	<u>49.14%</u>	<u>9.50%</u>	<u>4.67%</u>	<u>2.51%</u>	<u>7.18%</u>
8					
9 Total Capitalization	<u><u>100.00%</u></u>		<u><u>7.65%</u></u>	<u><u>2.51%</u></u>	<u><u>10.16%</u></u>

Line Notes

Per Settlement Agreement

The Narragansett Electric Company d/b/a National Grid
Long Term Debt Summary
Test Year Ended December 31, 2011
Weighted Average Cost of Debt

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Panel A: Long-term debt							
	Interest Rate	Maturity Date	Amount Outstanding in \$000	Annual Interest Expense in \$000	Annual Amortization of DD&E in \$000	Total Expense in \$000	Cost of Debt
1	Unsecured notes:						
2	4.534%	March 15, 2020	\$250,000	\$11,335	664.6	\$11,999.6	4.80%
3	5.638%	March 15, 2040	300,000	16,914	279.3	17,193.3	5.73%
4	Subtotal						5.31%
5							
6	First mortgage bonds ¹						
7	9.630%	May 30, 2020	10,000	963	4.1	967.1	9.67%
8	8.460%	September 30, 2022	12,500	1,058	4.3	1,061.8	8.49%
9	8.090%	September 30, 2022	6,875	556	3.5	559.6	8.14%
10	7.500%	December 15, 2025	10,500	788	4.1	791.6	7.54%
11	6.820%	April 1, 2018	14,464	986	7.0	993.5	6.87%
12	Subtotal						8.05%
13							
14	4.850%	November 1, 2042	200,000	9,700	50.0	9,750.0	4.88%
15							
16	Total		<u>\$804,339</u>	<u>\$42,300</u>	<u>\$1,017</u>	<u>\$43,316</u>	<u>5.39%</u>
17							
18	Panel B: Weighted Average Cost of Debt by Segment						
19							
20	Electric Operations	73%	590,334	29,870	782	30,652	5.19%
21	Gas Operations	27%	214,005	12,430	235	12,664	5.92%
22							
23	Total		<u>\$804,339</u>	<u>\$42,300</u>	<u>\$1,017</u>	<u>\$43,316</u>	<u>5.39%</u>

¹ Backed entirely by gas assets. This debt was assumed by the Narragansett Electric Company when National Grid purchased the gas assets of the New England Gas Company from the Southern Union Company and merged them into Narragansett Electric.

Line Notes

Per Settlement Agreement

**The Narragansett Electric Company d/b/a National Grid
Rate Base Summary
Test Year Ended December 31, 2011
Rate Base Calculation**

<u>Description</u>	(a) <u>Test Year Books</u>	(b) <u>Adjustments</u>	(c) <u>Rate Year</u>
<u>Additions:</u>			
1 Gas Plant In Service	\$666,333,220	\$107,218,729	\$773,551,949
2 CWIP	\$45,978,033	\$20,092,116	\$66,070,148
3 Less: Accumulated Depreciation	\$310,353,578	\$28,273,384	\$338,626,962
4 Less: Contribution in Aid of Construction	\$4,871,246	\$713,198	\$5,584,444
5			
6 Net Plant	\$397,086,429	\$98,324,262	\$495,410,691
7			
8 Materials and Supplies	\$2,749,036	\$508,399	\$3,257,435
9 Prepaid Expenses, Excluding Taxes	\$180,036	(\$180,036)	\$0
10 Deferred Y2K	\$900,000	(\$496,000)	\$404,000
11 Cash Working Capital	\$8,974,216	\$0	\$8,974,216
12 Unamortized Interest Lock expense \$550M	\$1,958,492	(\$337,288)	\$1,621,204
13 Unamortized Debt Issuance \$550M	\$723,992	(\$89,763)	\$634,229
14 Unamortized Debt Issuance FMB	\$229,986	(\$47,760)	\$182,226
15 Unamortized Debt Issuance \$200M	\$0	\$311,366	\$311,366
16 Total Additions	\$15,715,758	(\$331,082)	\$15,384,676
17			
18			
19 <u>Deductions:</u>			
20 Accumulated Deferred FIT	\$72,876,224	\$35,128,097	\$108,004,321
21 Merger Hold Harmless Adjustment	\$27,053,832	(\$1,578,145)	\$25,475,687
22 Injuries and Damages Reserve	\$190,000	\$0	\$190,000
23 Customer Deposits	\$4,573,150	\$47,726	\$4,620,876
24			
25			
26 Total Deductions	\$104,693,206	\$33,597,678	\$138,290,884
27			
28 Rate Base	\$308,108,981	\$64,395,503	\$372,504,484
29			
30			
31 Total Rate Base			\$372,504,484

Column/Line Notes

Column (a)	From Page 59 of 65, Column (f)	12	From Page 62 of 65, Line 21(g)
Column (b)	Column (c) - Column (a)	13	From Page 62 of 65, Line 21(h)
1(c)	From Page 60 of 65, Line 29	14	From Page 62 of 65, Line 21(i)
2(c)	From Page 62 of 65, Line 21(a)	15	From Page 62 of 65, Line 21(j)
3(c)	From Page 61 of 65, Line 30	16	Sum of Line 8 through Line 15
4(c)	From Page 62 of 65, Line 21(b)	20(c)	From Page 64 of 65, Line 24
6	Line 1 + Line 2 - Line 3 - Line 4	21(c)	From Page 63 of 65, Line 21
8(c)	From Page 62 of 65, Line 21(c)	22	Per Settlement Agreement
9(c)	From Page 62 of 65, Line 21(d)	23(c)	From Page 62 of 65, Line 21(f)
10(c)	From Page 62 of 65, Line 21(e)	26	Sum of Line 20 through Line 24
11(c)	From Page 59 of 65, Line 11(f)	28	Line 6 + Line 16 - Line 26
		31	Line 28

**The Narragansett Electric Company d/b/a National Grid
Adjustments To Rate Base
Five-Quarter Average Rate Base**

Line No	(a) December 2010	(b) March 2011	(c) June 2011	(d) September 2011	(e) December 2011	(f) Average	
1	Gas Plant In Service	\$ 655,078,494	\$ 668,163,615	\$ 659,376,450	\$ 668,481,797	\$ 680,565,745	\$ 666,333,220
2	CWIP	29,382,159	31,591,072	45,154,069	57,692,714	66,070,148	45,978,033
3	Less: Accumulated Depreciation	309,170,951	312,514,872	305,632,291	310,098,873	314,350,902	310,353,578
4	Less: Contribution in Aid of Construction	2,496,154	4,938,533	5,212,623	6,124,476	5,584,444	4,871,246
5							
6	Net Plant	\$ 372,793,547	\$ 382,301,282	\$ 393,685,605	\$ 409,951,163	\$ 426,700,546	\$ 397,086,429
7							
8	Materials and Supplies	2,308,393	2,469,656	3,028,911	2,850,745	3,087,476	2,749,036
9	Prepaid Expenses, Excluding Taxes	262,500	387,682	0	250,000	0	180,036
10	Deferred Y2K	1,020,000	960,000	900,000	840,000	780,000	900,000
11	Cash Working Capital	8,974,216	8,974,216	8,974,216	8,974,216	8,974,216	8,974,216
12	Unamortized Interest Lock expense \$550M	2,039,441	1,998,966	1,958,492	1,918,017	1,877,542	1,958,492
13	Unamortized Debt Issuance \$550M	747,335	734,228	723,514	712,799	702,085	723,992
14	Unamortized Debt Issuance FMB	241,448	235,717	229,986	224,255	218,523	229,986
15							
16	Total Additions	\$ 15,593,333	\$ 15,760,465	\$ 15,815,118	\$ 15,770,033	\$ 15,639,843	\$ 15,715,758
17							
18	Accumulated Deferred FIT	63,726,877	67,841,494	73,965,612	78,548,236	80,298,900	72,876,224
19	Hold Harmless	27,549,435	27,301,633	27,053,832	26,806,031	26,558,229	27,053,832
20	Injuries and Damages Reserve	180,000	265,000	195,000	195,000	115,000	190,000
21	Customer Deposits	4,586,538	4,638,318	4,574,889	4,445,132	4,620,876	4,573,150
22							
23	Total Deductions	\$ 96,042,849	\$ 100,046,445	\$ 105,789,333	\$ 109,994,398	\$ 111,593,005	\$ 104,693,206
24							
25	Rate Base	\$ 292,344,030	\$ 298,015,302	\$ 303,711,391	\$ 315,726,798	\$ 330,747,384	\$ 308,108,981
26							
27							
28	Total Rate Base						\$ 308,108,981

Notes:

- 1(a)-4(e) From Company books
- 1(f)-4(f) Average of Column (a) through Column (e)
- 6(a)-6(e) Line 1 + Line 2 - Line 3 - Line 4
- 6(f) Average of Column (a) through Column (e)
- 8(a)-11(e) From Company books
- 8(f)-11(f) Average of Column (a) through Column (e)
- 10 Reflects the amortization of Y2K related costs per Docket No. 3401 - Workpaper MDL-21-GAS Page 2
- 11 From Page 65 of 65, Line 36(c)
- 12 Per Settlement Agreement
- 13 Per Settlement Agreement
- 14 Per Settlement Agreement
- 16 Sum of Line 8 through Line 14
- 18(a)-21(e) From Company books
- 18(f)-21(f) Average of Column (a) through Column (e)
- 19 Hold Harmless rate base credit per Docket No. 3859 - Workpaper MDL-25
- 20 Per Settlement Agreement
- 23 Sum of Line 18 thru Line 21
- 25 Sum of Line 6, Line 16 and Line 23
- 28 Line 25

The Narragansett Electric Company d/b/a National Grid
Adjustments to Rate Base
Test Year Ended December 31, 2011
Gas Plant in Service Forecast

Line No.	Description	Period	Gas Plant in Service
1	Balance @ December 31, 2011		\$ 680,565,745
2			
3	Plus: Plant Additions 12 Months Ended 12/31/12		1/ 59,825,753
4	Less: Plant Retirements 12 Months Ended 12/31/12		(4,594,618)
5	Net Increase		55,231,135
6			
7	Balance @ December 31, 2012		735,796,880
8			
9	Plus: Plant Additions for January 1/31/13		6,050,896
10	Less: Plant Retirements January 1/31/13		(464,709)
11	Net Increase		5,586,187
12			
13	Balance as of	1/31/13	2/ 741,383,067
14			
15		2/28/13	2/ 746,744,547
16		3/31/13	2/ 752,106,028
17		4/30/13	2/ 757,467,508
18		5/30/13	2/ 762,828,988
19		6/30/13	2/ 768,190,469
20		7/31/13	2/ 773,551,949
21		8/31/13	2/ 778,913,430
22		9/30/13	2/ 784,274,910
23		10/31/13	2/ 789,636,391
24		11/30/13	2/ 794,997,871
25		12/31/13	2/ 800,359,351
26		1/31/14	2/ 805,720,832
27			
28			
29	Rate Year Plant in Service - 5 Quarter Average		\$ 773,551,949
30			
31	1/ Assumes 7.68% based on 2011 Retirements as a percent of capital spend		
32			
33	2/ Adjustment Detail:		
34	Plant Detail 12 Months Ended 1/31/14		
35	Plant Additions 12 Months Ended 1/31/14		\$ 69,689,954
36	Plant Retirements 12 Months Ended 1/31/14		(5,352,188)
37	Net Increase / (Decrease)		\$ 64,337,765
38			
39	Monthly Increase / (Decrease)		\$ 5,361,480

Line Notes

- 1 From Page 59 of 65, Line 1(e)
- 3 From Page 50 of 65, Line 14
- 4 From Page 50 of 65, Line 17
- 5 Line 3 + Line 4
- 13 Line 7 + Line 11
- 15-26 Previous month balance plus Line 39
- 29 Average of Lines 13, 17, 20, 23, 26
- 35 From Page 50 of 65, Line 62
- 36 From Page 50 of 65, Line 64

The Narragansett Electric Company d/b/a National Grid
Adjustments To Rate Base
Test Year Ended December 31, 2011
Accumulated Depreciation Forecast

Line No.	Description	Period	Accumulated Depreciation
1	Balance @ December 31, 2011		\$ 314,350,902
2			
3	Depreciation Expense 1/1/12 - 12/31/12		25,650,608
4	Less: Net Cost of Removal / (Salvage)		(7,200,792)
5	Less: Retirements		(4,594,618)
6	Net Increase / (Decrease)		13,855,198
7			
8	Balance @ December 31, 2012		328,206,100
9			
10	Depreciation Expense 1/1/13 - 1/31/13		2,240,532
11	Less: Net Cost of Removal / (Salvage)		(391,783)
12	Less: Retirements		(464,709)
13	Net Increase / (Decrease)		1,384,040
14			
15	Balance as of:	1/31/13	329,590,140
16			
17		2/28/13 1/	331,096,277
18		3/31/13 1/	332,602,414
19		4/30/13 1/	334,108,551
20		5/30/13 1/	335,614,688
21		6/30/13 1/	337,120,825
22		7/31/13 1/	338,626,962
23		8/31/13 1/	340,133,099
24		9/30/13 1/	341,639,236
25		10/31/13 1/	343,145,373
26		11/30/13 1/	344,651,510
27		12/31/13 1/	346,157,647
28		1/31/14 1/	347,663,784
29			
30	Rate Year Accumulated Depreciation - 5 Quarter Average		\$ 338,626,962
31			
32			
33	1/ Rate Year Ended 1/31/14 Depreciation Reserve Detail:		
34	Depreciation Expense		\$ 28,127,225
35	Net Cost of Removal / (Salvage)		(4,701,396)
36	Less: Retirements		(5,352,188)
37	Net Increase / (Decrease)		\$ 18,073,640
38			
39	Monthly Increase / (Decrease)		\$ 1,506,137

Line Notes

- 1 From Page 59 of 65, Line 3(e)
- 3 From Page 50 of 65, Sum of Line 25 through Line 27
- 4 From Page 50 of 65, Line 28
- 5 From Page 50 of 65, Line 17
- 6 Sum of Line 3 thru Line 5
- 8 Line 1 + Line 6
- 10 From Page 50 of 65, Sum of Line 48 through Line 50
- 11 From Page 50 of 65, Line 51
- 12 From Page 50 of 65, Line 52
- 13 Sum of Line 10 thru Line 12
- 15 Line 8 + Line 13
- 17-28 Previous month balance plus Line 39
- 30 Average of Lines 15, 19, 22, 25, 28
- 34 From Page 50 of 65, Sum of Line 72 through Line 74
- 35 From Page 50 of 65, Line 75
- 36 From Page 50 of 65, Line 76

**The Narragansett Electric Company d/b/a National Grid
Adjustments To Rate Base
Test Year Ended December 31, 2011
Other Rate Base Item Forecast**

Line No.		(a) CWIP	(b) CIAC	(c) Materials and Supplies	(d) Prepayments	(e) Deferred Debits	(f) Customer Deposits	(g) Unamort Interest Rate Lock	(h) Unamort Debt Issuance \$550M	(i) Unamort Debt Issuance FMB	(j) Unamort Debt Issuance \$200M
1	Balance at the end of the Test Year	\$66,070,148	\$5,584,444	\$3,087,476	\$0	\$780,000	\$4,620,876	\$1,877,542	\$702,085	\$218,523	\$0
2											
3	Increase / (Decrease) 12 Months Ended 12/31/12	0	0	21,790	0	(240,000)	0	(161,898)	(42,857)	(22,925)	317,576
4											
5	Balance @ 12/31/12	66,070,148	5,584,444	3,109,266	0	540,000	4,620,876	1,715,644	659,229	195,599	317,576
6											
7											
8	1/31/13	66,070,148	5,584,444	3,131,056	0	520,000	4,620,876	1,702,153	655,657	193,688	316,689
9	2/28/13	66,070,148	5,584,444	3,152,845	0	500,000	4,620,876	1,688,661	652,086	191,778	315,802
10	3/31/13	66,070,148	5,584,444	3,174,635	0	480,000	4,620,876	1,675,170	648,515	189,867	314,915
11	4/30/13	66,070,148	5,584,444	3,196,424	0	460,000	4,620,876	1,661,678	644,943	187,957	314,028
12	5/31/13	66,070,148	5,584,444	3,218,214	0	440,000	4,620,876	1,648,187	641,372	186,047	313,140
13	6/30/13	66,070,148	5,584,444	3,240,004	0	420,000	4,620,876	1,634,695	637,801	184,136	312,253
14	7/31/13	66,070,148	5,584,444	3,261,793	0	400,000	4,620,876	1,621,204	634,229	182,226	311,366
15	8/31/13	66,070,148	5,584,444	3,283,583	0	380,000	4,620,876	1,607,712	630,658	180,315	310,479
16	9/30/13	66,070,148	5,584,444	3,305,372	0	360,000	4,620,876	1,594,221	627,086	178,405	309,592
17	10/31/13	66,070,148	5,584,444	3,327,162	0	340,000	4,620,876	1,580,729	623,515	176,495	308,705
17	11/30/13	66,070,148	5,584,444	3,327,162	0	340,000	4,620,876	1,567,238	619,944	174,584	307,818
18	12/31/13	66,070,148	5,584,444	3,348,952	0	320,000	4,620,876	1,553,746	616,372	172,674	306,931
19	1/31/14	66,070,148	5,584,444	3,370,741	0	300,000	4,620,876	1,540,255	612,801	170,763	306,044
20											
21	Rate Year Amounts - Five Quarter Average	\$66,070,148	\$5,584,444	\$3,257,435	\$0	\$404,000	\$4,620,876	\$1,621,204	\$634,229	\$182,226	\$311,366
22											
23	Changes:										
24	Annual	\$ -	\$ -	\$ 261,475	\$ -	\$ (240,000)	\$ -	\$ (161,898)	\$ (42,857)	\$ (22,925)	\$ (10,645)
25	Monthly	\$ -	\$ -	\$ 21,790	\$ -	\$ (20,000)	\$ -	\$ (13,491)	\$ (3,571)	\$ (1,910)	\$ (887)
26											

1/ Assumes no change in 2011 balance

Line Notes

- 1(a) From Page 59 of 65 Line 2(e)
- 1(b) From Page 59 of 65 Line 4(e)
- 1(c) From Page 59 of 65 Line 8(e)
- 1(d) From Page 59 of 65 Line 9(e)
- 1(e) From Page 59 of 65 Line 10(e)
- 1(f) From Page 59 of 65 Line 21(e)
- 3 Line 26
- 5 Line 1 + Line 3
- 5(e) From Workpaper MDL-21 GAS Page 2, Line 47
- 8-19 Previous month balance plus Line 26
- 21 Average of Lines 8, 11, 14, 17, 19
- 24 From Workpaper MDL-21 GAS Page 1, Line 8
- 26 Line 24/12

Column Notes

- (g)-(j) Per Settlement Agreement

The Narragansett Electric Company d/b/a National Grid
Adjustments To Rate Base
Test Year Ended December 31, 2011
Merger Hold Harmless Rate Base Credit

Line No.	Description	Period	Merger Hold Harmless Rate Base Credit
1	Balance @ December 31, 2011		\$ 26,558,229
2			
3	Increase/(Decrease) 12 Month Ended 12/31/12		(735,118)
4			
5	Balance as of:	12/31/12	25,823,111
6			
7		1/31/13	25,773,631
8		2/28/13 1/	25,724,151
9		3/31/13 1/	25,674,670
10		4/30/13 1/	25,625,190
11		5/30/13 1/	25,575,709
12		6/30/13 1/	25,526,229
13		7/31/13 1/	25,476,749
14		8/31/13 1/	25,427,268
15		9/30/13 1/	25,377,788
16		10/31/13 1/	25,328,307
17		11/30/13 1/	25,278,827
18		12/31/13 1/	25,229,347
19		1/31/14 2/	25,174,560
20			
21	Rate Year Merger Hold Harmless - 5 Quarter Average		\$ 25,475,687
22			
23			
24	Balance as of 12/31/11	26,558,229	
25	Balance as of 12/31/12	25,823,111	
26		\$ (735,118)	
27			
28	Balance as of 12/31/12	25,823,111	
29	Balance as of 12/31/13	25,229,347	
30		\$ (593,765)	
31			
32	Monthly Increase/(Decrease)	\$ (49,480)	
33			
34	Balance as os 12/31/13	25,229,347	
35	Balance as os 12/31/14	24,571,907	
36		\$ (657,439)	
37			
38	Monthly Increase/(Decrease)	\$ (54,787)	

Line Notes

- 1 From Page 59 of 65, Line 19(e)
- 3 Line 26
- 5 Line 1 + Line 3
- 7-18 Previous month balance plus Line 32
- 19 Previous month balance plus Line 38
- 21 Average of Lines 7, 10, 13, 16, 19
- 25 Workpaper MDL-25 Page 1 Line 7
- 29 Workpaper MDL-25 Page 1 Line 8
- 35 Workpaper MDL-25 Page 1 Line 9

The Narragansett Electric Company d/b/a National Grid
Rate Base Adjustments
Test Year Ended December 31, 2011
Accumulated Deferred Tax Forecast

Line No.	Description	Period or Amount	Amount	Amount	Accumulated Deferred Income Tax
1	Balance as of December 31, 2011				\$ 80,298,900
2					
3	Increase / (Decrease) 12 Months Ended 12/31/12				19,058,494 1/
4					
5	Balance as of December 31, 2012				99,357,394
6					
7	Increase / (Decrease) 1 Month Ended 1/31/13				1,700,343 2/
8					
9	Balance as of:	1/31/13			101,057,737
10					
11		2/28/13			102,215,501 3/
12		3/31/13			103,373,265 3/
13		4/30/13			104,531,029 3/
14		5/30/13			105,688,793 3/
15		6/30/13			106,846,557 3/
16		7/31/13			108,004,321 3/
17		8/31/13			109,162,085 3/
18		9/30/13			110,319,849 3/
19		10/31/13			111,477,613 3/
20		11/30/13			112,635,376 3/
21		12/31/13			113,793,140 3/
22		1/31/14			114,950,904 3/
23					
24	Rate Year Accumulated Deferred Income Tax - Five Quarter Average				\$ 108,004,321
25					
26					
27					
28	1/ <u>12 Months Ended 12/31/12:</u>				
29		Book	Tax	Difference	
30		(a)	(b)		
31	Depreciation	\$ 25,650,608	\$ 80,103,448	\$ 54,452,840	
32	Income Tax Rate			35%	
33	Annual Change to Accumulated Deferred Taxes			\$ 19,058,494	
34	2/ <u>1 Month Ended 1/31/13:</u>				
35					
36	Depreciation	\$ 2,240,532	\$ 7,098,655	\$ 4,858,123	
37	Income Tax Rate			35%	
38	Annual Change to Accumulated Deferred Taxes			\$ 1,700,343	
39					
40	3/ <u>12 Months Ended 1/31/14:</u>				
41					
42	Depreciation	\$ 28,127,225	\$ 67,821,988	\$ 39,694,763	
43	Income Tax Rate			35%	
44	Annual Change to Accumulated Deferred Taxes			\$ 13,893,167	
45					
46	Monthly Change to Accumulated Deferred Taxes			\$ 1,157,764	

Line Notes

1	From Page 59 of 65, Line 18(e)	36(a)	From Page 50 of 65 Line 48 + Line 49 + Line 50
3	Line 32	36(b)	From Workpaper MDL-22 GAS Page 1 11(b)
5	Line 1 + Line 3	42(a)	From Page 50 of 65 Line 72 + Line 73 + Line 74
7	Line 38	42(b)	From Workpaper MDL-22 GAS Page 11(c)
9	Line 5 + Line 7		
11-22	Previous month balance plus Line 46		
24	Average of Lines 9, 13, 16, 19, 22		
30 (a)	From Page 50 of 65 Line 25 + Line 26 + Line 27		
30 (b)	From Workpaper MDL-22 GAS Page 1 11(a)		

**The Narragansett Electric Company d/b/a National Grid
Adjustments To Rate Base
Test Year Ended December 31, 2011
Working Capital**

		(a)	(b)	(a) x (b) (c)
	<u>Description</u>	<u>Lead/Lag Factor</u>	<u>Rate Year Expense</u>	<u>Rate Year Working Capital</u>
	<u>Working Capital Components</u>			
1	Operation & Maintenance Expense	6.92%	\$ 80,256,452	\$ 5,554,260
2				
3	Federal Income Tax	6.40%	10,639,347	680,523
4				
5	<u>Taxes Other than Income Taxes</u>			
6				
7	Municipal Taxes	-12.80%	\$13,994,652	(1,791,835)
8				
9	Sales and Use Tax	7.46%	4,907,479	365,916
10				
11	Gross Receipts Tax	27.70%	14,906,401	4,128,520
12				
13	<u>Payroll Taxes - Company Portion</u>			
14				
15	Federal Unemployment	-13.76%	3,327	(458)
16				
17	State Unemployment	-0.68%	30,620	(209)
18				
19	FICA Expense - Weekly	12.13%	432,772	52,479
20	FICA Expense - Monthly	12.02%	55,711	6,694
21				
22	<u>Payroll Taxes and Other Withholding</u>			
23				
24	FICA and Federal Withholding - Weekly	-0.42%	1,205,897	(5,065)
25	FICA and Federal Withholding - Monthly	-0.49%	162,469	(796)
26				
27	State Income Tax Withholding - Weekly	-0.41%	227,408	(932)
28	State Income Tax Withholding - Monthly	-0.48%	31,555	(151)
29				
30	Temporary Disability Ins. - Weekly	-11.35%	44,845	(5,090)
31	Temporary Disability Ins. - Monthly	-20.99%	7,365	(1,546)
32				
33	Incentive Thrift - Weekly	-1.08%	609,367	(6,561)
34	Incentive Thrift - Monthly	-1.79%	85,826	(1,533)
35				
36	TOTAL		<u>\$127,601,493</u>	<u>\$8,974,216</u>

Line Notes

1-36(a)	From Schedule MDL-4-GAS
1(b)	From Page 1 of 65, Line 7(g) - Lines 9(b), 33(b) and 34(b)
3(b)	From Page 55 of 65, Line 17(d)
7(b)	From Page 53 of 65, Line 10(e)
9(b)	From Company books
11(b)	From Page 1 of 65, Line 1(g) x 4%
15(b)-31(b)	From Page 53 of 65, Line 8(e) prorated based on test year spending
33(b)-34(b)	From Page 7 of 65, Line 5(e) + Line 6(e) prorated based on test year spending
36	Sum of Line 1 thru Line 34

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Attachment 7

Clean and Marked-To-Show Versions of Proposed Gas Tariff Provisions
(Schedule AEL-4-S)

Included in Book 4

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. Docket No. 4323

Attachment 8

Gas Allocated Cost of Service Study and rate Design

Included in Book 2

Attachment 9

Illustrative RDM Revenue per Customer Target Calculation

National Grid - RI Gas
d/b/a National Grid
Computation of Class RDM Revenue per Customer - Illustrative
Rate Year Ending January 31, 2014

Line No.	Col A	Col B	Col C	Col D = A - B + C	Col E	Col G = D/E
	Settled rate Designed Class Rev Requirement	Settled Growth Capital Rev Requirement	Illustrative Actual Growth Capital Rev Requirement	Actual Rate Year Rev Target	Illustrative Actual Avg. Rate Year No. Customers	Actual RDM Target
1	\$6,527,893	\$88,005	\$117,051	\$6,556,939	24,346	\$269.32
2	\$109,708,323	\$1,479,021	\$1,829,864	\$110,059,166	203,649	\$540.44
3	\$14,388,557	\$193,978	\$244,539	\$14,439,118	18,328	\$787.82
4	\$19,108,578	\$257,610	\$379,913	\$19,230,881	4,599	\$4,181.54
5						
6	\$149,733,351	\$2,018,614	\$2,571,367	\$150,286,104	250,922	

RDM Classes

- 1 Res Non Ht (incl Low Income)
- 2 Res HT (incl Low Income)
- 3 C&I Small
- 4 C&I Medium
- 5
- 6 Sub-Total RDM

Column Notes

- Column A - Per Settlement Rate Design
- Column B - RDM Class related Growth Capital revenue requirement per Settlement
- Column C - Illustrative Actual RDM Class related Growth Capital revenue requirement for the Rate Year ending 1/31/14. Will reflect Actual RDM Class related growth Capital revenue requirement for the Rate Year when known.
- Column C - Illustrative Actual Average number of customers for the Rate Year ending 1/31/14. Will reflect Actual Average number of customers for the Rate Year when known.

**National Grid - RI Gas
d/b/a National Grid
Forecasted Growth Capital Data Jan 2012-Jan 2014 as Filed**

Line No.		Initial Filing		Final Rate Design Alloc Col C = B/Total B	Fpst Growth Capital Revenue Requirement Col D	Fpst Growth Capital Revenue Requirement Col E = D*C	Fpst. No. Customers Col F
		Final Rate Design Col A	Rate Base With Growth Col B				
		Rate Design	Rate Design Alloc				
1	Res Non Ht(incl Low Income)	\$6,527,893	\$14,706,535	4%		88,005	25,357
2	Res HT (incl Low Income)	\$109,708,323	\$229,906,980	66%		1,479,021	202,140
3	Total	\$116,236,216	\$244,613,515	70%		\$1,567,026	227,497
4							
5	C&I Small	\$14,388,557	\$30,724,264	9%		193,978	18,328
6	C&I Medium	\$19,108,578	\$47,732,910	11%		257,610	4,293
7	Sub-Total	\$33,497,135	\$78,457,174	20%		\$451,588	22,621
8							
9	C&I Large LLF	\$8,232,838	\$22,827,675	5%		110,990	
10	C&I Large HLF	\$2,715,029	\$8,907,894	2%		36,602	
11							
12	C&I XLarge LLF	\$1,470,319	\$2,935,729	1%		19,822	
13	C&I XLarge HLF	\$4,942,251	\$12,203,471	3%		66,628	
14							
15	Sub-Total	\$17,360,437	\$46,874,769	10%		\$234,043	250,118
16							
17	Sub-Total C&I	\$50,857,572	\$125,331,943	30%		\$685,631	
18							
19	Total	\$167,093,788	\$369,945,458	100%	2,252,657	\$2,252,657	
20							
21							
22	RDM	\$149,733,351	\$323,070,689				
23	NON RDM	\$17,360,437	\$46,874,769				
24	Total	\$167,093,788	\$369,945,458				
25							

National Grid - RI Gas
d/b/a National Grid
Illustrative Actual Growth Capital Data Jan 2012-Jan 2014

Line No.	RDM Classes ONLY	Final Rate Design		Initial Filing		Actual Growth Capital		Actual No. Customers
		Col A	Col B	Rate Design Alloc	Rate Design Alloc	Revenue Requirement *	Revenue Requirement	
				Col C = B/Total B	Col E= D*C	Col D	Col F	
1	Res Non Ht(incl Low Income)	\$6,527,893	\$14,706,535	5%	117,051		24,346	
2	Res HT (incl Low Income)	\$109,708,323	\$229,906,980	71%	1,829,864		203,649	
3	Total	\$116,236,216	\$244,613,515	76%	\$1,946,915		227,995	
4								
5	C&I Small	\$14,388,557	\$30,724,264	10%	244,539		18,328	
6	C&I Medium	\$19,108,578	\$47,732,910	15%	379,913		4,599	
7	Sub-Total	\$33,497,135	\$78,457,174	24%	\$624,452		22,927	
8								
9	Total	\$149,733,351	\$323,070,689	100%	\$2,571,367		250,922	
10								
11								

** Includes Revenue Requirement associated with Actual growth capital related to RDM rate classes and an allocation of Growth related System Reinforcements.

The Narragansett Electric Company
d/b/a National Grid
R.I.P.U.C. Docket No. 4323
Attachment 9
Page 4 of 11

**National Grid - RI Gas
d/b/a National Grid
Computation of Growth Capital Investment Revenue Requirement as Filed
Rate Year Ending January 31, 2014**

Line No		Calendar Year	One Month	Rate Year Ending
		2012	Ending January 31, 2013	January 31, 2014
		(a)	(b)	(c)
1	Annual Growth Capital Investment	\$11,647,848	\$1,112,878	\$12,177,485
2	Cumulative Growth Capital	\$11,647,848	\$12,760,726	\$24,938,211
3				
4	<u>Deferred Tax Calculation:</u>			
5	Composite Book Depreciation Rate	3.38%	3.38%	3.38%
6	Tax Depreciation Rate	44.66%	4.12%	4.11%
7				
8	Tax Depreciation	\$5,201,492	\$525,226	\$984,187
9	Cumulative Tax Depreciation	\$5,201,492	\$5,726,718	\$6,710,906
10				
11	Book Depreciation	\$196,849	\$395,265	\$619,872
12	Cumulative Book Depreciation	\$196,849	\$592,113	\$1,211,985
13				
14	Cumulative Book / Tax Timer	\$5,004,644	\$5,134,605	\$5,498,921
15	Effective Tax Rate	35.00%	35.00%	35.00%
16	Deferred Tax Reserve	\$1,751,625	\$1,797,112	\$1,924,622
17				
18	<u>Rate Base Calculation:</u>			
19	Cumulative Incremental Capital Included in Rate Base	11,647,848	12,760,726	24,938,211
20	Accumulated Depreciation	(\$196,849)	(\$592,113)	(\$1,211,985)
21	Deferred Tax Reserve	(\$1,751,625)	(\$1,797,112)	(\$1,924,622)
22	Year End Rate Base	\$9,699,374	\$10,371,501	\$21,801,604
23				
24	<u>Revenue Requirement Calculation:</u>			
25	Average Rate Base			\$16,086,552
26	Pre-Tax ROR			10.15%
27	Return and Taxes			\$1,632,785
28	Book Depreciation			\$619,872
29				
30	Annual Revenue Requirement			\$2,252,657

1/ Weighted Average Cost of Capital per Settlement R.I.P.U.C. Docket No. 4323

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.94%	5.92%	2.96%		2.96%
Short Term Debt	0.76%	0.80%	0.01%		0.01%
Preferred Stock	0.15%	4.50%	0.01%		0.01%
Common Equity	49.14%	9.50%	4.67%	2.51%	7.18%
	<u>100.00%</u>		<u>7.64%</u>	<u>2.51%</u>	<u>10.15%</u>

**National Grid - RI Gas
d/b/a National Grid
Computation of Growth Capital Rate Base as Filed
Rate Year Ending January 31, 2014**

<u>Line</u> <u>No</u>		<u>Calendar Year</u> <u>2012</u>	<u>One Month Ending</u> <u>January 31, 2013</u>	<u>Rate Year Ending January</u> <u>31, 2014</u>
1	Annual Growth Capital Investment			\$12,177,485
2	Cumulative Growth Capital	\$0	\$0	\$12,177,485
3				
4	<u>Deferred Tax Calculation:</u>			
5	Composite Book Depreciation Rate			3.38%
6	Tax Depreciation			3.75%
7				
8	Tax Depreciation			\$456,656
9	Cumulative Tax Depreciation			\$456,656
10				
11	Book Depreciation			\$205,799
12	Cumulative Book Depreciation			\$205,799
13				
14	Cumulative Book / Tax Timer			\$250,856
15	Effective Tax Rate			35.00%
16	Deferred Tax Reserve			<u>\$87,800</u>
17				
18	<u>Rate Base Calculation:</u>			
19	Cumulative Incremental Capital Included in Rate Base			\$12,177,485
20	Accumulated Depreciation			(\$205,799)
21	Deferred Tax Reserve			(\$87,800)
22	Year End Rate Base			<u><u>\$11,883,886</u></u>

**National Grid - RI Gas
d/b/a National Grid
Computation of Growth Capital Rate Base as Filed
One Month Ending January 31, 2013**

<u>Line</u> <u>No</u>		<u>Calendar Year 2012</u>	<u>One Month</u> <u>Ending January</u> <u>31, 2013</u>	<u>Rate Year Ending</u> <u>January 31, 2014</u>
1	Annual Growth Capital Investment	\$0	\$1,112,878	\$0
2	Cumulative Growth Capital	\$0	\$1,112,878	\$1,112,878
3				
4	<u>Deferred Tax Calculation:</u>			
5	Composite Book Depreciation Rate		3.38%	3.38%
6	Tax Depreciation		3.75%	7.22%
7				
8	Tax Depreciation		\$41,733	\$80,339
9	Cumulative Tax Depreciation		\$41,733	\$122,072
10				
11	Book Depreciation		\$1,567	\$20,375
12	Cumulative Book Depreciation		\$1,567	\$21,942
13				
14	Cumulative Book / Tax Timer		\$40,166	\$100,129
15	Effective Tax Rate		35.00%	35.00%
16	Deferred Tax Reserve		\$14,058	\$35,045
17				
18	<u>Rate Base Calculation:</u>			
19	Cumulative Incremental Capital Included in Rate Base		\$1,112,878	1,112,878
20	Accumulated Depreciation		(\$1,567)	(\$21,942)
21	Deferred Tax Reserve		(\$14,058)	(\$35,045)
22	Year End Rate Base		\$1,097,253	\$1,055,890

The Narragansett Electric Company
d/b/a National Grid
R.I.P.U.C. Docket No. 4323
Attachment 9
Page 7 of 11

**National Grid - RI Gas
d/b/a National Grid
Computation of Growth Capital Rate Base as Filed
12 Months Ending December 31, 2012**

<u>Line No</u>		<u>Calendar Year 2012</u>	<u>One Month Ending January 31, 2013</u>	<u>Rate Year Ending January 31, 2014</u>
1	Annual Growth Capital Investment	\$11,647,848	\$0	\$0
2	Cumulative Growth Capital	\$11,647,848	\$11,647,848	\$11,647,848
3				
4	<u>Deferred Tax Calculation:</u>			
5	Composite Book Depreciation Rate	3.38%	3.38%	3.38%
6	Tax Depreciation Rate	44.66%	4.15%	3.84%
7				
8	Tax Depreciation	\$5,201,492	\$483,493	\$447,193
9	Cumulative Tax Depreciation	\$5,201,492	\$5,684,985	\$6,132,178
10				
11	Book Depreciation	\$196,849	\$393,697	\$393,697
12	Cumulative Book Depreciation	\$196,849	\$590,546	\$984,243
13				
14	Cumulative Book / Tax Timer	\$5,004,644	\$5,094,440	\$5,147,935
15	Effective Tax Rate	35.00%	35.00%	35.000%
16	Deferred Tax Reserve	\$1,751,625	\$1,783,054	\$1,801,777
17				
18	<u>Rate Base Calculation:</u>			
19	Cumulative Incremental Capital Included in Rate Base	\$11,647,848	11,647,848	11,647,848
20	Accumulated Depreciation	(\$196,849)	(\$590,546)	(\$984,243)
21	Deferred Tax Reserve	(\$1,751,625)	(\$1,783,054)	(\$1,801,777)
22	Year End Rate Base	\$9,699,374	\$9,274,248	\$8,861,828

The Narragansett Electric Company
d/b/a National Grid
R.I.P.U.C. Docket No. 4323
Attachment 9
Page 8 of 11

**National Grid - RI Gas
d/b/a National Grid
Illustrative Computation of Actual Growth RDM-Related Capital Investment Revenue Requirement
Rate Year Ending January 31, 2014**

Line No		Calendar Year	One Month	Rate Year Ending
		2012	Ending January 31, 2013	January 31, 2014
		(a)	(b)	(c)
1	Annual Growth Capital Investment	\$13,000,000	\$1,500,000	\$14,000,000
2	Cumulative Growth Capital	\$13,000,000	\$14,500,000	\$28,500,000
3				
4	<u>Deferred Tax Calculation:</u>			
5	Composite Book Depreciation Rate			
6	Tax Depreciation Rate			
7				
8	Tax Depreciation	\$5,805,313	\$595,870	\$1,132,391
9	Cumulative Tax Depreciation	\$5,805,313	\$6,401,183	\$7,533,574
10				
11	Book Depreciation	\$219,700	\$441,513	\$703,463
12	Cumulative Book Depreciation	\$219,700	\$661,213	\$1,364,675
13				
14	Cumulative Book / Tax Timer	\$5,585,613	\$5,739,971	\$6,168,899
15	Effective Tax Rate	35.00%	35.00%	35.00%
16	Deferred Tax Reserve	\$1,954,965	\$2,008,990	\$2,159,115
17				
18	<u>Rate Base Calculation:</u>			
19	Cumulative Incremental Capital Included in Rate Base	\$13,000,000	\$14,500,000	\$28,500,000
20	Accumulated Depreciation	(\$219,700)	(\$661,213)	(\$1,364,675)
21	Deferred Tax Reserve	(\$1,954,965)	(\$2,008,990)	(\$2,159,115)
22	Year End Rate Base	\$10,825,335	\$11,829,798	\$24,976,210
23				
24	<u>Revenue Requirement Calculation:</u>			
25	Average Rate Base			\$18,403,004
26	Pre-Tax ROR			10.15%
27	Return and Taxes			\$1,867,905
28	Book Depreciation			\$703,463
29				
30	Annual Revenue Requirement			\$2,571,367

1/ Weighted Average Cost of Capital per Settlement R.I.P.U.C. Docket No. 4323

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.94%	5.92%	2.96%		2.96%
Short Term Debt	0.76%	0.80%	0.01%		0.01%
Preferred Stock	0.15%	4.50%	0.01%		0.01%
Common Equity	49.14%	9.50%	4.67%	2.51%	7.18%
	100.00%		7.64%	2.51%	10.15%

National Grid - RI Gas
d/b/a National Grid
Illustrative Computation of Actual RDM-Related Growth Capital Rate Base
Rate Year Ending January 31, 2014

<u>Line</u> <u>No</u>		<u>Calendar Year</u> <u>2012</u>	<u>One Month Ending</u> <u>January 31, 2013</u>	<u>Rate Year Ending January</u> <u>31, 2014</u>
1	Annual Growth Capital Investment			\$14,000,000
2	Cumulative Growth Capital	-	-	\$14,000,000
3				
4	<u>Deferred Tax Calculation:</u>			
5	Composite Book Depreciation Rate			3.38%
6	Tax Depreciation			3.75%
7				
8	Tax Depreciation			\$525,000
9	Cumulative Tax Depreciation			\$525,000
10				
11	Book Depreciation			\$236,600
12	Cumulative Book Depreciation			\$236,600
13				
14	Cumulative Book / Tax Timer			\$288,400
15	Effective Tax Rate			35.00%
16	Deferred Tax Reserve			<u>\$100,940</u>
17				
18	<u>Rate Base Calculation:</u>			
19	Cumulative Incremental Capital Included in Rate Base			\$14,000,000
20	Accumulated Depreciation			(\$236,600)
21	Deferred Tax Reserve			(\$100,940)
22	Year End Rate Base			<u><u>\$13,662,460</u></u>

**National Grid - RI Gas
d/b/a National Grid
Illustrative Computation of Actual RDM-Related Growth Capital Rate Base
One Month Ending January 31, 2013**

<u>Line</u> <u>No</u>		<u>Calendar Year 2012</u>	<u>One Month</u> <u>Ending January</u> <u>31, 2013</u>	<u>Rate Year Ending</u> <u>January 31, 2014</u>
1	Annual Growth Capital Investment	\$0	\$1,500,000	\$0
2	Cumulative Growth Capital	\$0	\$1,500,000	\$1,500,000
3				
4	<u>Deferred Tax Calculation:</u>			
5	Composite Book Depreciation Rate		3.38%	3.38%
6	Tax Depreciation		3.75%	7.22%
7				
8	Tax Depreciation		\$56,250	\$108,285
9	Cumulative Tax Depreciation		\$56,250	\$164,535
10				
11	Book Depreciation		\$2,113	\$27,463
12	Cumulative Book Depreciation		\$2,113	\$29,575
13				
14	Cumulative Book / Tax Timer		\$54,138	\$134,960
15	Effective Tax Rate		35.00%	35.00%
16	Deferred Tax Reserve		<u>\$18,948</u>	<u>\$47,236</u>
17				
18	<u>Rate Base Calculation:</u>			
19	Cumulative Incremental Capital Included in Rate Base		\$1,500,000	1,500,000
20	Accumulated Depreciation		(\$2,113)	(\$29,575)
21	Deferred Tax Reserve		(\$18,948)	(\$47,236)
22	Year End Rate Base		<u>\$1,478,939</u>	<u>\$1,423,189</u>

The Narragansett Electric Company
d/b/a National Grid
R.I.P.U.C. Docket No. 4323
Attachment 9
Page 11 of 11

**National Grid - RI Gas
d/b/a National Grid
Illustrative Computation of Actual RDM-Related Growth Capital Rate Base
12 Months Ending December 31, 2012**

<u>Line No</u>		<u>Calendar Year 2012</u>	<u>One Month Ending January 31, 2013</u>	<u>Rate Year Ending January 31, 2014</u>
1	Annual Growth Capital Investment	\$13,000,000	\$0	\$0
2	Cumulative Growth Capital	\$13,000,000	\$13,000,000	\$13,000,000
3				
4	<u>Deferred Tax Calculation:</u>			
5	Composite Book Depreciation Rate	3.38%	3.38%	3.38%
6	Tax Depreciation Rate	44.66%	4.15%	3.84%
7				
8	Tax Depreciation	\$5,805,313	\$539,620	\$499,106
9	Cumulative Tax Depreciation	\$5,805,313	\$6,344,933	\$6,844,039
10				
11	Book Depreciation	\$219,700	\$439,400	\$439,400
12	Cumulative Book Depreciation	\$219,700	\$659,100	\$1,098,500
13				
14	Cumulative Book / Tax Timer	\$5,585,613	\$5,685,833	\$5,745,539
15	Effective Tax Rate	35.00%	35.00%	35.00%
16	Deferred Tax Reserve	\$1,954,965	\$1,990,042	\$2,010,939
17				
18	<u>Rate Base Calculation:</u>			
19	Cumulative Incremental Capital Included in Rate Base	\$13,000,000	13,000,000	13,000,000
20	Accumulated Depreciation	(\$219,700)	(\$659,100)	(\$1,098,500)
21	Deferred Tax Reserve	(\$1,954,965)	(\$1,990,042)	(\$2,010,939)
22	Year End Rate Base	\$10,825,335	\$10,350,858	\$9,890,561