

September 7, 2016

VIA ELECTRONIC FILING

Honorable Kathleen H. Burgess
Secretary
New York State Public Service Commission
Three Empire State Plaza
Albany, New York 12223-1350

Re: Case 16-G-0058 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of KeySpan Gas East Corporation d/b/a National Grid for Gas Service

Case 16-G-0059 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of The Brooklyn Union Gas Company d/b/a National Grid NY for Gas Service

Case 14-G-0091 – In the Matter of the Acts and Practices of The Brooklyn Union Gas Company d/b/a National Grid NY and KeySpan Gas East Corporation d/b/a National Grid Regarding Billing of Each Company’s SC No. 2 Customers from March 2008 to March 2014

Case 14-G-0503 – Petition for Approval, Pursuant to Public Service Law, Section 113(2), of a Proposed Allocation of Certain Tax Refunds between KeySpan Gas East Corporation d/b/a National Grid and Ratepayers

Case 13-G-0498 – Petition for Approval, Pursuant to Public Service Law, Section 113(2), of a Proposed Allocation of Certain Tax Refunds between KeySpan Gas East Corporation d/b/a National Grid and Ratepayers

Case 12-G-0544 – In the Matter of the Commission’s Examination of The Brooklyn Union Gas Company d/b/a National Grid NY’s Earnings Computation Provisions and Other Continuing Elements of the Applicable Rate Plan

Case 11-G-0601 – Petition for Approval, Pursuant to Public Service Law, Section 113(2), of a Proposed Allocation of Certain Tax Refunds between KeySpan Gas East Corporation d/b/a National Grid and Ratepayers

Dear Secretary Burgess:

The Brooklyn Union Gas Company d/b/a National Grid NY (“KEDNY”) and KeySpan Gas East Corporation d/b/a National Grid (“KEDLI”) (collectively, the “Companies”) submit for filing

the attached Joint Proposal that memorializes the settlement agreement among the Companies, Department of Public Service Staff, the City of New York, Environmental Defense Fund, BBPC, LLC d/b/a Great Eastern Energy, Direct Energy Services, LLC, Consumer Power Advocates, Estates NY Real Estate Services LLC, and Spring Creek Towers with respect to the above captioned matters.

Customer bill impact tables are contained in Appendix 3, Schedules 5.1 to 5.3 (KEDNY) and Appendix 4, Schedules 5.1 to 5.3 (KEDLI) of the Joint Proposal. A summary of the Joint Proposal is also attached per the *Notice of Procedural Conference* issued August 29, 2016.

Should you have any questions, please do not hesitate to contact me. Thank you for your time and attention.

Respectfully submitted,

Catherine L. Nesser

Catherine L. Nesser

Attachments

cc: Administrative Law Judge David R. Van Ort
Party Lists

NEW YORK STATE PUBLIC SERVICE COMMISSION

CASE 16-G-0058

**PROCEEDING ON MOTION OF THE COMMISSION AS TO THE RATES,
CHARGES, RULES AND REGULATIONS OF KEYSpan GAS EAST
CORPORATION D/B/A NATIONAL GRID FOR GAS SERVICE**

CASE 16-G-0059

**PROCEEDING ON MOTION OF THE COMMISSION AS TO THE RATES,
CHARGES, RULES AND REGULATIONS OF THE BROOKLYN UNION GAS
COMPANY D/B/A NATIONAL GRID NY FOR GAS SERVICE**

JOINT PROPOSAL

By and Among:

**The Brooklyn Union Gas Company d/b/a National Grid NY
KeySpan Gas East Corporation d/b/a National Grid
Department of Public Service Staff
The City of New York
Environmental Defense Fund
BBPC, LLC d/b/a Great Eastern Energy
Direct Energy Services, LLC
Consumer Power Advocates
Estates NY Real Estate Services LLC
Spring Creek Towers**

Dated: September 7, 2016

Table of Contents

I.	Procedural Background	2
II.	Overall Framework.....	5
III.	Definitions	6
IV.	KEDNY Rate Plan.....	6
	1. Effective Date and Term.....	6
	2. Revenue Requirements	6
	2.1 KEDNY Rate Plan Revenue Requirements	6
	2.2 Levelization of Rate Increase.....	8
	2.3 Make Whole Provision	8
	3. Revenue Allocation and Rate Design	9
	3.1 Revenue Forecast	9
	3.2 Revenue Allocation.....	9
	3.3 Rate Design – Firm Service Classifications.....	10
	3.4 Rate Design – Temperature Controlled and Interruptible Services	10
	3.5 MFC	10
	3.6 Lost and Unaccounted for Gas.....	11
	3.6.1 Targets and Deadbands	11
	3.6.2 New York Facilities System LAUF	12
	3.6.3 Inactive Accounts Adjustment.....	12
	3.7 Paperless Billing Credit	13
	3.8 Weather Normalization Adjustment	13
	3.9 SC 2 Refunds	13
	3.10 Revenue Decoupling Mechanism	14
	3.11 Tariff Modifications.....	14
	3.11.1 GAC Reconciliation.....	14
	3.11.2 Gas Tariff Provisions	15
	3.11.3 TC/IT System Upgrade Charges	15
	3.11.4 Consolidated Billing Charge.....	15
	3.11.5 Service Classification Changes.....	15
	3.11.6 Gas Tariff Fees and Charges.....	16
	3.12 Typical Bill Information	16
	4. Computation and Disposition of Excess Earnings.....	16
	4.1 Earnings Report	16
	4.2 Discrete Incentives and Revenue Adjustments.....	17
	4.3 Earnings Sharing Mechanism	17
	4.3.1 Sharing > 9.5% and ≤ 10.0%	17
	4.3.2 Sharing > 10.0% and ≤ 10.5%	17
	4.3.3 Sharing > 10.5%	17
	5. Capital Investment Levels and O&M Programs	18
	5.1 Capital Investment Levels.....	18
	5.2 Leak Prone Pipe Risk Ranking Algorithm.....	18
	5.3 CISBOT and Pipe Lining.....	19
	5.4 LPP Productivity Incentive.....	19
	5.5 Gas Safety and Reliability Surcharge	20

5.5.1	Recovery of Incremental LPP Replacement Costs	21
5.5.2	Recovery of Incremental Leak Repair Costs	21
5.5.3	Gas Safety and Reliability Surcharge Calculation	22
5.6	Newtown Creek Project	22
5.7	Capitalization Policies	23
5.7.1	Corrosion Control Activities	23
5.7.2	In-Line Inspections	24
5.8	EDF – Methane Leak Pilot Programs	24
5.9	Roadwork and Traffic Violations	24
5.10	Inside Meter Relocations	26
5.11	Gas Safety Items	26
5.11.1	First Responder Training	26
5.11.2	Residential Methane Detection Pilot	27
5.11.3	Room Set Meter Pilot.....	27
5.11.4	Damage Prevention Ticket System.....	27
6.	Reconciliations, Deferrals, and True-Ups.....	28
6.1	Existing Reconciliations, Deferrals, and True-Ups	28
6.1.1	Pension and Other Post-Employment Expenses	29
6.1.2	Low Income Discount Program	29
6.1.3	Exogenous Costs.....	30
6.1.4	SIR Expense.....	32
6.1.5	Property and Special Franchise Taxes	33
6.1.6	Negative or Positive Revenue Adjustments.....	34
6.1.7	TC and IT Services	34
6.1.8	Electric Generator Revenues.....	35
6.1.9	Economic Development Grant Programs	35
6.1.10	RDM	35
6.1.11	Continuing Gas Reconciliation Mechanisms.....	35
6.2	New Reconciliations, Deferrals, and True-Ups	36
6.2.1	Net Utility Plant and Depreciation Expense Reconciliation Mechanism	37
6.2.2	City/State Construction.....	38
6.2.3	Automatic Uploads to EPA Portfolio Manager	39
6.2.4	Room Set Meter Pilot.....	39
6.2.5	Variable Pay.....	39
6.2.6	Customer Conversion Rebate Program.....	40
6.2.7	Third-Party Payment Center Processing Fees.....	40
6.2.8	Variable Rate Debt True-Up.....	40
6.2.9	Long Term Debt Tenor True-Up	41
6.2.10	New Hire True-Up	41
6.3	Additional Reconciliations, Deferrals, True-Ups	42
7.	Customer Service Quality Program	42
7.1	PSC Complaint Rate	42
7.2	Customer Satisfaction	44
7.3	Telephone Answer Response within 30 Seconds	45
7.4	Adjusted Customer Bills	45
7.5	Reporting.....	46

7.6	Tripling and Quadrupling Provisions.....	47
7.7	Service Guarantee	47
7.8	Termination and Uncollectible Incentive.....	47
8.	Gas Safety Performance Metrics	48
8.1	LPP Removal Metric.....	49
8.1.1	Annual LPP Removal	49
8.1.2	LPP Removal Incentive	49
8.2	Leak Management.....	50
8.2.1	Leak Backlog Metrics	50
8.2.2	Leak Repair Incentive.....	50
8.2.3	Year-End Leak Reporting.....	51
8.3	Damage Prevention.....	51
8.4	Emergency Response.....	52
8.5	Gas Safety Regulations Performance Metric.....	53
8.6	CYs 2013 and 2014 Metric Results	55
8.7	Gas Safety Reporting and Exceptions.....	56
9.	Customer Programs.....	56
9.1	Low Income Discount Program.....	56
9.1.1	Eligibility	56
9.1.2	Benefit Levels	57
9.1.3	Program Costs.....	58
9.1.4	On Track Program.....	58
9.2	Economic Development Grant Programs	58
9.3	Customer Conversion Rebate Program.....	59
9.4	Growth Incentive	59
9.5	Natural Gas Vehicles	60
9.6	Third-Party Payment Center Processing Fees.....	60
V.	KEDLI Rate Plan.....	61
1.	Effective Date and Term.....	61
2.	Revenue Requirements	61
2.1	KEDLI Rate Plan Revenue Requirements.....	61
2.2	Levelization of Rate Increase.....	63
2.3	Make Whole Provision	63
3.	Revenue Allocation and Rate Design	64
3.1	Revenue Forecast.....	64
3.2	Revenue Allocation.....	64
3.3	Rate Design – Firm Service Classifications.....	64
3.4	Rate Design – TC and IT Services.....	64
3.5	MFC	65
3.6	LAUF	66
3.6.1	Targets and Deadbands	66
3.6.2	NYFS LAUF.....	66
3.6.3	Inactive Accounts Adjustment.....	66
3.7	Paperless Billing Credit	67
3.8	Weather Normalization Adjustment	67
3.9	Brooklyn Navy Yard Cogeneration Partners Revenues.....	67

3.10	RDM	68
3.11	Tariff Modifications	68
3.11.1	GAC Reconciliation	68
3.11.2	Gas Tariff Provisions	68
3.11.3	TC/IT System Upgrade Charges	69
3.11.4	Consolidated Billing Charge	69
3.11.5	Service Classification Changes	69
3.11.6	Gas Tariff Fees and Charges	70
3.12	Typical Bill Information	70
4.	Computation and Disposition of Excess Earnings	70
4.1	Earnings Report	70
4.2	Discrete Incentives and Revenue Adjustments	71
4.3	Earnings Sharing Mechanism	71
4.3.1	Sharing > 9.5% and ≤ 10.0%	71
4.3.2	Sharing > 10.0% and ≤ 10.5%	71
4.3.3	Sharing > 10.5%	72
5.	Capital Investment Levels and O&M Programs	72
5.1	Capital Investment Levels	72
5.2	LPP Risk Ranking Algorithm	73
5.3	Pipe Lining	73
5.4	LPP Productivity Incentive	73
5.5	Gas Safety and Reliability Surcharge	74
5.5.1	Recovery of Incremental LPP Replacement Costs	75
5.5.2	Recovery of Incremental Leak Repair Costs	75
5.5.3	Gas Safety and Reliability Surcharge Calculation	76
5.6	Capitalization Policies	76
5.6.1	Corrosion Control Activities	76
5.6.2	In-Line Inspections	77
5.7	EDF – Methane Leak Pilot Programs	77
5.8	Inside Meter Relocations	78
5.9	First Responder Training	78
6.	Reconciliations, Deferrals, and True-Ups	79
6.1	Existing Reconciliations, Deferrals, and True-Ups	79
6.1.1	Pension and OPEB Expenses	79
6.1.2	Low Income Discount Program	80
6.1.3	Exogenous Costs	81
6.1.4	SIR Expense	82
6.1.5	Property and Special Franchise Taxes	83
6.1.6	Negative or Positive Revenue Adjustments	84
6.1.7	TC and IT Services	84
6.1.8	Electric Generator Revenues	85
6.1.9	Economic Development Grant Programs	85
6.1.10	RDM	86
6.1.11	Continuing Gas Reconciliation Mechanisms	86
6.2	New Reconciliations, Deferrals, and True-Ups	87
6.2.1	Net Utility Plant and Depreciation Expense Reconciliation Mechanism	87

6.2.2	City/State Construction	88
6.2.3	Automatic Uploads to EPA Portfolio Manager	89
6.2.4	Variable Pay	90
6.2.5	Residential Customer Conversion Rebate Program	90
6.2.6	New Hire True-Up	90
6.3	Additional Reconciliations, Deferrals, True-Ups	91
7.	Customer Service Quality Program	91
7.1	PSC Complaint Rate	91
7.2	Customer Satisfaction	93
7.3	Telephone Answer Response within 30 Seconds	94
7.4	Adjusted Customer Bills	94
7.5	Reporting	95
7.6	Tripling and Quadrupling Provisions	95
7.7	Service Guarantee	96
7.8	Termination and Uncollectible Incentive	96
8.	Gas Safety Performance Metrics	96
8.1	LPP Removal Metric	97
8.1.1	Annual LPP Removal	97
8.1.2	LPP Removal Incentive	98
8.2	Leak Management	99
8.2.1	Leak Backlog Metrics	99
8.2.2	Leak Repair Incentive	99
8.2.3	Year-End Leak Reporting	100
8.3	Damage Prevention	100
8.4	Emergency Response	101
8.5	Gas Safety Regulations Performance Metric	101
8.6	Gas Safety Reporting and Exceptions	103
9.	Customer Programs	104
9.1	Low Income Discount Program	104
9.1.1	Eligibility	104
9.1.2	Benefit Levels	104
9.1.3	Program Costs	105
9.1.4	On Track Program	105
9.2	EmPower Replacement Program – Energy Efficiency	106
9.3	Economic Development Grant Programs	106
9.4	Residential Customer Conversion Rebate Program	107
9.5	Neighborhood Expansion Program	107
9.6	Growth Incentive	107
9.7	NGVs	108
9.8	Third-Party Payment Center Processing Fees	108
9.9	KEDLI Geothermal Pilot	109
VI.	Miscellaneous Provisions	109
1.	Workforce Management Plans	109
2.	KEDNY and KEDLI Pension and OPEB Regulatory Asset	109
3.	Automatic Uploads to EPA Portfolio Manager	110
4.	Installation of AMR Meters in CNY	110

5. National Grid’s New York State Call Centers	111
6. Service Applications	111
7. Credit and Collections Outreach and Education Efforts	111
8. ESCO Issues.....	111
8.1 Balancing Charges and Penalties	111
8.2 Allocation of the Proceeds of Asset Management Agreements Related to Storage Service	112
8.3 ESCO Collaborative.....	112
9. Power Generation Issues.....	114
9.1 Designation of Certain Balancing Charges as Penalties	114
9.2 Balancing Provision Modifications.....	115
9.3 Power Generation Collaborative.....	117
10. Non-Firm Service Issues	119
10.1 TC Moratorium	119
10.2 Alternate Fuel Affidavit for TC and IT Customers	119
10.3 Recognition of Case 15-G-0185	120
10.4 Peaking Costs in the TC Demand Rates	120
10.5 TC/IT Modifications	121
10.6 Use of Firm Storage Released to ESCOs for Non-Firm Customers.....	122
10.7 IT/TC Collaborative.....	122
11. Research and Development Reporting.....	122
12. Interconnection Agreements	123
13. Reforming the Energy Vision Demonstration Projects	124
14. Outreach and Education Plan.....	124
15. Capital Reporting Requirements	124
15.1 LPP, Type 3 Leak Prioritization, and Capital Plan Report.....	124
15.2 Quarterly Capital Reporting.....	125
15.3 Annual Capital Reporting	125
16. Inactive Accounts.....	126
17. Filing for New Rates.....	127
17.1 During the Term of the Rate Plans	127
17.2 Following the Term of the Rate Plans	129
18. Estates	130
19. ECOS Study to be Presented in Next Base Rate Cases	131
20. SC 2 Data	132
21. NYFS Costs	132
22. Corporate Structure and Affiliate Rules.....	132
23. Storm Hardening Collaborative	132
VII. Other Provisions	133
1. Submission to the Commission.....	133
2. Conditioned on Commission Adoption/ No Severability	133
3. Application of Agreement/No Precedent.....	134
4. Future Actions/ Dispute Resolution.....	134
5. Continuation.....	135
6. Extension.....	135
7. Entire Agreement	135

8. Counterparts 136

List of Appendices

<u>Appendix</u>	<u>Description</u>
1.	KEDNY Revenue Requirement and Support
2.	KEDLI Revenue Requirement and Support
3.	KEDNY Revenue Allocation and Rate Design
4.	KEDLI Revenue Allocation and Rate Design
5.	Earnings Report
6.	KEDNY Reconciliations, Deferrals, and True-Ups
7.	KEDLI Reconciliations, Deferrals, and True-Ups
8.	Storm Hardening Working Group Framework and Process
9.	List of Identified High Risk and Other Risk Pipeline Safety Regulations
10.	Power Generation/Non-Firm Cost/Rate Study
11.	IT/TC Collaborative Issues
12.	Corporate Structure and Affiliate Rules

**STATE OF NEW YORK
PUBLIC SERVICE COMMISSION**

**Case 16-G-0058– Proceeding on Motion of the
Commission as to the Rates, Charges, Rules and
Regulations of KeySpan Gas East Corporation
d/b/a National Grid for Gas Service**

**Case 16-G-0059– Proceeding on Motion of the
Commission as to the Rates, Charges, Rules and
Regulations of The Brooklyn Union Gas Company
d/b/a National Grid NY for Gas Service**

JOINT PROPOSAL

This Joint Proposal (“Joint Proposal”) is made this 7th day of September 2016, by and among The Brooklyn Union Gas Company d/b/a National Grid NY (“KEDNY”), KeySpan Gas East Corporation d/b/a National Grid (“KEDLI”) (KEDNY and KEDLI are collectively referred to as the “Companies”), New York State Department of Public Service Staff (“Staff”), the City of New York (“CNY”), Environmental Defense Fund (“EDF”), BBPC, LLC d/b/a Great Eastern Energy (“GEE”), Direct Energy Services, LLC (“Direct”), Consumer Power Advocates (“CPA”), Estates NY Real Estate Services LLC (“Estates”), and Spring Creek Towers¹ (collectively, the “Signatory Parties”).²

This Joint Proposal establishes a three year rate plan for both KEDNY and KEDLI and either resolves or establishes a framework for resolving all issues raised in Cases 16-G-0058 and 16-G-0059 (“Rate Cases”). Additionally, this Joint Proposal

¹ In addition, the Long Island Power Authority and the Utility Intervention Unit of the New York State Department of State’s Division of Consumer Protection, while not signing this Joint Proposal, have stated that they will not oppose it.

² The parties included on the parties list maintained by the New York State Public Service Commission (“Commission”) in these proceedings are referred to as “active parties.”

resolves all issues raised in Cases 11-G-0601,³ 13-G-0498,⁴ and 14-G-0503⁵ (“Property Tax Refund Petitions”), Case 14-G-0091 (“SC 2 Refund Case”),⁶ and Case 12-G-0544 (“Gas Safety Metric Petition”).⁷

I. Procedural Background

1. Rate Cases

On January 29, 2016, KEDNY and KEDLI filed tariff leaves and supporting testimony and exhibits for new rates and charges for gas service to be effective January 1, 2017.⁸ The new tariffs were designed to increase gas delivery revenues by approximately \$245 million for KEDNY and \$142 million for KEDLI. If adjusted to reflect a change in Merchant Function Charge (“MFC”) revenues, the inclusion of Low Income Discount Program costs in base rates, and a shift of recovery of the Site Investigation and Remediation (“SIR”) deferral amortization from a surcharge to base rates, the resultant increase in gas delivery revenues would have been approximately \$321 million and \$191 million for KEDNY and KEDLI, respectively.⁹

³ Case 11-G-0601, Petition for Approval, Pursuant to Public Service Law Section 113(2) of a Proposed Allocation of Certain Tax Refunds between KeySpan Gas East Corp. d/b/a National Grid and Ratepayers.

⁴ Case 13-G-0498, Petition for Approval, Pursuant to Public Service Law, Section 113(2), of a Proposed Allocation of Certain Tax Refunds between KeySpan Gas East Corp. d/b/a National Grid and Ratepayers.

⁵ Case 14-G-0503, Petition for Approval, Pursuant to Public Service Law, Section 113(2), of a Proposed Allocation of Certain Tax Refunds between KeySpan Gas East Corp. d/b/a National Grid and Ratepayers.

⁶ Case 14-G-0091, In the Matter of the Acts and Practices of The Brooklyn Union Gas Company d/b/a National Grid NY and KeySpan Gas East Corporation d/b/a National Grid Regarding Billing of Each Company’s SC No. 2 Customers from March 2008 to March 2014.

⁷ Case 12-G-0544 – The Brooklyn Union Gas Company d/b/a National Grid NY Petition to Modify the Gas Safety Violations Metric.

⁸ On February 17 and June 7, 2016, the Commission issued Orders suspending the effective date of KEDNY and KEDLI’s new rates until December 28, 2016.

⁹ Staff Policy Panel testimony at 5-8.

An administrative law judge was appointed to conduct the proceedings and review KEDNY and KEDLI's rate filings. The active parties engaged in extensive discovery throughout the proceedings, with KEDNY and KEDLI responding to over 1,200 information requests. On February 29, 2016, a procedural conference was held. The procedural conference was immediately followed by a technical presentation by KEDNY and KEDLI that discussed various aspects of the filings.

On March 11, 2016, the administrative law judge issued a *Ruling on Party Status and Schedule* that provided dates for certain activities in the cases, including parties' initial and rebuttal testimony and hearings.

KEDNY and KEDLI filed corrections and updates testimony and exhibits on April 4, 2016. Thereafter, on May 20, 2016, 12 parties, including Staff, filed testimony and exhibits. On June 10, 2016, KEDNY and KEDLI filed rebuttal testimony and exhibits, along with five other parties.

2. Property Tax Refund Petitions

On November 2, 2011, November 4, 2013, and November 20, 2014, KEDLI filed Notices of Tax Refunds and Proposed Methods of Dispositions in Cases 11-G-0601, 13-G-0498, and 14-G-0503, respectively. In its filings, KEDLI provided notice of tax refunds received from various municipalities and taxing districts on Long Island, totaling approximately \$24.5 million, as well as proposals to dispose of those refunds.

3. SC 2 Refund Cases

On October 27, 2014, the Commission issued an Order in Case 14-G-0091, finding that KEDNY and KEDLI had improperly implemented provisions in their tariffs for designating Service Class ("SC") 2 non-residential gas customers as heating or non-

heating. The Commission directed the Companies to refund, with interest, those customers who were incorrectly charged a more expensive heating rate for each 12 month period between March 2008 and March 2014. KEDLI issued refunds to its customers in December 2015. On December 26, 2014, KEDNY filed a letter with the Commission proposing a proxy method to identify and refund customers during the period from March 2008 through March 2012.

4. Gas Safety Metric Petition

On July 15, 2016, KEDNY filed a petition in Case 12-G-0544 to modify its existing Gas Safety Violations Metric. The proposal would modify, *inter alia*, the assessment of the negative revenue adjustments resulting from the operation of the metric in calendar years (“CYs”) 2013 and 2014.

5. The Settlement Process

On May 31, 2016, KEDNY and KEDLI notified the active parties of the commencement of settlement negotiations pursuant to the Commission’s settlement procedures set forth in 16 NYCRR § 3.9 and filed a formal notice of impending settlement negotiations with the Secretary. Settlement negotiations were held on June 14, 17, 22-24, 27, and 29-30, July 6, 12-15, and 20-21, and August 16-17. All settlement conferences were duly noticed to the active parties and held in person or via telephone conference. In person conferences included the option to participate via telephone. To facilitate settlement discussions and allow time to finalize this Joint Proposal, on June 17 and July 21, 2016, KEDNY and KEDLI filed proposals to extend the suspension period through February 28, 2017, subject to a make whole that would assure the Companies

were restored to the same financial position they would have been in had there been no extension and new rates went into effect on January 1, 2017.

This Joint Proposal is the product of the active parties' settlement negotiations and was developed pursuant to, and in accordance with, the Commission's settlement procedures. The Signatory Parties believe that this Joint Proposal will satisfy the requirements of Public Service Law § 65(1) that KEDNY and KEDLI provide safe and adequate service at just and reasonable rates.

II. Overall Framework

The Signatory Parties have developed a comprehensive set of terms and conditions for a three year rate plan for KEDNY and KEDLI. The terms and conditions of the rate plans are set forth below and in the attached Appendices. KEDNY's rate plan is set forth first, followed by KEDLI's rate plan. Certain provisions that are common to both rate plans are discussed together in subsequent sections. Specifically, the Joint Proposal addresses the following topics:

1. Effective Date and Term;
2. Revenue Requirements;
3. Revenue Allocation and Rate Design;
4. Computation and Disposition of Excess Earnings;
5. Capital Investment Levels and Operation and Maintenance ("O&M") Programs;
6. Reconciliations/Deferrals/True-ups;
7. Customer Service Quality Programs;
8. Gas Safety Performance Metrics;

9. Customer Programs;
10. Miscellaneous Provisions; and
11. Other Provisions.

III. Definitions

“Effective Date” means January 1, 2017 or such other date as the Commission may determine.

“Rate Year One” means January 1, 2017 through December 31, 2017.

“Rate Year Two” means January 1, 2018 through December 31, 2018.

“Rate Year Three” means January 1, 2019 through December 31, 2019.

The three rate years are collectively referred to herein as “Rate Years” and individually as “Rate Year.”

IV. KEDNY Rate Plan

1. Effective Date and Term

The term of KEDNY’s rate plan is three years, beginning January 1, 2017 and continuing through December 31, 2019 (“KEDNY Rate Plan”). For administrative reasons, certain targets and mechanisms are measured based on different 12 month periods, as provided herein.

2. Revenue Requirements

2.1 KEDNY Rate Plan Revenue Requirements

This Joint Proposal provides for a Rate Year One revenue requirement increase of \$272.090 million, a Rate Year Two increase of \$41.022 million, and a Rate Year Three

increase of \$48.915 million for firm and non-firm customers. The components of the revenue requirement are set forth in Appendix 1, Schedule 1. The revenue requirement is based on the following parameters:

(a). A return on equity (“ROE”) of 9.0 percent for the term of the KEDNY Rate Plan.

(b). The interest rates for new long term debt issuances projected to occur in Rate Years One, Two, and Three were determined as of August 2, 2016.

(c). A capital structure and overall cost of capital consisting of the following components and cost rates:

Rate Year One

	% of Capital	Annual Cost	Weighted Cost After Tax	Weighted Cost Pre Tax¹⁰
Long Term Debt	51.18%	3.55%	1.82%	1.82%
Customer Deposits	0.82%	0.85%	0.01%	0.01%
Common Equity	48.00%	9.00%	4.32%	7.25%
Total	100.00%		6.15%	9.08%

Rate Year Two

	% of Capital	Annual Cost	Weighted Cost After Tax	Weighted Cost Pre Tax
Long Term Debt	51.28%	3.55%	1.82%	1.82%
Customer Deposits	0.72%	0.85%	0.01%	0.01%
Common Equity	48.00%	9.00%	4.32%	7.25%
Total	100.00%		6.15%	9.08%

¹⁰ Weighted average costs of capital include the MTA tax.

Rate Year Three

	% of Capital	Annual Cost	Weighted Cost After Tax	Weighted Cost Pre Tax
Long Term Debt	51.34%	3.55%	1.82%	1.82%
Customer Deposits	0.66%	0.85%	0.01%	0.01%
Common Equity	48.00%	9.00%	4.32%	7.25%
Total	100.00%		6.15%	9.08%

(d). A Rate Year One rate base of \$2.952 billion, a Rate Year Two rate base of \$3.307 billion, and a Rate Year Three rate base of \$3.731 billion.

(e). KEDNY's gas transmission, distribution, and general plant depreciation rates as updated and set forth in Appendix 1, Schedule 2.

2.2 Levelization of Rate Increase

The Signatory Parties propose that the base rate increases be implemented on a levelized percentage basis to provide rate stability to customers over the term of the KEDNY Rate Plan. The annual levelized revenue changes are set forth in Appendix 1, Schedule 3. The levelized amounts were calculated using a carrying charge rate equal to the sum of 50 percent of National Grid USA's money pool borrowing rate and 50 percent of KEDNY's after tax weighted average cost of capital as set forth above.

2.3 Make Whole Provision

To the extent Commission approval of this Joint Proposal occurs after January 1, 2017, KEDNY will recover the revenue shortfall resulting from the extension of the suspension period through a make whole provision. The make whole provision is designed to ensure that by December 31, 2017 KEDNY is restored to the same financial position it would have been in had rates gone into effect on January 1, 2017.

KEDNY will calculate any revenue adjustments as the difference between (i) sales revenues KEDNY would have billed at new rates during the extension of the suspension period and (ii) the same level of sales revenue at current rates. The revenue adjustments will include all applicable surcharges and carrying charges and be subject to reconciliation in accordance with all applicable adjustment mechanisms (including revenue decoupling, where applicable). Financial true-up targets established in this Joint Proposal, as well as depreciation and amortization expense, will be applied to the extension of the suspension period. All accounting/ratemaking will be in accordance with this Joint Proposal and be effective as of January 1, 2017. An example of the make whole calculation is set forth in Appendix 1, Schedule 4.

3. Revenue Allocation and Rate Design

3.1 Revenue Forecast

KEDNY's revenue forecast at current rates is set forth in Appendix 3, Schedule 1. The delivery rate revenue forecast used to develop base rates and the reconciliation to total gas Operating Revenue for the Rate Years is set forth in Appendix 3, Schedule 1.1.

3.2 Revenue Allocation

The Rate Year One revenue increase will be allocated to all firm service classifications except SC 1B-DG, SC 17-1B-DG, SC 17-21, and SC 21 to achieve a distribution rate increase on a pro rata basis proportionate to delivery revenues as set forth on Appendix 3, Schedule 2. Revenue increases in Rate Years Two and Three will be allocated in a similar manner as set forth on Appendix 3, Schedule 3.

3.3 Rate Design – Firm Service Classifications

As set forth in Appendix 3, Schedules 4.1 through 4.3, in each Rate Year, within each firm service classification, each rate block will receive an equal percentage increase. Appendix 3, Schedules 4.1 through 4.3 also identifies the minimum charge rates for each firm service classification. Bill impacts resulting from this rate design are shown in Appendix 3, Schedules 5.1 through 5.3.

3.4 Rate Design – Temperature Controlled and Interruptible Services

KEDNY's existing Temperature Controlled ("TC") and Interruptible ("IT") Services' rate design will be modified as follows and as shown in Appendix 3, Schedule 6:

- (a). TC and IT volumetric delivery rates will be set at the otherwise applicable rate class tail block rate;
- (b). The demand charge applicable to TC sales customers is set forth in Appendix 3, Schedule 9. There is no demand charge for IT customers.
- (c). TC and IT customers will be assessed the Billing Charge; and
- (d). TC and IT sales customers will be assessed the MFC.

3.5 MFC

KEDNY's MFC will be modified as follows:

- (a). the methodology for calculating commodity-related uncollectible account expense will be aligned with the methodology adopted by the Commission for Niagara Mohawk Power Corporation d/b/a National Grid ("NMPC") in Case 08-G-0609, such

that the commodity-related uncollectible account expense component of the MFC will be calculated each month by multiplying the uncollectible rate of 1.0571 percent by the Monthly Cost of Gas as set forth in the Gas Adjustment Charge (“GAC”);

(b). the methodology for calculating commodity-related working capital expense will be aligned with the methodology adopted by the Commission for NMPC in Case 08-G-0609, such that the working capital component of the MFC will be calculated each month by multiplying the lead/lag rate of 8.79 percent by the pre-tax weighted average cost of capital and further multiplying that product by the per therm Monthly Cost of Gas as set forth in the GAC Statement;

(c). the return requirement on gas in storage inventory, which utilizes the authorized pre-tax weighted average cost of capital in each Rate Year, will be modified to account for the change in the treatment of storage under KEDNY’s retail access program;

(d). the MFC calculation will be modified to add TC and IT sales customers’ therms into the MFC calculation; and

(e). the MFC annual expense targets will be established and recorded on the same basis as the GAC – September 1 through August 31. KEDNY will reconcile the period from January 1 through August 31, 2017 to account for the time between the current reconciliation and the new Rate Year One reconciliation period. Appendix 3, Schedule 7.1 sets forth the reconciliation.

3.6 Lost and Unaccounted for Gas

3.6.1 Targets and Deadbands

The Lost and Unaccounted for Gas (“LAUF”) targets and deadbands are as follows:

KEDNY	2017	2018	2019
LAUF Target	2.273%	1.902%	1.530%
Upper Band	3.273%	2.676%	2.079%
Lower Band	1.273%	1.127%	0.981%

3.6.2 New York Facilities System LAUF

KEDNY and KEDLI agree that a positive LAUF factor is reasonable for gas transported through the New York Facilities System (“NYFS”) and will use commercially reasonable efforts to negotiate with Consolidated Edison Company of New York, Inc. (“Con Edison”) for an appropriate LAUF gas factor on all volumes transported through the NYFS such that the net receiver of gas through the NYFS will be charged a LAUF contribution. NYFS costs are addressed in Section VI.21.

3.6.3 Inactive Accounts Adjustment

Beginning September 1, 2017, KEDNY will remove from the LAUF calculation an estimate of gas usage associated with meters that have been “inactive” for more than 90 days. Inactive meters are those that are not associated with an active customer account. To estimate usage, KEDNY will develop usage proxies that will be applied to meters that were inactive 90 days or more during each GAC period beginning September 1, 2017. To determine the proxies, KEDNY will calculate a monthly class-average use on inactive meters that continue to report consumption during the GAC year. The applicable historic reference proxy will be applied to each meter that is inactive 90 days or more to determine the amount of gas to be excluded from the LAUF calculation.

3.7 Paperless Billing Credit

KEDNY will implement a paperless billing credit of \$0.49 per service period for all customers who receive their bill electronically. During the term of the KEDNY Rate Plan, KEDNY may make a tariff filing to change this credit to reflect changes in its electronic billing options and propose a methodology to deal with the change in costs.

3.8 Weather Normalization Adjustment

KEDNY's Weather Normalization Adjustment will be modified to eliminate the deadband for SC 2 and SC 3 because these classes will have an RDM. In addition, KEDNY will post information on its website that will provide customers information as to how the Weather Normalization Adjustment factor is calculated. The posted information will include the class base load factor, degree day factor, margin, and actual and normal degree days. In addition, customers may contact KEDNY's call center for further assistance.

3.9 SC 2 Refunds

Within 120 days of the Effective Date, KEDNY will provide SC 2 customers with a one-time credit of \$6 million. The credit will apply to active SC 2 accounts that (i) had a start date prior to April 1, 2014 and (ii) were classified as heating customers at any point between April 1, 2008 and March 31, 2014. The amount of the credit will be allocated to qualifying customers based on their total eligible usage (usage per day times the number of days during the subject period they were customers). This credit will resolve all issues in Case 14-G-0091.

3.10 Revenue Decoupling Mechanism

KEDNY's Revenue Decoupling Mechanism ("RDM") will be adjusted to reflect updated revenue-per-customer targets for SC 1B and to implement revenue-per-class RDMs for SC 2 and SC 3 that allow KEDNY to keep all revenues calculated at the marginal cost rates as set forth in the marginal cost study sponsored by KEDNY's Rate Design Panel from customer growth above the customer forecasts reflected in the Rate Years. KEDNY will exclude revenues obtained from TC and IT customers that migrate to SC 2 and SC 3 firm services. An example of the RDM calculation, including examples of the calculation for CY 2020 and the exclusion of revenues from TC and IT customers that migrate to SC 2 and SC 3 firm services, is set forth in Appendix 3, Schedules 8 through 8.4.

3.11 Tariff Modifications

3.11.1 GAC Reconciliation

KEDNY will modify its monthly cost of gas calculation to implement a common per therm gas fixed cost and common per therm fixed cost credit. KEDNY will determine the per dekatherm fixed gas cost for each service class grouping by allocating the fixed gas costs of the gas assets to the service class groupings proportionate to each service class groupings' estimated use of peak day, winter season, and annual gas as illustrated on Appendix 3, Schedule 9. Fixed cost credits will be allocated in the same manner as fixed gas costs.

3.11.2 Gas Tariff Provisions

KEDNY will be permitted to modify its monthly cost of gas imbalance adjustments to (i) expand the period that monthly imbalance surcharges or refunds take effect to include October 1 through July 31 and (ii) eliminate the \$0.05 per therm cap. KEDNY will also be permitted to include adjustments each March 1st to its currently effective annual cost of gas imbalance factor to include any residual gas cost imbalance, including simple interest, associated with the recovery of the prior year's annual cost of gas imbalance factor.

3.11.3 TC/IT System Upgrade Charges

KEDNY will amend its tariff to permit TC and IT customers upgrading to firm service to have the option to pay the costs of system upgrades assessed to the customers through a surcharge. The surcharge will be calculated in a manner generally consistent with KEDNY's main extension surcharge, including the calculation of carrying charges for the cost of system upgrades financed through the surcharge.

3.11.4 Consolidated Billing Charge

KEDNY's Consolidated Billing Charge will be increased from \$0.76 per bill to \$0.98 in Rate Year One, to \$1.20 in Rate Year Two, and to \$1.42 in Rate Year Three.

3.11.5 Service Classification Changes

KEDNY will (i) close SC 1BI-3-5 Family Residential Heating Conversion Sales Services and SC 17-1BI-3-5 Family Residential Heating Conversion Transportation Service to new customers, and (ii) terminate SC 14 - Natural Gas Vehicle Retail Sales Service.

3.11.6 Gas Tariff Fees and Charges

KEDNY will implement its updated Unproductive Field Visit Charge of \$38.60, Reconnection Fee at the meter of \$66.13, and Reconnection Fee at the street of \$300.00.

3.12 Typical Bill Information

KEDNY will post ten years of historic annual bill information on its website consisting of typical bills for SC-1, SC-2 and SC-3 customers, breaking out delivery, commodity, and surcharges. This information will be updated annually.

4. Computation and Disposition of Excess Earnings

4.1 Earnings Report

By May 31 of each year, commencing in 2018, KEDNY will file an earnings report using the methodology described in this Section and shown in Appendix 5, Schedule 1. The earnings report will be used for the Earnings Sharing Mechanism set forth in Section 4.3 below.

The earnings report will calculate KEDNY's ROE for the preceding Rate Year using a capital structure with an equity component equal to 48 percent and incorporating the adjustments set forth below. In the event of a partial or "stub" period, the earnings sharing threshold of greater than 9.5 percent will be prorated to develop a stub period earnings sharing threshold. The stub period will be calculated by adjusting the actual average rate base for that period by an operating income ratio factor. The operating income ratio factor will be calculated as the ratio of operating income during the same partial period in the previous Rate Year to the total operating income for that Rate Year. An example of the calculation for the stub period is shown in Appendix 5, Schedule 1.

4.2 Discrete Incentives and Revenue Adjustments

KEDNY will calculate its ROE by excluding the effects of discrete incentives and negative and positive revenue adjustments.

4.3 Earnings Sharing Mechanism

If KEDNY's actual ROE in any Rate Year, excluding discrete incentives and negative and positive revenue adjustments, exceeds 9.5 percent, the amount in excess of 9.5 percent will be deemed "shared earnings" for the purposes of this Joint Proposal and be treated as follows:

4.3.1 Sharing > 9.5% and ≤ 10.0%

If the level of earned ROE for KEDNY exceeds 9.5 percent but is less than or equal to 10.0 percent, 50 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 50 percent will be retained by KEDNY.

4.3.2 Sharing > 10.0% and ≤ 10.5%

If the level of earned ROE for KEDNY exceeds 10.0 percent but is less than or equal to 10.5 percent, 75 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 25 percent will be retained by KEDNY.

4.3.3 Sharing > 10.5%

If the level of earned ROE for KEDNY exceeds 10.5 percent, 90 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 10 percent will be retained by KEDNY.

The Earnings Sharing Mechanism will be modified if KEDNY does not file for new rates to be effective on or before July 1, 2020, as set forth in Section VI.17.2.

5. Capital Investment Levels and O&M Programs

5.1 Capital Investment Levels

KEDNY's capital investment levels underlying the rates in this Joint Proposal (including cost of removal) are as follows:

Segment	CY16	RY1	RY2	RY3
Mandated	252,558,195	356,984,703	375,583,685	396,032,978
Reliability	89,931,720	90,006,573	121,065,220	100,355,423
Growth	118,627,395	133,180,474	135,563,640	131,944,447
Non-Infrastructure	16,287,014	16,345,528	17,635,535	17,506,683
Customer Facilities	3,000,000	3,000,000	3,100,000	3,200,000
Fleet & IM-IR	271,825	2,585,000	670,000	620,000
Total	480,676,149	602,891,790	653,618,080	649,659,531

Appendix 1, Schedule 5 sets forth KEDNY's forecast level of capital investment by program for each Rate Year, as well as CY 20. Notwithstanding the specified segment-level spending amounts, nothing in this Joint Proposal is intended to limit KEDNY's flexibility during the term of the KEDNY Rate Plan to substitute, change, or modify its capital projects.

5.2 Leak Prone Pipe Risk Ranking Algorithm

KEDNY will use its risk based prioritization algorithm to identify and rank segments of leak prone pipe ("LPP") to be removed from service. Beginning with LPP replacements performed in Rate Year Two, KEDNY will apply its risk ranking algorithms such that, where LPP segments have equal risk rankings, priority will be given

to removing LPP in designated flood zones (based on the 2015 Federal Emergency Management Agency’s (“FEMA”) preliminary flood insurance rate maps for New York City for the one percent annual chance flood event (*e.g.*, 1 in a 100 year flood). KEDNY will also consider methane emission flow rate data (*i.e.*, volume of methane emissions released over time) as a factor in prioritizing LPP segments for removal.

5.3 CISBOT and Pipe Lining

KEDNY’s capital program includes programs to (i) deploy the Cast Iron Joint Sealing Robot (“CISBOT”) to seal joints on cast iron mains and (ii) utilize cured-in-place (“CIP”) pipe lining to recondition large diameter cast iron and steel mains. Any LPP main segments treated with CISBOT or CIP lining will remain in KEDNY’s LPP inventory.

5.4 LPP Productivity Incentive

KEDNY’s rates reflect the following unit costs (exclusive of associated O&M expense) for LPP replacements: CY17 - \$627/foot, CY18 - \$658/foot, and CY19- \$674/foot. If KEDNY achieves unit cost savings for LPP replacements in a Rate Year as compared to the unit costs reflected in rates, it will accrue a positive revenue adjustment as follows:

KEDNY	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost Savings (%)	0 to < 1.50	≥ 1.50 to < 3.00	≥ 3.00 to < 4.50	≥ 4.50 to < 6.00	≥ 6.00 to < 7.50	≥ 7.50
Unit Cost CY17	\$627 to > \$618	≤ \$618 to > \$608	≤ \$608 to > \$599	≤ \$599 to > \$589	≤ \$589 to > \$580	≤ \$580
Unit Cost CY18	\$658 to > \$648	≤ \$648 to > \$638	≤ \$638 to > \$628	≤ \$628 to > \$619	≤ \$619 to > \$609	≤ \$609
Unit Cost CY19	\$674 to > 664	≤ \$664 to > \$654	≤ \$654 to > \$644	≤ \$644 to > \$634	≤ \$634 to > \$623	≤ \$623
Basis Points ¹¹	0	2	4	6	8	10

KEDNY’s eligibility for the LPP Productivity Incentive in each Rate Year is conditioned upon KEDNY removing, at a minimum, the Minimum Removal Target (see Section 8.1.1). Unit costs for purposes of the LPP Productivity Incentive will be calculated by dividing KEDNY’s actual costs for proactive LPP removals by the total number of LPP feet removed from service through KEDNY’s proactive main replacement program in the relevant Rate Year. Any positive incentive earned in a Rate Year will be collected through the Gas Safety and Reliability Surcharge (see Section 5.5 below) in the following year. An illustrative example of this incentive mechanism is provided in Appendix 6, Schedule 13.

5.5 Gas Safety and Reliability Surcharge

KEDNY will establish a Gas Safety and Reliability Surcharge to recover (i) the cost to replace incremental LPP (Section 5.5.1), (ii) the cost to repair additional Type 3

¹¹ One pre-tax basis point is equivalent to approximately \$237,000 in revenues.

leaks (Section 5.5.2), and (iii) any positive revenue adjustments earned for LPP productivity, LPP removals, and leak repairs (Sections 5.4, 8.1.2, and 8.2.2).

5.5.1 Recovery of Incremental LPP Replacement Costs

The Gas Safety and Reliability Surcharge will provide a return on investment, depreciation expense, and related O&M expense (*i.e.*, disconnects and reconnects) associated with removing from service incremental miles of LPP above the cumulative proactive removal mileage funded in base rates:

Rate Year	Cumulative Proactive Removal Threshold (miles)*
One	28
Two	61
Three	99

*Excludes any miles removed through the City/State Construction program or already recovered through the Gas Safety and Reliability Surcharge.

For each proactive mile removed above the proactive removal threshold, KEDNY will be allowed to recover the associated revenue requirement calculated as the lesser of (i) KEDNY’s average capital and O&M replacement cost per mile of LPP in the Rate Year or (ii) 102 percent of the capital and O&M unit cost allowances for LPP replacement in the given Rate Year.

5.5.2 Recovery of Incremental Leak Repair Costs

KEDNY will be permitted to recover through the Gas Safety and Reliability Surcharge the cost to eliminate up to 250 incremental leaks a year in excess of its total leak reduction targets (see Section 8.2.1). Repair cost will be based on KEDNY’s rate

allowance for leak repairs (\$3,844 in Rate Year One, \$3,925 in Rate Year Two, and \$4,007 in Rate Year Three). KEDNY will target the system leaks based on methane flow rates, as described in Section 8.2.2.

5.5.3 Gas Safety and Reliability Surcharge Calculation

The Gas Safety and Reliability Surcharge will be developed as a per therm surcharge that will appear on the Statement of Gas Safety and Reliability Surcharge. The surcharge will be calculated by first allocating the return on investment, depreciation expense, and O&M expense (*i.e.*, disconnects and reconnects) associated with incremental LPP investment, leak repair costs, and any positive revenue adjustments earned for LPP productivity, LPP removals, or leak repairs to each firm service class by forecast delivery revenues established in this Joint Proposal, then developing a per therm rate per service class, and will be collected in the delivery rate adjustment (“DRA”). The Gas Safety and Reliability Surcharge will be reconciled annually and included in the DRA recovered from firm sales and firm transportation customers beginning April 1st of the following Rate Year. An illustrative example of the Gas Safety and Reliability Surcharge calculation, including examples of the incremental proactive LPP replacement, leak repair, and positive revenue adjustment recovery mechanisms, is provided in Appendix 6, Schedule 13.

5.6 Newtown Creek Project

KEDNY will continue to develop the Newtown Creek biogas purification project. Because the ultimate in service date and final capital costs are not known at this time, the costs are not included in the revenue requirement. Once the project is in service,

KEDNY is permitted to defer the return of and return on the Newtown Creek project and have those costs reviewed for potential recovery in its next base rate filing. The revenue requirement for the Newtown Creek project will be subject to a \$1.6 million annual exclusion (prorated from the in service date) for 20 years. The \$1.6 million amount and the 20 year time period will be subject to review for possible modification in KEDNY's next rate case. The revenue requirement associated with the project will reflect a 40 year depreciable life. CNY agrees to support KEDNY's reasonable efforts to mitigate the effects of the revenue requirement exclusion, including, but not limited to, supporting KEDNY's application(s) for property tax abatements, to the extent such efforts are permitted by applicable law. Further, any revenues from KEDNY's share of the sale of gas at a premium (*i.e.*, in excess of the weighted average cost of gas) or environmental credits generated from the project will be used to offset the revenue requirement exclusion.

5.7 Capitalization Policies

5.7.1 Corrosion Control Activities

KEDNY is authorized to capitalize the corrosion control activities set forth in the table below in accordance with Accounting Standards Codification 360, the Federal Energy Regulatory Commission's accounting regulations and International Accounting Standard 16. Testing and inspection activities related to corrosion control will remain as expensed items.

Activity Description	Accounting Treatment
Install test station (TS) on Main	Capital
Replace existing TS	Capital
Install TS on main across Insulated Joints (IJ)	Capital
Install TS on Distribution Service	Capital
Install TS on Main with anode(s)	Capital
Install TS on main across IJ with anode(s)	Capital
Install TS on Distribution Service with anode(s)	Capital
Install/Replace IJ at Meter	Capital
Install/Replace IJ at Distribution Service Tie-in	Capital
Install/Replace IJ on Main	Capital
Special Request - Renew Service with Plastic	Capital
Install new Rectifier	Capital
Relocate Existing Rectifier	Capital
Recoat Main	Capital

5.7.2 In-Line Inspections

KEDNY will capitalize and expense its costs associated with in-line inspections of gas transmission pipeline consistent with the Commission’s May 19, 2016 Order in Case 15-M-0744.

5.8 EDF – Methane Leak Pilot Programs

KEDNY will collaborate with EDF to implement methane reduction pilot programs that will, *inter alia*, gather and analyze leak flow data to prioritize system investments and leak repairs. In its next rate case, KEDNY will report on the results of the pilot and any recommendations.

5.9 Roadwork and Traffic Violations

KEDNY will submit to the Secretary, within 90 days after the close of each Rate Year, a report describing its efforts to reduce notice of violations (“NOV”) related to

street openings and traffic violations. KEDNY may seek confidential treatment by filing the report with the Records Access Officer, as warranted. KEDNY's report will address the following:

(a). Efforts to reduce roadwork violations, including instances of violations for:

- Failure to obtain confirmation number for administrative closure of a permit to work on protected streets;
- Emergency/authorization (embargo) permit violations;
- Failure to permanently restore excavation within the required time;
- Hardware not flush with surrounding area; and
- Roadway/sideway closings.

(b). Additional efforts to reduce NOVs, including:

- External communications with municipalities and contractors; and
- Improved NOVs reporting.

(c). KEDNY's efforts to reduce traffic violations, including the following items:

- Presentations on driver behaviors;
- Weekly reporting and monthly driver performance profiles;
- Notification to driver's supervisors for follow-up discussion and safety counseling;
- Review of overall driving records to identify need for driver safety training; and

- Analysis of parking tickets to establish responsibility and reimbursement.

5.10 Inside Meter Relocations

Beginning in Rate Year Two, KEDNY will relocate gas meters located inside premises to outside the premises when replacing or relocating gas service lines as part of the LPP replacement program, except in cases where (i) the customer refuses permission to relocate the meter outside, (ii) local building codes or similar regulations prohibit outside meters, (iii) exterior or interior obstacles prevent meter relocation, or (iv) the gas meter should not be moved outside for safety reasons. KEDNY will supplement its annual reporting on meter relocations to include, for the gas service lines relocated or replaced, the number of meters moved outside and, for the meters that were not moved outside, the specific reason why they were not moved.

5.11 Gas Safety Items

5.11.1 First Responder Training

KEDNY's training program regarding the appropriate response to gas related emergencies offered to local fire departments and other first responders will include a combination of online and in-person gas safety training and education. Among other program components, KEDNY will advance first responder coordination through additional integrated field response drills. In addition, KEDNY's training will continue to enhance communication and coordination between KEDNY's field personnel and fire departments and other first responders in KEDNY's service territory. KEDNY's annual gas safety report (see Section 8.7) will include a summary of its first responder training

plans. KEDNY will also provide Gas Safety Staff with the dates and locations of all planned field drills.

5.11.2 Residential Methane Detection Pilot

KEDNY will implement a residential methane detection pilot program targeting the deployment of approximately 10,000 methane detectors in apartments with inside meters (room sets). KEDNY will use up to \$0.500 million of the negative revenue adjustments from KEDNY's CY 2013 and CY 2014 Gas Safety Regulations Performance Metric to fund the program.

5.11.3 Room Set Meter Pilot

KEDNY will develop a pilot program to convert residential, non-heat customers with room set meters to a building meter. The room set meter pilot will test the feasibility of converting room set meters, including identifying potential operating, billing, and customer service issues for purposes of informing KEDNY's strategy for addressing room sets in future rate filings. KEDNY commits to converting one room set building and will use reasonable efforts to complete additional buildings (up to five total buildings) over the term of the KEDNY Rate Plan. KEDNY will be permitted to defer the prudently incurred incremental costs to conduct the pilot. KEDNY will provide annual reports to the Secretary on the results of the pilot, including all efforts made to identify and convert room set buildings.

5.11.4 Damage Prevention Ticket System

KEDNY will implement a damage prevention ticket management system that utilizes an algorithm to evaluate and prioritize one call tickets based on the probability of

damage to KEDNY's underground facilities. KEDNY will use up to \$0.800 million of the negative revenue adjustments from KEDNY's CY 2013 and CY 2014 Gas Safety Regulations Performance Metric to fund the program.

6. Reconciliations, Deferrals, and True-Ups

6.1 Existing Reconciliations, Deferrals, and True-Ups

Appendix 6, Schedule 1, sets forth KEDNY's deferral accounts and other regulatory assets and liabilities forecast balances as of December 31, 2016. With the exception of the deferral accounts and other regulatory assets and liabilities identified as "Discontinued" on Schedule 1, KEDNY is authorized to continue its use of reconciliation mechanisms and/or deferral accounting (with certain modifications) with respect to the expenses set forth in Schedule 1.¹² In addition, KEDNY will continue its use of all other reconciliation mechanisms and/or deferral accounting pursuant to Commission authorization.

Except where otherwise noted, KEDNY will accrue carrying charges on all deferral accounts and other regulatory assets and liabilities, net of deferred taxes, calculated using the pre-tax weighted average cost of capital for the respective Rate Year. An example of the calculation of carrying charges is set forth in Appendix 6, Schedule 1.

¹² The deferral accounts and other regulatory assets and liabilities identified as "Discontinued" on Schedule 1 will be discontinued as of the Effective Date. These accounts contain forecast balances as of December 31, 2016, which are set forth in Schedule 1. The discontinuance of these accounts is not intended to preclude KEDNY from returning to or recovering from customers the balances as of December 31, 2016 plus any applicable carrying charges.

6.1.1 Pension and Other Post-Employment Expenses

KEDNY will continue to defer and reconcile its actual pension and Other Post-Employment (“OPEB”) expenses to the levels allowed in rates (set forth in the tables below) in accordance with the Commission’s P&OPEB Statement of Policy.¹³ Carrying charges will not be calculated on pension or OPEB deferred balances. An example of the reconciliation is set forth in Appendix 6, Schedule 2.

Pension Expense		
Rate Year One	Rate Year Two	Rate Year Three
\$39.827 million	\$30.599 million	\$20.995 million

OPEB Expense		
Rate Year One	Rate Year Two	Rate Year Three
\$15.515 million	\$13.954 million	\$11.971 million

For purposes of determining KEDNY’s internal reserve and the carrying costs that apply to that reserve, KEDNY is authorized to combine the funding of its pensions and OPEBs, and to offset, for example, any deficiencies in OPEBs funding with any excess pension funding. KEDNY will accrue and defer carrying charges on the net unfunded pension and OPEBs amounts, until the net unfunded amount is funded.

6.1.2 Low Income Discount Program

KEDNY will continue its Low Income Discount Program as set forth in Section 9.1. Each Rate Year, KEDNY will fully reconcile Low Income Discount Program costs

¹³ Case 91-M-0890, In the Matter of the Accounting and Ratemaking Treatment for Pensions and Post-Retirement Benefits Other than Pensions, *Statement of Policy and Order Concerning the Accounting and Ratemaking Treatment for Pensions and Post-Retirement Benefits Other than Pensions* (issued and effective September 7, 1993) (“P&OPEB Statement of Policy”).

to the amounts reflected in rates. Amounts in excess of the rate allowance will be deferred for future recovery from customers. Any under expenditures will be deferred for future use in a low income program. An example of the reconciliation is set forth in Appendix 6, Schedule 3.

In addition, the Signatory Parties acknowledge that KEDNY has stated there will be costs to implement the requirements of the Low Income Order,¹⁴ including outreach and education and information systems (“IS”) costs, and costs to implement the file match with CNY’s Human Resource Administration (“HRA”) (the file match is discussed in Section 9.1.1 below). KEDNY will file an Implementation Plan in accordance with the requirements of the Low Income Order that will include an estimate of all such implementation costs. KEDNY is authorized to include in the low income deferral all implementation costs approved by the Commission in Case 14-M-0565, unless the Commission specifies another means of recovery.

6.1.3 Exogenous Costs

One hundred percent of all Exogenous Costs (including any credits) associated with or caused by an individual instance (as described below) will be deferred, once such costs exceed the threshold set forth below. If Exogenous Costs in any one Rate Year exceed three percent of KEDNY’s pre-tax utility income (determined in accordance with the methodology set forth above for the Earnings Sharing Mechanism) for the year in which the change first occurs (the “Exogenous Cost Threshold”), the total impact of the

¹⁴ Case 14-M-0565, Proceeding on Motion of the Commission to Examine Programs to Address Energy Affordability for Low Income Utility Customers, Order Adopting Low Income Program Modifications and Directing Utility Filings (issued and effective May 20, 2016) (“Low Income Order”).

Exogenous Costs will be deferred. “Exogenous Costs” means all of the incremental effects on KEDNY’s costs, revenues, or revenue requirements above or below the amounts set forth in Appendix 1, Schedule 1 associated with or caused by an individual instance of:

- (a). any externally imposed accounting change;
- (b). any change in the federal, state, or local rates, laws, or regulations governing income, revenue sales, or franchise taxes; or
- (c). any legislative, court, or regulatory change that imposes new or modifies existing obligations or duties (*e.g.*, incremental municipal permitting and paving requirements resulting from changes to Highway Rules §§ 2-01 through 2-09, 2-11 through 2-14, and 2-20).

In determining its Exogenous Costs, KEDNY will also be permitted to consider as a single Exogenous Cost all changes in costs arising from multiple municipalities’ laws, regulations, or ordinances relating to the same subject matter. In addition, the Signatory Parties recognize that there is a pending Pipeline and Hazardous Materials Safety Administration (“PHMSA”) rulemaking that could impact multiple areas of KEDNY’s operations during the term of its rate plan, including with regard to pipeline integrity management and verification requirements. Should PHMSA, or other pipeline safety regulator, adopt new rules, regulations, or requirements that collectively increase KEDNY’s pipeline safety compliance costs in excess of the Exogenous Cost Threshold, KEDNY may defer the changes in costs resulting from the PHMSA rulemaking or changes to pipeline safety regulations, subject to review by Staff and the Commission.

In the event that Exogenous Costs are incurred, KEDNY will file a letter with the Secretary setting forth the rationale for the deferral and its calculation. Any disagreement associated with the filing will be referred to the Commission for a decision.

6.1.4 SIR Expense

(a). *SIR Expense and Deferral*

The rate allowance for SIR expense for each Rate Year includes (i) one-tenth of the forecast SIR deferral balance as of December 31, 2016 (\$18.521 million) and (ii) forecast SIR costs (\$53.872 million in Rate Year One, \$45.653 million in Rate Year Two, and \$46.767 million in Rate Year Three) (the “Forecast Rate Allowance”). Forecast SIR costs associated with the Gowanus Canal and Newtown Creek sites are not included in the base rate allowance.

Each Rate Year, KEDNY will fully reconcile actual SIR expense (inclusive of Gowanus Canal and Newtown Creek costs) to the Forecast Rate Allowance. Any under or over expenditures will be deferred for future refund to or recovery from customers (with the exception of the Citizens site referenced below). An example of this reconciliation is set forth in Appendix 6, Schedule 4.

(b). *SIR Recovery Surcharge*

Beginning in Rate Year Two, to the extent that the difference between actual SIR expense (inclusive of Gowanus Canal and Newtown Creek) and the Forecast Rate Allowance exceeds \$25 million on a cumulative basis, KEDNY will utilize its SIR Recovery Surcharge. The surcharge will be calculated annually and be limited to an amount no greater than two percent of KEDNY’s prior year’s aggregate revenues. The SIR Recovery Surcharge will include (i) the difference between actual SIR expense in the

prior Rate Year and the Forecast Rate Allowance in the prior Rate Year and (ii) any amount that was not recovered in the prior Rate Year's SIR Recovery Surcharge because the cumulative difference between actual SIR costs and the Forecast Rate Allowance did not exceed the \$25 million threshold and/or the amount would have increased KEDNY's aggregate revenues by more than two percent. An example of the operation of the SIR Recovery Surcharge is set forth in Appendix 6, Schedule 4.

(c). *Other Provisions*

KEDNY will continue to absorb 10 percent of the remaining investigation costs for the Citizens site pursuant to the Stipulation and Agreement Resolving Corporate Structure Issues and Establishing Multi-Year Rate Plan, dated June 25, 1996 in Case 95-G-0671.

KEDNY will continue to charge to SIR accounting the costs to pursue recovery (*e.g.*, attorney, expert, and consultant fees) as they are incurred and credit 100 percent of recoveries from insurance carriers and/or other potentially responsible parties as they are received.

In the event that KEDNY disposes of any property upon which SIR investigation and remediation activities have occurred, it will continue to credit after-tax gains resulting from such disposition to the total SIR cost for the specific site.

6.1.5 Property and Special Franchise Taxes

Each Rate Year, KEDNY will reconcile actual property and special franchise taxes expense to the rate allowance. The difference between actual property and special franchise taxes expense, excluding the effects of tax refunds, and the rate allowance (\$140.909 million in Rate Year One, \$151.640 million in Rate Year Two, and \$165.901

million in Rate Year Three) will be deferred for future refund to or recovery from customers. Differences will be shared 85 percent/15 percent between customers and KEDNY, respectively. An example of this reconciliation is set forth in Appendix 6, Schedule 5.

If KEDNY is successful in obtaining tax refunds, it will have the right to petition the Commission to share in such refunds. Other parties may take any position concerning any petition filed by KEDNY.

6.1.6 Negative or Positive Revenue Adjustments

KEDNY will defer any negative or positive revenue adjustments associated with the Service Quality Program (Section 7) or the Gas Safety Performance Metrics (Section 8), or any positive growth incentive (Section 9). Any negative revenue adjustments associated with the Gas Safety Performance Metrics will be applied to future incremental safety programs.

6.1.7 TC and IT Services

Each Rate Year, KEDNY will fully reconcile actual TC and IT Services revenues to the amounts imputed in the revenue requirement (\$60.497 million in Rate Year One, \$66.300 million in Rate Year Two, and \$73.004 million in Rate Year Three). An adjustment will be made to the revenue targets above to remove forecast revenues for TC/IT customers that migrate to firm service, as illustrated in Appendix 3, Schedule 8.4. Any difference between actual and imputed revenues will be credited or surcharged to firm sales and firm transportation customers through the DRA for the 12-month period starting March 1.

6.1.8 Electric Generator Revenues

KEDNY will reconcile the difference between the electric generator revenues imputed in its revenue requirement and the actual revenues it recovers from the electric generators in each Rate Year. Any difference would be credited or surcharged to firm sales and firm transportation customers through the DRA for the 12-month period starting March 1st.

6.1.9 Economic Development Grant Programs

KEDNY will continue its Economic Development Grant Programs as set forth in Section 9.2 at an annual funding level of \$2.000 million, subject to a downward only reconciliation over the term of the KEDNY Rate Plan. Any under expenditures in a given Rate Year will be carried forward and reconciled at the end of Rate Year Three. Spending in any one Rate Year may not exceed \$3.000 million. An example of the reconciliation is set forth in Appendix 6, Schedule 6.

In the event of any anticipated over expenditures, KEDNY may petition the Commission for deferral treatment and will have no obligation to make any expenditures in excess of the rate allowance unless and until the Commission authorizes KEDNY to defer such excess amounts for future recovery.

6.1.10 RDM

The RDM reconciliation as modified in Section 3.10 above will continue.

6.1.11 Continuing Gas Reconciliation Mechanisms

The following gas reconciliation mechanisms will continue outside of base rates:

(a). System Benefits Charge program costs, which includes the Clean Energy Fund surcharge and the Energy Efficiency Tracker surcharge, will be reconciled pursuant to the Commission's January 21, 2016 Order in Case 14-M-0094 and January 22, 2016 Order in Case 15-M-0252. Carrying charges will be calculated using the other customer capital rate. KEDNY will continue to recover lost revenues attributable to these programs for non-RDM service classes per the Tariff (PSC No. 12).

(b). Temporary State Assessment fees (PSL § 18-a) will be reconciled pursuant to PSC No. 12, Leaf 138.51.

(c). KEDNY will continue to recover and reconcile its cost of gas in accordance with PSC No. 12, Leaves 79.7 through 79.12. Carrying charges will be calculated using the other customer capital rate.

(d). The LAUF reconciliation as modified in Section 3.6 above will continue. Carrying charges for the annual LAUF reconciliation will be calculated at the other customer capital rate.

(e). The System Performance Adjustment Mechanism will continue as set forth in PSC No. 12, Leaf 79.6. Carrying charges will be calculated at the other customer capital rate.

(f). KEDNY's existing gas cost incentive program will continue as set forth on PSC No. 12, Leaves 70-71.

6.2 New Reconciliations, Deferrals, and True-Ups

The following new deferral accounts will be implemented. KEDNY will accrue carrying charges on the new deferral account balances calculated using the pre-tax weighted average cost of capital for the respective Rate Year.

6.2.1 Net Utility Plant and Depreciation Expense

Reconciliation Mechanism

KEDNY will implement a downward only Net Utility Plant and Depreciation Expense Reconciliation Mechanism. Each Rate Year, KEDNY will reconcile its actual average net utility plant and depreciation expense revenue requirement to the target average net utility plant and depreciation expense revenue requirement (\$420.730 million for Rate Year One, \$475.105 million for Rate Year Two and \$538.558 million for Rate Year Three).

The average net utility plant and depreciation expense revenue requirement will be calculated by applying KEDNY's pre-tax weighted average cost of capital in the respective Rate Years (9.08 percent in each of the Rate Years) to the average net utility plant balance and adding the depreciation expense to the product.

The difference between the actual average net utility plant and depreciation expense revenue requirement and the target average net utility plant and depreciation expense revenue requirement will carry forward for each Rate Year and be summed at the end of Rate Year Three. As illustrated in Appendix 6, Schedule 7, if, at the end of Rate Year Three, the cumulative actual average net utility plant and depreciation expense revenue requirement is negative, KEDNY will defer the revenue requirement impact for the benefit of customers. If, at the end of Rate Year Three, the cumulative actual average net utility plant and depreciation expense revenue requirement is positive, there will be no deferral. In years that incremental LPP replacement costs are recovered through the Gas Safety and Reliability Surcharge, the net plant and depreciation components of the Gas Safety and Reliability Surcharge for incremental LPP replacement costs will be

added to the overall Net Utility Plant and Depreciation Expense Mechanism target to avoid any double recovery.

The reconciliation mechanism will apply to KEDNY’s aggregate total average net plant and depreciation expense combined, and not to individual components. The net plant target balances and reconciliation will not consider the impact of Accumulated Deferred Income Taxes (“ADIT”).

As of January 1, 2020, the Net Utility Plant and Depreciation Expense Reconciliation Mechanism will be converted into a two-way tracker, as described in Section VI.17.2.

6.2.2 City/State Construction

The projected levels of KEDNY’s City/State Construction expenditures, net of reimbursements, for Rate Years One, Two, and Three are set forth below:

Rate Year	CSC Forecast
Rate Year One	\$196.487 million
Rate Year Two	\$193.515 million
Rate Year Three	\$190.921 million

To the extent that KEDNY’s actual capital spending for City/State construction, net of reimbursements, differs from the forecast amount in a Rate Year, KEDNY will defer the revenue requirement effect (excluding O&M expenses) associated with 90 percent of the difference for future recovery from or return to customers. KEDNY will submit a filing to the Secretary that demonstrates that the City/State Construction costs

incurred in excess of the rate allowance were reasonable and beyond KEDNY's control. Any disagreement associated with the filing will be referred to the Commission for decision. An example of this reconciliation is set forth in Appendix 6, Schedule 14. As illustrated in Appendix 6, Schedule 14, the City/State Construction reconciliation will work in conjunction with the Net Utility Plant and Depreciation Expense Mechanism.

6.2.3 Automatic Uploads to EPA Portfolio Manager

As described in Section VI.3, KEDNY will automate the process for energy consumption data to be uploaded to the EPA Portfolio Manager website. KEDNY will recover the costs to automate the process through a deferral that is capped at \$0.750 million, which is a combined estimate of the costs for KEDNY and KEDLI over the term of the KEDNY and KEDLI Rate Plans.

6.2.4 Room Set Meter Pilot

KEDNY will defer for recovery from customers the prudently incurred costs to implement a residential non-heat room set pilot, as described in Section 5.11.3.

6.2.5 Variable Pay

Each Rate Year, KEDNY will defer for refund to customers any variable pay compensation amounts reflected in rates that are not paid to employees. The rate allowance for variable pay is \$7.461 million for Rate Year One, \$7.664 million for Rate Year Two, and \$7.878 million for Rate Year Three. An example of this reconciliation is set forth in Appendix 6, Schedule 8.

6.2.6 Customer Conversion Rebate Program

KEDNY will implement a customer conversion rebate program as set forth in Section 9.3 at an annual funding level of \$0.200 million, subject to a downward only reconciliation over the term of the KEDNY Rate Plan. Any under expenditure in a given Rate Year will be carried forward and reconciled at the end of Rate Year Three. An example of the reconciliation is set forth in Appendix 6, Schedule 9.

In the event of any anticipated over expenditures, KEDNY may petition the Commission for deferral treatment and will have no obligation to make any expenditures in excess of the rate allowance unless and until the Commission authorizes KEDNY to defer such excess amounts for future recovery.

6.2.7 Third-Party Payment Center Processing Fees

As set forth in Section 9.6, KEDNY customers who utilize an authorized third-party payment center, such as Western Union, will not be assessed the transaction fee. Each Rate Year, KEDNY will fully reconcile the actual level of fees to the amount set in rates (\$0.410 million). Any under or over recovery will be deferred for future refund to or recovery from customers. An example of this reconciliation is set forth in Appendix 6, Schedule 10.

6.2.8 Variable Rate Debt True-Up

KEDNY's capital structure includes \$230 million of New York State Energy and Research Development Authority ("NYSERDA") variable rate bonds. The interest rates for these bonds are periodically reset using an auction process that provides for a default rate if the auctions fail. Each Rate Year, KEDNY will reconcile the actual interest

expense associated with these bonds with the amount reflected in rates (\$2.768 million in each of the Rate Years) and defer the difference for refund to or recovery from customers. An example of this reconciliation is set forth in Appendix 6, Schedule 11.

Should KEDNY refinance its variable rate debt with fixed rate debt in accordance with the financing authorization approved in Case 15-G-0309, KEDNY will reconcile the actual interest expense of the replacement debt with the amounts reflected in rates as specified above and defer the difference for refund to or recovery from customers.

6.2.9 Long Term Debt Tenor True-Up

The cost of debt used to determine the revenue requirements for Rate Year One assumes that the forecast issuances of new long term debt issued on a particular day are split equally between 10 and 30 year bonds. To the extent that actual bonds issuances during Rate Year One are split differently, the difference in interest expense resulting from the non-equal split will be deferred for refund to or recovery from customers. The calculation of this deferral is illustrated in Appendix 6, Schedule 12.

6.2.10 New Hire True-Up

Until KEDNY hires the incremental 270 full time equivalents (“FTEs”) included in the revenue requirement, KEDNY will reconcile monthly the actual number of FTEs hired to 270. If KEDNY has hired fewer than 270 FTEs, KEDNY will defer the revenue requirement impact of the difference for refund to customers, as illustrated in Appendix 6, Schedule 15. The reconciliation will be performed against the total number of forecast new FTEs shown in the list provided in Appendix 6, Schedule 15 (and not by position).

6.3 Additional Reconciliations, Deferrals, True-Ups

Nothing in this Joint Proposal prevents KEDNY from implementing additional reconciliations or deferral mechanisms if approved by the Commission.

7. Customer Service Quality Program

KEDNY's customer service performance will be measured for each Rate Year against a set of Customer Service Quality Performance Metrics. A total pre-tax potential negative revenue adjustment of \$11.7 million per year will be allocated across the following four performance metrics, which are described below:

- (a). PSC Complaint Rate
- (b). Customer Satisfaction Survey
- (c). Adjusted Customer Bills
- (d). Telephone Answer Response within 30 Seconds

All revenue adjustments related to the Customer Service Quality Performance Metrics will be deferred for future disposition by the Commission.

7.1 PSC Complaint Rate

A PSC complaint is initiated with a dispute being filed by, or on behalf of, a customer with the Commission. The basis of the complaint must be one within KEDNY's control. Only "charged" complaints are included in the PSC Complaint Rate metric. A complaint will be considered charged when a customer, after first having contacted KEDNY to express dissatisfaction with an action, practice, or conduct of KEDNY, and having provided KEDNY a reasonable opportunity to address the matter, contacts the Commission to express dissatisfaction with such action, practice, or conduct.

A complaint will not be charged if the contact with the Commission is for an opinion or inquiry. For the purposes of the PSC Complaint Rate metric, an “opinion” is an instance where a customer is contacting the Commission to voice a view on a particular issue or condition, such as a pending rate case, a change in rates or charges or the imposition of new rates or charges, or the level of executive compensation.

Complaints brought by energy service companies (“ESCOs”) on behalf of their customers over which KEDNY has control (*e.g.*, meter issues) will be included in the PSC Complaint Rate metric, provided the ESCO follows the Commission’s designated complaint procedures and provides KEDNY with a reasonable opportunity to address the matter. ESCO complaints on behalf of customers over which KEDNY has no control, such as slamming, will not be included in the metric. For an ESCO to represent a customer with a complaint, the ESCO must follow the Commission’s procedures and obtain specific agency agreement. Questions or complaints related to KEDNY’s Retail Access programs will not be handled through KEDNY’s call center or submitted by the ESCOs to the Commission’s call center.

Complaints will be measured monthly and the metric will be based on the average of the 12 monthly scores. The measure will be as follows:

Complaints per 100,000 customers	Negative Revenue Adjustment
≤ 1.1	\$0
> 1.1	\$4,680,000

7.2 Customer Satisfaction

Customer satisfaction will be measured monthly based on the satisfaction ratings resulting from a random survey of residential customers who have contacted KEDNY. The satisfaction level will be measured based on the number of customers rating KEDNY between “6” and “10” on a ten point satisfaction scale. KEDNY will receive a minimum of 100 completed surveys per month.

Satisfaction levels will be measured monthly and the metric will be based on the average of the 12 monthly scores. The measure will be as follows:

Customer Satisfaction Index	Negative Revenue Adjustment
≥ 84.8%	\$0
< 84.8%	\$4,680,000

By April 1, 2017, KEDNY will convene a meeting with Staff and interested parties for the purpose of aligning the survey methodology used to measure customer satisfaction with the telephone survey methodology used by NMPC. The meeting will also consider whether the performance target should be changed based on a transition to the NMPC survey methodology. KEDNY will file a report concerning the results of the meeting with the Commission no later than August 30, 2017 for further Commission action as may be necessary.

7.3 Telephone Answer Response within 30 Seconds

This is a measure of the proportion of customer service calls answered by a KEDNY representative within 30 seconds, expressed as a percentage of the total calls answered.

The metric will be measured monthly and be based on the average of the 12 monthly scores. The measure will be as follows:

% Calls Answered Within 30 Seconds	Negative Revenue Adjustment
≥ 60.6%	\$0
< 60.6%	\$1,170,000

7.4 Adjusted Customer Bills

This is a measure of the proportion of customer bills that require later adjustment as a result of errors by KEDNY, expressed as a percentage of total customer bills. The following are not adjusted bills for purposes of the metric: an estimated bill replaced by a bill based on an actual reading; a customer reading replaced with an actual or estimated reading; a change in a customer bill because of switching to or from budget billing; or changes to correct for the responsible billing party (*e.g.*, where bills have been rendered to a prior resident, and bills are re-issued to the current resident).

The metric will be measured monthly and be based on the average of the 12 monthly scores. The measure will be as follows:

Adjusted Customer Bills	Negative Revenue Adjustment
1.69% or less	\$0
1.70% to 1.79%	\$585,000
1.80% to 1.89%	\$877,500
1.90% and over	\$1,170,000

7.5 Reporting

(a). KEDNY will submit an annual performance report to the Secretary within three months after the conclusion of each full calendar year. The annual performance report will include a description of the service quality measures, the method for calculating performance, the results for the period, supporting calculations of annual results in spreadsheet format, and a narrative overall assessment of customer service performance during that calendar year.

(b). KEDNY will also submit quarterly performance reports within thirty days of the conclusion of the first, second, and third quarter of each calendar year.

If KEDNY believes in any year that its inability to meet any of the established targets was attributable to *force majeure* circumstances (causes that are outside the control of KEDNY and could not be avoided with the exercise of due care), it may petition the Commission for relief from any associated negative revenue adjustment.

7.6 Tripling and Quadrupling Provisions

The potential tripling and quadrupling of the negative revenue adjustment amounts for failing to meet a Customer Service Quality Metric, as set forth in the Merger Order,¹⁵ is eliminated.

7.7 Service Guarantee

KEDNY will continue its current service guarantee policy set forth in PSC No. 12 Leaf 35 of compensating customers for a missed appointment. For each missed appointment, KEDNY will provide a credit of \$30 for residential customers and \$60 for non-residential customers.

7.8 Termination and Uncollectible Incentive

To incent KEDNY to identify and implement new measures to reduce residential service terminations for nonpayment while decreasing, or maintaining, the level of bad debt from residential accounts, KEDNY will have the ability to earn a positive revenue adjustment of \$1.260 million during each Rate Year if it achieves both of the following targets:

Residential Terminations*	Bad Debt Expense
≤ 34,638	≤ \$12,494,661

*“Terminations” means actual residential terminations completed, not the number of termination notices issued.

¹⁵ Case 06-M-0878, Joint Petition of National Grid plc and KeySpan Corporation for Approval of Stock Acquisition and Other Regulatory Authorizations, *Order Authorizing Acquisition Subject to Conditions and Making Some Revenue Requirement Determinations for KeySpan Energy Delivery New York and KeySpan Energy Deliver Long Island* (issued and effective September 17, 2007) (“Merger Order”), at 143-44.

KEDNY will have the ability to earn a positive revenue adjustment of \$0.540 million during each Rate Year if it achieves one of the above targets, provided the other target is at or below the following levels:

Residential Terminations*	Bad Debt Expense
$\leq 37,916$	$\leq \$16,119,628$

*“Terminations” means actual residential terminations completed, not the number of termination notices issued.

KEDNY will report on its performance under this metric in the annual report referenced in Section 7.5 above.

8. Gas Safety Performance Metrics

KEDNY’s gas safety performance will be measured for each calendar year against a set of Gas Safety Performance Metrics. A total of 150 pre-tax basis points will be at risk per calendar year for KEDNY’s performance under the Gas Safety Performance Metrics, as described below. Any Gas Safety Performance Metrics negative revenue adjustments incurred by KEDNY will be deferred for future use in incremental safety programs.

The Gas Safety Performance Metrics will be in effect for the term of the KEDNY Rate Plan, and will continue on a year-to-year basis, unless discontinued or modified by the Commission. If KEDNY believes in any year that its inability to meet any of the established incentive targets was attributable to *force majeure* circumstances (causes that are outside the control of KEDNY and could not be avoided with the exercise of due

care), it may petition the Commission for relief from any associated negative revenue adjustment.

8.1 LPP Removal Metric

8.1.1 Annual LPP Removal

KEDNY will incur a negative revenue adjustment of eight basis points should it fail to remove from service a minimum of 50 miles of LPP in CY17 and 55 miles of LPP in CY18 or a cumulative three-year total of 180 miles of LPP by the end of CY19. KEDNY will replace leak prone services in conjunction with LPP main removal efforts.

KEDNY	CY 2017	CY 2018	CY 2019
Minimum Removal Targets (miles)	50	55	180 (cumulative CY17-19)
Rate Allowance/Targets (miles)	55	60	65
Incentive Thresholds (miles)	56	61	66

After Rate Year Three, the negative revenue adjustment target will be set at 65 miles per year until modified by the Commission.

8.1.2 LPP Removal Incentive

KEDNY will earn a positive revenue adjustment of two basis points for each full mile of LPP removed above the following incentive thresholds: 56 miles in CY17, 61 miles in CY 18, and 66 miles in CY 19. The positive revenue adjustment will be capped at ten basis points per year and recovered through the Gas Safety and Reliability

Surcharge, as discussed in Section 5.5.3. An illustrative example of this incentive mechanism is provided in Appendix 6, Schedule 13.

8.2 Leak Management

8.2.1 Leak Backlog Metrics

KEDNY will incur a negative revenue adjustment if it fails to achieve year-end leak backlog targets for (i) workable leaks (Type 1, 2 and 2A leaks) and (ii) all leaks (Type 1, 2, 2A and 3), as follows:

Leak Metric	Target		Negative Revenue Adjustment
Workable Leaks (Type 1, 2, 2A)	≤ 25		8 basis points
Total Leaks (Type 1, 2, 2A, 3)	CY 17	3,550	4 basis points
	CY 18	3,400	
	CY 19	3,250	

8.2.2 Leak Repair Incentive

Within 90 days of the Commission’s Order adopting this Joint Proposal, KEDNY will file an initial report ranking all existing Type 3 leaks based on relative methane emissions. KEDNY will earn a positive revenue adjustment for eliminating incremental leaks (above the Type 3 leak reduction targets in Section 8.2.1) from KEDNY’s list of the highest emitting Type 3 leaks. KEDNY will accrue a positive revenue adjustment of one basis point for each 50 leaks eliminated (maximum of five basis points per year). KEDNY must achieve both annual backlog reduction targets to qualify for this incentive.

The cost to repair these incremental Type 3 leaks and any positive revenue adjustment will be recovered through the Gas Safety and Reliability Surcharge, as discussed in Section 5.5.3.

The leaks targeted for the positive incentive will consider EDF's recommended methodologies for identifying high emitting leaks. KEDNY will utilize internal personnel or a qualified contractor to develop the means to quantify emission flow rate data on an ongoing basis. While KEDNY will continue to opportunistically repair leaks in conjunction with other work when leaks can be eliminated cost effectively and efficiently, it will prioritize the highest emitting leaks when repairing leaks as part of this incentive. An illustrative example of this incentive mechanism is provided in Appendix 6, Schedule 13.

8.2.3 Year-End Leak Reporting

KEDNY will submit an annual report to the Secretary detailing all leaks in its year-end backlog by type no later than 30 days following the end of each calendar year. The report will detail the leaks that were eliminated in the prior year and the total cost of leak repairs.

8.3 Damage Prevention

KEDNY will incur a negative revenue adjustment of up to 18 basis points in the event its year-end damage prevention performance fails to meet the following minimum targets:

Damage Prevention Measure	CY17	CY18	CY19	CY20
Overall Damages per 1,000 one-call tickets (4 basis pts)	1.93	1.87	1.87	1.71
Damages due to Mismarks per 1,000 one-call tickets (10 basis pts)	0.45	0.42	0.42	0.37
Damages due to Company and Contractors per 1,000 one-call tickets (4 basis pts)	0.1	0.09	0.09	0.08

KEDNY will continue to collect damage data and compute damage performance in accordance with the criteria for the Gas Safety Performance Measures Report.

8.4 Emergency Response

KEDNY will incur a negative revenue adjustment for failure to meet the following leak and odor call response targets:

- (a). Respond to 75 percent of all gas leak and odor calls within 30 minutes (6 basis points);
- (b). Respond to 90 percent of all gas leak and odor calls within 45 minutes (4 basis points); and
- (c). Respond to 95 percent of all gas leak and odor calls within 60 minutes (2 basis points).

Instances of 20 or more odor calls in a two hour period resulting from a mass area odor issue that is not caused by KEDNY can be excluded from this measure contingent upon Staff consent. KEDNY will provide notification to Staff (through an email to safety@dps.ny.gov) within seven days of such events.

8.5 Gas Safety Regulations Performance Metric

(a). KEDNY will incur a negative revenue adjustment for instances of noncompliance (occurrences of violations) of certain gas safety regulations identified during Staff's field and records audits. See Appendix 9 for a list of the high risk and other risk gas safety regulations pertaining to this metric.

(b). Subject to section (c), below, KEDNY will be assessed negative revenue adjustments for each high risk and other risk violation, up to a maximum of 100 basis points per Rate Year, as follows:

High Risk	Occurrences	Basis Points Per Occurrence
CY 2017 – 2019	1-10	¼
	11-20	½
	+21	1
Other Risk	Occurrences	Basis Points Per Occurrence
CY 2017 – 2019	1-25	1/9
	+26	1/3

(c). The number of occurrences of noncompliance with each high risk and other risk regulation listed in Appendix 9 subject to a negative revenue adjustment is capped at ten per calendar year. If KEDNY is cited for more than ten occurrences of non-compliance with a particular high risk or other risk regulation in a calendar year, KEDNY will provide Staff with a compliance improvement plan that contains: (i) a root cause analysis of KEDNY's compliance deficiency and (ii) a proposed mitigation plan to

address future performance. KEDNY and Staff will meet to develop a mutually agreeable mitigation plan, which will include provisions for tracking and regular reporting on KEDNY's efforts to address the compliance deficiency. The cap described in this section will be used to compute KEDNY's negative revenue adjustments under this metric beginning with the CY 2015 audit results and continuing unless and until changed by the Commission.

(d). At the conclusion of each audit, Staff and KEDNY will have a compliance meeting where Staff will present its findings to KEDNY. KEDNY will have ten business days from the date the audit findings are presented to cure any identified document deficiency. Only official KEDNY records, as defined in KEDNY's Operating and Maintenance plan, will be considered by Staff as a cure to a document deficiency. Staff will submit its final audit report to the Secretary under Case 16-G-0059. If KEDNY disputes any of Staff's final audit results, KEDNY may appeal Staff's finding to the Commission. KEDNY will not incur a negative revenue adjustment on the contested findings until such time as the Commission has issued a final decision on the contested findings. KEDNY does not waive its right to seek an appeal of any Commission determination regarding a violation or penalty under applicable law.

(e). If an alleged occurrence of noncompliance with a high risk or other risk regulation is the subject of a separate penalty proceeding by the Commission, the occurrence will not count under the performance metric. Any noncompliance event that encompasses more than one code section (*e.g.*, a violation of a gas safety regulation and KEDNY's operating procedures under 16 NYCRR 255.603(d)) will count as one occurrence for purposes of calculating a negative revenue adjustment.

(f). The total negative revenue adjustment incurred will be deferred for future use to fund gas safety and compliance improvement programs. KEDNY and Staff will develop mutually agreeable program scopes and timelines for these safety and compliance programs, which will be submitted to the Commission for its review. KEDNY will submit regular status reports on the programs and funds expended.

8.6 CYs 2013 and 2014 Metric Results

With regard to the occurrences identified in Staff’s Operations and Maintenance Field and Records Audits of CYs 2013 and 2014, KEDNY may ultimately be subject to a maximum negative revenue adjustment of \$8.1 million in total for those years under the Gas Safety Violations Metric. KEDNY will initially incur a negative revenue adjustment of \$2 million for CY 2013 and \$4.9 million for CY 2014. To promote compliance improvements, the remaining \$1.2 million will be adjusted based on KEDNY’s performance in Staff’s Field and Records Audits of CY 2016,¹⁶ as determined by the number of high risk violations identified in the final 2016 Field Audit and 2017 Records Audit (of records generated during CY 2016) of the regulations listed in Appendix 9, as follows:

<u>CY 2016 Audit Results</u>			
<u>High Risk Violations</u>			<u>Reduction to Remaining \$1.2 Million</u>
0	to	19	\$1.2 Million
20	to	29	\$1.0 Million
30	to	39	\$0.8 Million
40	to	49	\$0.6 Million
50	And	Above	\$0

¹⁶ The Staff Field and Records Audits of CY 2015 are currently in progress and are independent of this provision.

The number of high risk violations identified in the 2016 Field Audit and 2017 Records Audit for purposes of determining any reduction will be calculated in accordance with Section 8.5(c) above, except that the number of violations of each high risk regulation will not be capped at ten.¹⁷ While the resolution of the CY 2013 and 2014 negative revenue adjustments are tied to KEDNY's performance under the Gas Safety Regulations Performance Metric for CY 2016, KEDNY's performance under this metric for CY 2016 will stand on its own for purposes of determining any negative revenue adjustment applicable to CY 2016 performance.

8.7 Gas Safety Reporting and Exceptions

KEDNY will report its annual performance in each of the areas set forth in Sections 8.1 to 8.5 to the Secretary no later than 90 days following the end of each calendar year. The annual report will include a summary of KEDNY's first responder training plans.

9. Customer Programs

9.1 Low Income Discount Program

9.1.1 Eligibility

KEDNY will continue its existing manual enrollment process and procedure using the receipt of a Home Energy Assistance Program ("HEAP") grant to identify eligible participants in its Residential Reduced Rate Low Income Discount Program. In addition,

¹⁷ KEDNY's performance on a single code section shall not prevent it from achieving the first tier, *i.e.*, a reduction of \$1.2 million. For example, should the CY 2016 Audit results identify 20 occurrences of a violation of a single code section, and zero violations of any other code sections, then, for the purpose of this provision, KEDNY would still be eligible for a \$1.2 million reduction. However, if there are also violations of other code sections, all occurrences would be counted in order to determine any reduction.

KEDNY will undertake a file match process with CNY's HRA to identify and enroll additional low income customers in KEDNY's service territory that are eligible for the Residential Reduced Rate Low Income Discount Program. KEDNY will use commercially reasonable efforts to complete the initial HRA file match process in the fall of 2016. If unable to complete the process in 2016, KEDNY will commence the file match process following the spring 2017 HRA file match. Beginning on the Effective Date, KEDNY will reimburse HRA for up to \$0.100 million in costs annually to perform the file match. The \$0.100 million covers the costs for the HRA file match to be performed in both KEDNY's service territory and the Rockaways portion of KEDLI's service territory.

9.1.2 Benefit Levels

In Rate Year One, KEDNY will provide eligible heating customers with a low income discount that is equivalent¹⁸ to the Tier 1 discount (*i.e.*, a monthly heating discount of \$19.00) contained in the Low Income Order, as shown in Appendix 3, Schedule 10. KEDNY will provide eligible non-heating customers with a low income discount of \$3.00 per month.

Beginning in Rate Year Two, KEDNY will conform its Residential Reduced Rate Low Income Discount Program and benefit levels to the requirements of the Low Income Order and any order(s) on rehearing, as well as the Implementation Plan filed in Case 14-M-0565, as may be modified by the Commission.

¹⁸ KEDNY's billing system is unable to provide a fixed discount amount until full implementation of the Low Income Order beginning in Rate Year Two.

9.1.3 Program Costs

The rate allowance for KEDNY's Residential Reduced Rate Low Income Discount Program is as follows:

- Rate Year One - \$25 million
- Rate Year Two - \$31.9 million
- Rate Year Three - \$31.9 million

Per the Low Income Order, KEDNY will adjust the energy burden target and benefit levels for all Rate Years, including Rate Year One, to align the rate allowance to the two percent budget cap, if necessary. The rate allowance is subject to reconciliation, as set forth in Section 6.1.2.

9.1.4 On Track Program

KEDNY's On Track Program is discontinued; provided, however, that any customers enrolled in the On Track Program prior to the Effective Date will be allowed to continue in the program until they either complete the program, voluntarily exit the program, or are removed from the program because of non-compliance with the program's terms and conditions.

9.2 Economic Development Grant Programs

KEDNY will administer its portfolio of Economic Development Grant Programs at an annual funding level of \$2.000 million, subject to a downward only reconciliation over the term of the KEDNY Rate Plan, as set forth in Section 6.1.9. KEDNY may shift funds among its Economic Development Grant Programs to respond to customer

demands, regional economic development priorities, and market conditions. Multi-family buildings will not be eligible to participate in the Cinderella program.

9.3 Customer Conversion Rebate Program

KEDNY's rates reflect an expense allowance of \$0.200 million in each Rate Year to support a customer conversion rebate program. This allowance may be used by KEDNY (i) to support combined heat and power projects, (ii) to support gas air conditioning projects, and/or (iii) to provide assistance to customers seeking to convert to natural gas who would be required as a condition of such conversions to provide a contribution in aid of construction. The program is capped at \$0.200 million annually and subject to a downward only reconciliation over the term of the KEDNY Rate Plan, as set forth in Section 6.2.6.

9.4 Growth Incentive

KEDNY will accrue a positive incentive in each Rate Year of one basis point for each 10 percent increase in customers KEDNY is able to achieve incremental to the customer growth target of 7,000 total customers based on the actual total count of customers at the beginning of each Rate Year. Specifically, KEDNY would accrue a positive incentive of one basis point for each block of 700 firm customers (excluding non-firm customers who migrate to firm service) that KEDNY adds above the growth target. The incentive is capped at five basis points.

In addition, KEDNY will earn a positive incentive in each Rate Year of one basis point for each 10 percent increase in customer conversions for firm non-heat classifications to firm heating classifications that KEDNY is able to achieve incremental

to 1,000 conversions annually. These conversions are net of and do not include any inactive accounts or KEDNY administrative customer adjustments. Specifically, KEDNY would earn a positive incentive of one basis point for each block of 100 customers that it converts to firm heating from non-heating classes above a conversion target of 1,000 customers. The incentive is capped at five basis points. The target is established for each Rate Year individually so that the results of one Rate Year do not impact the results of any other Rate Year.

9.5 Natural Gas Vehicles

KEDNY's rates reflect an expense allowance of \$0.475 million in each Rate Year to support conversions of motor vehicles to natural gas. KEDNY may use these funds to support conversions to natural gas vehicles ("NGVs") by customers that will fuel their NGVs in KEDNY's service territory.

Within 90 days of the Effective Date, KEDNY will prepare and file with the Commission a study of the potential for conversions of diesel fueled vehicles to NGVs in KEDNY's service territory. This study will address (i) the potential for diesel conversions and (ii) the funds available to support such conversions, and will contain a proposal for an incentive that would be earned by KEDNY if it was successful in achieving such conversions. These proceedings will remain open to permit the Commission to address KEDNY's incentive proposal.

9.6 Third-Party Payment Center Processing Fees

KEDNY customers who utilize an authorized third-party payment center, such as Western Union, to pay their KEDNY bill will not be assessed the per-transaction fee of

\$1.25. The annual costs of these fees of \$0.410 million are included in the revenue requirement and will be subject to full reconciliation, as set forth in Section 6.2.7.

V. KEDLI Rate Plan

1. Effective Date and Term

The term of KEDLI's rate plan is three years, beginning January 1, 2017 and continuing through December 31, 2019 ("KEDLI Rate Plan"). For administrative reasons, certain targets and mechanisms are measured based on different 12 month periods, as provided herein.

2. Revenue Requirements

2.1 KEDLI Rate Plan Revenue Requirements

This Joint Proposal provides for a Rate Year One revenue requirement increase of \$112.002 million, a Rate Year Two increase of \$19.594 million, and a Rate Year Three increase of \$26.973 million for firm and non-firm customers. The components of the revenue requirement are set forth in Appendix 2, Schedule 1. The revenue requirement is based on the following parameters:

- (a). An ROE of 9.0 percent for the term of the KEDLI Rate Plan.
- (b). The interest rates for new long term debt issuances projected to occur in Rate Years One, Two, and Three were determined as of August 2, 2016.
- (c). A capital structure and overall cost of capital consisting of the following components and cost rates:

Rate Year One

	% of Capital	Annual Cost	Weighted Cost After Tax	Weighted Cost Pre Tax
Long Term Debt	51.33%	4.06%	2.09%	2.09%
Customer Deposits	0.67%	0.85%	0.01%	0.01%
Common Equity	48.00%	9.00%	4.32%	7.25%
Total	100.00%		6.42%	9.35%

Rate Year Two

	% of Capital	Annual Cost	Weighted Cost After Tax	Weighted Cost Pre Tax
Long Term Debt	51.35%	4.06%	2.09%	2.09%
Customer Deposits	0.65%	0.85%	0.01%	0.01%
Common Equity	48.00%	9.00%	4.32%	7.25%
Total	100.00%		6.42%	9.35%

Rate Year Three

	% of Capital	Annual Cost	Weighted Cost After Tax	Weighted Cost Pre Tax
Long Term Debt	51.40%	4.02%	2.07%	2.07%
Customer Deposits	0.60%	0.85%	0.01%	0.01%
Common Equity	48.00%	9.00%	4.32%	7.25%
Total	100.00%		6.40%	9.33%

(d). A Rate Year One rate base of \$2.303 billion, a Rate Year Two rate base of \$2.490 billion, and a Rate Year Three rate base of \$2.694 billion.

(e). KEDLI's gas transmission, distribution, and general plant depreciation rates have been updated and are set forth in Appendix 2, Schedule 2.

2.2 Levelization of Rate Increase

The Signatory Parties propose that the base rate increases be implemented on a levelized percentage basis to provide rate stability to customers over the term of the KEDLI Rate Plan. The annual levelized revenue changes are set forth in Appendix 2, Schedule 3. The levelized amounts were calculated using a carrying charge rate equal to the sum of 50 percent of National Grid USA's money pool borrowing rate and 50 percent of KEDLI's after tax weighted average cost of capital as set forth above.

2.3 Make Whole Provision

To the extent Commission approval of this Joint Proposal occurs after January 1, 2017, KEDLI will recover the revenue shortfall resulting from the extension of the suspension period through a make whole provision. The make whole provision is designed to ensure that by December 31, 2017 KEDLI is restored to the same financial position it would have been in had rates gone into effect on January 1, 2017.

KEDLI will calculate any revenue adjustments as the difference between (i) sales revenues KEDLI would have billed at new rates during the extension of the suspension period and (ii) the same level of sales revenue at current rates. The revenue adjustments will include all applicable surcharges and carrying charges and be subject to reconciliation in accordance with all applicable adjustment mechanisms (including revenue decoupling, where applicable). Financial true-up targets established in this Joint Proposal, as well as depreciation and amortization expense, will be applied to the extension of the suspension period. All accounting/ratemaking will be in accordance with this Joint Proposal and be effective as of January 1, 2017. An example of the make whole calculation is set forth in Appendix 2, Schedule 4.

3. Revenue Allocation and Rate Design

3.1 Revenue Forecast

KEDLI's revenue forecast at current rates is set forth in Appendix 4, Schedule 1. The delivery rate revenue forecast used to develop base rates and the reconciliation to total gas Operating Revenue for the Rate Years is set forth in Appendix 4, Schedule 1.1.

3.2 Revenue Allocation

The Rate Year One revenue increase will be allocated to all firm service classifications except SC 1B-DG, SC 5-1B-DG, SC 5-17, and SC 17 to achieve a distribution rate increase on a pro rata basis proportionate to delivery revenues as set forth on Appendix 4, Schedule 2. Revenue increases in Rate Years Two and Three will be allocated in a similar manner as set forth on Appendix 4, Schedule 3.

3.3 Rate Design – Firm Service Classifications

As set forth in Appendix 4, Schedules 4.1 through 4.3, in each Rate Year, within each firm service classification, each rate block will receive an equal percentage increase. Appendix 4, Schedules 4.1 through 4.3 also identifies the minimum charge rates for each firm service classification. Bill impacts resulting from this rate design are shown in Appendix 4, Schedules 5.1 through 5.3.

3.4 Rate Design – TC and IT Services

KEDLI's existing TC and IT services rate design will be modified as follows and as shown in Appendix 4, Schedule 6:

(a). TC and IT volumetric delivery rates will be set at the otherwise applicable rate class tail block rate;

(b). The demand charge applicable to TC sales customers is set forth in Appendix 4, Schedule 9. There is no demand charge for IT customers.

(c). TC/IT customers will be assessed the Billing Charge; and

(d). TC/IT sales customers will be assessed the MFC.

3.5 MFC

KEDLI's MFC will be modified as follows:

(a). the methodology for calculating commodity-related uncollectible account expense will be aligned with the methodology adopted by the Commission for NMPC in Case 08-G-0609, such that the commodity-related uncollectible account expense component of the MFC will be calculated each month by multiplying the uncollectible rate of 1.0593 percent by the Monthly Cost of Gas as set forth in the GAC;

(b). the methodology for calculating commodity-related working capital expense will be aligned with the methodology adopted by the Commission for NMPC in Case 08-G-0609, such that the working capital component of the MFC will be calculated each month by multiplying the lead/lag rate of 7.76 percent by the pre-tax weighted average cost of capital and further multiplying that product by the per therm Monthly Cost of Gas as set forth in the GAC Statement;

(c). the return requirement on gas in storage inventory, which utilizes the authorized pre-tax weighted average cost of capital in each Rate Year, will be modified to account for the change in the treatment of storage under KEDLI's retail access program;

(d). the MFC calculation will be modified to add TC, IT, and SC 9-NGV sales customers' therms into the MFC calculation; and

(e). the MFC annual expense targets will be established and recorded on the same basis as the GAC – September 1 through August 31. KEDLI will reconcile the period from January 1 through August 31, 2017 to account for the time between the current reconciliation and the new Rate Year One reconciliation period. Appendix 4, Schedule 7.1 sets forth the reconciliation.

3.6 LAUF

3.6.1 Targets and Deadbands

The LAUF targets and deadbands are as follows:

KEDLI	2017	2018	2019
LAUF Target	1.476%	1.284%	1.092%
Upper Band	2.476%	2.168%	1.860%
Lower Band	0.476%	0.401%	0.325%

3.6.2 NYFS LAUF

KEDNY and KEDLI agree that a positive LAUF factor is reasonable for gas transported through the NYFS and will use commercially reasonable efforts to negotiate with Con Edison for an appropriate LAUF gas factor on all volumes transported through the NYFS such that the net receiver of gas through the NYFS will be charged a LAUF contribution. NYFS costs are addressed in Section VI.21.

3.6.3 Inactive Accounts Adjustment

Beginning September 1, 2017, KEDLI will remove from the LAUF calculation an estimate of gas usage associated with meters that have been “inactive” for more than 90 days. Inactive meters are those that are not associated with an active customer account.

To estimate usage, KEDLI will develop usage proxies that will be applied to meters that were inactive 90 days or more during each GAC period beginning September 1, 2017. To determine the proxies, KEDLI will calculate a monthly class-average use on inactive meters that continue to report consumption during the GAC year. The applicable historic reference proxy will be applied to each meter that is inactive 90 days or more to determine the amount of gas to be excluded from the LAUF calculation.

3.7 Paperless Billing Credit

KEDLI will implement a paperless bill credit of \$0.35 per service period for all customers who receive their bill electronically.

3.8 Weather Normalization Adjustment

KEDLI's Weather Normalization Adjustment will be modified to eliminate the deadband for SC 2 and SC 3 because these classes will have an RDM. In addition, KEDLI will post information on its website that will provide customers information as to how the Weather Normalization Adjustment factor is calculated. The posted information will include the class base load factor, degree day factor, margin, and actual and normal degree days. In addition, customers may contact KEDLI's call center for further assistance.

3.9 Brooklyn Navy Yard Cogeneration Partners Revenues

KEDLI will pass 100 percent of the revenues from its agreement with Brooklyn Navy Yard Cogeneration Partners to firm sales and transportation customers through the GAC and the transportation adjustment clause ("TAC").

3.10 RDM

KEDLI's RDM will be adjusted to reflect updated revenue-per-customer targets for SC 1B and to implement revenue-per-class RDMs for SC 2 and SC 3 that allow KEDLI to keep all revenues calculated at the marginal cost rates as set forth in the marginal cost study sponsored by KEDLI's Rate Design Panel from customer growth above the customer forecasts reflected in the Rate Years. KEDLI will exclude revenues obtained from TC and IT customers that migrate to SC 2 and SC 3 firm services. An example of the RDM calculation, including examples of the calculation for CY 2020 and the exclusion of revenues from TC and IT customers that migrate to SC 2 and SC 3 firm services, is set forth in Appendix 4, Schedules 8 through 8.4.

3.11 Tariff Modifications

3.11.1 GAC Reconciliation

KEDLI will modify its monthly cost of gas calculation to implement a common per therm gas fixed cost and common per therm fixed cost credit. KEDLI will determine the per dekatherm fixed gas cost for each service class grouping by allocating the fixed gas costs of the gas assets to the service class groupings proportionate to each service class groupings' estimated use of peak day, winter season, and annual gas as illustrated on Appendix 4, Schedule 9. Fixed cost credits will be allocated in the same manner as fixed gas costs.

3.11.2 Gas Tariff Provisions

KEDLI will be permitted to modify its monthly cost of gas imbalance adjustments to (i) expand the period that monthly imbalance surcharges or refunds take effect to

include October 1 through July 31 and (ii) eliminate the \$0.05 per therm cap. KEDLI will also be permitted to include adjustments each March 1st to its currently effective annual cost of gas imbalance factor to include any residual gas cost imbalance, including simple interest, associated with the recovery of the prior year's annual cost of gas imbalance factor.

3.11.3 TC/IT System Upgrade Charges

KEDLI will amend its tariff to permit TC and IT customers upgrading to firm service to have the option to pay the costs of system upgrades assessed to customers through a surcharge. The surcharge will be calculated in a manner generally consistent with KEDLI's main extension surcharge, including the calculation of carrying charges for the cost of system upgrades financed through the surcharge.

3.11.4 Consolidated Billing Charge

KEDLI's Consolidated Billing Charge will be increased from \$0.65 per bill to \$1.02 in Rate Year One, to \$1.39 in Rate Year Two, and to \$1.76 in Rate Year Three.

3.11.5 Service Classification Changes

KEDLI will terminate SC 10 NGV service.

Additionally, SC 9 Uncompressed NGV service will be modified to (i) remove the reference to the Statement of Natural Gas Vehicle Charges, (ii) include the delivery rate for consumption in excess of the first three therms, and (iii) to provide that gas costs will be assessed at the GAC.

3.11.6 Gas Tariff Fees and Charges

KEDLI will implement its updated Re-Establishment Charge of \$78.00 and Non-Residential Collection Fee of \$31.07, and its new Unproductive Field Visit Charge of \$59.47. KEDLI will also require contributions in aid of construction to support necessary system reinforcements for new non-residential and multi-family customers requesting service under SC 2 and SC 3 and capable of using five or more dekatherms per hour.

3.12 Typical Bill Information

KEDLI will post ten years of historic annual bill information on its website consisting of typical bills for SC-1, SC-2 and SC-3 customers, breaking out delivery, commodity, and surcharges. This information will be updated annually.

4. Computation and Disposition of Excess Earnings

4.1 Earnings Report

By May 31 of each year, commencing in 2018, KEDLI will file an earnings report using the methodology described in this Section and shown in Appendix 5, Schedule 2. The earnings report will be used for the Earnings Sharing Mechanism set forth in Section 4.3 below.

The earnings report will calculate KEDLI's ROE for the preceding Rate Year using a capital structure with an equity component equal to 48 percent and incorporating the adjustments set forth below. In the event of a partial or "stub" period, the earnings sharing threshold of greater than 9.5 percent will be prorated to develop a stub period earnings sharing threshold. The stub period will be calculated by adjusting the actual average rate base for that period by an operating income ratio factor. The operating

income ratio factor will be calculated as the ratio of operating income during the same partial period in the previous Rate Year to the total operating income for that Rate Year. An example of the calculation for the stub period is shown in Appendix 5, Schedule 2.

4.2 Discrete Incentives and Revenue Adjustments

KEDLI will calculate its ROE by excluding the effects of discrete incentives and negative and positive revenue adjustments.

4.3 Earnings Sharing Mechanism

If KEDLI's actual ROE in any Rate Year, excluding discrete incentives and negative and positive revenue adjustments, exceeds 9.5 percent, the amount in excess of 9.5 percent will be deemed "shared earnings" for the purposes of this Joint Proposal and be treated as follows:

4.3.1 Sharing > 9.5% and ≤ 10.0%

If the level of earned ROE for KEDLI exceeds 9.5 percent but is less than or equal to 10.0 percent, 50 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 50 percent will be retained by KEDLI.

4.3.2 Sharing > 10.0% and ≤ 10.5%

If the level of earned ROE for KEDLI exceeds 10.0 percent but is less than or equal to 10.5 percent, 75 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 25 percent will be retained by KEDLI.

4.3.3 Sharing > 10.5%

If the level of earned ROE for KEDLI exceeds 10.5 percent, 90 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 10 percent will be retained by KEDLI.

The Earnings Sharing Mechanism will be modified if KEDLI does not file for new rates to be effective on or before July 1, 2020, as set forth in Section VI.17.2.

5. Capital Investment Levels and O&M Programs

5.1 Capital Investment Levels

KEDLI's capital investment levels underlying the rates in this Joint Proposal (including cost of removal) are as follows:

Segment	CY16	RY1	RY2	RY3
Mandated	117,146,035	162,788,354	201,131,472	227,460,048
Reliability	9,272,627	58,237,930	91,693,848	85,617,465
Growth	111,348,506	94,384,129	79,030,854	79,209,424
Non-Infrastructure	1,593,721	4,133,613	4,310,065	3,001,037
Customer		999,212		
Facilities	750,000	250,000	250,000	250,000
Fleet & IM-IR	271,825	1,645,000	1,030,000	420,000
Total	240,382,714	322,438,238	377,446,239	395,957,974

Appendix 2, Schedule 5 sets forth KEDLI's forecast level of capital investment by program for each Rate Year, as well as CY 20. Notwithstanding the specified segment-level spending amounts, nothing in this Joint Proposal is intended to limit KEDLI's flexibility during the term of the KEDLI Rate Plan to substitute, change, or modify its capital projects.

5.2 LPP Risk Ranking Algorithm

KEDLI will use its risk based prioritization algorithm to identify and rank segments of LPP to be removed from service. Beginning with LPP replacements performed in Rate Year Two, KEDLI will apply its risk ranking algorithms such that, where LPP segments have equal risk rankings, priority will be given to removing LPP in designated flood zones (based on the 2015 FEMA preliminary flood insurance rate maps for New York City for the one percent annual chance flood event (*e.g.*, 1 in a 100 year flood). KEDLI will also consider methane emission flow rate data (*i.e.*, volume of methane emissions released over time) as a factor in prioritizing LPP segments for removal.

5.3 Pipe Lining

KEDLI's capital program includes a program to utilize CIP pipe lining to recondition large diameter cast iron and steel mains. Any LPP main segments treated with CIP lining will remain in KEDLI's LPP inventory.

5.4 LPP Productivity Incentive

KEDLI's rates reflect the following unit costs (exclusive of associated O&M expense) for LPP replacements: CY17 - \$226/foot, CY18 - \$236/foot, and CY19- \$242/foot. If KEDLI achieves unit cost savings for LPP replacements in a Rate Year as compared to the unit costs reflected in rates, it will accrue a positive revenue adjustment as follows:

KEDLI	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost Savings (%)	0 to < 1.50	≥ 1.50 to < 3.00	≥ 3.00 to < 4.50	≥ 4.50 to < 6.00	≥ 6.00 to < 7.50	≥ 7.50
Unit Cost CY17	\$226 to > \$223	≤ \$223 to > \$219	≤ \$219 to > \$216	≤ \$216 to > \$212	≤ \$212 to > \$209	≤ \$209
Unit Cost CY18	\$236 to > 232	≤ \$232 to > \$229	≤ \$229 to > \$225	≤ \$225 to > \$222	≤ \$222 to > \$218	≤ \$218
Unit Cost CY19	\$242 to > 238	≤ \$238 to > \$235	≤ \$235 to > \$231	≤ \$231 to > \$227	≤ \$227 to > \$224	≤ \$224
Basis Points ¹⁹	0	2	4	6	8	10

KEDLI's eligibility for the LPP Productivity Incentive in each Rate Year is conditioned upon KEDLI removing, at a minimum, the Minimum Removal Target (see Section 8.1.1). Unit costs for purposes of the LPP Productivity Incentive will be calculated by dividing KEDLI's actual costs for proactive LPP removals by the total number of LPP feet removed from service through KEDLI's proactive main replacement program in the relevant Rate Year. Any positive incentive earned in a Rate Year will be collected through the Gas Safety and Reliability Surcharge (see Section 5.5 below) in the following year. An illustrative example of this incentive mechanism is provided in Appendix 7, Schedule 11.

5.5 Gas Safety and Reliability Surcharge

KEDLI will establish a Gas Safety and Reliability Surcharge to recover (i) the cost to replace incremental LPP (Section 5.5.1), (ii) the cost to repair additional Type 3

¹⁹ One pre-tax basis point is equivalent to approximately \$185,000 in revenues.

leaks (Section 5.5.2), and (iii) any positive revenue adjustments earned for LPP productivity, LPP removals, and leak repairs (Sections 5.4, 8.1.2, and 8.2.2).

5.5.1 Recovery of Incremental LPP Replacement Costs

The Gas Safety and Reliability Surcharge will provide a return on investment, depreciation expense, and related O&M expense (*i.e.*, disconnects and reconnects) associated with removing from service incremental miles of LPP miles above the cumulative proactive removal mileage funded in base rates:

Rate Year	Cumulative Proactive Removal Threshold (miles)*
One	107
Two	234
Three	381

*Excludes any miles removed through the City/State Construction program or already recovered through the Gas Safety and Reliability Surcharge.

For each proactive mile removed above the proactive removal threshold, KEDLI will be allowed to recover the associated revenue requirement calculated as the lesser of (i) KEDLI’s average capital and O&M replacement cost per mile of LPP in the Rate Year or (ii) 102 percent of the capital and O&M unit cost allowances for LPP replacement in the given Rate Year.

5.5.2 Recovery of Incremental Leak Repair Costs

KEDLI will be permitted to recover through the Gas Safety and Reliability Surcharge the cost to eliminate up to 250 incremental leaks a year in excess of its total leak reduction targets (see Section 8.2.1). Repair cost will be based on KEDLI’s rate

allowance for leak repairs (\$3,140 in Rate Year One, \$3,206 in Rate Year Two, and \$3,273 in Rate Year Three). KEDLI will target the system leaks based on methane flow rates, as described in Section 8.2.2.

5.5.3 Gas Safety and Reliability Surcharge Calculation

The Gas Safety and Reliability Surcharge will be developed as a per therm surcharge that will appear on the Statement of Gas Safety and Reliability Surcharge. The surcharge will be calculated by first allocating the return on investment, depreciation expense, and O&M expense (*i.e.*, disconnects and reconnects) associated with incremental LPP investment, leak repair costs, and any positive revenue adjustments earned for LPP productivity, LPP removals, or leak repairs to each firm service class by forecast delivery revenues established in this Joint Proposal, then developing a per therm rate per service class, and will be collected in the DRA. The Gas Safety and Reliability Surcharge will be reconciled annually and included in the DRA recovered from firm sales and firm transportation customers beginning April 1st of the following Rate Year. An illustrative example of the Gas Safety and Reliability Surcharge calculation, including examples of the incremental proactive LPP replacement, leak repair, and positive revenue adjustment recovery mechanisms, is provided in Appendix 7, Schedule 11.

5.6 Capitalization Policies

5.6.1 Corrosion Control Activities

KEDLI is authorized to capitalize the corrosion control activities set forth in the table below in accordance with Accounting Standards Codification 360, the Federal Energy Regulatory Commission's accounting regulations and International Accounting

Standard 16. Testing and inspection activities related to corrosion control will remain as expensed items.

Activity Description	Accounting Treatment
Install test station (TS) on Main	Capital
Replace existing TS	Capital
Install TS on main across Insulated Joints (IJ)	Capital
Install TS on Distribution Service	Capital
Install TS on Main with anode(s)	Capital
Install TS on main across IJ with anode(s)	Capital
Install TS on Distribution Service with anode(s)	Capital
Install/Replace IJ at Meter	Capital
Install/Replace IJ at Distribution Service Tie-in	Capital
Install/Replace IJ on Main	Capital
Special Request - Renew Service with Plastic	Capital
Install new Rectifier	Capital
Relocate Existing Rectifier	Capital
Recoat Main	Capital

5.6.2 In-Line Inspections

KEDLI will capitalize and expense its costs associated with in-line inspections of gas transmission pipeline consistent with the Commission's May 19, 2016 Order in Case 15-M-0744.

5.7 EDF – Methane Leak Pilot Programs

KEDLI will collaborate with EDF to implement methane reduction pilot programs that will, *inter alia*, gather and analyze leak flow data to prioritize system investments and leak repairs. In its next rate case, KEDLI will report on the results of the pilot and any recommendations.

5.8 Inside Meter Relocations

Beginning in Rate Year Two, KEDLI will relocate gas meters located inside premises to outside the premises when replacing or relocating gas service lines as part of the LPP replacement program, except in cases where (i) the customer refuses permission to relocate the meter outside, (ii) local building codes or similar regulations prohibit outside meters, (iii) exterior or interior obstacles prevent meter relocation, or (iv) the gas meter should not be moved outside for safety reasons. KEDLI will supplement its annual reporting on meter relocations to include, for the gas service lines relocated or replaced, the number of meters moved outside and, for the meters that were not moved outside, the specific reason why they were not moved.

5.9 First Responder Training

KEDLI's training program regarding the appropriate response to gas related emergencies offered to local fire departments and other first responders will include a combination of online and in-person gas safety training and education. Among other program components, KEDLI will advance first responder coordination through additional integrated field response drills. In addition, KEDLI's training will continue to enhance communication and coordination between KEDLI's field personnel and fire departments and other first responders in KEDLI's service territory. KEDLI's annual gas safety report (see Section 8.6) will include a summary of its first responder training plans. KEDLI will also provide Gas Safety Staff with the dates and locations of all planned field drills.

6. Reconciliations, Deferrals, and True-Ups

6.1 Existing Reconciliations, Deferrals, and True-Ups

Appendix 7, Schedule 1, sets forth KEDLI's deferral accounts and other regulatory assets and liabilities forecast balances as of December 31, 2016. With the exception of the deferral accounts and other regulatory assets and liabilities identified as "Discontinued" on Schedule 1, KEDLI is authorized to continue its use of reconciliation mechanisms and/or deferral accounting (with certain modifications) with respect to the expenses set forth in Schedule 1.²⁰ In addition, KEDLI will continue its use of all other reconciliation mechanisms and/or deferral accounting pursuant to Commission authorization.

Except where otherwise noted, KEDLI will accrue carrying charges on all deferral accounts and other regulatory assets and liabilities, net of deferred taxes, calculated using the pre-tax weighted average cost of capital for the respective Rate Year. An example of the calculation of carrying charges is set forth in Appendix 7, Schedule 1.

6.1.1 Pension and OPEB Expenses

KEDLI will continue to defer and reconcile its actual pension and OPEB expenses to the levels allowed in rates (set forth in the tables below) in accordance with the Commission's P&OPEB Statement of Policy. Carrying charges will not be calculated on

²⁰ The deferral accounts and other regulatory assets and liabilities identified as "Discontinued" on Schedule 1 will be discontinued as of the Effective Date. These accounts contain forecast balances as of December 31, 2016, which are set forth in Schedule 1. The discontinuance of these accounts is not intended to preclude KEDLI from returning to or recovering from customers the balances as of December 31, 2016 plus any applicable carrying charges.

pension or OPEB deferred balances. An example of the reconciliation is set forth in Appendix 7, Schedule 2.

Pension Expense		
Rate Year One	Rate Year Two	Rate Year Three
\$18.519 million	\$14.902 million	\$10.800 million

OPEB Expense		
Rate Year One	Rate Year Two	Rate Year Three
\$10.637 million	\$9.502 million	\$9.318 million

For purposes of determining KEDLI's internal reserve and the carrying costs that apply to that reserve, KEDLI is authorized to combine the funding of its pensions and OPEBs, and to offset, for example, any deficiencies in OPEBs funding with any excess pension funding. KEDLI will accrue and defer carrying charges on the net unfunded pension and OPEBs amounts, until the net unfunded amount is funded.

6.1.2 Low Income Discount Program

KEDLI will continue its Low Income Discount Program as set forth in Section 9.1. Each Rate Year, KEDLI will fully reconcile Low Income Discount Program costs to the amounts reflected in rates. Amounts in excess of the rate allowance will be deferred for future recovery from customers. Any under expenditures will be deferred for future use in a low income program. An example of the reconciliation is set forth in Appendix 7, Schedule 3.

In addition, the Signatory Parties acknowledge that KEDLI has stated there will be costs to implement the requirements of the Low Income Order, including outreach and education and IS costs, and costs to implement the file match with CNY's HRA for the Rockaways portion of KEDLI's service territory (the file match is discussed in Section

9.1.1 below). KEDLI will file an Implementation Plan in accordance with the requirements of the Low Income Order that will include an estimate of all such implementation costs. KEDLI is authorized to include in the low income deferral all implementation costs approved by the Commission in Case 14-M-0565, unless the Commission specifies another means of recovery.

6.1.3 Exogenous Costs

One hundred percent of all Exogenous Costs (including any credits) associated with or caused by an individual instance (as described below) will be deferred, once such costs exceed the threshold set forth below. If Exogenous Costs in any one Rate Year exceed three percent of KEDLI's pre-tax utility income (determined in accordance with the methodology set forth above for the Earnings Sharing Mechanism) for the year in which the change first occurs (the "Exogenous Cost Threshold"), the total impact of the Exogenous Costs will be deferred. "Exogenous Costs" means all of the incremental effects on KEDLI's costs, revenues, or revenue requirements above or below the amounts set forth in Appendix 2, Schedule 1 associated with or caused by an individual instance of:

- (a). any externally imposed accounting change;
- (b). any change in the federal, state, or local rates, laws, or regulations governing income, revenue sales, or franchise taxes; or
- (c). any legislative, court, or regulatory change that imposes new or modifies existing obligations or duties (*e.g.*, incremental municipal permitting and paving requirements).

In determining its Exogenous Costs, KEDLI will also be permitted to consider as a single Exogenous Cost all changes in costs arising from multiple municipalities' laws, regulations, or ordinances relating to the same subject matter. In addition, the Signatory Parties recognize that there is a pending PHMSA rulemaking that could impact multiple areas of KEDLI's operations during the term of its rate plan, including with regard to pipeline integrity management and verification requirements. Should PHMSA, or other pipeline safety regulator, adopt new rules, regulations, or requirements that collectively increase KEDLI's pipeline safety compliance costs in excess of the Exogenous Cost Threshold, KEDLI may defer the changes in costs resulting from the PHMSA rulemaking or changes to pipeline safety regulations, subject to review by Staff and the Commission.

In the event that Exogenous Costs are incurred, KEDLI will file a letter with the Secretary setting forth the rationale for the deferral and its calculation. Any disagreement associated with the filing will be referred to the Commission for a decision.

6.1.4 SIR Expense

(a). *SIR Expense and Deferral*

The rate allowance for SIR expense for each Rate Year includes (i) one-tenth of the forecast SIR deferral balance as of December 31, 2016 (\$14.168 million) and (ii) forecast SIR costs (\$13.402 million in Rate Year One, \$7.442 million in Rate Year Two, and \$4.648 million in Rate Year Three) (the "Forecast Rate Allowance").

Each Rate Year, KEDLI will fully reconcile actual SIR expense to the Forecast Rate Allowance. Any under or over expenditures will be deferred for future refund to or recovery from customers. An example of this reconciliation is set forth in Appendix 7, Schedule 4. In the event that KEDLI incurs unanticipated expenses relating to SIR costs

incremental to the forecast rate allowance, KEDLI may file a petition requesting that the Commission approve recovery of incremental costs through KEDLI's SIR Recovery Surcharge.

(b). *Other Provisions*

KEDLI will continue to charge to SIR accounting the costs to pursue recovery (e.g., attorney, expert, and consultant fees) as they are incurred and credit 100 percent of recoveries from insurance carriers and/or other potentially responsible parties as they are received.

In the event that KEDLI disposes of any property upon which SIR investigation and remediation activities have occurred, it will continue to credit after-tax gains resulting from such disposition to the total SIR cost for the specific site.

6.1.5 Property and Special Franchise Taxes

Each Rate Year, KEDLI will reconcile actual property and special franchise taxes expense to the rate allowance. The difference between actual property and special franchise taxes expense, excluding the effects of tax refunds, and the rate allowance (\$139.792 million in Rate Year One, \$148.748 million in Rate Year Two, and \$157.923 million in Rate Year Three) will be deferred for future refund to or recovery from customers. Differences will be shared 85 percent/15 percent between customers and KEDLI, respectively. An example of this reconciliation is set forth in Appendix 7, Schedule 5.

If KEDLI is successful in obtaining tax refunds, it will have the right to petition the Commission to share in such refunds. Other parties may take any position concerning any petition filed by KEDLI. For the property tax refunds that are the subject of Cases

Case 16-G-0058

Case 16-G-0059

11-G-0601 and 13-G-0498, KEDLI will credit customers 90 percent of the amount collected adjusted for carrying costs and net of its costs to achieve the refunds. For the refund that is the subject of Case 14-G-0503, KEDLI will credit customers 100 percent of the refund received adjusted for carrying costs and net of its costs to achieve the refunds. If KEDLI collects any additional refunds associated with these tax cases, it will credit customers on the same basis.

The provision dealing with the Nassau County litigation set forth in KEDLI's previous rate plan²¹ will continue. One hundred percent of any tax refunds or reductions KEDLI may obtain through litigation or settlement of the Nassau County litigation will be retained by KEDLI and not shared with customers.

6.1.6 Negative or Positive Revenue Adjustments

KEDLI will defer any negative or positive revenue adjustments associated with the Service Quality Program (Section 7) or the Gas Safety Performance Metrics (Section 8), or any positive growth incentive or incentive related to the Empower Replacement Program Earnings Adjustment Mechanism (Section 9). Any negative revenue adjustments associated with the Gas Safety Performance Metrics will be applied to future incremental safety programs.

6.1.7 TC and IT Services

Each Rate Year, KEDLI will fully reconcile actual TC and IT Services revenues to the amounts imputed in the revenue requirement (\$2.029 million in Rate Year One,

²¹ Case 06-G-1186, *et al*, Proceeding on Motion of the Commission as to the Rates Charges, Rules and Regulations of KeySpan Gas East Corporation d/b/a KeySpan Energy Delivery Long Island for Gas Service, Sections X(C)(2) of the *Merger and Gas Revenue Requirement Joint Proposal*, at 24-25.

\$2.126 million in Rate Year Two, and \$2.244 million in Rate Year Three). An adjustment will be made to the revenue targets above to remove forecast revenues for TC/IT customers that migrate to firm service, as illustrated in Appendix 4, Schedule 8.4. Any difference between actual and imputed revenues will be credited or surcharged to firm sales and firm transportation customers through the DRA for the 12-month period starting March 1.

6.1.8 Electric Generator Revenues

KEDLI will reconcile the difference between the electric generator revenues imputed in its revenue requirement and the actual revenues it recovers from the electric generators in each Rate Year. Any difference would be credited or surcharged to firm sales and firm transportation customers through the DRA for the 12-month period starting March 1st.

6.1.9 Economic Development Grant Programs

KEDLI will continue its Economic Development Grant Programs as set forth in Section 9.3 at an annual funding level of \$2.000 million, subject to a downward only reconciliation over the term of the KEDLI Rate Plan. Any under expenditures in a given Rate Year will be carried forward and reconciled at the end of Rate Year Three. Spending in any one Rate Year may not exceed \$3.000 million. An example of the reconciliation is set forth in Appendix 7, Schedule 6.

In the event of any anticipated over expenditures, KEDLI may petition the Commission for deferral treatment and will have no obligation to make any expenditures

in excess of the rate allowance unless and until the Commission authorizes KEDLI to defer such excess amounts for future recovery.

6.1.10 RDM

The RDM reconciliation as modified in Section 3.10 above will continue.

6.1.11 Continuing Gas Reconciliation Mechanisms

The following gas reconciliation mechanisms will continue outside of base rates:

(a). System Benefits Charge program costs, which includes the Clean Energy Fund surcharge and the Energy Efficiency Tracker surcharge, will be reconciled pursuant to the Commission's January 21, 2016 Order in Case 14-M-0094 and January 22, 2016 Order in Case 15-M-0252. Carrying charges will be calculated using the other customer capital rate. KEDLI will continue to recover lost revenues attributable to these programs for non-RDM service classes per the Tariff (PSC No. 1).

(b). Temporary State Assessment fees (PSL § 18-a) will be reconciled pursuant to PSC No. 1, Leaf 119.51.

(c). KEDLI will continue to recover and reconcile its cost of gas in accordance with PSC No. 1, Leaves 73 through 73.3. Carrying charges will be calculated using the other customer capital rate.

(d). The LAUF reconciliation as modified in Section 3.6 above will continue. Carrying charges for the annual LAUF reconciliation will be calculated at the other customer capital rate.

(e). KEDLI will implement a System Performance Adjustment Mechanism. Carrying charges will be calculated at the other customer capital rate.

(f). KEDLI's existing gas cost incentive program will continue as set forth on PSC No. 1, Leaf 15.1.

6.2 New Reconciliations, Deferrals, and True-Ups

The following new deferral accounts will be implemented. KEDLI will accrue carrying charges on the new deferral account balances calculated using the pre-tax weighted average cost of capital for the respective Rate Year.

6.2.1 Net Utility Plant and Depreciation Expense

Reconciliation Mechanism

KEDLI will implement a downward only Net Utility Plant and Depreciation Expense Reconciliation Mechanism. Each Rate Year, KEDLI will reconcile its actual average net utility plant and depreciation expense revenue requirement to the target average net utility plant and depreciation expense revenue requirement (\$345.358 million for Rate Year One, \$374.925 million for Rate Year Two and \$404.979 million for Rate Year Three).

The average net utility plant and depreciation expense revenue requirement will be calculated by applying KEDLI's pre-tax weighted average cost of capital in the respective Rate Years (9.35 percent in Rate Year One, 9.35 percent in Rate Year Two, and 9.33 percent in Rate Year Three) to the average net utility plant balance and adding the depreciation expense to the product.

The difference between the actual average net utility plant and depreciation expense revenue requirement and the target average net utility plant and depreciation expense revenue requirement will carry forward for each Rate Year and be summed at the

end of Rate Year Three. As illustrated in Appendix 7, Schedule 7, if, at the end of Rate Year Three, the cumulative actual gas average net utility plant and depreciation expense revenue requirement is negative, KEDLI will defer the revenue requirement impact for the benefit of customers. If, at the end of Rate Year Three, the cumulative actual average net utility plant and depreciation expense revenue requirement is positive, there will be no deferral. In years that incremental LPP replacement costs are recovered through the Gas Safety and Reliability Surcharge, the net plant and depreciation components of the Gas Safety and Reliability Surcharge for incremental LPP replacement costs will be added to the overall Net Utility Plant and Depreciation Expense Mechanism target to avoid any double recovery.

The reconciliation mechanism will apply to KEDLI's aggregate total average net plant and depreciation expense combined, and not to individual components. The net plant target balances and reconciliation will not consider the impact of ADIT.

As of January 1, 2020, the Net Utility Plant and Depreciation Expense Reconciliation Mechanism will be converted into a two-way tracker, as described in Section VI.17.2.

6.2.2 City/State Construction

The projected levels of KEDLI's City/State Construction expenditures, net of reimbursements, for Rate Years One, Two, and Three are set forth below:

Rate Year	CSC Forecast
Rate Year One	\$9.388 million
Rate Year Two	\$9.699 million
Rate Year Three	\$9.893 million

To the extent that KEDLI's actual capital spending for City/State construction, net of reimbursements, differs from the forecast amount in a Rate Year, KEDLI will defer the revenue requirement effect (excluding O&M expenses) associated with 90 percent of the difference for future recovery from or return to customers. KEDLI will submit a filing to the Secretary that demonstrates that the City/State Construction costs incurred in excess of the rate allowance were reasonable and beyond KEDLI's control. Any disagreement associated with the filing will be referred to the Commission for decision. An example of this reconciliation is set forth in Appendix 7, Schedule 12. As illustrated in Appendix 6, Schedule 14 for KEDNY, the City/State Construction reconciliation will work in conjunction with the Net Utility Plant and Depreciation Expense Mechanism.

6.2.3 Automatic Uploads to EPA Portfolio Manager

As described in Section VI.3, KEDLI will automate the process for energy consumption data to be uploaded to the EPA Portfolio Manager website. KEDLI will recover the costs to automate the process through a deferral that is capped at \$0.750 million, which is a combined estimate of the costs for KEDNY and KEDLI over the term of the KEDNY and KEDLI Rate Plans.

6.2.4 Variable Pay

Each Rate Year, KEDLI will defer for refund to customers any variable pay compensation amounts reflected in rates that are not paid to employees. The rate allowance for variable pay is \$4.254 million for Rate Year One, \$4.388 million for Rate Year Two, and \$4.519 million for Rate Year Three. An example of this reconciliation is set forth in Appendix 7, Schedule 8.

6.2.5 Residential Customer Conversion Rebate Program

KEDLI will implement a residential customer conversion rebate program as set forth in Section 9.4 at an annual funding level of \$0.200 million, subject to a downward only reconciliation over the term of the KEDLI Rate Plan. Any under expenditure in a given Rate Year will be carried forward and reconciled at the end of Rate Year Three. An example of the reconciliation is set forth in Appendix 7, Schedule 9.

In the event of any anticipated over expenditures, KEDLI may petition the Commission for deferral treatment and will have no obligation to make any expenditures in excess of the rate allowance unless and until the Commission authorizes KEDLI to defer such excess amounts for future recovery.

6.2.6 New Hire True-Up

Until KEDLI hires the incremental 134 FTEs included in the revenue requirement, KEDLI will reconcile monthly the actual number of FTEs hired to 134. If KEDLI has hired fewer than 134 FTEs, KEDLI will defer the revenue requirement impact of the difference for refund to customers, as illustrated in Appendix 7, Schedule

13. The reconciliation will be performed against the total number of forecast new FTEs shown in the list provided in Appendix 7, Schedule 13 (and not by position).

6.3 Additional Reconciliations, Deferrals, True-Ups

Nothing in this Joint Proposal prevents KEDLI from implementing additional reconciliations or deferral mechanisms if approved by the Commission.

7. Customer Service Quality Program

KEDLI's customer service performance will be measured for each Rate Year against a set of Customer Service Quality Performance Metrics. A total pre-tax potential negative revenue adjustment of \$9.90 million per year will be allocated across the following four performance metrics, which are described below:

- (a). PSC Complaint Rate
- (b). Customer Satisfaction Survey
- (c). Adjusted Customer Bills
- (d). Telephone Answer Response within 30 Seconds

All revenue adjustments related to the Customer Service Quality Performance Metrics will be deferred for future disposition by the Commission.

7.1 PSC Complaint Rate

A PSC complaint is initiated with a dispute being filed by, or on behalf of, a customer with the Commission. The basis of the complaint must be one within KEDLI's control. Only "charged" complaints are included in the PSC Complaint Rate metric. A complaint will be considered charged when a customer, after first having contacted KEDLI to express dissatisfaction with an action, practice, or conduct of KEDLI, and

having provided KEDLI a reasonable opportunity to address the matter, contacts the Commission to express dissatisfaction with such action, practice, or conduct. A complaint will not be charged if the contact with the Commission is for an opinion or inquiry. For the purposes of the PSC Complaint Rate metric, an “opinion” is an instance where a customer is contacting the Commission to voice a view on a particular issue or condition, such as a pending rate case, a change in rates or charges or the imposition of new rates or charges, or the level of executive compensation.

Complaints brought by ESCOs on behalf of their customers over which KEDLI has control (*e.g.*, meter issues) will be included in the PSC Complaint Rate metric, provided the ESCO follows the Commission’s designated complaint procedures and provides KEDLI with a reasonable opportunity to address the matter. ESCO complaints on behalf of customers over which KEDLI has no control, such as slamming, will not be included in the metric. For an ESCO to represent a customer with a complaint, the ESCO must follow the Commission’s procedures and obtain specific agency agreement. Questions or complaints related to KEDLI’s Retail Access programs will not be handled through KEDLI’s call center or submitted by the ESCOs to the Commission’s call center.

Complaints will be measured monthly and the metric will be based on the average of the 12 monthly scores. The measure will be as follows:

Complaints per 100,000 customers	Negative Revenue Adjustment
≤ 1.1	\$0
> 1.1	\$3,960,000

7.2 Customer Satisfaction

Customer satisfaction will be measured monthly based on the satisfaction ratings resulting from a random survey of residential customers who have contacted KEDLI. The satisfaction level will be measured based on the number of customers rating KEDLI between “6” and “10” on a ten point satisfaction scale. KEDLI will receive a minimum of 100 completed surveys per month.

Satisfaction levels will be measured monthly and the metric will be based on the average of the 12 monthly scores. The measure will be as follows:

Customer Satisfaction Index	Negative Revenue Adjustment
≥ 83.4%	\$0
< 83.4%	\$3,960,000

By April 1, 2017, KEDLI will convene a meeting with Staff and interested parties for the purpose of aligning the survey methodology used to measure customer satisfaction with the telephone survey methodology used by NMPC. The meeting will also consider whether the performance target should be changed based on a transition to the NMPC survey methodology. KEDLI will file a report concerning the results of the meeting with the Commission no later than August 30, 2017 for further Commission action as may be necessary.

7.3 Telephone Answer Response within 30 Seconds

This is a measure of the proportion of customer service calls answered by a KEDLI representative within 30 seconds, expressed as a percentage of the total calls answered.

The metric will be measured monthly and be based on the average of the 12 monthly scores. The measure will be as follows:

% Calls Answered Within 30 Seconds	Negative Revenue Adjustment
≥ 62.2%	\$0
< 62.2%	\$990,000

7.4 Adjusted Customer Bills

This is a measure of the proportion of customer bills that require later adjustment as a result of errors by KEDLI, expressed as a percentage of total customer bills. The following are not adjusted bills for purposes of the metric: an estimated bill replaced by a bill based on an actual reading; a customer reading replaced with an actual or estimated reading; a change in a customer bill because of switching to or from budget billing; or changes to correct for the responsible billing party (*e.g.*, where bills have been rendered to a prior resident, and bills are re-issued to the current resident).

The metric will be measured monthly and be based on the average of the 12 monthly scores. The measure will be as follows:

Adjusted Customer Bills	Negative Revenue Adjustment
1.69% or less	\$0
1.70% to 1.79%	\$495,000
1.80% to 1.89%	\$742,500
1.90% and over	\$990,000

7.5 Reporting

(a). KEDLI will submit an annual performance report to the Secretary within three months after the conclusion of each full calendar year. The annual performance report will include a description of the service quality measures, the method for calculating performance, the results for the period, supporting calculations of annual results in spreadsheet format, and a narrative overall assessment of customer service performance during that calendar year.

(b). KEDLI will also submit quarterly performance reports within thirty days of the conclusion of the first, second, and third quarter of each calendar year.

If KEDLI believes in any year that its inability to meet any of the established targets was attributable to *force majeure* circumstances (causes that are outside the control of KEDLI and could not be avoided with the exercise of due care), it may petition the Commission for relief from any associated negative revenue adjustment.

7.6 Tripling and Quadrupling Provisions

The potential tripling of the negative revenue adjustment amounts for failing to meet a Customer Service Quality Metric, as set forth in the Merger Order, is eliminated.

If KEDLI achieves its Customer Satisfaction metric in CY 2016, the quadrupling provision will also be eliminated.

7.7 Service Guarantee

KEDLI will continue its current service guarantee policy set forth in PSC No. 1 Leaf 50.1 of compensating customers for a missed appointment. For each missed appointment, KEDLI will provide a credit of \$30 for residential customers and \$60 for non-residential customers.

7.8 Termination and Uncollectible Incentive

To incent KEDLI to identify and implement new measures to reduce residential service terminations for nonpayment while decreasing, or maintaining, the level of bad debt from residential accounts, KEDLI will have the ability to earn a positive revenue adjustment of \$0.840 million or \$0.360 million during each Rate Year if it achieves certain targets for residential terminations and bad debt expense.

The metric will operate in the same manner as KEDNY's metric, with the exception that a benchmark and targets for KEDLI will be set as follows. By March 15, 2017, Staff, KEDLI, and other interested parties will meet to set the targets that will be applicable for Rate Years One, Two, and Three. KEDLI will file a letter with the Secretary by April 15, 2017 with the agreed upon targets that will be used for the positive revenue adjustment.

8. Gas Safety Performance Metrics

KEDLI's gas safety performance will be measured for each calendar year against a set of Gas Safety Performance Metrics. A total of 150 pre-tax basis points will be at

risk per calendar year for KEDLI's performance under the Gas Safety Performance Metrics, as described below. Any Gas Safety Performance Metrics negative revenue adjustments incurred by KEDLI will be deferred for future use in incremental safety programs.

The Gas Safety Performance Metrics will be in effect for the term of the KEDLI Rate Plan, and will continue on a year-to-year basis, unless discontinued or modified by the Commission. If KEDLI believes in any year that its inability to meet any of the established incentive targets was attributable to *force majeure* circumstances (causes that are outside the control of KEDLI and could not be avoided with the exercise of due care), it may petition the Commission for relief from any associated negative revenue adjustment.

8.1 LPP Removal Metric

8.1.1 Annual LPP Removal

KEDLI will incur a negative revenue adjustment of eight basis points should it fail to remove from service a minimum of 105 miles of LPP in CY17 and 125 miles of LPP in CY18 or a cumulative three-year total of 405 miles of LPP by the end of CY19. KEDLI will replace leak prone services in conjunction with LPP main removal efforts.

KEDLI	CY 2017	CY 2018	CY 2019
Minimum Removal Targets (miles)	105	125	405 (cumulative CY17-19)
Rate Allowance/Targets (miles)	115	135	155
Incentive Thresholds (miles)	116	136	156

After Rate Year Three, the negative revenue adjustment target will be set at 155 miles per year until modified by the Commission.

8.1.2 LPP Removal Incentive

KEDLI will earn a positive revenue adjustment of two basis points for each full mile of LPP removed above the following incentive thresholds: 116 miles in CY17, 136 miles in CY 18, and 156 miles in CY 19. The positive revenue adjustment will be capped at ten basis points per year and recovered through the Gas Safety and Reliability Surcharge, as discussed in Section 5.5.3. An illustrative example of this incentive mechanism is provided in Appendix 7, Schedule 11.

8.2 Leak Management

8.2.1 Leak Backlog Metrics

KEDLI will incur a negative revenue adjustment if it fails to achieve year-end leak backlog targets for (i) workable leaks (Type 1, 2 and 2A leaks) and (ii) for all leaks (Type 1, 2, 2A and 3), as follows:

Leak Metric	Target		Negative Revenue Adjustment
Workable Leaks (Type 1, 2, 2A)	≤ 25		8 basis points
Total Leaks (Type 1, 2, 2A, 3)	CY 17	10,000	4 basis points
	CY 18	9,250	
	CY 19	8,500	

8.2.2 Leak Repair Incentive

Within 90 days of the Commission's Order adopting this Joint Proposal, KEDLI will file an initial report ranking all existing Type 3 leaks based on relative methane emissions. KEDLI will earn a positive revenue adjustment for eliminating incremental leaks (above the Type 3 leak reduction targets in Section 8.2.1) from KEDLI's list of the highest emitting Type 3 leaks. KEDLI will accrue a positive revenue adjustment of one basis point for each 50 leaks eliminated (maximum of five basis points per year). KEDLI must achieve both annual backlog reduction targets to qualify for this incentive. The cost to repair these incremental Type 3 leaks and any positive revenue adjustment will be recovered through the Gas Safety and Reliability Surcharge, as discussed in Section 5.5.3.

The leaks targeted for the positive incentive will consider EDF's recommended methodologies for identifying high emitting leaks. KEDLI will utilize internal personnel or a qualified contractor to develop the means to quantify emission flow rate data on an ongoing basis. While KEDLI will continue to opportunistically repair leaks in conjunction with other work when leaks can be eliminated cost effectively and efficiently, it will prioritize the highest emitting leaks when repairing leaks as part of this incentive. An illustrative example of this incentive mechanism is provided in Appendix 7, Schedule 11.

8.2.3 Year-End Leak Reporting

KEDLI will submit an annual report to the Secretary detailing all leaks in its year-end backlog by type no later than 30 days following the end of each calendar year. The report will detail the leaks that were eliminated in the prior year and the total cost of leak repairs.

8.3 Damage Prevention

KEDLI will incur a negative revenue adjustment of up to 18 basis points in the event its year-end damage prevention performance fails to meet the following minimum targets:

Damage Prevention Measure	CY17	CY18	CY19	CY20
Overall Damages per 1,000 one-call tickets (4 basis pts)	2.78	2.48	1.87	1.71
Damages due to Mismarks per 1,000 one-call tickets (10 basis pts)	0.69	0.6	0.42	0.37
Damages due to Company and Contractors per 1,000 one-call tickets (4 basis pts)	0.15	0.13	0.09	0.08

KEDLI will continue to collect damage data and compute damage performance in accordance with the criteria for the Gas Safety Performance Measures Report.

8.4 Emergency Response

KEDLI will incur a negative revenue adjustment for failure to meet the following leak and odor call response targets:

(a). Respond to 75 percent of all gas leak and odor calls within 30 minutes (6 basis points);

(b). Respond to 90 percent of all gas leak and odor calls within 45 minutes (4 basis points); and

(c). Respond to 95 percent of all gas leak and odor calls within 60 minutes (2 basis points).

Instances of 20 or more odor calls in a two hour period resulting from a mass area odor issue that is not caused by KEDLI can be excluded from this measure contingent upon Staff consent. KEDLI will provide notification to Staff (through an email to safety@dps.ny.gov) within seven days of such events.

8.5 Gas Safety Regulations Performance Metric

(a). KEDLI will incur a negative revenue adjustment for instances of noncompliance (occurrences of violations) of certain gas safety regulations identified during Staff's field and records audits. See Appendix 9 for a list of the high risk and other risk gas safety regulations pertaining to this metric.

(b). Subject to section (c), below, KEDLI will be assessed negative revenue adjustments for each high risk and other risk violation, up to a maximum of 100 basis points per Rate Year, as follows:

High Risk	Occurrences	Basis Points Per Occurrence
CY 2017 – 2019	1-10	¼
	11-20	½
	+21	1
Other Risk	Occurrences	Basis Points Per Occurrence
CY 2017 – 2019	1-25	1/9
	+26	1/3

(c). The number of occurrences of noncompliance with each high risk and other risk regulation listed in Appendix 9 subject to a negative revenue adjustment is capped at ten per calendar year. If KEDLI is cited for more than ten occurrences of noncompliance with a particular high risk or other risk regulation in a calendar year, KEDLI will provide Staff with a compliance improvement plan that contains: (i) a root cause analysis of KEDLI's compliance deficiency, and (ii) a proposed mitigation plan to address future performance. KEDLI and Staff will meet to develop a mutually agreeable mitigation plan, which that will include provisions for tracking and regular reporting on KEDLI's efforts to address the compliance deficiency.

(d). At the conclusion of each audit, Staff and KEDLI will have a compliance meeting where Staff will present its findings to KEDLI. KEDLI will have ten business days from the date the audit findings are presented to cure any identified document

deficiency. Only official KEDLI records, as defined in KEDLI's Operating and Maintenance plan, will be considered by Staff as a cure to a document deficiency. Staff will submit its final audit report to the Secretary under Case 16-G-0059. If KEDLI disputes any of Staff's final audit results, KEDLI may appeal Staff's finding to the Commission. KEDLI will not incur a negative revenue adjustment on the contested findings until such time as the Commission has issued a final decision on the contested findings. KEDLI does not waive its right to seek an appeal of any Commission determination regarding a violation or penalty under applicable law.

(e). If an alleged occurrence of noncompliance with a high risk or other risk regulation is the subject of a separate penalty proceeding by the Commission, the occurrence will not count under the performance metric. Any noncompliance event that encompasses more than one code section (*e.g.*, a violation of a gas safety regulation and KEDLI's operating procedures under 16 NYCRR 255.603(d)) will count as one occurrence for purposes of calculating a negative revenue adjustment.

(f). The total negative revenue adjustment incurred will be deferred for future use to fund gas safety and compliance improvement programs. KEDLI and Staff will develop mutually agreeable program scopes and timelines for these safety and compliance programs, which will be submitted to the Commission for its review. KEDLI will submit regular status reports on the programs and funds expended.

8.6 Gas Safety Reporting and Exceptions

KEDLI will report its annual performance in each of the areas set forth in Sections 8.1 to 8.5 to the Secretary no later than 90 days following the end of each

calendar year. The annual report will include a summary of KEDLI's first responder training plans.

9. Customer Programs

9.1 Low Income Discount Program

9.1.1 Eligibility

KEDLI will continue its existing manual enrollment process and procedure using the receipt of a HEAP grant to identify eligible participants in its Residential Reduced Rate Low Income Discount Program. By January 1, 2018, KEDLI will undertake a file match process with CNY's HRA to identify and enroll additional eligible low income customers in the Rockaways portion of KEDLI's service territory that are eligible for the Residential Reduced Rate Low Income Discount Program, provided that the Commission, in Case 14-M-0565, authorizes KEDLI to defer the costs to implement the file match. The annual cost for HRA to perform the file match is discussed in Section IV.9.1.1 of the KEDNY portion of this Joint Proposal.

9.1.2 Benefit Levels

In Rate Year One, KEDLI will provide eligible heating customers with a low income discount that is equivalent²² to the Tier 1 discount (*i.e.*, a monthly heating discount of \$41.00) contained in the Low Income Order, as shown in Appendix 4, Schedule 10. KEDLI will provide eligible non-heating customers with a low income discount of \$8.81 per month.

²² KEDLI's billing system is unable to provide a fixed discount amount until full implementation of the Low Income Order beginning in Rate Year Two.

Beginning in Rate Year Two, KEDLI will conform its Residential Reduced Rate Low Income Discount Program and benefit levels to the requirements of the Low Income Order and any order(s) on rehearing, as well as the Implementation Plan filed in Case 14-M-0565, as may be modified by the Commission.

9.1.3 Program Costs

The rate allowance for KEDLI's Residential Reduced Rate Low Income Discount Program is as follows:

- Rate Year One - \$5.4 million
- Rate Year Two - \$6.7 million
- Rate Year Three - \$6.7 million

Per the Low Income Order, KEDLI will adjust the energy burden target and benefit levels for all Rate Years, including Rate Year One, to align the rate allowance to the two percent budget cap, if necessary. The rate allowance is subject to reconciliation, as set forth in Section 6.1.2.

9.1.4 On Track Program

KEDLI's On Track Program is discontinued; provided, however, that any customers enrolled in the On Track Program prior to the Effective Date will be allowed to continue in the program until they either complete the program, voluntarily exit the program, or are removed from the program because of non-compliance with the program's terms and conditions.

9.2 EmPower Replacement Program – Energy Efficiency

Beginning in Rate Year One, KEDLI will implement an energy efficiency program for low income customers to replace the EmPower New York program (“EmPower Replacement Program”). The EmPower Replacement Program will be available to customers who qualify for participation in KEDLI’s Residential Reduced Rate Low Income Program and will utilize a four-tiered approach, as described in more detail in Appendix 7, Schedule 10.

The costs for the EmPower Replacement Program will be funded through KEDLI’s existing Low Income Discount Program deferral balance. The budget for the EmPower Replacement Program will be capped at \$1.9 million for Rate Year One and adjusted for inflation for Rate Years Two and Three. KEDLI’s administrative costs for the EmPower Replacement Program will not exceed 15 percent of the annual budget amount.

The EmPower Replacement Program will include an Earnings Adjustment Mechanism to provide KEDLI an incentive to achieve cost savings and promote program participation. The Earnings Adjustment Mechanism will be determined annually. An example of the Earnings Adjustment Mechanism is set forth in Appendix 7, Schedule 10.

9.3 Economic Development Grant Programs

KEDLI will administer its portfolio of Economic Development Grant Programs at an annual funding level of \$2.000 million, subject to a downward only reconciliation over the term of the KEDLI Rate Plan, as set forth in Section 6.1.9. KEDLI may shift funds among its Economic Development Grant Programs to respond to customer demands,

regional economic development priorities, and market conditions. Multi-family buildings will not be eligible to participate in the Cinderella program.

9.4 Residential Customer Conversion Rebate Program

KEDLI's rates reflect an expense allowance of \$0.200 million in each Rate Year to support a residential customer conversion rebate program. The program will provide a rebate of \$1,000 to each new customer that agrees to connect to KEDLI's distribution system and take service along the routes of planned main replacements. The program is capped at \$0.200 million annually and subject to a downward only reconciliation over the term of the KEDLI Rate Plan, as set forth in Section 6.2.5.

9.5 Neighborhood Expansion Program

KEDLI's Neighborhood Expansion Program ("NEP") was approved by the Commission in Case 14-G-0214. Under the NEP, KEDLI uses a variety of data to identify promising locations for growth projects and seeks to secure commitments from a threshold level of customers to justify the capital investment in infrastructure necessary to serve the area. KEDLI will continue the NEP using a density test of not less than seven customers per 500 feet of main as the threshold level of customers sufficient to justify NEP-related investments until the earlier of (i) 12 months following the end of Rate Year Three, or (ii) the effective date of new base rates. Notwithstanding the foregoing, KEDLI may petition the Commission for authority to continue the NEP prior to its termination.

9.6 Growth Incentive

KEDLI will accrue a positive incentive in each Rate Year of one basis point for each 10 percent increase in customers KEDLI is able to achieve incremental to the

customer growth target of 5,500 total customers annually based on the actual total count of customers at the beginning of each Rate Year. Specifically, KEDLI would accrue a positive incentive of one basis point for each block of 550 customers that KEDLI adds above the growth target. The incentive is capped at five basis points.

9.7 NGVs

KEDLI's rates reflect an expense allowance of \$0.475 million in each Rate Year to support conversions of motor vehicles to natural gas. KEDLI may use these funds to support conversions to NGVs by customers that will fuel their NGVs in KEDLI's service territory.

Within 90 days of the Effective Date, KEDLI will prepare and file with the Commission a study of the potential for conversions of diesel fueled vehicles to NGVs in KEDLI's service territory. This study will address (i) the potential for diesel conversions and (ii) the funds available to support such conversions, and will contain a proposal for an incentive that would be earned by KEDLI if it was successful in achieving such conversions. These proceedings will remain open to permit the Commission to address KEDLI's incentive proposal.

9.8 Third-Party Payment Center Processing Fees

KEDLI customers who utilize an authorized third-party payment center, such as Western Union, to pay their KEDLI bill will not be assessed the per-transaction fee of \$1.25. The annual costs of these fees of \$0.170 million are included in the revenue requirement.

9.9 KEDLI Geothermal Pilot

KEDLI will implement a pilot program to demonstrate geothermal heating and cooling as an alternative to either new or existing firm or interruptible gas service. KEDLI's rates include \$0.350 million in Rate Year One and \$0.050 million in each of Rate Year Two and Rate Year Three for this program. In developing the pilot program, KEDLI will coordinate with local water utilities and Long Island Power Authority/PSEG Long Island, as appropriate.

VI. Miscellaneous Provisions

1. Workforce Management Plans

In recognition of the ongoing operation audit of staffing levels in Case 13-M-0449 and the potential interplay with the incremental staffing requirements included in these cases, KEDNY and KEDLI commit to further development of the Companies' workforce management plan to assure the effective management and utilization of the incremental staffing. The Companies have already begun to implement draft recommendations.

2. KEDNY and KEDLI Pension and OPEB Regulatory Asset

KEDNY and KEDLI's proposal to create a regulatory asset of approximately \$1 million and \$47 million, respectively, resulting from certain curtailment and/or settlement gains/losses due to the expiration of the Management Services Agreement between KeySpan Electric Services, LLC and the Long Island Power Authority will be resolved during the term of the KEDNY and KEDLI Rate Plans without the need for the Companies to file a formal petition with the Commission. The proposals are described in detail in the direct testimony of KEDNY and KEDLI's Revenue Requirements Panels. A

meeting to discuss the information Staff needs to complete its review of the Companies' proposal will be held within three months of the Effective Date.

3. Automatic Uploads to EPA Portfolio Manager

Beginning in Rate Year Two, KEDNY and KEDLI will implement an automated process whereby energy consumption data for buildings located in the CNY and the Rockaways portion of KEDLI's service territory will be automatically uploaded to the EPA's Portfolio Manager website. In Rate Year One, the Companies agree to consult with CNY on the development and implementation of the appropriate solution for performing the automatic uploads, with the express understanding and agreement that costs are capped at \$0.750 million (as discussed below). The consumption data will be provided on an aggregate basis. Building owners must comply with KEDNY and KEDLI's policies and procedures to obtain the data. Building owners can opt out of the automatic uploads and instead receive the consumption data manually, if they desire. KEDNY and KEDLI will defer for future recovery the costs to automate the process up to a cap of \$0.750 million, as set forth in Sections 6.2.3 above.

4. Installation of AMR Meters in CNY

In an effort to reduce estimated bills to CNY, all CNY accounts administered by the Department of Citywide Administrative Services billing arrangement that do not currently have AMR meters (estimated by the Companies as approximately 355 meters as of August 2016) will be converted to AMI-adaptable AMR meters by March 31, 2017. Accounts that currently have AMR meters may or may not be AMI-adaptable. To the extent that the anticipated conversion of meters is delayed beyond March 31, 2017 due to

force majeure circumstances (causes that are outside the control of KEDNY and could not be avoided with the exercise of due care), KEDNY will notify the parties and the March 31, 2017 date will be extended for the amount of time necessary to resolve the relevant *force majeure* circumstance.

5. National Grid’s New York State Call Centers

To enhance customer service, KEDNY and KEDLI are permitted to transfer calls among National Grid’s New York State call centers (KEDNY, KEDLI, and NMPC) and in state third-party vendors.

6. Service Applications

KEDNY and KEDLI will accept Individual Taxpayer Identification Numbers and, in the CNY, IDNYCs, as acceptable forms of identification from an applicant for service.

7. Credit and Collections Outreach and Education Efforts

KEDNY and KEDLI will conduct bi-annual meetings (one before and one after the heating season) with Staff, the Public Utility Law Project, UIU, and other interested parties to discuss credit and collections outreach and education efforts. The objective of the meetings is to help educate the parties as to the Companies’ collections practices.

8. ESCO Issues

8.1 Balancing Charges and Penalties

The Companies will modify the provisions of their tariffs governing the under delivery of volumes by ESCOs to provide that under deliveries in excess of two percent of the required delivery volume will incur a penalty charge of \$25 per Dekatherm (“Dth”)

when no operational flow order (“OFO”) is in effect and \$50 per Dth when an OFO is in effect. These charges will be identified as penalties in the Companies’ tariffs and Gas Transportation Operations (“GTOP”) manuals. In addition, to the extent that ESCOs and/or transportation customers are subject to daily balancing and daily imbalances are cashed out at a daily gas purchase price, any surcharges to such daily price applied to the sale of gas as a result of an under-delivery, and any discounts to such daily price applied to the purchase of gas as a result of an over-delivery, will be identified as penalties in the Companies’ tariffs and GTOP manuals.

8.2 Allocation of the Proceeds of Asset Management Agreements Related to Storage Service

The Companies will modify the manner in which revenues/credits arising from asset management agreements (“AMAs”) associated with the Companies’ upstream contract storage services are allocated such that ESCOs will receive an allocation of the customer portion of those revenues/credits. The amount of revenues/credits provided to ESCOs will be equivalent to the ESCO customers’ proportionate responsibility for the costs of the upstream storage services provided by the Companies that are the subject of the AMAs that result in the revenues/credits.

8.3 ESCO Collaborative

A collaborative to address ESCO issues that were raised in these proceedings but not resolved in this Joint Proposal will commence in the fall of 2016. The collaborative will discuss the development of a process improvement plan for the Companies to

address ESCO complaints. The collaborative will also address the following issues that are termed “Equal Access Issues”:

(a). issues associated with the release of upstream pipeline capacity to ESCOs when their customer loads change;

(b). issues associated with the release to ESCOs of additional upstream storage and associated firm transportation capacity;

(c). for the portion of upstream storage and associated firm transportation capacity that cannot be released by the Companies, the possibility of providing a financial credit to ESCOs to offset any financial advantage provided to the Companies’ sales customers as a result of the Companies’ sole access to non-releasable capacity, as discussed in the testimony of Ronald G. Lukas;

(d). the allocation of supplies between KEDNY and KEDLI, as discussed in the testimony of Orlando Magnani; and

(e). the updating of demand charges recovered through KEDNY’s SC 4-A and 4-B rates and KEDLI’s SC 15 and 16 rates, as discussed in the testimony of Ronald G. Lukas.

A written report of the results of the collaborative, including any recommendations, will be filed with the Commission no later than June 1, 2017 to allow for the possibility of implementation of such recommendations by November 2017. If the collaborative report does not reflect the agreement of all parties, then the report will identify the positions of the parties and any dispute will be submitted to the Commission for resolution.

Any issues considered in the collaborative will be resolved in a manner that is revenue neutral to the Companies. If the collaborative (or any separate party or parties in the event unanimous agreement is not reached) recommends an initiative that is not revenue neutral to the Companies, then the report will identify projected costs and recommend an appropriate means of recovery of such costs.

After the collaborative report is submitted, the Companies will address any additional Equal Access Issues during the remaining term of the KEDNY and KEDLI Rate Plans, as necessary, at their annual post-winter operations meetings. Such meetings will be held no later than May 31 of each year to permit the possibility of implementation of any operating changes before the start of the subsequent winter. To the extent that Equal Access Issues are raised at the post-winter operations meeting that cannot be resolved immediately, the ESCO collaborative will remain open during the term of the KEDNY and KEDLI Rate Plans to effectuate such resolution in a manner consistent with the procedures outlined above. The ESCO collaborative will also remain open during the term of the KEDNY and KEDLI Rate Plans to resolve any retail-choice related issues that may arise as a result of the IT/TC collaborative described in Section VI.10.7 below.

9. Power Generation Issues

9.1 Designation of Certain Balancing Charges as Penalties

The Companies will modify the balancing provisions of their power generation transportation service classifications to make clear that any (i) surcharges to the daily price applied to a sale of gas to a customer as a result of an under delivery of gas, or (ii) discounts applied to the price credited to a customer for a sale of gas to the Companies as

a result of an over delivery of gas, will be considered penalties (as such term is used in the New York Independent System Operator tariff with respect to unauthorized use of gas).

9.2 Balancing Provision Modifications

The Companies will modify the balancing provisions of their power generation transportation service classifications to provide that customers will incur no imbalance charges for daily imbalances that are less than or equal to two percent of their daily consumption. Daily imbalances that are less than or equal to two percent will be aggregated on a monthly basis and cashed out at a monthly index price equal to the simple average of the following three index prices (expressed in dollars per Dth) as set forth in *Platt's Daily Price Guide – Daily Price Survey* for the date of gas flow:

- (a). Transcontinental Gas Pipe Line LLC (“Transco”) – Zone 6 NY mid-point price;
- (b). Texas Eastern Transmission Company LLC (“Tetco”) – Zone M3 mid-point price; and
- (c). Iroquois Gas Transmission System, LP (“Iroquois”) – Zone 2 mid-point price.

The Companies will also modify the balancing provisions of their electric generation transportation service classifications that set forth the prices at which daily imbalances are cashed out to reflect the use of these same index prices to determine the daily Gas Sales or Gas Purchase prices. Any discounts or surcharges to such daily price applied to the purchase of gas as a result of an over-delivery or under-delivery, respectively, will be identified as penalties in the Companies’ tariffs and GTOP manuals.

All other daily cash out provisions will remain the same. Thus, for example, the revised cash-out provisions applicable under KEDLI SC 14 will be as follows:

KEDLI SC 14

Where the quantity delivered is greater than the quantity consumed.

Imbalance	Cash Out
Service Level	
$\leq 2\%$	Monthly Cash-Out
Penalty Levels	
$> 2\% \leq 5\%$	75% of the Daily Gas Purchase Price
$> 5\% \leq 10\%$	65% of the Daily Gas Purchase Price
$> 10\% \leq 20\%$	60% of the Daily Gas Purchase Price
$> 20\%$	50% of the Daily Gas Purchase Price

Definitions:

Daily Gas Purchase Price – The simple average of Transco Zone 6 (NY) mid-point, Tetco Zone M3 mid-point and Iroquois Zone 2 mid-point for the day of the gas flow reported in *Platt's Gas Daily* expressed in \$/Dth.

KEDLI SC 14

Where the quantity consumed is greater than the quantity delivered

Imbalance	Cash Out
Service Level	
$\leq 2\%$	Monthly Cash-Out
Penalty Levels	
$> 2\% \leq 5\%$	125% of the Daily Gas Sales Price
$> 5\% \leq 10\%$	135% of the Daily Gas Sales Price
$> 10\% \leq 20\%$	140% of the Daily Gas Sales Price plus \$10/dth
$> 20\%$	150% of the Daily Gas Sales Price plus \$10/dth

Definitions:

Daily Gas Sales Price – The simple average of Transco Zone 6 NY mid-point, Tetco Zone M3 mid-point and Iroquois Zone 2 mid-point for the day of gas flow reported in *Platt's Gas Daily* expressed in \$/Dth.

Notwithstanding the foregoing agreement, balancing issues will continue to be examined in the power generation and IT/TC collaboratives described herein, and to the extent that these collaboratives determine that a level of daily balancing service in excess of two percent is feasible and would not pose any system risks, the Companies would propose to modify their tariffs to include the rates and terms under which such additional balancing service would be made available and the circumstances under which the penalties described in Section 9.1 above would not apply.

9.3 Power Generation Collaborative

A collaborative to consider power generation issues will be conducted in two phases. Until such time as the Commission acts on the issues raised in the power generation and IT/TC collaboratives, any negotiated contracts entered from and after the date the Joint Proposal is executed by all Signatory Parties will include provisions that either permit modification to accommodate Commission actions in these proceedings or limit the agreements to one-year terms. Phase One will commence in the fall of 2016 and the parties will file a collaborative report concerning Phase One issues no later than April 30, 2017. If the Phase One report does not reflect agreement as to all issues, then the report will identify the positions of the parties and any dispute will be submitted to the Commission for resolution.

The issues to be addressed in Phase One of the collaborative are as follows:

- (a) the implementation of “no-harm, no-foul” balancing provisions;

- (b). the implementation of monthly trading of imbalances; and
- (c). the implementation of load following or other enhanced balancing services.

For Phase Two of the collaborative, the Companies will develop detailed analyses with input from Staff and other parties of the costs incurred to serve electric generators, TC and non-firm customers as well as the contributions received from such customers. A detailed description of the analyses is attached as Appendix 10. The Companies will complete and submit the analyses to all interested parties within 150 days of the filing of the Joint Proposal. Phase Two of the collaborative will develop a report to the Commission concerning issues raised by the analyses concerning the services provided to power generation customers. At a minimum, the collaborative report will contain:

- (a). recommendations on value-based and cost-based rate design for power generators with specific recommendations with respect to the Value-Added Charge and the Annual Minimum Bill Obligation;
- (b). recommendations on balancing services for customers that take service pursuant to the tariff as well as customers with negotiated agreements;
- (c). recommendations concerning changes to the Companies' distributed generation tariffs; and
- (d). bill impacts associated with any recommended changes.

The Companies will file a collaborative report concerning Phase Two with the Commission no later than July 1, 2017. If the Phase Two report does not reflect agreement as to all issues, then the report will identify the positions of the parties and any dispute will be submitted to the Commission for resolution.

10. Non-Firm Service Issues

10.1 TC Moratorium

During the term of the KEDNY and KEDLI Rate Plans (i) the Companies will not add any new TC customers, (ii) all existing TC customers will be permitted to remain TC customers, (iii) TC customers may switch to any other non-firm service for which they qualify, and (iv) TC customers may switch to firm service to the extent the Companies are capable of providing firm service to such customers.

10.2 Alternate Fuel Affidavit for TC and IT Customers

The Companies will amend their tariffs to require TC and IT customers to provide affidavits confirming that they have alternative fuel supply contracts in place for the upcoming winter heating season and that such contracts provide for alternative fuel replenishment on an as-needed basis. The affidavits will also include information regarding on-site storage facilities, total storage capacity, and estimated number of peak days of storage. This requirement will be phased in over a three-year period commencing with the 2017-2018 winter such that by the end of the three-year period all TC and IT customers will be required to have provided an affidavit or they will be required to choose between converting to firm service or having their gas service terminated. During the three-year phase-in period, the Companies will solicit affidavits at random from at least one-third of their affected customers in each of the Rate Years, such that affidavits will be solicited from all affected customers by the end of Rate Year Three. The submitted affidavits must be executed by a duly authorized representative of the customer. New affidavits will be required from individual customers every three years.

TC or IT customers who receive a strike in any given year as a result of a failure to switch to their alternate fuel when required by the Companies will be required to produce the contract for alternative fuel verified in their affidavits within a commercially reasonable period of time. Failure to produce the contract will result in the customer either being converted to firm service or having its service terminated. Customers receiving a strike who produce a contract will be required thereafter to produce an affidavit annually rather than every three years for at least three years and will receive a second strike if they fail to switch to their alternate fuel when required to do so by the Companies. The receipt of a second strike for any reason will result in the customer either being converted to firm service or having its service terminated.

10.3 Recognition of Case 15-G-0185

The Commission is currently conducting a generic proceeding in Case 15-G-0185 concerning the events and impacts related to the reported disruption of heating fuel oil deliveries to interruptible gas customers in February 2015. Nothing in this Joint Proposal will prevent the prospective implementation of any Commission orders that arise from that proceeding.

10.4 Peaking Costs in the TC Demand Rates

TC demand rates will reflect an allocation of peaking demand costs that appropriately recognizes that TC customers may be served during periods in which the Companies are utilizing peaking services because the ambient temperature has not yet reached the level where TC customers are required to switch to alternate fuel. The

illustrative TC demand rates set forth in Appendix 3, Schedule 9 and Appendix 4, Schedule 9 are inclusive of the allocation of peaking demand costs.

10.5 TC/IT Modifications

As of December 1, 2016, the Companies will modify their TC tariffs to establish two temperature zones utilizing temperatures reported by NOAA at the LaGuardia and Farmingdale airports. In the event weather data becomes unavailable, the Companies will utilize NOAA data from the Kennedy and Islip airports. These temperature zones will replace the Central Park temperatures that are currently used.

The Companies will also modify the “two strike rule” for situations where a TC interruption occurs within 48 hours of a previous interruption. Should a customer fail to switch to its alternate fuel during a TC interruption, it will earn a strike. However, should that customer then fail to switch to its alternate fuel during another TC interruption within 48 hours of the previous interruption, the customer will not earn a second strike.

Beginning in January 2018, the Companies will conduct an additional unannounced test of alternate fuel availability for all TC and IT customers during the last two weeks of January. This additional test will be waived if the Companies have previously interrupted customers during that month.

Finally, the Companies will update their communication protocols with TC, IT, and power generation customers prior to the 2017-2018 winter to provide notice to customers whenever the weather forecast projects ambient temperatures within five degrees Fahrenheit of the threshold temperature or lower for the next three days or whenever three consecutive days of continuous interruptions are forecast to occur. This notice will remind the customers of the need to switch to alternate fuel and will contain a

further reminder to be sure that the alternate fuel is readily available and has been replenished.

10.6 Use of Firm Storage Released to ESCOs for Non-Firm Customers

Subject to the requirements of federal law and regulation, ESCOs may use contract storage released to them under the Companies' retail choice programs to serve their non-firm customers in KEDNY or KEDLI's service territory when such storage is not needed to serve their firm customers in KEDNY or KEDLI's service territory.

10.7 IT/TC Collaborative

A collaborative to address IT/TC service issues will commence within 60 days after the collaborative report for Phase Two of the Power Generation collaborative is submitted to the Commission. The issues to be addressed in the collaborative are set forth in Appendix 11. The parties will file a written report of the results of the collaborative, including any recommendations, no later than six months after the collaborative commences. If the collaborative report does not reflect the agreement of all parties, then the report will identify the positions of the parties and any dispute will be submitted to the Commission for resolution.

11. Research and Development Reporting

Within 30 days of the Effective Date, the Companies, as well as NMPC, will file reports with the Secretary that will provide information for each entity concerning its (i) internal research and development program, (ii) participation in the New York State

Energy Research and Development Authority's program, and (iii) participation in the Millennium Program. These reports will provide the following information:

- (i) program budgets;
- (ii) annual customer surcharges per Dth;
- (iii) total revenues collected;
- (iv) total program expenditures;
- (v) end of the year program balances; and
- (vi) year-over-year reconciliation of individual program balances.

Following the submission of the initial reports, additional reports would be filed with the Secretary every three years. To the extent the Companies do not spend any funds recovered in rates for the Millennium Program, such unspent funds will be used for gas safety research and development projects.

12. Interconnection Agreements

Within 150 days of the Effective Date, the Companies will file with the Secretary a standard interconnection agreement to be used by owners/operators/developers of renewable resources that will set forth the terms and conditions on which gas may be delivered to the Companies' distribution systems. This interconnection agreement will set forth, *inter alia*, standards for gas quality and will delineate responsibility for equipment ownership and operation and maintenance. The interconnection agreement will permit owners/operators/developers to deliver gas for either transportation to third parties or sale to the Companies on such terms as the parties may negotiate.

13. Reforming the Energy Vision Demonstration Projects

The Companies will implement three Reforming the Energy Vision demonstration projects during the term of the KEDNY and KEDLI Rate Plans. The three projects involve: (i) flood zone protection packages; (ii) micro combined heat and power – home energy management solutions; and (iii) commercial demand response. The projects are described in the direct testimony of Company Witness Sean P. Mongan. The Companies will discuss with Staff how to assess the impact of a broader penetration of the micro combined heat and power pilot on peak demand.

14. Outreach and Education Plan

The Companies will file with the Secretary an annual Outreach and Education plan. The plan will include detailed budgets and describe the specific outreach campaign messages to be disseminated, the communication vehicles to be used, the goals of the outreach program, and the criteria for measuring their achievement.

15. Capital Reporting Requirements

15.1 LPP, Type 3 Leak Prioritization, and Capital Plan Report

Prior the beginning of each Rate Year, the Companies will file with the Secretary a LPP prioritization summary identifying (i) the proposed projects and their estimated costs, (ii) estimates of the number of Type 3 leaks on each system and (iii) the approved five year capital plan in the same format as Exhibit__ (GIOP-1CU).

15.2 Quarterly Capital Reporting

The Companies will file with the Secretary, quarterly variance reports, within 45 days after the end of each of the first three calendar quarters of each Rate Year. The reports will be in the same format as Exhibit__(GIOP-1CU) with explanations for variances between the approved budget and the actual expenditures, details on the progress of LPP retirement mileage, Type 3 leaks repaired and a summary of the current Type 3 inventory, and new customers attached to the system.

15.3 Annual Capital Reporting

The Companies will file with the Secretary annual reports, not later than 60 days after the end of the last quarter in each Rate Year, that include: (i) a final variance summary of capital expenditures for all capital projects and programs including all on-going and active construction projects and programs in the same format as Exhibit__(GIOP-1CU); (ii) a narrative explaining any cost or timeline deltas exceeding 10 percent; (iii) a narrative on project design, permitting and or construction status for any ongoing projects; (iv) a description of any new projects or programs; (v) capital project sanctioning documents for any projects exceeding \$1 million that were authorized during the previous Rate Year; and (vi) the cost per foot for LPP replacements during the prior Rate Year under the Companies' proactive and reactive main replacement programs.

16. Inactive Accounts

The Companies will implement (to the extent not already completed) the following process enhancements for inactive accounts within 90 days of the Effective Date:

- (i) Review and modify, in consultation with Staff, the Companies' call center procedures and scripts for customers requesting service disconnections to include clear, direct questions designed to elicit information on future use, occupancy and ownership of the premises.
- (ii) Train and deploy meter reader employees to gain access to inactive accounts and secure gas meters, where possible.
- (iii) Monitor meter reading data for gas usage on inactive accounts and prioritize any inactive account for a meter lock/service cut when meter readings suggest the account is using gas.
- (iv) Develop a voluntarily Leave on for Landlord ("LOFLL") program that includes a process for timely and affirmatively notifying the landlord of each account transferred under the LOFLL program. When enrolling a landlord in the LOFLL program, the Companies will request from the landlord the preferred method of communication regarding account transitions (*e.g.*, by phone, email, or letter).
- (v) Develop marketing effort to promote the LOFLL program, including incorporating information on the LOFLL program in the Companies' public awareness programs.

- (vi) Engage the CNY and other local municipalities to develop a process for obtaining permits for street cuts to be processed on an expedited basis, as appropriate.
- (vii) Engage municipalities in the Companies' service territory to develop programs to identify vacant premises where gas service may need to be terminated.
- (viii) Establish a process/program to pursue replevin for inactive gas meters, and implement where appropriate.

In addition, the Companies' O&M workplan will include sufficient resources to make field visits on inactive gas meters to obtain successor owner/tenant information, or gain access to lock the gas meter, consistent with their procedures for addressing inactive accounts.

17. Filing for New Rates

17.1 During the Term of the Rate Plans

KEDNY and KEDLI agree not to file for new base delivery rates to be effective prior to December 31, 2019. The following exceptions will apply:

- (a) KEDNY and KEDLI may petition the Commission to implement changes to their base rates as may be required or warranted by newly-enacted legislation or regulations and nothing in the Joint Proposal shall prohibit KEDNY or KEDLI from implementing changes to rates or charges, in a manner to be determined by the Commission, as may be required by newly enacted legislation or regulations;

(b). KEDNY and KEDLI may petition the Commission for deferral of extraordinary expenses not addressed by this Joint Proposal;

(c). KEDNY and KEDLI may petition the Commission for approval of new services and/or discrete incentives;

(d). KEDNY and KEDLI may petition the Commission for changes to rate design or revenue allocation that are revenue neutral, including, but not limited to, the implementation of new service classifications and/or elimination of existing service classifications. Such petitions must demonstrate that the proposed changes are consistent with the overall rate design and revenue allocation provided for in this Joint Proposal;

(e). KEDNY and KEDLI may petition the Commission for minor changes in base rates, provided the effect is *de minimis* or is essentially offset by associated changes in other base rates, statements, terms or conditions of service; and

(f). KEDNY and KEDLI may file tariff amendments to implement changes as described in this Joint Proposal. A copy of the tariff amendments will be provided to the active parties.

Any party may take any position on any filing made by the Companies pursuant to this Section. Moreover, any party may petition the Commission for minor changes in base rates, provided the effect is *de minimis* or is essentially offset by associated changes in other base rates, statements, terms or conditions of service.

Notwithstanding the foregoing, nothing in the Joint Proposal shall prohibit the Commission (upon its own motion or upon motion of an interested party) from exercising its ongoing statutory authority to act on the level of the Companies' rates in the event of unforeseen circumstances that, in the Commission's judgment, have such a substantial

impact on the rate of return as to render the return on common equity devoted to either KEDNY or KEDLI's gas operations, unreasonable, unnecessary or inadequate for the provision of safe and adequate service.

17.2 Following the Term of the Rate Plans

The Signatory Parties desire that KEDNY and KEDLI file to establish new base delivery rates to be effective on or before July 1, 2020. If KEDNY and/or KEDLI do not file for new rates to be effective by that date (i) the Earnings Sharing Mechanisms set forth above will be modified such that KEDNY and/or KEDLI will defer for the benefit of customers 100 percent of the revenue equivalent of earnings in excess of 9.0 percent; and (ii) KEDNY and/or KEDLI's property tax reconciliation will be modified to be downward only. These modifications will apply to CY 20 and continue until KEDNY and/or KEDLI file to establish new base delivery rates.

Beginning January 1, 2020 and continuing through June 30, 2020, KEDNY and/or KEDLI will defer the difference between the levelized rate increases and the calculated revenue requirements for the benefit of customers ("Revenue Requirement Deferral"), with the disposition to be determined by the Commission. An example of this calculation is set forth in Appendices 1 and 2, Schedule 3. In addition, provided KEDNY and/or KEDLI's actual ROE is not in excess of 9.0 percent, the Net Utility Plant and Depreciation Expense Reconciliation Mechanisms set forth in Sections 6.2.1 above will be converted to two-way reconciliations through and until June 30, 2020. For purposes of the reconciliations, the six months through June 2020 net utility plant and depreciation expense revenue requirement (capped at the current forecast levels for the six months through June 2020) will be compared to the Rate Year Three levels. Any differences will

be refunded to or recovered from customers. An example of these reconciliations is set forth in Appendices 1 and 2, Schedule 3.

If KEDNY and/or KEDLI have not filed for new rates to be effective by July 1, 2020, the Revenue Requirement Deferral ends on June 30, 2020. KEDNY and/or KEDLI will make revised tariff filings before the end of Rate Year Three to reduce base rates to the calculated revenue requirement amounts for Rate Year Three, beginning July 1, 2020. In addition, when KEDNY and KEDLI submit revised tariff leaves for Rate Year Three, they will include an appendix that demonstrates what rates would be in Rate Year Three on an unlevelized basis.

18. Estates

(a). KEDNY and Estates agree to extend Estates' current TC transportation contract (dated December 19, 2014) for one year (from April 1, 2017 through March 31, 2018), plus an additional one year in the event a new dual fuel firm service classification (discussed in subsection (c) below) does not become effective on or prior to March 31, 2018. If a dual fuel firm service classification does not become effective on or prior to March 31, 2019, KEDNY and Estates will negotiate for an additional 12 month extension of the current transportation contract.

(b). Estates' gas accounts may move to the new dual fuel firm service classification if/when it becomes effective. In contemplation of Estates' accounts moving to the new service classification, the accounts may retain their dual fuel capabilities during the pendency of the IT/TC collaborative. However, if/when the new service classification becomes effective, the accounts must either transfer to the new service

classification within 30 days or disconnect their dual fuel equipment in accordance with tariff requirements.

(c). Following the completion of the cost of service study referenced in Section 9.3 above, KEDNY will determine whether the characteristics of Estates and other similar dual fuel, non-residential firm service customers are so unique compared to TC/IT customers that a new individual rate can be developed outside the IT/TC collaborative. If so, KEDNY will endeavor to develop a dual fuel, non-residential firm service classification prior to the conclusion of the IT/TC collaborative. If KEDNY determines that Estates and other similar customers are not unique compared to TC/IT customers, KEDNY will notify the parties of the reasons for this determination and establish a forum, such as a conference call, for discussing it and the development of a new dual fuel, non-residential firm service rate will be discussed as part of the IT/TC collaborative.

19. ECOS Study to be Presented in Next Base Rate Cases

In their next base rate cases, the Companies will each submit an embedded cost of service study in which the costs of mains will be classified 100 percent as demand-related. This requirement does not require the Companies to support using the results of this study for any purpose. Nor will it prohibit or prejudice the Companies in any way from presenting other embedded cost of service studies or making other revenue/cost allocation or rate design proposal in any future base rate case.

20. SC 2 Data

The Companies will propose segmentation usage levels for SC 2 customers and provide interested parties with the proposed segmentation by March 30, 2017. The Companies and interested parties will meet no later than May 1, 2017 to discuss the proposed SC 2 segmentation. Once the proposed segmentation is agreed upon, the Companies will code and gather usage and billing data in anticipation of (i) merging the SC 2 heat and non-heat classes and (ii) segmenting by usage level for purposes of the cost of service study, revenue allocation, and rate design in the Companies' next rate case.

21. NYFS Costs

The Companies will continue to reflect NYFS costs in base rates. Once a new contract is agreed upon with Con Edison the Companies may file a petition with the Commission seeking a true-up mechanism for NYFS costs.

22. Corporate Structure and Affiliate Rules

The Companies' Corporate Structure and Affiliate Rules have been updated and are included in Appendix 12.

23. Storm Hardening Collaborative

KEDNY and KEDLI will convene a collaborative to begin no later than 60 days following the Commission's Order adopting the Joint Proposal to consider potential storm hardening and climate resiliency improvements to KEDNY and KEDLI's gas distribution system. Among other items, the collaborative will develop recommendations for future storm hardening and resiliency projects, strategies for addressing climate risk factors for the gas distribution system, and guidelines for incorporating climate change

projections in long term capital planning. The storm hardening collaborative will also consider the costs of initiatives and will recommend an appropriate means of cost recovery for any initiative recommended to the Commission. The scope of, and deliverables for, the collaborative are described in more detail in Appendix 8. The Companies will file a report with the Secretary summarizing the outcome of the collaborative for Commission action as may be necessary. Staff and interested parties will have the opportunity to file comments on such report with the Commission.

VII. Other Provisions

1. Submission to the Commission

The Signatory Parties agree to submit this Joint Proposal to the Commission and to request that the Commission adopt the terms of this Joint Proposal without modification. The Signatory Parties intend that this Joint Proposal will be adopted by the Commission as being in the public interest and agree individually to advocate its adoption by the Commission in its entirety and to act so as to expedite that result.

2. Conditioned on Commission Adoption/ No Severability

Each provision of this Joint Proposal is in consideration and support of all other provisions, and the Signatory Parties' agreement with each provision is expressly conditioned upon the acceptance of the Joint Proposal in its entirety by the Commission. Except as set forth herein, none of the Signatory Parties is deemed to have approved, agreed to, or consented to any principle, methodology or interpretation of law underlying or supposed to underlie any provision herein. In the event or to the extent that the Commission does not adopt this Joint Proposal in its entirety, the Signatory Parties will

be free to pursue their respective positions in this proceeding and any remedies at law or in equity without prejudice.

3. Application of Agreement/No Precedent

The provisions of this Joint Proposal apply solely to and are binding only in the context of this Joint Proposal and this proceeding. None of the terms of this Joint Proposal and none of the positions taken by any Signatory Party with respect to this Joint Proposal may be referred to, cited by or relied upon by anyone in any manner as precedent or otherwise in any other proceeding before the Commission or any other regulatory body or before any court of law for any purpose other than the adoption, implementation, furtherance, or extension of this Joint Proposal. Concessions made by any Signatory Party on any issue does not preclude that party from addressing such issues in future rate proceedings or in other proceedings.

4. Future Actions/ Dispute Resolution

The Signatory Parties recognize that certain provisions of this Joint Proposal contemplate actions to be taken in the future and agree to cooperate with each other in good faith in taking such actions.

In the event of any disagreement over the interpretation of this Joint Proposal that cannot be resolved informally among the Signatory Parties, the party claiming a dispute will serve a Notice of Dispute on the remaining parties, briefly identifying the provision or provisions of this Joint Proposal under dispute and the nature of the dispute, and convening a conference in a good faith attempt to resolve the dispute. If any such efforts

are not successful in resolving the dispute among the Signatory Parties, the matter will be submitted to the Commission for resolution.

5. Continuation

Except as set forth herein, following the expiration of the term of the KEDNY and KEDLI Rate Plans, all provisions of this Joint Proposal will continue until changed by order of the Commission. Except as expressly provided otherwise, any targets, goals, deferral thresholds, or other similar items set forth in this Joint Proposal for Rate Year Three will continue beyond Rate Year Three until modified by the Commission.

6. Extension

Nothing in this Joint Proposal will be construed as precluding the active parties from convening additional conferences and from reaching agreement to extend this Joint Proposal on mutually acceptable terms and from presenting an agreement concerning such extension to the Commission for its approval.

7. Entire Agreement

This Joint Proposal sets forth the entire agreement of the Signatory Parties and supersedes any prior or contemporaneous written documents or oral understandings among the Signatory Parties concerning the matters addressed herein. In the event of any conflict between this Joint Proposal and any other document addressing the same subject matter, this Joint Proposal will control.

Case 16-G-0058

Case 16-G-0059

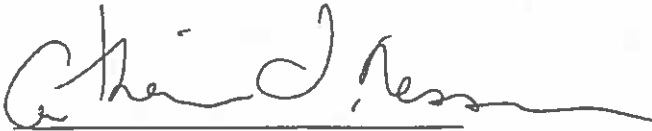
8. Counterparts

This Joint Proposal is being executed in counterpart originals and will be binding on each Signatory Party when all of the counterparts have been executed.

Signature Pages Follow

Case 16-G-0058
Case 16-G-0059

The Brooklyn Union Gas Company d/b/a National Grid NY and KeySpan Gas East Corporation
d/b/a National Grid have this day signed and executed this Joint Proposal.

By: 
Catherine L. Nesser
Vice President and Deputy General Counsel

Date: 9/7/16

Case 16-G-0058
Case 16-G-0059

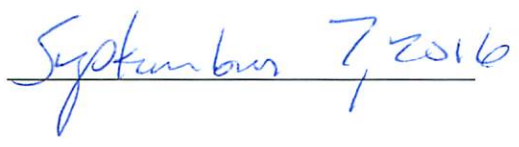
New York State Department of Public Service Staff has this day signed and executed this Joint Proposal.

By:

A handwritten signature in blue ink, appearing to read 'Brandon F. Goodrich', is written over a horizontal line. The signature is stylized and somewhat cursive.

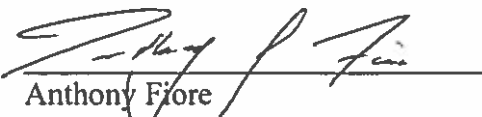
Brandon F. Goodrich
Staff Counsel

Date:

A handwritten date in blue ink, 'September 7, 2016', is written over a horizontal line. The date is written in a cursive style.

Case 16-G-0058
Case 16-G-0059

The City of New York has this day signed and executed this Joint Proposal.

By: 
Anthony Fiore
Director, Energy Regulatory Affairs
Mayor's Office of Sustainability
City of New York

Date: September 7, 2016

The City of New York is a Signatory Party to the Joint Proposal with the exception of portions of Sections IV.9.1.2, V.9.1.1 and V.9.1.2. The City's exceptions will be explained in its Statement in Support of the Joint Proposal.

Case 16-G-0058
Case 16-G-0059

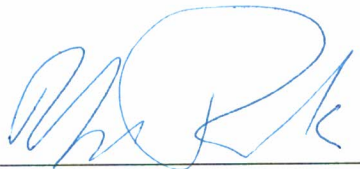
The Environmental Defense Fund has this day signed and executed this Joint Proposal.

By: John Finnigan
John Finnigan
Lead Attorney

Date: 8/30/16

Case 16-G-0058
Case 16-G-0059

BBPC, LLC d/b/a Great Eastern Energy has this day signed and executed this Joint Proposal.

By: 

Robyn Frank
General Counsel and Executive Vice President of Regulatory Affairs

Date: 9/6/2016

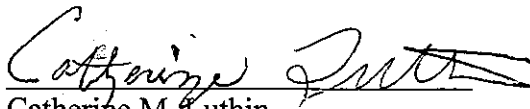
Case 16-G-0058
Case 16-G-0059

Direct Energy Services, LLC has this day signed and executed this Joint Proposal.

By: Angela Schorr
Angela Schorr
Manager, Government and Regulatory Affairs

Date: 9/6/16

Consumer Power Advocates has this day signed and executed this Joint Proposal.

By: 
Catherine M. Luthin
Executive Director

Date: 8/31/16

Case 16-G-0058
Case 16-G-0059

Estates NY Real Estate Services LLC has this day signed and executed this Joint Proposal.

By: Peter V. K. Funk, Jr.
Peter V. K. Funk, Jr., Partner
Funk & Zeifer LLP
Counsel for Estates NY Real Estate Services LLC

Date: August 31, 2016

Case 16-G-0058
Case 16-G-0059

Spring Creek Towers has this day signed and executed this Joint Proposal.

By: Barbara Tillman
Barbara Tillman
Energy Services

Date: 8/31/16

APPENDIX 1

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Statement of Operating Income
For the Rate Year Ending December 31, 2017
(\$000's)

	Adj. #	C&U Filing Rate Year Ending December 31, 2017	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal	Base Revenue Increase Required	Rate Year Ending December 31, 2017 with Base Revenue Requirement
Operating Revenues	(1)	\$ 1,351,079	\$ 1,301,971	\$ (3,700)	\$ 1,298,271	\$ 272,090	\$ 1,570,361
Deductions							
Purchased Gas Costs	(2)	399,388	423,608	(12,071)	411,537		411,537
Revenue Taxes	(3)	46,931	48,476	(472)	48,004	10,061	58,065
Total Deductions		446,319	472,084	(12,543)	459,541	10,061	469,602
Gross Margin		904,760	829,887	8,843	838,730	262,029	1,100,759
Total Operation & Maintenance Expenses	(4)	554,049	570,951	17,586	588,537	2,872	591,409
Amortization of Regulatory Deferrals	(5)	61,759	0	0	0		0
Depreciation, Amort. & Loss on Disposition	(6)	117,796	99,010	(8,451)	90,560		90,560
Taxes Other Than Revenue & Income Taxes	(7)	151,424	151,419	5	151,424		151,424
Total Operating Revenue Deductions		885,029	821,381	9,140	830,521	2,872	833,393
Operating Income Before Income Taxes		19,732	8,507	(297)	8,209	259,157	267,366
Income Taxes							
Federal Income Taxes		(12,782)	(14,905)	462	(14,443)	83,158	68,715
State Income Taxes		(4,032)	(4,582)	119	(4,463)	21,562	17,099
Total Income Taxes		(16,814)	(19,487)	581	(18,906)	104,720	85,814
Operating Income After Income Taxes		36,545	27,993	(878)	27,115	154,437	181,552
Rate Base		\$ 2,959,294	\$ 2,950,105	\$ 1,967	\$ 2,952,072		\$ 2,952,072
Rate of Return		1.23%	0.95%				6.15%

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of O&M Expenses
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal
Operation & Maintenance Expenses:						
Departmental Items:						
Consultants	\$ 10,510	(4m)	\$ -	\$ 10,510 (4m)	\$ (56)	\$ 10,454
Contractors	61,344	(4a)	(578)	60,766 (4a)	-	60,766
Donations	0		0	0	-	0
Employee Expenses	2,949		0	2,949	-	2,949
Hardware	280		0	280	-	280
Software	4,069		0	4,069	-	4,069
Other	18,622	(4b)	(1,098)	17,524 (4b)	549	18,073
Rents	4,668		0	4,668	-	4,668
Service Company Rents	15,225	(4c)	(2,580)	12,645 (4c)	154	12,798
Construction Reimbursement	(422)		0	(422)	-	(422)
FAS 106	14,087		0	14,087	-	14,087
FAS 112	263		0	263	-	263
Health Care	18,827		0	18,827	-	18,827
Group Life Insurance	948		0	948	-	948
Other Benefits	169		0	169	-	169
Pensions	38,683		0	38,683	-	38,683
Thrift Plan	4,326		0	4,326	-	4,326
Workers Comp	2,196		0	2,196	-	2,196
Materials Outside Vendor	5,706		0	5,706	-	5,706
Materials From Inventory	5,753		0	5,753	-	5,753
Materials Stores Handling	1,364		0	1,364	-	1,364
Postage	9,690		0	9,690	-	9,690
Total Labor	143,074	(4d)	(93)	142,981 (4d)	93	143,074
Transportation	7,974	(4e)	(732)	7,242 (4e)	9	7,251
Energy Efficiency program	20,345	(4f)	871	21,216 (4f)	250	21,466
Injuries and Damages	11,070		0	11,070	-	11,070
Other Initiatives	61,170	(4g)	(6,544)	54,626 (4g)	4,852	59,478
Productivity Adjustment	(3,351)	(4h)	(3,312)	(6,663) (4h)	(2)	(6,665)
Rate Case Expense	372		0	372	-	372
Regulatory Assessment Fees	8,506	(4i)	(428)	8,078 (4i)	(108)	7,970
Uncollectible Accounts	13,864	(4l)	0	13,864 (4l)	(480)	13,384
SIR	53,872		0	53,872	-	53,872
Amortization of SIR Deferral	0	(4j)	18,521	18,521 (4j)	-	18,521
Joint Facilities	10,740		0	10,740	-	10,740
PEX Savings	(2,160)		0	(2,160)	-	(2,160)
Paving	5,435		0	5,435	-	5,435
Legal	2,008		0	2,008	-	2,008
Accounting	1,030		0	1,030	-	1,030
Incentive Programs	849	(4n)	0	849 (4n)	200	1,049
Residential Reduced Rate Program	0	(4k)	12,875	12,875 (4k)	12,125	25,000
Sub Total - Departmental	\$ 554,049		\$ 16,902	\$ 570,951	\$ 17,586	\$ 588,537
TOTAL	\$ 554,049		\$ 16,902	\$ 570,951	\$ 17,586	\$ 588,537

The Brooklyn Union Gas Company db/a NATIONAL GRID
PSC Case No. 16-G-0059
Federal Income Taxes
For the Rate Year Ending December 31, 2017
(Whole Dollars)

	as Adj. Federal Taxable Income	Defferable Basis	Adjustments	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 8,209,282			\$ 8,209,282	\$ 2,873,000		\$ 2,873,000
ADDITIONS							
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	84,438			84,438	30,000	0	30,000
DEDUCTIONS							
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0	0
INTEREST	(54,023,000)			(54,023,000)	(18,908,000)		(18,908,000)
NEW YORK STATE RATE CHANGE (FITon SIT)	0	0	0	0	0	230,197	230,197
DIVIDEND PAID CREDIT	0	0	0	0	0	0	0
NEW YORK STATE INCOME TAXES - CURRENT PROVISION	3,805,000	0	0	3,805,000	1,332,000	0	1,332,000
OTHER STATE INCOME TAXES	0	0	0	0	0	0	0
COST OF REMOVAL	0	0	0	0	0	0	0
TAX DEPRECIATION	0	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0	0
AMORTIZATION PASNY CONTRACT	0	0	0	0	0	0	0
CLASS B CONTRACTS AMORTIZATION	0	0	0	0	0	0	0
TOTAL FIT EXPENSE	\$ (41,924,280)	\$ -	\$ (41,924,280)	\$ (41,924,280)	\$ (14,673,000)	\$ 230,197	\$ (14,442,803)

The Brooklyn Union Gas Company db/a NATIONAL GRID
PSC Case No. 16-G-0059
State Income Taxes
For the Rate Year Ending December 31, 2017
(Whole Dollars)

	as Adj. State Taxable Income	Defferable Basis	Adjustments	Book Taxable Income	@ blended Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 8,209,282			\$ 8,209,282	\$ 683,000		\$ 683,000
ADDITIONS							
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	84,438			84,438	7,000		7,000
DEDUCTIONS							
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0	0
OTHER POST RETIREMENT BENEFIT LIABILITY-MEDICARE PIECE	0	0	0	0	0	0	0
INTEREST	(54,023,000)	0	0	(54,023,000)	(4,495,000)		(4,495,000)
NEW YORK STATE RATE CHANGE	0	0	0	0	0	(657,706)	(657,706)
GAS CONTINGENCY RESERVE	0	0	0	0	0	0	0
IBM CUSTOMER SYSTEM SETTLEMENT	0	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0	0
TOTAL SIT EXPENSE	\$ (45,729,280)	\$ -	\$ -	\$ (45,729,280)	\$ (3,805,000)	\$ (657,706)	\$ (4,462,706)

8.32%

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of Rate Base
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Adj.	Staff Adjustments	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal
Net Utility Plant	\$ 3,644,261	(8a)	\$ (18,246)	\$ 3,626,015	\$ 10,501	\$ 3,636,516
Regulatory Assets / Liabilities	26,041		0	26,041	0	26,041
Accumulated Deferred Income Taxes - Federal	(818,351)	(8b)1,2	6,154	(812,197)	(5,383)	(817,580)
Accumulated Deferred Income Taxes - State	(121,258)	(8b)3	790	(120,468)	(910)	(121,377)
Working Capital						
Materials and supplies	113,823		0	113,823	0	113,823
Prepayments	54,871		0	54,871	0	54,871
O&M Cash Allowance (1/8 O&M exp)	64,649	(8c)	2,113	66,762	(3,309)	63,453
Supply Cash Allowance (Sep 09 lead/lag study)	44,511		0	44,511	0	44,511
Change in Supply Cash Allowance (3.64% x RY Gas exp)	(13,958)	(8d)	0	(13,958)	1,067	(12,891)
subtotal Working Capital	263,896		2,113	266,009	(2,242)	263,767
subtotal avg. before EBCAP adj.	2,994,589		(9,189)	2,985,400	1,967	2,987,367
Excess Earnings Base adjustment	(35,294)		0	(35,294)	0	(35,294)
Total Rate Base	\$ 2,959,294		\$ (9,189)	\$ 2,950,105	\$ 1,967	\$ 2,952,072

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Capital Structure
For the Rate Year Ending December 31, 2017

Settlement Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 1,472,405	51.18%	3.55%	1.82%	1.82%
Customer Deposits	23,600	0.82%	0.85%	0.01%	0.01%
Common Equity	1,380,928	48.00%	9.00%	4.32%	7.25%
Total	\$ 2,876,934	100.00%		6.15%	9.08%

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OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	1.06%	1.057%		GRT	\$ 48,004
GRT rate for Rev Req	3.70%			tax	\$ 1,298,271
Federal Income Tax rate	35.00%			revenue	0.03697532
NYS Income Tax rate	8.32%	59.59%			
Historic Year EBCAP	0.00%				
General Inflation (from 09/30/15 to 12/31/17)	3.77%				

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The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Adjustments for the Rate Year Ending December 31, 2017
(\$000's)

	Staff Direct Amount	Settlement Adjustments Amount	Joint Proposal Amount
Adj. 1 Operating Revenues			
(a) To properly reconcile SIR Surcharge revenues to the amortization expense	\$ (43,238)	-	(43,238)
(b) To transfer amortization of SIR deferral balance to base rates	(18,521)	-	(18,521)
(c) To properly reconcile MFC revenues to the associated expenses	(11,522)	(1,269)	(12,791)
(d) To adjust Joint Facilities revenue to reflect historic year level increased for inflation	(6,493)	-	(6,493)
(e) To reflect the Commission authorizations for the Company's EE tracker surcharges	(221)	-	(221)
(f) To reflect the Commission authorizations for the Company's NYSERDA SBC	1,092	-	1,092
(g) To correct Company correction and updates operating revenues to reconcile with the Company Rate Design Panel operating revenues	90	-	90
(h) To reflect the Residential Reduced Rate Program in Revenues	9,240	923	10,163
(i) To adjust operating revenues to reflect Staff's Sales forecast	20,465	(19,984)	481
(j) Settlement - Update to residential sales and customer counts	-	11,252	11,252
(k) Settlement - Update to residential sales and customer counts	-	5,099	5,099
(l) Settlement - Update to forecast LPC	0	279	279
	\$ (49,108)	\$ (3,700)	\$ (52,808)
Adj. 2 Purchased Gas Costs			
(a) To adjust purchased gas costs to reflect Staff's forecast	24,220	(24,220)	0
(b) To reflect settlement related to revenue change	0	8,002	8,002
(c) To reflect settlement related to revenue change	0	4,147	4,147
	\$ 24,220	\$ (12,071)	\$ 12,149
Adj. 3 Revenue Taxes			
(a) To adjust revenue taxes to reflect Staff's forecast	1,545	(1,064)	481
(b) To reflect settlement related to revenue change	0	592	592
	\$ 1,545	\$ (472)	\$ 1,073
Adj. 4 Operating and Maintenance Expenses			
(a) Contractors			
To normalize out the historic test year costs associated with ULC Robotics charges	(578)	-	(578)
(b) Other Expense			
To normalize out the historic test year costs associated with the NYC Commissioner of Finance charges	(1,098)	549	(549)
(c) Service Company Rents			
(1) To reflect the removal of the Customer Choice ESCO Gas project (INVP #3564)	(1,416)	1,272	(144)
(2) To reflect removal of bonus depreciation	(612)	(87)	(699)
(3) To reflect Staff service company return allowance of 8.81% which is based on Staff capital structure	(552)	552	-
(4) To reflect service company return allowance of 9.0% & Operating Company WACC	0	(255)	(255)
(5) To add additional projects excluded from Corrections and Updates filing	0	1,148	1,148
(6) To remove additional projects excluded from Corrections and Updates filing	0	(2,476)	(2,476)
	\$ (2,580)	\$ 154	\$ (2,426)
(d) Total Labor			
To reflect the reduction of management wage increases from 3.2% to 3.0%	(93)	93	-
(e) Transportation			
(1) To reflect Staff's forecast of transportation lease expense	(732)	0	(732)
(2) Adjust to agree to Staff's adjustment	0	9	9
(f) Energy Efficiency program			
(1) To reflect the Commission authorizations for the Company's EE tracker surcharges & NYSERDA SBC	871	0	871
(2) To reflect settlement related to revenue change	0	0	0
(3) To reflect settlement related to revenue change	0	250	250
	\$ 871	\$ 250	\$ 1,121
(g) Other Initiatives			
(1) To remove 3 call center representatives and 1 call center supervisor	(119)	-	(119)
(2) To remove 3.5 FTEs compliance analysts	(361)	187	(174)
(3) To remove 1 gas estimator and adjust allocation of gas estimator manager	(8)	-	(8)
(4) To adjust salaries on select engineering titles	(5,759)	3,041	(2,719)
(5) To remove 2.3 I&R tech FTEs and 1 LNG field engineer	(310)	72	(238)
(6) To adjust productivity adjustment from 1.0% to 2.0% for incremental employees	13	(94)	(81)
(7) To adjust Energy Efficiency labor - underspent in HTY	0	(437)	(437)
(8) To add 3rd Party processing Fees	0	410	410
(9) To add In-Line inspection fees	0	284	284
(10) To reflect Company share of file match to CNY	0	100	100
(11) To remove 1 Call Center FTE (total CC reduction 5FTE's)	0	(64)	(64)
(12) Additional D&R costs associated with LPP	0	1,352	1,352
	\$ (6,544)	\$ 4,852	\$ (1,692)
(h) Productivity Adjustment			
(1) Tracking adjustment for management wage increase reduction from 3.2% to 3.0%	1	(1)	-
(2) To adjust productivity adjustment from 1.0% to 2.0% on total labor expense item	(3,313)	(1)	(3,314)
	\$ (3,312)	\$ (2)	\$ (3,314)
(i) Regulatory Assessment Fees			
(1) To reflect the latest assessment as of February 2016	(428)	6	(422)
(2) To reflect settlement related to revenue change	0	(115)	(115)
	\$ (428)	\$ (108)	\$ (536)
(j) Amortization of SIR Deferral			
To include amortization of SIR deferral in base rates	18,521	0	18,521
(k) Residential Reduced Rate Program			
(1) To reflect the residential reduced rate program expense in the rate year	12,875	0	12,875
(2) To increase expense due to implementation of file matching	0	12,125	12,125
	\$ 12,875	\$ 12,125	\$ 25,000
(l) Uncollectible Accounts			
(1) To reflect the change in revenue forecast	0	(575)	(575)
(2) To reflect settlement related to revenue change	0	95	95
	\$ -	\$ (480)	\$ (480)
(m) Consultants			
To reflect adjustment for Lobbying expenses per IR DPS-402	0	(56)	(56)
(n) Incentive Programs			
To reflect Sales Promotion expenses per Staff Testimony	0	200	200
	\$ -	\$ 200	\$ 200
Total Operating & Maintenance Expense Adjustments	\$ 16,902	\$ 17,586	\$ 34,488

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Adjustments for the Rate Year Ending December 31, 2017
(\$000's)

	Staff Direct Amount		Settlement Adjustments Amount		Joint Proposal Amount	
Adj. 5 Amortization of Regulatory Deferrals						
(1) To properly reflect the Company's proposal for rate year amortization of SIR deferral	\$ (43,238)		\$ -		\$ (43,238)	
(2) To reflect the amortization of SIR deferral as an O&M expense item	(18,521)	\$ (61,759)	-	\$ -	(18,521)	\$ (61,759)
Adj. 6 Depreciation Expense						
(1) To adjust depreciation expense to reflect Staff's depreciation rates	(18,723)		1,020		(17,703)	
(2) To reflect the removal of amounts included in the Company's rate year projection of depreciation expense for historic year costs charged to capital and plant in service for NYC Commissioner of Finance charges (fines and violations)	(63)		32		(32)	
(3) To reflect additional settlement depreciation changes for LPP and Company rates	0		(8,543)		(8,543)	
(4) To reflect additional settlement depreciation changes related to capex changes	0		(492)		(492)	
(5) Reflect LPP mileage and settlement capex changes	0		7		7	
(6) To reflect settlement - remove Newtown Creek	0	\$ (18,786)	(475)	\$ (8,451)	(475)	\$ (27,237)
Adj. 7 Taxes Other Than Revenue & Income Taxes						
Payroll Taxes						
Tracking adjustment for management wage increase reduction from 3.2% to 3.0%	(5)	\$ (5)	5	\$ 5	-	\$ -
Total Taxes Other Than Revenue & Income Taxes		\$ (5)		\$ 5		\$ -
Adj. 8 Rate Base						
a. Net Utility Plant						
(1) To reflect Staff's forecast of plant additions.	(14,994)		12,579		(2,415)	
(2) To reflect the removal of amounts included in the Company's rate year projection of net utility plant for historic year costs charged to capital and plant in service for NYC Commissioner of Finance charges (fines and violations)	(3,252)		1,626		(1,626)	
(3) To flow through Depreciation adjustments to depreciation reserve	0		8,769		8,769	
(4) To reflect Staff mileage of LPP at Company's unit cost	0		2,672		2,672	
(5) To remove Newtown Creek from Rate Base	0		(17,464)		(17,464)	
(6) To update LPP unit cost & additional capex changes	0		3,008		3,008	
(7) To reduce capex -settlement	0	\$ (18,246)	(689)	\$ 10,501	(689)	\$ (7,745)
b. Accumulated Deferred Income Taxes						
(1) To reflect the removal of amounts included in the Company's rate year projection of ADIT for historic year costs charged to capital and plant in service for NYC Commissioner of Finance charges (fines and violations)	865		(433)		433	
(2) To adjust ADFIT tracking OEGW's plant in service adjustments at a rate of 25.58% per Company, allocated between ADFIT and ADSIT	5,289		(4,950)		339	
(3) To adjust ADSIT tracking OEGW's plant in service adjustments at a rate of 25.58% per Company, allocated between ADFIT and ADSIT	790	\$ 6,944	(910)	\$ (6,292)	(119)	\$ 652
c. Working Capital						
To adjust working capital to reflect staffs O&M Adjustments	2,113	\$ 2,113	(3,308)	\$ (3,308)	(1,195)	\$ (1,195)
d. Supply Cash Allowance						
(1) To flow through change in commodity costs - Staff Testimony			154		154	
(2) To flow through change in commodity costs - settlement due to change in revenues	-	\$ -	913	\$ 1,067	913	\$ 1,067
Total Rate Base Adjustments		\$ (9,189)		\$ 1,968		\$ (7,221)

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Taxes Other Than Income Taxes
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Adj. #	Staff Adjustments	Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
Real Estate Taxes						
Real Property	\$ 15,297		\$ -	\$ 15,297	\$ -	\$ 15,297
Special Franchise	125,612		0	125,612	0	125,612
Total Real Estate Taxes	<u>140,909</u>		<u>0</u>	<u>140,909</u>	<u>0</u>	<u>140,909</u>
Payroll Taxes	10,421	(7)	(5)	10,416	5	10,421
Other	94		0	94	0	94
Total Taxes Other Than Revenue and Income Taxes	<u>\$ 151,424</u>		<u>\$ (5)</u>	<u>\$ 151,419</u>	<u>\$ 5</u>	<u>\$ 151,424</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of Depreciation and Amortization Expense
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Adj.	Staff Adjustments	Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
Depreciation Expense (acct 403)	\$ 117,796	(6)	\$ (18,786)	\$ 99,010	\$ (8,451)	\$ 90,560
Amortization Expense (acct 404-405)	0		0	0	0	0
Accretion Expense (acct 411.10)	0		0	0	0	0
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	0		0	0	0	0
Total Depreciation & Amortization Expense	\$ 117,796		\$ (18,786)	\$ 99,010	\$ (8,451)	\$ 90,560

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Tax Deduction for Interest Expense
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Staff Adjustments	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal
Avg Rate Base Per Books	\$ 2,994,589	\$ (9,189)	\$ 2,985,400	\$ 1,968	\$ 2,987,367
Plus: Forecast of Avg Interest Bearing CWIP	0	0	0	0	0
Less: Rate Base moved to GAC	0	0	0	0	0
Less: Excess Earnings Adj (EBCAP)	35,294	0	35,294	0	35,294
Rate Base	<u>2,959,294</u>	<u>(9,189)</u>	<u>2,950,105</u>	<u>1,968</u>	<u>2,952,073</u>
Weighted Cost of LTD Debt	1.82%	0.06%	1.88%	-0.06%	1.82%
Weighted Cost of Cust Deposits	0.01%	0.00%	0.01%	0.00%	0.01%
subtotal weighted cost of debt	<u>1.83%</u>	<u>0.06%</u>	<u>1.89%</u>	<u>-0.06%</u>	<u>1.83%</u>
Total Income Tax Interest Deduction	\$ 54,155	\$ 1,602	\$ 55,757	\$ (1,734)	\$ 54,023

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Working Capital - Cash Allowance
For the Rate Year Ending December 31, 2017
(\$000's)

Description	C&U Filing Rate Year Ending December 31, 2017	Staff Adjustments	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal
Total O&M Expense	\$ 554,049	\$ 16,902	\$ 570,951	\$ 17,586	\$ 588,537
Remove major non-cash items included O&M expense :					
Bad Debt expense	(13,863)	0	(13,863)	479	(13,384)
Other (Energy Efficiency, 18-a Assessment, Residential Reduced Rate Program, and Amortization SIR Deferral)	(22,995)	0	(22,995)	(44,527)	(67,522)
Subtotal	(36,858)	0	(36,858)	(44,048)	(80,906)
Add major cash items not included in O&M expense:					
Other	0	0	0	0	0
Subtotal	0	0	0	0	0
Total Adjustments	(36,858)	0	(36,858)	(44,048)	(80,906)
Adjusted O&M Expense	\$ 517,191	\$ 16,902	\$ 534,093	\$ (26,462)	\$ 507,631
Departmental Cash Allowance - 1/8 (45 days)	64,649	2,113	66,762	(3,308)	63,454
Supply Cost Cash Allowance (3.64% x HY Gas exp)	0	0	0	0	0

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ended December 31, 2017
(\$000's)

	TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A) AVERAGE RATE BASE - PER BOOKS	\$ 2,367,917	0	\$ 2,367,917	0	\$ 2,367,917
(B) ADD: Average interest-bearing CWIP	193,463	0	193,463	0	193,463
(C) TOTAL EARNINGS BASE (A+B)	<u>2,561,380</u>	<u>0</u>	<u>2,561,380</u>	<u>0</u>	<u>2,561,380</u>
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
Long Term Debt	1,040,500		1,040,500		1,040,500
Notes Payable	0		0		0
Gas Supplier Refunds	961		961		961
Customer Deposits	27,855		27,855		27,855
Preferred Stock	0		0		0
Common Equity (excludes merger GW; incl TCI adj)	<u>1,360,578</u> ¹		<u>1,360,578</u>		<u>1,360,578</u>
Avg. Allocated to Gas based on Earnings Base	2,429,894		2,429,894		2,429,894
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(F) SUBTOTAL (D+E)	<u>2,429,894</u>		<u>2,429,894</u>		<u>2,429,894</u>
LESS Average Investments in:					
Detailed balance sheet accounts	(83,398)	0	(83,398)	0	(83,398)
Accumulated Def Inc Tax Adjustment	(57,304)	0	(57,304)	0	(57,304)
Goodwill	n/a ¹				
(G) Total Deductions	<u>(140,702)</u>		<u>(140,702)</u>		<u>(140,702)</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>2,570,596</u>		<u>2,570,596</u>		<u>2,570,596</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers (C-H)	<u>\$ (9,216)</u>		<u>\$ (9,216)</u>		<u>\$ (9,216)</u>

¹ Goodwill related to the NM merger with National Grid is excluded from the equity component of capitalization, pursuant to section 6.1 of the approved Stipulation Agreement.

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Statement of Operating Income
For the Rate Year Ending December 31, 2018
(\$000's)

	Rate Year Ending December 31, 2017	Adj. #	Adjustments	Rate Year Ending December 31, 2018	Base Revenue Increase Required	Rate Year Ending December 31, 2018 with Base Revenue Requirement
Operating Revenues	\$ 1,570,361	(1)	\$ 39,423	\$ 1,609,784	\$ 41,022	\$ 1,650,806
Deductions						
Purchased Gas Costs	411,537	(2)	26,904	438,441		438,441
Revenue Taxes	58,065	(3)	1,521	59,586	1,515	61,101
Total Deductions	469,602		28,425	498,027	1,515	499,542
Gross Margin	1,100,759		10,998	1,111,757	39,507	1,151,264
Total Operation & Maintenance Expenses	591,409	(4)	(1,863)	589,546	433	589,979
Amortization of Regulatory Deferrals	0	(5)	0	0		0
Depreciation, Amort. & Loss on Disposition	90,560	(6)	8,806	99,366		99,366
Taxes Other Than Revenue & Income Taxes	151,424	(7)	10,903	162,327		162,327
Total Operating Revenue Deductions	833,393		17,845	851,238	433	851,671
Operating Income Before Income Taxes	267,366		(6,847)	260,519	39,074	299,593
Income Taxes						
Federal Income Taxes	68,715		(4,280)	64,435	12,538	76,973
State Income Taxes	17,099		(615)	15,989	3,251	19,240
Total Income Taxes	85,814		(4,895)	80,424	15,789	96,213
Operating Income After Income Taxes	\$ 181,552		\$ (1,953)	\$ 180,094	\$ 23,285	\$ 203,379
Rate Base	\$ 2,952,073		\$ 354,911	\$ 3,306,984		\$ 3,306,984
Rate of Return	6.15%					6.15%

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of O&M Expenses
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adj. #	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Operation & Maintenance Expenses:				
Departmental Items:				
Consultants	\$ 10,454	4a	220	\$ 10,674
Contractors	60,766	4a	1,276	62,042
Donations	0		-	0
Employee Expenses	2,949	4a	62	3,010
Hardware	280	4a	6	286
Software	4,069	4a	85	4,155
Other	18,073	4a	380	18,452
Rents	4,668	4a	122	4,790
Service Company Rents	12,798	4b	1,622	14,420
Construction Reimbursement	(422)	4a	(9)	(431)
FAS 106	14,087	4c	(1,483)	12,604
FAS 112	263	4a	5	268
Health Care	18,827	4a	395	19,222
Group Life Insurance	948	4a	20	968
Other Benefits	169	4a	4	172
Pensions	38,683	4d	(9,165)	29,518
Thrift Plan	4,326	4a	91	4,417
Workers Comp	2,196	4a	46	2,242
Materials Outside Vendor	5,706	4a	120	5,826
Materials From Inventory	5,753	4a	121	5,874
Materials Stores Handling	1,364	4a	29	1,392
Postage	9,690	4a	203	9,894
Total Labor	143,074	4e	3,845	146,919
Transportation	7,251	4f	137	7,387
Energy Efficiency program	21,466	4g	(80)	21,387
Injuries and Damages	11,070	4a	232	11,302
Other Initiatives	59,478	4h	8,077	67,554
Productivity Adjustment	(6,665)	4i	(2,377)	(9,042)
Rate Case Expense	372		0	372
Regulatory Assessment Fees	7,970	4j	(2,421)	5,549
Uncollectible Accounts	13,384	4k	405	13,788
SIR	53,872	4l	(8,219)	45,652
Amortization of SIR Deferral	18,521		-	18,521
Joint Facilities	10,740	4a	226	10,966
PEX Savings	(2,160)	4a	(45)	(2,205)
Paving	5,435	4a	114	5,549
Legal	2,008	4a	42	2,050
Accounting	1,030	4a	22	1,052
Incentive Programs	1,049	4a	2	1,051
Residential Reduced Rate Program	25,000	4m	6,900	31,900
Sub Total - Departmental	\$ 588,537		\$ 1,009	589,546
 TOTAL	 \$ 588,537		 \$ 1,009	 589,546

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Federal Income Taxes
For the Rate Year Ending December 31, 2018
(Whole Dollars)

	Federal Taxable Income	Deferable Basis	Adjustments	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 260,518,817			\$ 260,518,817	\$ 91,182,000	\$	\$ 91,182,000
ADDITIONS							
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	84,438			84,438	30,000	0	30,000
DEDUCTIONS							
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0	0
INTEREST	(60,518,000)			(60,518,000)	(21,181,000)	0	(21,181,000)
NEW YORK STATE RATE CHANGE (FIT on SIT)	0	0	0	0	0	230,197	230,197
DIVIDEND PAID CREDIT	0	0	0	0	0	0	0
NEW YORK STATE INCOME TAXES - CURRENT PROVISION	(16,647,000)	0	0	(16,647,000)	(5,826,000)	0	(5,826,000)
OTHER STATE INCOME TAXES	0	0	0	0	0	0	0
COST OF REMOVAL	0	0	0	0	0	0	0
TAX DEPRECIATION	0	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0	0
AMORTIZATION PASNY CONTRACT	0	0	0	0	0	0	0
CLASS B CONTRACTS AMORTIZATION	0	0	0	0	0	0	0
TOTAL FIT EXPENSE	\$ 183,438,255	\$ -	\$ 183,438,255	\$ 183,438,255	\$ 64,205,000	\$ 230,197	\$ 64,435,197

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
State Income Taxes
For the Rate Year Ending December 31, 2018
(Whole Dollars)

	State Taxable Income	Deferable Basis	Adjustments	Book Taxable Income	@ blended Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 260,518,817			\$ 260,518,817	\$ 21,675,000	\$	\$ 21,675,000
ADDITIONS							
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	84,438			84,438	7,000	0	7,000
BUSINESS MEALS 50% DISALLOWANCE	0			0	0	0	0
DEDUCTIONS							
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0	0
OTHER POST RETIREMENT BENEFIT LIABILITY-MEDICARE PIECE	(60,518,000)	0	0	(60,518,000)	(5,035,000)	(657,706)	(5,035,000)
INTEREST	0	0	0	0	0	0	(657,706)
NEW YORK STATE RATE CHANGE	0	0	0	0	0	0	0
GAS CONTINGENCY RESERVE	0	0	0	0	0	0	0
IBM CUSTOMER SYSTEM SETTLEMENT	0	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0	0
TOTAL SIT EXPENSE	\$ 200,085,255	\$ -	\$ -	\$ 200,085,255	\$ 16,647,000	\$ (657,706)	\$ 15,989,294

8.32%

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of Rate Base
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adj.	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Net Utility Plant	\$ 3,636,516	(8a)	\$ 501,904	\$ 4,138,421
Regulatory Assets / Liabilities	26,041	(8b)	(1,804)	24,237
Accumulated Deferred Income Taxes - Federal	(817,580)	(8c)1,2	(126,533)	(944,113)
Accumulated Deferred Income Taxes - State	(121,377)	(8c)3	(24,102)	(145,480)
Working Capital				
Materials and supplies	113,823	(8d)	2,390	116,213
Prepayments	54,871	(8d)	1,152	56,023
O&M Cash Allowance (1/8 O&M exp)	63,454	(8d)	(460)	62,994
Supply Cash Allowance (Sep 09 lead/lag study)	44,511	(8d)	0	44,511
Change in Supply Cash Allowance (3.64% x RY Gas exp)	(12,891)	(8d)	2,364	(10,527)
subtotal Working Capital	<u>263,767</u>		<u>5,446</u>	<u>269,213</u>
subtotal avg. before EBCAP adj.	<u>2,987,367</u>		<u>354,911</u>	<u>3,342,278</u>
Excess Earnings Base adjustment	<u>(35,294)</u>		<u>0</u>	<u>(35,294)</u>
Total Rate Base	\$ <u>2,952,073</u>		\$ <u>354,911</u>	\$ <u>3,306,984</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Capital Structure
For the Rate Year Ending December 31, 2018

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 1,475,235	51.28%	3.55%	1.82%	1.82%
Customer Deposits	20,771	0.72%	0.85%	0.01%	0.01%
Common Equity	1,380,928	48.00%	9.00%	4.32%	7.25%
Total	\$ 2,876,934	100.00%		6.15%	9.08%

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	1.06%	1.057%		GRT	\$ 59,586
GRT rate for Rev Req	3.69%			tax	\$ 1,609,784
Federal Income Tax rate	35.00%			revenue	0.037014832
NYS Income Tax rate	8.32%	59.59%			
Historic Year EBCAP	0.00%				
General Inflation (from 12/31/17 to 12/31/18)	2.10%				

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Adjustments for the Rate Year Ending December 31, 2018
(\$000's)

	<u>Adjustments</u>		<u>Amount</u>		
Adj. 1	Operating Revenues				
(a)	To reflect CY18 sales forecast	39,423	\$ 39,423	39,423	\$ 39,423
Adj. 2	Purchased Gas Costs				
(a)	To reflect CY18 forecast	26,904	\$ 26,904	26,904	\$ 26,904
Adj. 3	Revenue Taxes				
(a)	To reflect change in revenue taxes on adjustment 1.a.	1,521	\$ 1,521	1,521	\$ 1,521
Adj. 4	Operating and Maintenance Expenses				
(a)	Various Expenses To reflect increase in expense due to inflation	3,769	\$ 3,769	3,769	\$ 3,769
(b)	Service Company Rents To reflect CY18 forecast	1,622	\$ 1,622	1,622	\$ 1,622
(c)	FAS 106 To reflect forecast per actuarial report	(1,483)	\$ (1,483)	(1,483)	\$ (1,483)
(d)	Pensions To reflect forecast per actuarial report	(9,165)	\$ (9,165)	(9,165)	\$ (9,165)
(e)	Labor Expense To reflect increase in salaries and wages by labor inflation factor	3,845	\$ 3,845	3,845	\$ 3,845
(f)	Transportation Expense To reflect specific CY18 forecast and general inflation	137	\$ 137	137	\$ 137
(g)	Energy Efficiency To reflect CY18 forecast	(80)	\$ (80)	(80)	\$ (80)
(h)	Other Initiatives To reflect CY 18 forecast and general and labor inflation	8,077	\$ 8,077	8,077	\$ 8,077
(i)	Productivity Flow through adjustment related to labor adjustment (1.5%)	(2,377)	\$ (2,377)	(2,377)	\$ (2,377)
(j)	Regulatory Assessment Fee To reflect CY18 forecast	(2,421)	\$ (2,421)	(2,421)	\$ (2,421)
(k)	Uncollectible Accounts To reflect increase associated with change in revenues	405	\$ 405	405	\$ 405
(l)	Site Investigation & Remediation To reflect CY 18 forecast	(8,219)	\$ (8,219)	(8,219)	\$ (8,219)
(m)	Residential Reduced Rate Program To reflect CY18 forecast	6,900	\$ 6,900	6,900	\$ 6,900
	Total Operating & Maintenance Expense Adjustments		\$ 1,009		\$ 1,009

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059

	<u>Adjustments</u>		<u>Amount</u>	
<u>Adj. 5</u> <u>Amortization of Regulatory Deferrals</u>	-	-	-	-
	-	\$ -	-	\$ -
<u>Adj. 6</u> <u>Depreciation Expense</u>				
(a) To reflect CY18 forecast associated with Net Utility Plant	8,806	\$ 8,806	8,806	\$ 8,806
<u>Adj. 7</u> <u>Taxes Other Than Revenue & Income Taxes</u>				
(a) Real Estate Taxes To reflect CY18 forecast	10,731	\$ 10,731	10,731	\$ 10,731
(b) Payroll Taxes Flow through adjustment related to labor adjustment	170	\$ 170	170	\$ 170
(c) Other Taxes To reflect increase due to inflation	2	\$ 2	2	\$ 2
Total Taxes Other Than Revenue & Income Taxes		<u>\$ 10,903</u>		<u>\$ 10,903</u>
<u>Adj. 8</u> <u>Rate Base</u>				
(a) Net Utility Plant To reflect CY 18 Plant forecast	501,904	\$ 501,904	501,904	\$ 501,904
(b) Regulatory Assets and Liabilities To reflect CY 18 forecast	(1,804)	\$ (1,804)	(1,804)	\$ (1,804)
(c) Accumulated Deferred Income Taxes				
(1) To reflect CY18 forecast increase -federal (includes flow throughs)	(126,533)		(126,533)	
	-		-	
(2) To reflect CY18 forecast increase -state (includes flow throughs)	(24,102)	\$ (150,635)	(24,102)	\$ (150,635)
(d) Working Capital				
(1) To reflect increase in Materials due to inflation	2,390		2,390	
(2) To reflect increase in Prepayments due to inflation	1,152		1,152	
(3) To reflect increase in O&M Cash Allowance based on changes in expense levels	(460)		(460)	
(4) To reflect increase in Supply Cash Allowance based on CY 18 forecast	2,364		2,364	
		\$ 5,446		\$ 5,446
Total Rate Base Adjustments		<u>\$ 354,911</u>		<u>\$ 354,911</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Taxes Other Than Income Taxes
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Taxes Other Than Revenue and Income Taxes			
Real Estate Taxes			
Real Property	\$ 140,909 (7a)	\$ 10,731	\$ 151,640
Special Franchise	0	0	0
Total Real Estate Taxes	<u>140,909</u>	<u>10,731</u>	<u>151,640</u>
Payroll Taxes	10,421 (7b)	170	10,591
Other	94 (7c)	2	95
Total Taxes Other Than Revenue and Income Taxes	<u>\$ 151,424</u>	<u>\$ 10,903</u>	<u>\$ 162,327</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of Depreciation and Amortization Expense
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adj.	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Depreciation Expense (acct 403)	\$ 90,560	(6)	\$ 8,806	\$ 99,366
Amortization Expense (acct 404-405)	0		0	0
Accretion Expense (acct 411.10)	0		0	0
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	0		0	0
Total Depreciation & Amortization Expense	<u>\$ 90,560</u>		<u>\$ 8,806</u>	<u>\$ 99,366</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Tax Deduction for Interest Expense
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Avg Rate Base Per Books	\$ 2,987,367	\$ 354,911	\$ 3,342,278
Plus: Forecast of Avg Interest Bearing CWIP	0	0	0
Less: Rate Base moved to GAC	0	0	0
Less: Excess Earnings Adj (EBCAP)	35,294	0	35,294
Rate Base	<u>2,952,073</u>	<u>354,911</u>	<u>3,306,984</u>
Weighted Cost of LTD Debt	1.82%	0.00%	1.82%
Weighted Cost of Cust Deposits	0.01%	0.00%	0.01%
subtotal weighted cost of debt	<u>1.83%</u>	<u>0.00%</u>	<u>1.83%</u>
Total Income Tax Interest Deduction	<u>\$ 54,023</u>	<u>\$ 6,495</u>	<u>\$ 60,518</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Working Capital - Cash Allowance
For the Rate Year Ending December 31, 2018
(\$000's)

Description	Joint Proposal Rate Year Ending December 31, 2017	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Total O&M Expense	\$ 588,537	\$ 1,009	\$ 589,546
Remove major non-cash items included O&M expense :			
Bad Debt expense	(13,384)	(405)	(13,789)
Other (Energy Efficiency, 18-a Assessment, Residential Reduced Rate Program, and Amortization SIR Deferral)	(67,522)	(4,286)	(71,807)
Subtotal	(80,906)	(4,690)	(85,596)
Add major cash items not included in O&M expense:			
Other	0		0
Subtotal	0	0	0
Total Adjustments	(80,906)	(4,690)	(85,596)
Adjusted O&M Expense	\$ 507,631	\$ (3,682)	\$ 503,950
Departmental Cash Allowance - 1/8 (45 days)	63,454	(460)	62,994
Supply Cost Cash Allowance (3.64% x HY Gas exp)	0	0	0

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ended December 31, 2018
(\$000's)

	TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A) AVERAGE RATE BASE - PER BOOKS	\$ 2,367,917	0	\$ 2,367,917	0	\$ 2,367,917
(B) ADD: Average interest-bearing CWIP	193,463	0	193,463	0	193,463
(C) TOTAL EARNINGS BASE (A+B)	<u>2,561,380</u>	<u>0</u>	<u>2,561,380</u>	<u>0</u>	<u>2,561,380</u>
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
Long Term Debt	1,040,500		1,040,500		1,040,500
Notes Payable	0		0		0
Gas Supplier Refunds	961		961		961
Customer Deposits	27,855		27,855		27,855
Preferred Stock	0		0		0
Common Equity (excludes merger GW; incl TCI adj)	<u>1,360,578</u> ¹		<u>1,360,578</u>		<u>1,360,578</u>
Avg. Allocated to Gas based on Earnings Base	2,429,894		2,429,894		2,429,894
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(F) SUBTOTAL (D+E)	<u>2,429,894</u>		<u>2,429,894</u>		<u>2,429,894</u>
LESS Average Investments in:					
Detailed balance sheet accounts	(83,398)	0	(83,398)	0	(83,398)
Accumulated Def Inc Tax Adjustment	(57,304)	0	(57,304)	0	(57,304)
Goodwill	n/a ¹				
(G) Total Deductions	<u>(140,702)</u>		<u>(140,702)</u>		<u>(140,702)</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>2,570,596</u>		<u>2,570,596</u>		<u>2,570,596</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers (C-H)	<u>\$ (9,216)</u>		<u>\$ (9,216)</u>		<u>\$ (9,216)</u>

¹ Goodwill related to the NM merger with National Grid is excluded from the equity component of capitalization, pursuant to section 6.1 of the approved Stipulation Agreement.

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Statement of Operating Income
For the Rate Year Ending December 31, 2019
(\$000's)

	Rate Year Ending December 31, 2018	Adj. #	Adjustments	Rate Year Ending December 31, 2019	Base Revenue Increase Required	Rate Year Ending December 31, 2019 with Base Revenue Requirement
Operating Revenues	\$ 1,650,806	(1)	\$ 28,516	\$ 1,679,321	\$ 48,915	\$ 1,728,236
Deductions						
Purchased Gas Costs	438,441	(2)	14,079	452,520		452,520
Revenue Taxes	61,101	(3)	1,005	62,106	1,809	63,915
Total Deductions	499,542		15,084	514,626	1,809	516,435
Gross Margin	1,151,264		13,431	1,164,695	47,106	1,211,801
Total Operation & Maintenance Expenses	589,979	(4)	(3,619)	586,360	516	586,876
Amortization of Regulatory Deferrals	0	(5)	0	0		0
Depreciation, Amort. & Loss on Disposition	99,366	(6)	10,709	110,075		110,075
Taxes Other Than Revenue & Income Taxes	162,327	(7)	14,422	176,749		176,749
Total Operating Revenue Deductions	851,671		21,512	873,184	516	873,700
Operating Income Before Income Taxes	299,593		(8,081)	291,512	46,590	338,102
Income Taxes						
Federal Income Taxes	76,973		(5,084)	71,889	14,950	86,839
State Income Taxes	19,240		(1,318)	17,922	3,876	21,798
Total Income Taxes	96,213		(6,402)	89,811	18,826	108,637
Operating Income After Income Taxes	\$ 203,379		\$ (1,679)	\$ 201,700	\$ 27,764	\$ 229,464
Rate Base	\$ 3,306,984		\$ 424,146	\$ 3,731,129		\$ 3,731,129
Rate of Return	6.15%					6.15%

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of O&M Expenses
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adj. #	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Operation & Maintenance Expenses:				
Departmental Items:				
Consultants	\$ 10,674	4a	224	\$ 10,898
Contractors	62,042	4a	1,303	63,345
Donations	0		-	0
Employee Expenses	3,010	4a	63	3,074
Hardware	286	4a	6	292
Software	4,155	4a	87	4,242
Other	18,452	4a	388	18,840
Rents	4,790	4a	196	4,986
Service Company Rents	14,420	4b	1,693	16,113
Construction Reimbursement	(431)	4a	(9)	(440)
FAS 106	12,604	4c	(1,883)	10,722
FAS 112	268	4a	6	274
Health Care	19,222	4a	404	19,626
Group Life Insurance	968	4a	20	988
Other Benefits	172	4a	4	176
Pensions	29,518	4d	(9,524)	19,995
Thrift Plan	4,417	4a	93	4,510
Workers Comp	2,242	4a	47	2,289
Materials Outside Vendor	5,826	4a	122	5,948
Materials From Inventory	5,874	4a	123	5,997
Materials Stores Handling	1,392	4a	29	1,421
Postage	9,894	4a	208	10,102
Total Labor	146,919	4e	4,220	151,139
Transportation	7,387	4f	(17)	7,370
Energy Efficiency program	21,387	4g	228	21,615
Injuries and Damages	11,302	4a	237	11,539
Other Initiatives	67,554	4h	(836)	66,719
Productivity Adjustment	(9,042)	4i	(2,478)	(11,521)
Rate Case Expense	372		-	372
Regulatory Assessment Fees	5,549	4j	117	5,665
Uncollectible Accounts	13,788	4k	260	14,049
SIR	45,652	4l	1,115	46,767
Amortization of SIR Deferral	18,521		-	18,521
Joint Facilities	10,966	4a	230	11,196
PEX Savings	(2,205)	4a	(46)	(2,251)
Paving	5,549	4a	117	5,665
Legal	2,050	4a	43	2,093
Accounting	1,052	4a	22	1,074
Incentive Programs	1,051	4a	2	1,053
Residential Reduced Rate Program	31,900	4m	-	31,900
Sub Total - Departmental	\$ 589,546		\$ (3,186)	\$ 586,360
 TOTAL	 \$ 589,546		 \$ (3,186)	 \$ 586,360

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of Rate Base
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adj.	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Net Utility Plant	\$ 4,138,421	(8a)	\$ 580,921	\$ 4,719,342
Regulatory Assets / Liabilities	24,237	(8b)	(1,804)	22,433
Accumulated Deferred Income Taxes - Federal	(944,113)	(8c)1,2	(131,587)	(1,075,700)
Accumulated Deferred Income Taxes - State	(145,480)	(8c)3	(27,778)	(173,257)
Working Capital				
Materials and supplies	116,213	(8d)	2,440	118,653
Prepayments	56,023	(8d)	1,176	57,199
O&M Cash Allowance (1/8 O&M exp)	62,994	(8d)	(459)	62,535
Supply Cash Allowance (Sep 09 lead/lag study)	44,511	(8d)	0	44,511
Change in Supply Cash Allowance (3.64% x RY Gas exp)	(10,527)	(8d)	1,236	(9,291)
subtotal Working Capital	269,213		4,393	273,607
subtotal avg. before EBCAP adj.	3,342,278		424,146	3,766,424
Excess Earnings Base adjustment	(35,294)		0	(35,294)
Total Rate Base	\$ 3,306,984		\$ 424,146	\$ 3,731,129

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Capital Structure
For the Rate Year Ending December 31, 2019

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 1,477,144	51.34%	3.55%	1.82%	1.82%
Customer Deposits	20,139	0.70%	0.85%	0.01%	0.01%
Common Equity	1,380,928	48.00%	9.00%	4.32%	7.25%
Total	\$ 2,876,934	100.04%		6.15%	9.08%

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req	1.06%	1.057%	GRT	\$ 62,106
Bad Debt % for Rev Req	3.70%		tax	\$ 1,679,321
GRT rate for Rev Req	35.00%		revenue	0.036982784
Federal Income Tax rate	8.32%	59.59%		
NYS Income Tax rate	0.00%			
Historic Year EBCAP	2.10%			
General Inflation (from 12/31/18 to 12/31/19)				

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Adjustments for the Rate Year Ending December 31, 2019
(\$000's)

		<u>Adjustments</u>		<u>Amount</u>	
Adj. 1	Operating Revenues			-	
(a)	To reflect CY19 sales forecast	28,516	\$ 28,516	28,516	\$ 28,516
Adj. 2	Purchased Gas Costs				
(a)	To reflect CY19 forecast	14,079	\$ 14,079	14,079	\$ 14,079
Adj. 3	Revenue Taxes				
(a)	To reflect change in revenue taxes on adjustment 1.a.	1,005	\$ 1,005	1,005	\$ 1,005
Adj. 4	Operating and Maintenance Expenses				
(a)	Various Expenses To reflect increase in expense due to inflation	3,918	\$ 3,918	3,918	\$ 3,918
(b)	Service Company Rents To reflect CY19 forecast	1,693	\$ 1,693	1,693	\$ 1,693
(c)	FAS 106 To reflect forecast per actuarial report	(1,883)	\$ (1,883)	(1,883)	\$ (1,883)
(d)	Pensions To reflect forecast per actuarial report	(9,524)	\$ (9,524)	(9,524)	\$ (9,524)
(e)	Labor Expense To reflect increase in salaries and wages by labor inflation factor	4,220	\$ 4,220	4,220	\$ 4,220
(f)	Transportation Expense To reflect specific CY19 forecast and general inflation	(17)	\$ (17)	(17)	\$ (17)
(g)	Energy Efficiency To reflect CY19 forecast	228	\$ 228	228	\$ 228
(h)	Other Initiatives To reflect CY19 forecast and general and labor inflation	(836)	\$ (836)	(836)	\$ (836)
(i)	Productivity Flow through adjustment related to labor adjustment (1.5%)	(2,478)	\$ (2,478)	(2,478)	\$ (2,478)
(j)	Regulatory Assessment Fee To reflect CY19 forecast	117	\$ 117	117	\$ 117
(k)	Uncollectible Accounts To reflect increase associated with change in revenues	260	\$ 260	260	\$ 260
(l)	Site Investigation & Remediation To reflect CY19 forecast	1,115	\$ 1,115	1,115	\$ 1,115
(m)	Residential Reduced Rate Program To reflect CY19 forecast	-	\$ -	-	\$ -
	Total Operating & Maintenance Expense Adjustments		<u>\$ (3,186)</u>		<u>\$ (3,186)</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Adjustments for the Rate Year Ending December 31, 2019
(\$000's)

	<u>Adjustments</u>		<u>Amount</u>	
Adj. 5				
<u>Amortization of Regulatory Deferrals</u>	-	\$ -	-	\$ -
Adj. 6				
<u>Depreciation Expense</u>				
(a) To reflect CY19 forecast associated with Net Utility Plant	10,709	\$ 10,709	10,709	\$ 10,709
Adj. 7				
<u>Taxes Other Than Revenue & Income Taxes</u>				
(a) <u>Real Estate Taxes</u>				
To reflect CY19 forecast	14,261	\$ 14,261	14,261	\$ 14,261
(b) <u>Payroll Taxes</u>				
Flow through adjustment related to labor adjustment	159	\$ 159	159	\$ 159
(c) <u>Other Taxes</u>				
To reflect increase due to inflation	2	\$ 2	2	\$ 2
Total Taxes Other Than Revenue & Income Taxes		\$ 14,422		\$ 14,422
Adj. 8				
<u>Rate Base</u>				
(a) <u>Net Utility Plant</u>				
To reflect CY19 Plant forecast	580,921	\$ 580,921	580,921	\$ 580,921
(b) <u>Regulatory Assets and Liabilities</u>				
To reflect CY19 forecast	(1,804)	\$ (1,804)	(1,804)	\$ (1,804)
(c) <u>Accumulated Deferred Income Taxes</u>				
(1) To reflect CY19 forecast increase -federal (includes flow throughs)	(131,587)		(131,587)	
(2) To reflect CY19 forecast increase -state (includes flow throughs)	(27,778)	\$ (159,365)	(27,778)	\$ (159,365)
(d) <u>Working Capital</u>				
(1) To reflect increase in Materials due to inflation	2,440		2,440	
(2) To reflect increase in Prepayments due to inflation	1,176		1,176	
(3) To reflect increase in O&M Cash Allowance based on changes in expense levels	(459)		(459)	
(4) To reflect increase in Supply Cash Allowance based on CY19 forecast	1,236		1,236	
		\$ 4,393	-	\$ 4,393
Total Rate Base Adjustments		\$ 424,146		\$ 424,146

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Taxes Other Than Income Taxes
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Taxes Other Than Revenue and Income Taxes			
Real Estate Taxes			
Real Property	\$ 151,640 (7a)	\$ 14,261	\$ 165,901
Special Franchise	0	0	0
Total Real Estate Taxes	<u>151,640</u>	<u>14,261</u>	<u>165,901</u>
Payroll Taxes	10,591 (7b)	159	10,750
Other	95 (7c)	2	98
Total Taxes Other Than Revenue and Income Taxes	<u>\$ 162,327</u>	<u>\$ 14,422</u>	<u>\$ 176,749</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Summary of Depreciation and Amortization Expense
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adj.	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Depreciation Expense (acct 403)	\$ 99,366	(6)	\$ 10,709	\$ 110,075
Amortization Expense (acct 404-405)	0		0	0
Accretion Expense (acct 411.10)	0		0	0
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	0		0	0
Total Depreciation & Amortization Expense	<u>\$ 99,366</u>		<u>\$ 10,709</u>	<u>\$ 110,075</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Tax Deduction for Interest Expense
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Avg Rate Base Per Books	\$ 3,342,278	\$ 424,146	\$ 3,766,424
Plus: Forecast of Avg Interest Bearing CWIP	0	0	0
Less: Rate Base moved to GAC	0	0	0
Less: Excess Earnings Adj (EBCAP)	35,294	0	35,294
Rate Base	<u>3,306,984</u>	<u>424,146</u>	<u>3,731,130</u>
Weighted Cost of LTD Debt	1.82%	0.00%	1.82%
Weighted Cost of Cust Deposits	0.01%	0.00%	0.01%
subtotal weighted cost of debt	<u>1.83%</u>	<u>0.00%</u>	<u>1.83%</u>
Total Income Tax Interest Deduction	<u>\$ 60,518</u>	<u>\$ 7,762</u>	<u>\$ 68,280</u>

The Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Working Capital - Cash Allowance
For the Rate Year Ending December 31, 2019
(\$000's)

Description	Joint Proposal Rate Year Ending December 31, 2018	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Total O&M Expense	\$ 589,546	\$ (3,186)	\$ 586,360
Remove major non-cash items included O&M expense :			
Bad Debt expense	(13,789)	(260)	(14,049)
Other (Energy Efficiency, 18-a Assessment, Residential Reduced Rate Program, and Amortization SIR Deferral)	(71,807)	(228)	(72,036)
Subtotal	(85,596)	(488)	(86,085)
Add major cash items not included in O&M expense:			
Other	0		
Subtotal	0	0	0
Total Adjustments	(85,596)	(488)	(86,085)
Adjusted O&M Expense	\$ 503,950	\$ (3,674)	\$ 500,275
Departmental Cash Allowance - 1/8 (45 days)	62,994	(459)	62,534
Supply Cost Cash Allowance (3.64% x HY Gas exp)	0	0	0

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Brooklyn Union Gas Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0059
Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ended December 31, 2018
(\$000's)

	TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A) AVERAGE RATE BASE - PER BOOKS	\$ 2,367,917	0	\$ 2,367,917	0	\$ 2,367,917
(B) ADD: Average interest-bearing CWIP	193,463	0	193,463	0	193,463
(C) TOTAL EARNINGS BASE (A+B)	<u>2,561,380</u>	<u>0</u>	<u>2,561,380</u>	<u>0</u>	<u>2,561,380</u>
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):	1,040,500		1,040,500		1,040,500
Long Term Debt	0		0		0
Notes Payable	961		961		961
Gas Supplier Refunds	27,855		27,855		27,855
Customer Deposits	0		0		0
Preferred Stock	1,360,578 ¹		1,360,578		1,360,578
Common Equity (excludes merger GW; incl TCI adj)	2,429,894		2,429,894		2,429,894
(E) Avg. Allocated to Gas based on Earnings Base					
Add dividends declared but unpaid	0		0		0
representing the timing difference					
between declaration and payment					
(F) SUBTOTAL (D+E)	<u>2,429,894</u>	<u>0</u>	<u>2,429,894</u>	<u>0</u>	<u>2,429,894</u>
(G) LESS Average Investments in: Detailed balance sheet accounts	(83,398)	0	(83,398)	0	(83,398)
Accumulated Def Inc Tax Adjustment	(57,304)	0	(57,304)	0	(57,304)
Goodwill	n/a				
Total Deductions	<u>(140,702)</u>		<u>(140,702)</u>		<u>(140,702)</u>
(H) Capitalization Dedicated to Public Service (F-G)	2,570,596		2,570,596		2,570,596
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers (C-H)	<u>\$ (9,216)</u>		<u>\$ (9,216)</u>		<u>\$ (9,216)</u>

¹ Goodwill related to the NM merger with National Grid is excluded from the equity component of capitalization, pursuant to section 6.1 of the approved Stipulation Agreement.

The Brooklyn Union Gas Company d/b/a National Grid NY
Depreciation Rates
Effective 1/1/2017

ACCOUNT	ACCOUNT NAME	ASL	CURVE	NET SALVAGE %	COMBINED DEPRECIATION RATE	ASL DEPRECIATION RATE	NET SALVAGE DEPRECIATION RATE
<u>OTHER STORAGE PLANT-LNG</u>							
361.03	STRUCTURES AND IMPROVEMENTS	65.0	H 4.5	-13.5	1.75	1.54	0.21
362.04	GAS HOLDERS	60.0	H 4.5	-13.5	1.89	1.67	0.22
363.00	PURIFICATION EQUIPMENT	60.0	H 3.5	-13.5	1.89	1.67	0.22
363.00	PURIFICATION EQUIPMENT - Newtown Creek	40.0	H 3.5	-3.0	2.58	2.50	0.08
363.01	LIQUEFACTION EQUIPMENT	60.0	H 2.0	-13.5	1.89	1.67	0.22
363.02	VAPORIZING EQUIPMENT	60.0	H 4.0	-13.5	1.89	1.67	0.22
363.03	COMPRESSOR EQUIPMENT	60.0	H 4.0	-13.5	1.89	1.67	0.22
363.04	MEASURING AND REGULATING EQUIPMENT	38.0	H 0.5	-13.5	2.99	2.63	0.36
363.05	OTHER EQUIPMENT	44.0	H 1.5	-13.5	2.58	2.27	0.31
<u>TRANSMISSION PLANT</u>							
366.00	STRUCTURES AND IMPROVEMENTS	55.0	H 0.5	0	1.82	1.82	0.00
367.08	STEEL - PRE '92	80.0	H 3.0	-60	2.00	1.25	0.75
367.09	STEEL - POST '91	80.0	H 3.0	0	1.25	1.25	0.00
367.06	PLASTIC - POST '91	80.0	H 3.0	-100	2.50	1.25	1.25
369.00	MEASURING & REGULATING EQUIPMENT	50.0	H 4.5	0	2.00	2.00	0.00
<u>DISTRIBUTION PLANT</u>							
375.00	STRUCTURES & IMPROVEMENTS	60.0	H 1.0	-5	1.75	1.67	0.08
376.09	STEEL - PRE '92	75.0	H 2.5	-65	2.20	1.33	0.87
376.01	STEEL - POST '91	80.0	H 3.0	-30	1.63	1.25	0.38
376.07	PLASTIC - PRE '92	75.0	H 3.0	-135	3.13	1.33	1.80
376.18	PLASTIC - POST '91	75.0	H 3.0	-5	1.40	1.33	0.07
378.00	MEASURING & REGULATING EQUIPMENT	50.0	H 1.5	-8	2.16	2.00	0.16
380.02	STEEL - PRE '92	55.0	H 1.5	-5	1.91	1.82	0.09
380.01	STEEL - POST '91	55.0	H 1.5	0	1.82	1.82	0.00
380.05	COPPER - PRE '92	60.0	H 1.5	-4	1.73	1.67	0.06
380.03	COPPER - POST '91	60.0	H 1.5	0	1.67	1.67	0.00
380.07	PLASTIC - PRE '92	55.0	H 3.0	0	1.82	1.82	0.00
380.06	PLASTIC - POST '91	55.0	H 3.0	-35	2.45	1.82	0.63
381.00	METERS	33.0	H 2.5	-1	3.06	3.03	0.03
381.04	METER CORRECTORS	33.0	H 4.5	0	3.03	3.03	0.00
382.02	METER INSTALLATIONS	45.0	H 3.0	-6	2.36	2.22	0.14
383.00	HOUSE REGULATORS	45.0	H 3.0	0	2.22	2.22	0.00
384.00	HOUSE REGULATORS INSTALLATIONS	45.0	H 3.0	0	2.22	2.22	0.00
385.00	IND. MEAS. & REG. EQUIPMENT	40.0	H 2.5	0	2.50	2.50	0.00
386.00	OTHER PROPERTY ON CUSTOMER PREMISES	18.0	H 1.0	0	5.56	5.56	0.00
<u>GENERAL PLANT</u>							
390.00	STRUCTURES & IMPROVEMENTS - OFFICE	35.0	H 2.0	2	2.80	2.86	-0.06
396.00	POWER OPERATED EQUIPMENT	12.0	H 2.0	0	8.33	8.33	0.00
<u>AMORTIZED PLANT</u>							
365.04	LAND RIGHTS	100.0	SQ	0	1.00	1.00	0.00
367.05	MAINS-CAST IRON	50.0	H 3.0	-38	2.76	2.00	0.76
374.02	RIGHTS OF WAY	100.0	SQ	0	1.00	1.00	0.00
376.05	MAINS-CAST IRON	50.0	H 3.0	-38	2.76	2.00	0.76
390.03	STRUCTURES & IMPROVEMENTS - OTHER	35.0	SQ	-4	2.97	2.86	0.11
391.01	EDP	9.0	SQ	0	11.11	11.11	0.00
391.03	PERSONAL COMPUTERS	5.0	SQ	-3	20.60	20.00	0.60
391.04	OFFICE MACHINES	15.0	SQ	0	6.67	6.67	0.00
391.05	OTHER METRO	20.0	SQ	0	5.00	5.00	0.00
391.07	HANDHELD COMPUTERS	6.0	SQ	0	16.67	16.67	0.00
391.09	OTHER	20.0	SQ	-4	5.20	5.00	0.20
393.00	STORES EQUIPMENT	32.0	SQ	0	3.13	3.13	0.00
394.00	TOOLS EQUIPMENT	32.0	SQ	0	3.13	3.13	0.00
394.02	GARAGE EQUIPMENT	33.0	SQ	0	3.03	3.03	0.00
394.03	CNG GARAGE EQUIPMENT	20.0	SQ	0	5.00	5.00	0.00
394.01	SHOP EQUIPMENT	25.0	SQ	0	4.00	4.00	0.00
395.00	LABORATORY EQUIPMENT	30.0	SQ	0	3.33	3.33	0.00
397.00	COMMUNICATION EQUIPMENT	15.0	SQ	0	6.67	6.67	0.00
397.55	COMMUNICATION EQUIPMENT - ERTS	15.0	SQ	0	6.67	6.67	0.00
398.00	MISCELLANEOUS EQUIPMENT	35.0	SQ	-1	2.89	2.86	0.03

The Brooklyn Union Gas Company d/b/a National Grid NY
Rate Change Levelization Reconciliation
Gas Revenue Requirement Target
For the Rate Years Ending December 31, 2017, December 31, 2018, and December 31, 2019

	Rate Year 1	Rate Year 2	Rate Year 3	Total	
	1/1/2017	1/1/2018	1/1/2019		
Pre-Levelization Information					
1 Delivery Rate Increase	272,090	41,022	48,915		947,229
2 Total Revenues Before Increase	<u>1,298,271</u>				
3 Pre-Shaping Rate Increase %	21.0%				
Rate Change Levelization Calculation					
4 Delivery Revenue Before Rate Relief	755,262	764,040	772,616	base delivery	
5 Rate Relief From Prior Year	-	141,443	312,539.12		
6 Total Revenue Before Current Year Rate Relief	755,262	905,483	1,085,155		
7 Period Levelization Deferral	<u>18.5%</u>	<u>18.5%</u>	<u>18.5%</u>		
8 Delivery Rate Increase - Post Levelization	139,817.68	167,627.25	200,889.06		955,597
9 Total Revenues Before Levelization	<u>1,298,271</u>				
10 Post-Levelization Rate Increase %	10.8%				
Carrying Costs Calculation					
11 Starting Levelization Deferral	0	134,290	144,141		
12 Levelization Deferral	132,272	5,667	(146,307)		
13 Accrued Carrying Costs	<u>2,018</u>	<u>4,184</u>	<u>2,166</u>		
14 Ending Levelization Deferral	134,290	144,141	0		
15 Average Levelization Deferral	66,136	137,124	70,988		
16 Levelization Rate	5.12%	5.12%	5.12%		
17 Tax Rate	<u>40.41%</u>	<u>40.41%</u>	<u>40.41%</u>		
18 Accrued Carrying Costs	2,018	4,184	2,166		8,368
Verification					
19 Pre-Levelization Cumulative Delivery Rate Increase	816,270	82,044	48,915		947,229
20 Post-Levelization Cumulative Delivery Rate Increase	419,453	335,254	200,889		955,597
21 Less: Carrying Costs					<u>(8,368)</u>
22 Total - Cross Check					947,229
					(0)
23 SIR Surcharge	(62,262)	-	-		
24 SIR Surcharge plus Original Levelization	77,556	167,627	200,889		
25 Levelization Adjustment for SIR Surcharge	<u>34,612</u>	<u>(33,149)</u>	<u>(39,727)</u>		
26 Levelization With SIR Adjustment	112,168	134,478	161,162		
27 Increase with SIR	10.27%	18.51%	18.51%		
28 Increase with SIR Adjusted Levelization	14.85%	14.85%	14.85%		
Carrying Costs Calculation					
29 Starting Levelization Deferral	0	(35,140)	(37,698)		
30 Levelization Deferral	(34,612)	(1,463)	38,264		
31 Accrued Carrying Costs	<u>(528)</u>	<u>(1,094)</u>	<u>(566)</u>		
32 Ending Levelization Deferral	(35,140)	(37,698)	(0)		
33 Average Levelization Deferral	(17,306)	(35,872)	(18,566)		
34 Levelization Rate	5.12%	5.12%	5.12%		
35 Tax Rate	<u>40.41%</u>	<u>40.41%</u>	<u>40.41%</u>		
36 Accrued Carrying Costs	(528)	(1,094)	(566)		(2,189)
Verification					
37 Pre-Levelization Cumulative Delivery Rate Increase	-	-	-		-
38 Post-Levelization Cumulative Delivery Rate Increase	103,837	(66,299)	(39,727)		(2,189)
39 Less: Carrying Costs					<u>2,189</u>
40 Total - Cross Check					0

The Brooklyn Union Gas Company d/b/a National Grid NY
Rate Year Four Reconciliations
Gas Revenue Requirement Target
For the Rate Years Ending December 31, 2017, December 31, 2018, and December 31, 2019

Rate Year 4

Company will defer difference between levelized rate increases and calculated revenue requirement.

Levelized Rate Increase	508,334
Revenue Requirement	323,763
Regulatory Liability	184,571
Pro-Rated for 6 months	92,286

Net plant tracker converted to a two way tracker in fourth year. Net plant in the fourth year compared to third year rate allowance capped at current forecast of fourth year plant.

Rate Year 3 Net Plant Forecast included in Revenue Requirement Settlement	4,719,342
Rate Year 4, 6 Months through June 2020 Net Plant Forecast	5,075,171
Net plant increase	355,829
Pre-tax Return %	9.08%
Revenue Requirement Change due to Net Plant	32,307
Revenue Requirement Change due to Net Plant Pro-Rated for 6 months	16,153

Rate Year 3 Depreciation Expense included in Revenue Requirement Settlement	110,075
Rate Year 3 Depreciation Expense Pro-Rated for 6 Months	55,037
Rate Year 4, 6 Months through June 2020 Depreciation Expense Forecast	58,184
Revenue Requirement Change due to Depreciation Expense Pro-Rated for 6 months	3,146

Return on Net Plant and Depreciation Cap	19,300
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Illustrations of Net Plant Tracker for Rate Year 4:

		Net Plant	Depreciation
Forecast included in Revenue Requirement Settlement - Rate Year Three Levels		4,719,342	110,075
Pre-tax Return % Applied	9.08%	428,483	
Rate Year Three Pro-Rated for 6 Months		214,241	55,037
Total Revenue Requirement Target	269,279		

Illustration of Net Plant Tracker with Actuals Higher than CY 20 Forecast

Total Actuals for 6 Months through June 2020		5,100,000	59,000
Pre-tax Return % Applied	9.08%	463,044	
Return Pro-Rated for 6 Months		231,522	
Total Revenue Requirement Actuals for 6 Months through June 2020	290,522		

Actuals higher/(lower) than Target	21,243
Net Plant and Depreciation Regulatory Asset - Limited to Cap	19,300

Illustration of Net Plant Tracker with Actuals Lower than CY 19 Forecast

Total Actuals for 6 Months through June 2020		4,700,000	55,000
Pre-tax Return % Applied	9.08%	426,727	
Return Pro-Rated for 6 Months		213,363	
Total Revenue Requirement Actuals for 6 Months through June 2020	268,363		

Actuals higher/(lower) than Target	(915)
Net Plant and Depreciation Regulatory Liability	(915)

The Brooklyn Union Gas Company d/b/a National Grid NY
Monthly Balances of Gas Net Utility Plant
For the 6 Months Ending June 30, 2020

		(\$000's)					
Balance at Month End		Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Depreciation (e)	
1	Dec-19 (1/2 month)	\$ 3,074,820	\$ 34,684	\$ (621,097)	\$ 2,488,407		
2	Jan-20	\$ 6,176,346	\$ 72,876	(1,242,925)	\$ 5,006,298	\$ 9,582	
3	Feb-20	\$ 6,205,587	\$ 73,891	(1,244,027)	\$ 5,035,451	\$ 9,624	
4	Mar-20	\$ 6,238,234	\$ 79,927	(1,242,111)	\$ 5,076,050	\$ 9,669	
5	Apr-20	\$ 6,272,347	\$ 79,694	(1,242,810)	\$ 5,109,231	\$ 9,719	
6	May-20	\$ 6,312,493	\$ 77,584	(1,242,646)	\$ 5,147,431	\$ 9,772	
7	Jun-20 (1/2 month)	\$ 3,175,762	\$ 38,219	(621,227)	\$ 2,592,754	\$ 9,834	
14	Total Gas (Sum of Lines 1 to 7)	37,455,589	456,875	(7,456,843)	30,455,621	58,200	
15	Average Monthly Balance (Line 14 / 6)	\$ 6,242,598	\$ 76,146	\$(1,242,807)	\$ 5,075,937		
16	Adjustment to reflect NYC Commission of Finance charges (fines and violations) adj - Pro-rated for 6 months				(766)	(16)	
17	Adjusted Average Monthly Balance (Line 15 + 16)				\$ 5,075,171	\$ 58,184	

The Brooklyn Union Gas Company d/b/a National Grid NY
Illustrative example of Make Whole Provision applicable to Residential Heating

	(a) Current Rate per Therm	(b) Proposed Rate per Therm	(c) Change	(d) January 2017 Sales - (Therms)	(e) Lost Revenue	(f) 2017 Sales - (Therms)	(g) Feb-Dec. 2017 Sales - (Therms)	(h) Surcharge be added to Feb-Dec. 2017 rates	(i) Revised Feb-Dec 2017 Rates
Block 2	\$ 0.56440	\$ 0.78460	\$ 0.22020	27,648,198	\$ 6,088,133	257,760,790	230,112,592.00	\$ 0.0265	\$ 0.8111
Block 3	\$ 0.20000	\$ 0.27800	\$ 0.07800	108,726,319	\$ 8,480,653	486,046,230	377,319,911.00	\$ 0.0225	\$ 0.3005
SIR Surcharge	\$ 0.04780	\$ -	\$ (0.04780)	138,204,170	\$ (6,606,159)	765,603,710	627,399,540.00	\$ (0.0105)	\$ (0.0105)
				# Bills		# Bills			
Billing & Payment Processing	\$ 0.76	\$ 0.98	\$ 0.22	606,507	\$ 133,432	7,306,848	6,700,341	\$ 0.02	\$ 1.00

NOTES:

- (1) Above is illustrative for Residential Heating customers. Same methodology will apply to all classes with a delivery and/or SIR per therm rate change.
- (2) The revenue variance associated with the delay for the credit and collections, supply procurement and storage components of the MFC will flow through their annual reconciliations.
- (3) The revenue variance associated with the delay in the bad debt rate will flow through the credit and collections annual reconciliation.
- (4) The revenue variance associated with the delay in the working capital rate will flow through the supply procurement annual reconciliation.
- (5) The revenue variance associated with the delay in the LAUF percentage will flow through the annual GAC and TAC reconciliations.
- (6) The revenue variance associated with the POR will be reconciled through the Statement of Seller Charges and Adjustments.

KEDNY
Capital Investment Plan
\$000

Classification	Category	Historic Test Year	CY'17 Capital Plan	CY'18 Capital Plan	CY'19 Capital Plan	CY'20 Capital Plan	
Growth	Base Growth - Install Main	\$ 21,853	\$ 46,083	\$ 46,885	\$ 46,676	\$ 47,665	
	Base Growth - Install Services	\$ 22,401	\$ 23,106	\$ 22,279	\$ 22,165	\$ 22,078	
	Base Growth - Customer Contributions	\$ (2,438)	\$ (4,895)	\$ (3,298)	\$ (2,500)	\$ (2,500)	
	Base Growth - Install Meter/Regulator	\$ 2,338	\$ 1,108	\$ 1,120	\$ 1,120	\$ 1,120	
	Base Growth- Meter Purchases	\$ 1,455	\$ 2,027	\$ 2,138	\$ 2,244	\$ 2,356	
	Gas System Reinforcemen	\$ 35,794	\$ 65,752	\$ 66,440	\$ 62,239	\$ 59,094	
	Total Growth	\$ 81,403	\$ 133,180	\$ 135,564	\$ 131,944	\$ 129,813	
Mandated	CSC/Public Works - Non Reimbursable	\$ 111,953	\$ 112,528	\$ 115,985	\$ 118,305	\$ 120,671	
	CSC/Public Works - Reimbursable	\$ 70,122	\$ 84,488	\$ 86,985	\$ 88,724	\$ 90,499	
	CSC/Public Works Reimbursements	\$ (5,678)	\$ (16,117)	\$ (17,158)	\$ (17,158)	\$ (17,158)	
	LaGuardia Redevelopment	\$ -	\$ 15,588	\$ 7,704	\$ 1,050	\$ 63	
	Flatlands	\$ 9,309	\$ -	\$ -	\$ -	\$ -	
	Atmospheric Corrosion Inside Inspection	\$ 18	\$ 507	\$ 519	\$ 530	\$ 540	
	Service Replacements - Proactive	\$ 680	\$ 1,696	\$ 1,700	\$ 1,700	\$ 1,797	
	Main Replacements - (Proactive) - Leak Prone Pipe	\$ 52,572	\$ 92,696	\$ 114,650	\$ 135,231	\$ 135,231	
	Cross Bore Remediation	\$ -	\$ 477	\$ 510	\$ 510	\$ 510	
	Latent Damage	\$ -	\$ 700	\$ 812	\$ 828	\$ 845	
	Large Diameter CI System Sealing/Lining Program	\$ -	\$ 14,340	\$ 19,282	\$ 19,682	\$ 20,012	
	Corrosion	\$ 184	\$ 857	\$ 881	\$ 898	\$ 916	
	Service Replacement (Reactive) - Leak	\$ 5,850	\$ 5,786	\$ 6,011	\$ 6,131	\$ 6,254	
	Service Replacement (Reactive) - Non-Leaks - Othe	\$ 6,113	\$ 5,173	\$ 5,337	\$ 5,445	\$ 5,553	
	Main Replacements - (Reactive) - Maintenance	\$ 3,517	\$ 2,521	\$ 2,591	\$ 2,643	\$ 2,696	
	Plastic Fusions - New	\$ -	\$ 2,103	\$ 2,355	\$ 2,582	\$ 2,819	
	Pipeline Integrity - IMP	\$ 6,072	\$ 16,593	\$ 6,873	\$ 4,226	\$ 10,727	
	Pipeline Integrity - IVF	\$ -	\$ 1,829	\$ 2,000	\$ 2,000	\$ 2,000	
	Local Law 30	\$ 7,317	\$ 9,714	\$ 12,777	\$ 16,702	\$ -	
	Purchase Meters (Replacements)	\$ 2,277	\$ 3,719	\$ 3,923	\$ 4,119	\$ 4,325	
	Meter Changes	\$ 2,613	\$ 1,785	\$ 1,847	\$ 1,884	\$ 1,921	
	Misc Mandated Work	\$ 289	\$ -	\$ -	\$ -	\$ -	
	Total Mandated	\$ 273,208	\$ 356,985	\$ 375,584	\$ 396,033	\$ 390,221	
	Reliability	Gas System Control	\$ -	\$ 113	\$ 117	\$ 189	\$ 764
		Gas System Control - M2M Upgrade	\$ -	\$ 292	\$ -	\$ 1,160	\$ 1,300
		Gas System Reliability - Gas Planning /RCV Program	\$ 3,032	\$ 557	\$ 2,815	\$ 2,098	\$ 5,574
		Valve Installations / Replacements	\$ -	\$ 141	\$ 142	\$ 142	\$ 145
		Pressure Regulating Facilities	\$ 4,226	\$ 4,928	\$ 5,742	\$ 5,571	\$ 5,414
		Heater Installation Program	\$ -	\$ -	\$ -	\$ -	\$ -
		Canarsie Gate - Repair Penetrations	\$ 752	\$ 76	\$ -	\$ -	\$ -
		Citizens Gate - Bulkhead	\$ 69	\$ 3,376	\$ 4,300	\$ 1,075	\$ -
		Coney Island Heater	\$ 2,124	\$ 30	\$ -	\$ -	\$ -
		Teteo Relief Valve Retirement	\$ -	\$ 1,107	\$ 525	\$ -	\$ -
Varick Reg Station Retirement		\$ -	\$ 717	\$ 1,000	\$ 283	\$ -	
Bay Ridge Retirement		\$ -	\$ 91	\$ -	\$ -	\$ -	
Bowery Bay Station Upgrade		\$ -	\$ 1,147	\$ 453	\$ -	\$ -	
McGuinness Mini Gate		\$ -	\$ -	\$ 1,183	\$ 468	\$ -	
Kings Plaza Mini Gate		\$ -	\$ -	\$ -	\$ 1,218	\$ 482	
Maspeth Decommissioning		\$ 1,268	\$ 61	\$ -	\$ -	\$ -	
System Automator		\$ 630	\$ 1,340	\$ 1,367	\$ 1,394	\$ 1,422	
Control Line Integrity Program		\$ -	\$ 270	\$ 390	\$ 100	\$ -	
Water Intrusion		\$ 1	\$ 147	\$ 150	\$ 153	\$ 156	
Storm Hardening - Remote Service Shutoff Valve		\$ -	\$ 3,518	\$ 4,758	\$ 4,848	\$ 4,945	
I&R - Reactive/CNG		\$ 168	\$ 1,626	\$ 1,667	\$ 1,697	\$ 1,728	
LNG - Blanket		\$ 2,208	\$ 2,402	\$ 2,350	\$ 1,840	\$ 1,706	
LNG - Special Projects		\$ 776	\$ 12,585	\$ 11,728	\$ 13,366	\$ 11,797	
LNG - Tank 2 Upgrade		\$ -	\$ -	\$ -	\$ -	\$ -	
LNG - Salt Water Pump House Upgrade		\$ -	\$ 3,250	\$ 9,750	\$ 5,875	\$ 750	
Paerdegat Basin I/L		\$ (2,517)	\$ -	\$ -	\$ -	\$ -	
Verrazano Narrows Upgrade		\$ 2,054	\$ -	\$ -	\$ -	\$ -	
Bklyn Queens Interconnect Phase		\$ 3,907	\$ -	\$ -	\$ -	\$ -	
Bklyn Queens Interconnect Phase I		\$ 16,592	\$ -	\$ -	\$ -	\$ -	
Bklyn Queens Interconnect Phase II		\$ 193	\$ -	\$ -	\$ -	\$ -	
Northern Queens Gas T&D		\$ 57,737	\$ -	\$ -	\$ -	\$ -	
MRI- Metropolitan Reliability Infrastructure		\$ 526	\$ 46,819	\$ 61,692	\$ 56,721	\$ 54,050	
Newtown Creek		\$ 5,457	\$ -	\$ -	\$ -	\$ -	
Spring Creek Reconfigurator		\$ -	\$ 5,416	\$ 10,937	\$ 2,159	\$ -	
Spring Creek - Repair Penetrations		\$ -	\$ -	\$ -	\$ -	\$ -	
Citizens Tunnel - Upgrade		\$ -	\$ -	\$ -	\$ -	\$ -	
Misc Reliability Work		\$ (39)	\$ -	\$ -	\$ -	\$ -	
Total Reliability		\$ 99,164	\$ 90,007	\$ 121,065	\$ 100,355	\$ 90,232	
Non-Infrastructure		AMR Installation	\$ -	\$ 7,738	\$ 8,561	\$ 7,987	\$ 4,850
		AMR Replacement	\$ 4,042	\$ 5,070	\$ 5,171	\$ 5,274	\$ 5,380
		Tools & Equipment - All	\$ 3,060	\$ 3,432	\$ 3,796	\$ 4,138	\$ 4,510
		Telecomm	\$ -	\$ 107	\$ 108	\$ 107	\$ 108
		Combustible Gas Indicators	\$ 1,986	\$ -	\$ -	\$ -	\$ -
		Total Non-Infrastructure	\$ 9,088	\$ 16,346	\$ 17,636	\$ 17,507	\$ 14,848
		Misc	\$ (853)	\$ -	\$ -	\$ -	\$ -
		Total Misc	\$ (853)	\$ -	\$ -	\$ -	\$ -
		Total Direct Gas (Capital & COR)	\$ 462,010	\$ 596,518	\$ 649,849	\$ 645,839	\$ 625,113
		Cost of Removal	\$ 21,064	\$ 38,977	\$ 41,116	\$ 41,484	\$ 39,092
Total Direct Gas (Net of COR)		\$ 440,946	\$ 557,541	\$ 608,733	\$ 604,355	\$ 586,022	
Indirect Capital		Facilities	\$ 6,047	\$ 2,400	\$ 2,480	\$ 2,560	\$ 2,560
	Customer - Gas REV Pilots	\$ -	\$ 790	\$ -	\$ -	\$ -	
	Other	\$ 665	\$ -	\$ -	\$ -	\$ -	
	COR - Facilities	\$ -	\$ 600	\$ 620	\$ 640	\$ 640	
	Total Facilities/ Customer	\$ 6,712	\$ 3,790	\$ 3,100	\$ 3,200	\$ 3,200	
Fleet/IM/IR (Capex only)	Fleet	\$ 59	\$ 2,500	\$ 400	\$ 350	\$ 200	
	IM/IR	\$ -	\$ 85	\$ 270	\$ 270	\$ 260	
	Total Fleet/IM/IR	\$ 59	\$ 2,585	\$ 670	\$ 620	\$ 460	
Total Capital/COR	\$ 468,781	\$ 602,892	\$ 653,618	\$ 649,660	\$ 628,773		

APPENDIX 2

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Statement of Operating Income
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Staff Adjustments	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal	Base Revenue Increase Required	Rate Year Ending December 31, 2017 with Base Revenue Requirement
<u>Operating Revenues</u>	\$ 900,176	(1) \$ 284	\$ 900,460	\$ (18,359)	\$ 882,101	\$ 112,002	\$ 994,103
<u>Deductions</u>							
Purchased Gas Costs	250,522	(2) 26,206	276,728	(18,286)	258,442		258,442
Revenue Taxes	9,374	(3) 396	9,770	(143)	9,627	1,222	10,849
Total Deductions	259,896		286,498	(18,429)	268,069	1,222	269,291
Gross Margin	640,280		613,962	70	614,031	110,780	724,811
Total Operation & Maintenance Expenses	279,643	(4) 13,763	293,406	3,131	296,537	1,186	297,723
Amortization of Regulatory Deferrals	40,108	(5) (47,090)	(6,982)	6,982	0		0
Depreciation, Amort. & Loss on Disposition	93,836	(6) (15,103)	78,733	(11,789)	66,943		66,943
Taxes Other Than Revenue & Income Taxes	147,311	(7) (6,284)	141,027	4,385	145,413		145,413
Total Operating Revenue Deductions	560,898		506,184	2,709	508,893	1,186	510,079
<u>Operating Income Before Income Taxes</u>	79,381		107,777	(2,640)	105,139	109,594	214,733
<u>Income Taxes</u>							
Federal Income Taxes	4,127		16,768	1,656	18,424	35,167	53,591
State Income Taxes	438		3,715	431	4,146	9,118	13,264
Total Income Taxes	4,565		20,483	2,087	22,570	44,285	66,855
<u>Operating Income After Income Taxes</u>	74,816		87,294	(4,727)	82,569	65,309	147,878
<u>Rate Base</u>	\$ 2,297,432		\$ 2,292,844	\$ 10,549	2,303,393		\$ 2,303,393
<u>Rate of Return</u>	3.26%		3.81%				6.42%

Note 1: The SIR Amortization Surcharge in the C&U filing as amortization expense was incorrectly stated as \$47,090 million. The correct amount should be \$40,108 million. The amount was presented in operating revenues in the C&U filing was correct. The C&U amortization expense is restated and the revenue and amortization expense adjustments on Schedule 6 were adjusted for the difference of \$6,982 million.

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of O&M Expenses
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal
Operation & Maintenance Expenses:						
Departmental Items:						
Consultants	\$ 7,623	(4k)	0	\$ 7,623	(40)	\$ 7,583
Contractors	28,494		0	28,494	-	28,494
Donations	0		0	0	-	-
Employee Expenses	2,469		0	2,469	-	2,469
Hardware	212		0	212	-	212
Software	2,874		0	2,874	-	2,874
Other	4,948		0	4,948	-	4,948
Rents	3,113		0	3,113	-	3,113
Service Company Rents	15,264	(4a)	(1,309)	13,955	(259)	13,696
Construction Reimbursement	(508)		0	(508)	-	(508)
FAS 106	9,958		0	9,958	-	9,958
FAS 112	174		0	174	-	174
Health Care	11,576		0	11,576	-	11,576
Group Life Insurance	737		0	737	-	737
Other Benefits	93		0	93	-	93
Pensions	17,966		0	17,966	-	17,966
Thrift Plan	1,711		0	1,711	-	1,711
Workers Comp	900		0	900	-	900
Materials Outside Vendor	3,085		0	3,085	-	3,085
Materials From Inventory	2,303		0	2,303	-	2,303
Materials Stores Handling	256		0	256	-	256
Postage	5,355		0	5,355	-	5,355
Total Labor	78,203	(4b)	(60)	78,143	60	78,203
Transportation	3,690	(4c)	(993)	2,697	54	2,751
Energy Efficiency program	11,707	(4d)	1,128	12,835	30	12,865
Injuries and Damages	11,120		0	11,120	-	11,120
Other Initiatives	21,045	(4e)	(1,669)	19,376	2,795	22,171
Productivity Adjustment	(1,834)	(4f)	(1,812)	(3,646)	(1)	(3,647)
Rate Case Expense	369	(4i)	0	369	-	369
Regulatory Assessment Fees	5,307	(4g)	29	5,336	(43)	5,293
Uncollectible Accounts	9,041	(4j)	0	9,041	(244)	8,798
SIR	13,402		0	13,402	-	13,402
Amortization of SIR Deferral	0	(4h)	14,168	14,168	-	14,168
Joint Facilities	5,279		0	5,279	-	5,279
PEX Savings	(1,623)		0	(1,623)	-	(1,623)
Paving	2,416		0	2,416	-	2,416
Legal	773		0	773	-	773
Accounting	764		0	764	-	764
Incentive Programs	1,379	(4i)	(380)	999	-	999
Residential Reduced Rate Program	0	(4j)	4,661	4,661	779	5,440
Sub Total - Departmental	\$ 279,643		\$ 13,763	\$ 293,406	\$ 3,131	\$ 296,537
TOTAL	\$ 279,643		\$ 13,763	\$ 293,406	\$ 3,131	\$ 296,537

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Federal Income Taxes
For the Rate Year Ending December 31, 2017
(Whole Dollars)

	Federal Taxable Income	Adjustments	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 105,138,567	\$	\$ 105,138,567	\$ 36,798,000	\$	\$ 36,798,000
ADDITIONS						
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	19,250	0	19,250	7,000	0	7,000
DEDUCTIONS						
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0
INTEREST	(48,371,000)	0	(48,371,000)	(16,929,850)	0	(16,929,850)
NEW YORK STATE RATE CHANGE (FIT on SIT)	0	0	0	0	203,024	203,024
DIVIDEND PAID CREDIT	0	0	0	0	0	0
NEW YORK STATE INCOME TAXES - CURRENT PROVISION	(4,725,533)	0	(4,725,533)	(1,654,000)	0	(1,654,000)
OTHER STATE INCOME TAXES	0	0	0	0	0	0
COST OF REMOVAL	0	0	0	0	0	0
TAX DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0
AMORTIZATION PASNY CONTRACT	0	0	0	0	0	0
CLASS B CONTRACTS AMORTIZATION	0	0	0	0	0	0
TOTAL FIT EXPENSE	\$ 52,061,284	\$ -	\$ 52,061,284	\$ 18,221,150	\$ 203,024	\$ 18,424,174

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
State Income Taxes
For the Rate Year Ending December 31, 2017
(Whole Dollars)

	State Taxable Income	Adjustments	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 105,138,567	\$	\$ 105,138,567	\$ 8,748,000	\$	\$ 8,748,000
ADDITIONS						
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	19,250	0	19,250	2,000	0	2,000
DEDUCTIONS						
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0
OTHER POST RETIREMENT BENEFIT LIABILITY-MEDICARE PIECE	0	0	0	0	0	0
INTEREST	(48,371,000)	0	(48,371,000)	(4,024,467)	(580,068)	(4,024,467)
NEW YORK STATE RATE CHANGE	0	0	0	0	0	0
GAS CONTINGENCY RESERVE	0	0	0	0	0	0
IBM CUSTOMER SYSTEM SETTLEMENT	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0
TOTAL SIT EXPENSE	\$ 56,786,817	\$ -	\$ 56,786,817	\$ 4,725,533	\$ (580,068)	\$ 4,145,465
						8.32%

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of Rate Base
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing		Staff	Rate Year Ending	Settlement	Rate Year
	Rate Year Ending	Adj. #	Adjustments	December 31, 2017	Adjustments	Joint Proposal
	December 31, 2017			December 31, 2017		
Net Utility Plant	\$ 2,967,562	(8a)1	\$ (8,699)	\$ 2,958,863	\$ 19,064	\$ 2,977,927
Regulatory Assets / Liabilities	4,535		0	4,535	-	4,535
Accumulated Deferred Income Taxes - Federal	(713,040)	(8a)2	2,056	(710,984)	(5,844)	(716,828)
Accumulated Deferred Income Taxes - State	(120,243)	(8a)3	335	(119,908)	(1,118)	(121,026)
Working Capital						
Materials and supplies	72,923		0	72,923	-	72,923
Prepayments	8,818		0	8,818	-	8,818
O&M Cash Allowance (1/8 O&M exp)	32,138	(8b)	1,720	33,858	(2,168)	31,690
Supply Cash Allowance (Sep 09 lead/lag study)	28,269		0	28,269	-	28,269
Change in Supply Cash Allowance (3.64% x RY Gas exp)	(11,717)	(8c)	0	(11,717)	615	(11,102)
subtotal Working Capital	130,431		1,720	132,151	(1,553)	130,598
subtotal avg. before EBCAP adj.	2,269,245		(4,588)	2,264,657	10,549	2,275,206
Excess Earnings Base adjustment	28,187		0	28,187	0	28,187
Total Rate Base	\$ 2,297,432		\$ (4,588)	\$ 2,292,844	\$ 10,549	\$ 2,303,393

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Capital Structure
For the Rate Year Ending December 31, 2017

Settlement Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 1,179,174	51.33%	4.06%	2.09%	2.09%
Customer Deposits	15,490	0.67%	0.85%	0.01%	0.01%
Common Equity	1,102,767	48.00%	9.00%	4.32%	7.25%
Total	\$ 2,297,432	100.00%		6.42%	9.35%

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OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	0.00%	1.05933%	GRT	\$	9,626.79
GRT rate for Rev Req	1.09%		tax	\$	882,100.65
Federal Income Tax rate	35.00%		revenue		1,091,348.3%
NYS Income Tax rate	8.32%	59.5920%			
Historic Year EBCAP	0.00%				
General Inflation (from 09/30/15 to 12/31/17)	3.773197%				

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KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Adjustments for the Rate Year Ending December 31, 2017
(\$000's)

	Staff Direct Amount	Settlement Adjustments Amount	Joint Proposal Amount
Adj. 1 Operating Revenues			
(a) To properly reconcile SIR Surcharge revenues to the amortization expense	\$ (32,922)	\$ 6,982	(25,940)
(b) To transfer amortization of SIR deferral balance to base rates	(14,168)	-	(14,168)
(c) To properly reconcile MFC revenues to the associated expenses	(1,952)	(203)	(2,155)
(d) To reflect the Commission authorizations for the Company's EE tracker surcharges	123	-	123
(e) To reflect the Commission authorizations for the Company's NYSERDA SBC	1,005	-	1,005
(f) To correct Company correction and updates Operating Revenues to reconcile with the Company Rate Design Panel operating revenues	606	-	606
(g) To adjust Joint Facilities revenue to reflect the historic year level increased for inflation	4,299	-	4,299
(h) To reflect the Residential Reduced Rate Program in revenues	3,694	418	4,112
Settlement - Update to residential sales and customer counts	0	5,786	5,786
Settlement - Update to revenue	0	4,625	4,625
(i) To adjust operating revenues to reflect Staff's sales forecast	39,599	(35,967)	3,632
	\$ 284	\$ (18,359)	\$ (18,075)
Adj. 2 Purchased Gas Costs			
(b) Reflect settlement changes to revenue	0	3,392	3,392
(c) Reflect settlement changes to revenue	0	1,987	1,987
(a) To adjust purchased gas costs to reflect Staff's forecast	26,206	(23,665)	2,541
	\$ 26,206	\$ (18,286)	\$ 7,920
Adj. 3 Revenue Taxes			
(b) Reflect settlement changes to revenue		119	119
(a) To adjust revenue taxes to reflect Staff's forecast	396	(262)	134
	\$ 396	\$ (143)	\$ 253
Adj. 4 Operating and Maintenance Expenses			
(a) Service Company Rents			
(1) To reflect the removal of the Customer Choice ESCO Gas project (INV# #3564)	(655)	402	(253)
(2) To reflect removal of bonus depreciation	(468)	(41)	(509)
(3) To reflect Staff service company return allowance of 9.38% which is based on Staff capital structure	(186)	186	-
(4) To reflect capital structure using 9.0% and Operating Co WACC	0	(82)	(82)
(5) To add additional projects excluded from Corrections & Updates filing	0	747	747
(6) To remove additional projects excluded from Corrections & Updates filing	0	(1,471)	(1,471)
	\$ (1,309)	\$ (259)	\$ (1,568)
(b) Total Labor			
To reflect the reduction of management wage increases from 3.2% to 3.0%	(60)	60	-
	\$ (60)	\$ 60	\$ -
(c) Transportation			
(1) To reflect Staff's forecast of transportation lease expenses	(993)	986	(7)
(2) To accept Staff's adjustment for settlement		(932)	(932)
	\$ (993)	\$ 54	\$ (939)
(d) Energy Efficiency program			
(1) To reflect the Commission authorizations for the Company's EE tracker surcharges and NYSERDA SB	1,128	-	1,128
(2) To reflect settlement revenue change		30	30
	\$ 1,128	\$ 30	\$ 1,158
(e) Other Initiatives			
(1) To remove 3.5 FTEs compliance analysts	(385)	158	(227)
(2) To remove 1 gas estimator and adjust allocation of gas estimator manager	(9)	-	(9)
(3) To adjust salaries on select engineering titles	(1,177)	603	(574)
(4) To remove 0.8 I&R tech FTE	(104)	-	(104)
(5) To adjust productivity adjustment from 1.0% to 2.0% for incremental employees	6	(30)	(24)
(6) D&R costs associated with LPP	0	644	644
(7) To add Geothermal program	0	350	350
(8) To add NGV program	0	475	475
(9) To adjust Energy Efficiency Labor - underspent in HT	0	595	595
	\$ (1,669)	\$ 2,795	\$ 1,126
(f) Productivity Adjustment			
(1) Tracking adjustment for management wage increase reduction from 3.2% to 3.0%	1	(1)	(0)
(2) To adjust productivity adjustment from 1.0% to 2.0%	(1,813)	-	(1,813)
	\$ (1,812)	\$ (1)	\$ (1,813)
(g) Regulatory Assessment Fees			
(1) To reflect the latest assessment as of February 2014	29	4	33
(2) To reflect settlement revenue change		(47)	(47)
	\$ 29	\$ (43)	\$ (14)
(h) Amortization of SIR Deferral			
To include amortization of SIR deferral in base rate	14,168	-	14,168
	\$ 14,168	\$ -	\$ 14,168
(i) Incentive Programs			
To remove costs related to the Smart Thermostat Initiative	(380)	-	(380)
	\$ (380)	\$ -	\$ (380)
(j) Residential Reduced Rate Program			
To reflect the residential reduced rate program expenses in the rate year	4,661	779	5,440
	\$ 4,661	\$ 779	\$ 5,440
(j) Uncollectible Accounts			
(1) To reflect settlement revenue change	0	51	51
(2) To reflect change in revenue forecast	0	(295)	(295)
	\$ -	\$ (244)	\$ (244)
(k) Consultants			
To adjust Lobbying expenses per IR DPS-403	0	(40)	(40)
	\$ -	\$ (40)	\$ (40)
Total Operating & Maintenance Expense Adjustments	\$ 13,763	\$ 3,131	\$ 16,894

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Adjustments for the Rate Year Ending December 31, 2017
(\$000's)

	Staff Direct Amount	Settlement Adjustments Amount	Joint Proposal Amount
Adj. 5 Amortization of Regulatory Deferrals			
(a) To properly reflect the Company's proposal for rate year amortization of SIR deferral	(32,922)	6,982	(25,940)
(b) To reflect the amortization of SIR deferral as an O&M expense iter	<u>(14,168)</u> \$ (47,090)	- \$ 6,982	<u>(14,168)</u> \$ (40,108)
Adj. 6 Depreciation Expense			
(a) To adjust depreciation expense to reflect Staff's depreciation rate	<u>(15,103)</u> \$ (15,103)	145	(14,958)
(b) To reflect additional depreciation in Settlement 3	0	(11,918)	(11,918)
(c) Reflect LPP mileage and settlement		<u>(17)</u> \$ (11,789)	<u>(17)</u> \$ (26,892)
Adj. 7 Taxes Other Than Revenue & Income Taxes			
(a) Real Estate Taxes			
To adjust KEDLI's growth factor to reflect a three-year average	<u>(6,281)</u> \$ (6,281)	4,382 \$ 4,382	<u>(1,899)</u> \$ (1,899)
(b) Payroll Taxes			
Tracking adjustment for management wage increase reduction from 3.2% to 3.0%	<u>(3)</u> \$ (3)	3 \$ 3	- \$ -
Total Taxes Other Than Revenue & Income Taxes	<u>\$ (6,284)</u>	<u>\$ 4,385</u>	<u>\$ (1,899)</u>
Adj. 8 Rate Base			
(a) Net Utility Plant			
(1) To reflect Staff's forecast of plant additions	(8,699)	16,117	7,418
To reflect impact of depreciation in Settlement 3	-	5,411	5,411
to reflect LPP and settlement reduced capex changes	<u>-</u> \$ (8,699)	<u>(2,464)</u> \$ 19,064	<u>(2,464)</u> \$ 10,365
Accumulated Deferred Income Taxes			
(2) To adjust ADFIT tracking OEGW's plant in service adjustments at a rate of 25.58% per Company, allocated between ADFIT and ADSIT	<u>2,056</u>	<u>(5,844)</u>	<u>(3,788)</u>
(3) To adjust ADSIT tracking OEGW's plant in service adjustments at a rate of 25.58% per Company, allocated between ADFIT and ADSIT	<u>335</u> \$ 2,391	<u>(1,118)</u> \$ (6,962)	<u>(783)</u> \$ (4,571)
(b) Working Capital			
To adjust working capital to reflect Staff's O&M adjustments	<u>1,720</u> \$ 1,720	<u>(2,168)</u> \$ (2,168)	<u>(448)</u> \$ (448)
(c) Change in Supply Cash All			
To reflect settlement revenue change	0	155	155
To flow through change in commodity costs - settlement	<u>0</u> \$ -	<u>460</u> \$ 615	<u>460</u> \$ 615
Total Rate Base Adjustments	<u>\$ (4,588)</u>	<u>\$ 10,549</u>	<u>\$ 5,961</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Taxes Other Than Income Taxes
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing		Adj. #	Staff Adjustments	Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
	Rate Year Ending December 31, 2017	Rate Year As Adjusted By Staff					
Taxes Other Than Revenue and Income Taxes							
Real Estate Taxes							
Real Property	\$ 141,690	\$ 135,409	(7a)	\$ (6,281)	\$ 4,382	\$ 139,792	
Special Franchise	0	0		0	-	-	
Total Real Estate Taxes	<u>141,690</u>	<u>135,409</u>		<u>(6,281)</u>	<u>4,382</u>	<u>139,792</u>	
Payroll Taxes	5,531	5,528	(7b)	(3)	3	5,531	
Other	90	90		0	-	90	
Total Taxes Other Than Revenue and Income Taxes	<u>\$ 147,311</u>	<u>\$ 141,027</u>		<u>\$ (6,284)</u>	<u>\$ 4,385</u>	<u>\$ 145,413</u>	

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of Depreciation and Amortization Expense
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Adj. #	Staff Adjustments	Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
Depreciation Expense (acct 403)	\$ 93,836	(6)	\$ (15,103)	\$ 78,733	\$ (11,789)	\$ 66,943
Amortization Expense (acct 404-405)	0		0	0	0	0
Accretion Expense (acct 411.10)	0		0	0	0	0
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	0		0	0	0	0
Total Depreciation & Amortization Expense	<u>\$ 93,836</u>		<u>\$ (15,103)</u>	<u>\$ 78,733</u>	<u>\$ (11,789)</u>	<u>\$ 66,943</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Tax Deduction for Interest Expense
For the Rate Year Ending December 31, 2017
(\$000's)

	C&U Filing Rate Year Ending December 31, 2017	Staff Adjustments	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal
Avg Rate Base Per Books	\$ 2,269,245	\$ (4,588)	\$ 2,264,657	\$ 10,549	\$ 2,275,206
Plus: Forecast of Avg Interest Bearing CWIP	0	0	0	0	0
Less: Rate Base moved to GAC	0	0	0	0	0
Less: Excess Earnings Adj (EBCAP)	(28,187)	0	(28,187)	0	(28,187)
Rate Base	<u>2,297,433</u>	<u>(4,588)</u>	<u>2,292,844</u>	<u>10,549</u>	<u>2,303,393</u>
Weighted Cost of LTD Debt	2.09%	0.35%	2.44%	-0.35%	2.09%
Weighted Cost of Cust Deposits	0.01%	0.00%	0.01%	0.00%	0.01%
subtotal weighted cost of debt	<u>2.10%</u>	<u>0.35%</u>	<u>2.45%</u>	<u>-0.35%</u>	<u>2.1000%</u>
Total Income Tax Interest Deduction	<u>\$ 48,246</u>	<u>\$ 7,929</u>	<u>\$ 56,175</u>	<u>\$ (7,804)</u>	<u>\$ 48,371</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Working Capital - Cash Allowance
For the Rate Year Ending December 31, 2017
(\$000's)

Description	C&U Filing Rate Year Ending December 31, 2017	Staff Adjustments	As Adjusted by Staff Rate Year Ending December 31, 2017	Settlement Adjustments	Rate Year Joint Proposal
Total O&M Expense	\$ 279,643	\$ 13,763	\$ 293,406	\$ 3,131	\$ 296,537
Remove major non-cash items included O&M expense :					
Bad Debt expense	(9,042)	0	(9,042)	244	(8,798)
Other (Energy Efficiency, 18-a Assessment, Residential Reduced Rate Program, and Amortization SIR Deferral)	(13,502)	0	(13,502)	(20,719)	(34,221)
Subtotal	(22,544)	0	(22,544)	(20,475)	(43,019)
Add major cash items not included in O&M expense:					
Other	0	0	0	0	0
Subtotal	0	0	0	0	0
Total Adjustments	(22,544)	0	(22,544)	(20,475)	(43,019)
Adjusted O&M Expense	\$ 257,099	\$ 13,763	\$ 270,862	\$ (17,344)	\$ 253,518
Departmental Cash Allowance - 1/8 (45 days)	32,137	1,720	33,858	(2,168)	31,690
Supply Cost Cash Allowance (3.64% x HY Gas exp)	0	0	0	0	0

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending December 31, 2017
(\$000's)

	TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A) AVERAGE RATE BASE - PER BOOKS	\$ 1,991,881	0	\$ 1,991,881	0	\$ 1,991,881
(B) ADD: Average interest-bearing CWIP	57,624	0	57,624	0	57,624
(C) TOTAL EARNINGS BASE (A+B)	<u>2,049,505</u>	<u>0</u>	<u>2,049,505</u>	<u>0</u>	<u>2,049,505</u>
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
Long Term Debt	883,084		883,084		883,084
Notes Payable	0		0		0
Gas Supplier Refunds	0		0		0
Customer Deposits	8,102		8,102		8,102
Preferred Stock	0		0		0
Common Equity (excludes merger GW; incl TCI adj)	<u>729,152</u> ¹		<u>729,152</u>		<u>729,152</u>
Avg. Allocated to Elec / Gas based on Earnings Base	1,620,338		1,620,338		1,620,338
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(F) SUBTOTAL (D+E)	<u>1,620,338</u>		<u>1,620,338</u>		<u>1,620,338</u>
LESS Average Investments in:					
Detailed balance sheet accounts	(524,091)	0	(524,091)	0	(524,091)
Accumulated Def Inc Tax Adjustment	38,467	0	38,467	0	38,467
Goodwill	n/a				
(G) Total Deductions	<u>(485,624)</u>		<u>(485,624)</u>		<u>(485,624)</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>2,105,962</u>		<u>2,105,962</u>		<u>2,105,962</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	<u>\$ (56,457)</u>		<u>\$ (56,457)</u>		<u>\$ (56,457)</u>

¹ Goodwill related to the NM merger with National Grid is excluded from the equity component of capitalization, pursuant to section 6.1 of the approved Stipulation Agreement.

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Statement of Operating Income
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adjustments	Joint Proposal Rate Year Ending December 31, 2018	Base Revenue Increase Required	Rate Year Ending December 31, 2018 with Base Revenue Requirement
<u>Operating Revenues</u>	\$ 994,103	(1) \$ 23,655	\$ 1,017,757	\$ 19,594	\$ 1,037,351
<u>Deductions</u>					
Purchased Gas Costs	258,442	(2) 16,298	274,741		274,741
Revenue Taxes	10,849	(3) 195	11,044	214	11,258
Total Deductions	269,291	16,493	285,785	214	285,999
Gross Margin	724,811	7,161	731,973	19,380	751,353
Total Operation & Maintenance Expenses	297,723	(4) (4,591)	293,132	208	293,340
Amortization of Regulatory Deferrals	0	(5) 0	0		0
Depreciation, Amort. & Loss on Disposition	66,943	(6) 4,452	71,395		71,395
Taxes Other Than Revenue & Income Taxes	145,413	(7) 9,052	154,465		154,465
Total Operating Revenue Deductions	510,080	8,913	518,992	208	519,200
Operating Income Before Income Taxes	214,732	(1,752)	212,981	19,172	232,153
<u>Income Taxes</u>					
Federal Income Taxes	53,591	(1,818)	51,773	6,152	57,925
State Income Taxes	13,264	(472)	12,792	1,595	14,387
Total Income Taxes	66,855	(2,290)	64,565	7,747	72,312
Operating Income After Income Taxes	\$ 147,877	\$ 538	\$ 148,416	\$ 11,425	\$ 159,841
Rate Base	\$ 2,303,394	\$ 186,337	\$ 2,489,730		\$ 2,489,730
Rate of Return	6.42%				6.42%

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of O&M Expenses
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adj. #	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Operation & Maintenance Expenses:				
Departmental Items:				
		#		
Consultants	\$ 7,583	4a	159	\$ 7,743
Contractors	28,494	4a	598	29,093
Donations	0		-	-
Employee Expenses	2,469	4a	52	2,521
Hardware	212	4a	4	216
Software	2,874	4a	60	2,935
Other	4,948	4a	104	5,052
Rents	3,113	4a	87	3,200
Service Company Rents	13,696	4b	2,179	15,875
Construction Reimbursement	(508)	4a	(11)	(518)
FAS 106	9,958	4c	(1,195)	8,763
FAS 112	174	4a	4	178
Health Care	11,576	4a	243	11,819
Group Life Insurance	737	4a	15	752
Other Benefits	93	4a	2	95
Pensions	17,966	4d	(3,666)	14,300
Thrift Plan	1,711	4a	36	1,747
Workers Comp	900	4a	19	919
Materials Outside Vendor	3,085	4a	65	3,149
Materials From Inventory	2,303	4a	48	2,351
Materials Stores Handling	256	4a	5	261
Postage	5,355	4a	112	5,468
Total Labor	78,203	4e	2,294	80,497
Transportation	2,751	4f	29	2,780
Energy Efficiency program	12,865	4g	(460)	12,405
Injuries and Damages	11,120	4a	234	11,354
Other Initiatives	22,171	4h	2,894	25,065
Productivity Adjustment	(3,647)	4i	(1,307)	(4,954)
Rate Case Expense	369		(0)	369
Regulatory Assessment Fees	5,293	4j	(1,674)	3,619
Uncollectible Accounts	8,798	4k	251	9,049
SIR	13,402	4l	(5,960)	7,442
Amortization of SIR Deferral	14,168		-	14,168
Joint Facilities	5,279	4a	111	5,390
PEX Savings	(1,623)	4a	(34)	(1,657)
Paving	2,416	4a	51	2,466
Legal	773	4a	16	790
Accounting	764	4a	16	780
Incentive Programs	999	4a	1	1,000
Residential Reduced Rate Program	5,440	4m	1,212	6,652
Sub Total - Departmental	\$ 296,537		\$ (3,405)	\$ 293,132
TOTAL	\$ 296,537		\$ (3,405)	\$ 293,132
Inflation Factor	2.10%			

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Federal Income Taxes
For the Rate Year Ending December 31, 2018
(Whole Dollars)

	Federal Taxable Income	Adjustments	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 212,980,997	\$	212,980,997	\$ 74,543,000		\$ 74,543,000
ADDITIONS						
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	19,250	0	19,250	7,000	0	7,000
DEDUCTIONS						
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0
INTEREST	(52,284,000)	0	(52,284,000)	(18,299,400)	0	(18,299,400)
NEW YORK STATE RATE CHANGE (FIT on SIT)	0	0	0	0	203,024	203,024
DIVIDEND PAID CREDIT	0	0	0	0	0	0
NEW YORK STATE INCOME TAXES - CURRENT PROVISION	(13,371,971)	0	(13,371,971)	(4,680,000)	0	(4,680,000)
OTHER STATE INCOME TAXES	0	0	0	0	0	0
COST OF REMOVAL	0	0	0	0	0	0
TAX DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0
AMORTIZATION PASNY CONTRACT	0	0	0	0	0	0
CLASS B CONTRACTS AMORTIZATION	0	0	0	0	0	0
TOTAL FIT EXPENSE	0	0	0	0	0	0
	\$ 147,344,276	\$ -	\$ 147,344,276	\$ 51,570,600	\$ 203,024	\$ 51,773,624

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
State Income Taxes
For the Rate Year Ending December 31, 2017
(Whole Dollars)

	State Taxable Income	Adjustments	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 212,980,997	\$	212,980,997	\$ 17,720,000		\$ 17,720,000
ADDITIONS						
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	19,250	0	19,250	2,000	0	2,000
DEDUCTIONS						
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0
OTHER POST RETIREMENT BENEFIT LIABILITY-MEDICARE PIECE	0	0	0	0	0	0
INTEREST	(52,284,000)	0	(52,284,000)	(4,350,029)	(580,068)	(4,350,029)
NEW YORK STATE RATE CHANGE	0	0	0	0	0	0
GAS CONTINGENCY RESERVE	0	0	0	0	0	0
IBM CUSTOMER SYSTEM SETTLEMENT	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0
TOTAL SIT EXPENSE	0	0	0	0	0	0
	\$ 160,716,247	\$ -	\$ 160,716,247	\$ 13,371,971	\$ (580,068)	\$ 12,791,903
						8.32%

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of Rate Base
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Net Utility Plant	\$ 2,977,927	\$ 268,628	\$ 3,246,554
Regulatory Assets / Liabilities	4,535	(521)	4,014
Accumulated Deferred Income Taxes - Federal	(716,828)	(70,665)	(787,492)
Accumulated Deferred Income Taxes - State	(121,026)	(13,751)	(134,778)
Working Capital			
Materials and supplies	72,923	1,531	74,454
Prepayments	8,818	185	9,003
O&M Cash Allowance (1/8 O&M exp)	31,690	(333)	31,357
Supply Cash Allowance (Sep 09 lead/lag study)	28,269	-	28,269
Change in Supply Cash Allowance (3.64% x RY Gas exp)	(11,102)	1,264	(9,839)
subtotal Working Capital	<u>130,598</u>	<u>2,647</u>	<u>133,244</u>
subtotal avg. before EBCAP adj.	<u>2,275,206</u>	<u>186,337</u>	<u>2,461,542</u>
Excess Earnings Base adjustment	<u>28,187</u>	<u>0</u>	<u>28,187</u>
Total Rate Base	<u>\$ 2,303,394</u>	<u>\$ 186,337</u>	<u>\$ 2,489,730</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Capital Structure
For the Rate Year Ending December 31, 2018

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 1,179,823	51.35%	4.06%	2.09%	2.09%
Customer Deposits	14,842	0.65%	0.85%	0.01%	0.01%
Common Equity	1,102,767	48.00%	9.00%	4.32%	7.25%
Total	\$ 2,297,432	100.00%		6.42%	9.35%

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	0.00%	1.05933%		GRT	\$ 11,044
GRT rate for Rev Req	1.09%			tax	\$ 1,017,757
Federal Income Tax rate	35.00%			revenue	1.09%
NYS Income Tax rate	8.32%	59.5920%			
Historic Year EBCAP	0.00%				
General Inflation (from 12/31/17 to 12/31/18)	2.10%				

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Adjustments for the Rate Year Ending December 31, 2018
(\$000's)

		<u>Adjustments</u>		<u>Amount</u>	
<u>Adj. 1</u>	<u>Operating Revenues</u>				
(a)	To reflect CY18 sales forecast	23,655	\$ 23,655	23,655	\$ 23,655
<u>Adj. 2</u>	<u>Purchased Gas Costs</u>				
(a)	To reflect CY18 forecast	16,298	\$ 16,298	16,298	\$ 16,298
<u>Adj. 3</u>	<u>Revenue Taxes</u>				
(a)	To reflect change in revenue taxes on adjustment 1.a.	195	\$ 195	195	\$ 195
<u>Adj. 4</u>	<u>Operating and Maintenance Expenses</u>				
(a)	<u>Various Expenses</u> To reflect increase in expense due to inflation	1,999	\$ 1,999	1,999	\$ 1,999
(b)	<u>Service Company Rents</u> (1) to remove 50% additional projects - per settlement (2) To reflect CY18 forecast	(702) 2,881	\$ 2,179	(702) 2,881	\$ 2,179
(c)	<u>FAS 106</u> To reflect forecast per actuarial report	(1,195)	\$ (1,195)	(1,195)	\$ (1,195)
(d)	<u>Pensions</u> To reflect forecast per actuarial report	(3,666)	\$ (3,666)	(3,666)	\$ (3,666)
(e)	<u>Labor Expense</u> To reflect increase in salaries and wages by labor inflation factor	2,294	\$ 2,294	2,294	\$ 2,294
(f)	<u>Transportation Expense</u> To reflect specific CY18 forecast and general inflation	29	\$ 29	29	\$ 29
(g)	<u>Energy Efficiency</u> To reflect CY18 forecast	(460)	\$ (460)	(460)	\$ (460)
(h)	<u>Other Initiatives</u> To reflect CY 18 forecast and general and labor inflation	2,894	\$ 2,894	2,894	\$ 2,894
(i)	<u>Productivity</u> Flow through adjustment related to labor adjustment (1.5%)	(1,307)	\$ (1,307)	(1,307)	\$ (1,307)
(j)	<u>Regulatory Assessment Fee</u> To reflect CY18 forecast	(1,674)	\$ (1,674)	(1,674)	\$ (1,674)
(k)	<u>Uncollectible Accounts</u> To reflect increase associated with change in revenues	251	\$ 251	251	\$ 251
(l)	<u>Site Investigation & Remediation</u> To reflect CY 18 forecast	(5,960)	\$ (5,960)	(5,960)	\$ (5,960)
(m)	<u>Residential Reduced Rate Program</u> To reflect CY18 forecast	1,212	\$ 1,212	1,212	\$ 1,212
Total Operating & Maintenance Expense Adjustments			\$ (3,405)		\$ (3,405)

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Adjustments for the Rate Year Ending December 31, 2018
(\$000's)

	<u>Adjustments</u>		<u>Amount</u>	
Adj. 5 <u>Amortization of Regulatory Deferrals</u>	-	\$ -	-	\$ -
Adj. 6 <u>Depreciation Expense</u>				
(a) To reflect CY18 forecast associated with Net Utility Plant	4,452	\$ 4,452	4,452	\$ 4,452
Adj. 7 <u>Taxes Other Than Revenue & Income Taxes</u>				
(a) Real Estate Taxes				
To reflect CY18 forecast	8,957	\$ 8,957	8,957	\$ 8,957
(b) Payroll Taxes				
Flow through adjustment related to labor adjustment	93	\$ 93	93	\$ 93
(c) Other Taxes				
To reflect increase due to inflation	2	\$ 2	2	\$ 2
Total Taxes Other Than Revenue & Income Taxes		<u>\$ 9,052</u>		<u>\$ 9,052</u>
Adj. 8 <u>Rate Base</u>				
(a) Net Utility Plant				
To reflect CY 18 Plant forecast	268,628	\$ 268,628	268,628	\$ 268,628
(b) Regulatory Assets and Liabilities				
To reflect CY 18 forecast	(521)	\$ (521)	(521)	\$ (521)
(c) Accumulated Deferred Income Taxes				
(1) To reflect CY18 forecast increase -federal (includes flow throughs)	(70,665)		(70,665)	
(2) To reflect CY18 forecast increase -state (includes flow throughs)	(13,751)	\$ (84,416)	(13,751)	\$ (84,416)
(d) Working Capital				
(1) To reflect increase in Materials due to inflation	1,531		1,531	
(2) To reflect increase in Prepayments due to inflation	185		185	
(3) To reflect increase in O&M Cash Allowance based on changes in expense levels	(333)		(333)	
(4) To reflect increase in Supply Cash Allowance based on CY 18 forecast	1,264		1,264	
		<u>\$ 2,647</u>	-	<u>\$ 2,647</u>
Total Rate Base Adjustments		<u>\$ 186,337</u>		<u>\$ 186,337</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Taxes Other Than Income Taxes
For the Rate Year Ending December 31, 2018
(\$000's)

Taxes Other Than Revenue and Income Taxes	Joint Proposal Rate Year Ending December 31, 2017	Adj. #	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Real Estate Taxes				
Real Property	\$ 139,792	(7a)	\$ 8,957	\$ 148,748
Special Franchise	0		-	-
Total Real Estate Taxes	<u>139,792</u>		<u>8,957</u>	<u>148,748</u>
Payroll Taxes	5,531	(7b)	93	5,624
Other	90	(7c)	2	92
Total Taxes Other Than Revenue and Income Taxes	<u>\$ 145,413</u>		<u>\$ 9,052</u>	<u>\$ 154,465</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of Depreciation and Amortization Expense
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adj. #	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Depreciation Expense (acct 403)	\$ 66,943	(6)	\$ 4,452	\$ 71,395
Amortization Expense (acct 404-405)	0		0	0
Accretion Expense (acct 411.10)	0		0	0
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	0		0	0
Total Depreciation & Amortization Expense	<u>\$ 66,943</u>		<u>\$ 4,452</u>	<u>\$ 71,395</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Tax Deduction for Interest Expense
For the Rate Year Ending December 31, 2018
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2017	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Avg Rate Base Per Books	\$ 2,275,206	\$ 186,337	\$ 2,461,542
Plus: Forecast of Avg Interest Bearing CWIP	0	0	0
Less: Rate Base moved to GAC	0	0	0
Less: Excess Earnings Adj (EBCAP)	(28,187)	0	(28,187)
Rate Base	<u>2,303,394</u>	<u>186,337</u>	<u>2,489,729</u>
Weighted Cost of LTD Debt	2.09%	0.00%	2.09%
Weighted Cost of Cust Deposits	0.01%	0.00%	0.01%
subtotal weighted cost of debt	<u>2.10%</u>	<u>0.00%</u>	<u>2.10%</u>
Total Income Tax Interest Deduction	<u>\$ 48,371</u>	<u>\$ (4,149)</u>	<u>\$ 52,284</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Working Capital - Cash Allowance
For the Rate Year Ending December 31, 2018
(\$000's)

Description	Joint Proposal Rate Year Ending December 31, 2017	Adjustments	Joint Proposal Rate Year Ending December 31, 2018
Total O&M Expense	\$ 296,537	\$ (3,405)	\$ 293,132
Remove major non-cash items included O&M expense :			
Bad Debt expense	(8,798)	(251)	(9,049)
Other (Energy Efficiency, 18-a Assessment, Residential Reduced Rate Program, and Amortization SIR Deferral)	(34,221) (43,019)	996 745	(33,225) (42,274)
Subtotal			
Add major cash items not included in O&M expense:			
Other	0	0	0
Subtotal	0	0	0
Total Adjustments	(43,019)	745	(42,274)
Adjusted O&M Expense	\$ 253,519	\$ (2,660)	\$ 250,858
Departmental Cash Allowance - 1/8 (45 days)	31,690	(333)	31,357
Supply Cost Cash Allowance (3.64% x HY Gas exp)	0	0	0

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending December 31, 2018
(\$000's)

	TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A) AVERAGE RATE BASE - PER BOOKS	\$ 1,991,881	0	\$ 1,991,881	0	\$ 1,991,881
(B) ADD: Average interest-bearing CWIP	57,624	0	57,624	0	57,624
(C) TOTAL EARNINGS BASE (A+B)	<u>2,049,505</u>	<u>0</u>	<u>2,049,505</u>	<u>0</u>	<u>2,049,505</u>
	10,848.8				
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
Long Term Debt	883,084		883,084		883,084
Notes Payable	0		0		0
Gas Supplier Refunds	0		0		0
Customer Deposits	8,102		8,102		8,102
Preferred Stock	0		0		0
Common Equity (excludes merger GW; incl TCI adj)	<u>729,152</u> ¹		<u>729,152</u>		<u>729,152</u>
Avg. Allocated to Elec / Gas based on Earnings Base	1,620,338		1,620,338		1,620,338
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(F) SUBTOTAL (D+E)	<u>1,620,338</u>		<u>1,620,338</u>		<u>1,620,338</u>
LESS Average Investments in:					
Detailed balance sheet accounts	(524,091)	0	(524,091)	0	(524,091)
Accumulated Def Inc Tax Adjustment	38,467	0	38,467	0	38,467
Goodwill	n/a				
(G) Total Deductions	<u>(485,624)</u>		<u>(485,624)</u>		<u>(485,624)</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>2,105,962</u>		<u>2,105,962</u>		<u>2,105,962</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	<u>\$ (56,457)</u>		<u>\$ (56,457)</u>		<u>\$ (56,457)</u>

¹ Goodwill related to the NM merger with National Grid is excluded from the equity component of capitalization, pursuant to section 6.1 of the approved Stipulation Agreement.

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Statement of Operating Income
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adjustments	Joint Proposal Rate Year Ending December 31, 2019	Base Revenue Increase Required	Rate Year Ending December 31, 2019 with Base Revenue Requirement
<u>Operating Revenues</u>	\$ 1,037,351	(1) \$ 20,014	\$ 1,057,365	\$ 26,973	\$ 1,084,338
<u>Deductions</u>					
Purchased Gas Costs	274,741	(2) 10,500	285,241		285,241
Revenue Taxes	11,258	(3) 162	11,420	294	11,714
Total Deductions	285,999	10,662	296,661	294	296,955
Gross Margin	751,353	9,352	760,705	26,679	787,384
Total Operation & Maintenance Expenses	293,340	(4) 3,295	296,635	286	296,921
Amortization of Regulatory Deferrals	0	(5) 0	0		0
Depreciation, Amort. & Loss on Disposition	71,395	(6) 4,657	76,052		76,052
Taxes Other Than Revenue & Income Taxes	154,465	(7) 9,270	163,735		163,735
Total Operating Revenue Deductions	519,201	17,222	536,422	286	536,708
Operating Income Before Income Taxes	232,152	(7,870)	224,283	26,393	250,676
<u>Income Taxes</u>					
Federal Income Taxes	57,925	(3,726)	54,199	8,469	62,668
State Income Taxes	14,387	(966)	13,421	2,196	15,617
Total Income Taxes	72,312	(4,692)	67,620	10,665	78,285
Operating Income After Income Taxes	\$ 159,840	\$ (3,178)	\$ 156,663	\$ 15,728	\$ 172,391
Rate Base	\$ 2,489,731	\$ 203,886	\$ 2,693,617		\$ 2,693,617
Rate of Return	6.42%				6.40%

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of O&M Expenses
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adj. #	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Operation & Maintenance Expenses:				
Departmental Items:				
Consultants	\$ 7,743	4a	163	\$ 7,905
Contractors	29,093	4a	611	29,704
Donations	0		-	-
Employee Expenses	2,521	4a	53	2,574
Hardware	216	4a	5	221
Software	2,935	4a	62	2,996
Other	5,052	4a	106	5,158
Rents	3,200	4a	142	3,342
Service Company Rents	15,875	4b	2,034	17,909
Construction Reimbursement	(518)	4a	(11)	(529)
FAS 106	8,763	4c	(223)	8,540
FAS 112	178	4a	4	181
Health Care	11,819	4a	248	12,067
Group Life Insurance	752	4a	16	768
Other Benefits	95	4a	2	97
Pensions	14,300	4d	(4,134)	10,166
Thrift Plan	1,747	4a	37	1,784
Workers Comp	919	4a	19	939
Materials Outside Vendor	3,149	4a	66	3,216
Materials From Inventory	2,351	4a	49	2,400
Materials Stores Handling	261	4a	5	267
Postage	5,468	4a	115	5,583
Total Labor	80,497	4e	2,316	82,812
Transportation	2,780	4f	(39)	2,741
Energy Efficiency program	12,405	4g	77	12,482
Injuries and Damages	11,354	4a	239	11,592
Other Initiatives	25,065	4h	5,262	30,327
Productivity Adjustment	(4,954)	4i	(1,358)	(6,311)
Rate Case Expense	369		-	369
Regulatory Assessment Fees	3,619	4j	76	3,695
Uncollectible Accounts	9,049	4k	192	9,241
SIR	7,442	4l	(2,793)	4,648
Amortization of SIR Deferral	14,168		-	14,168
Joint Facilities	5,390	4a	113	5,503
PEX Savings	(1,657)	4a	(35)	(1,692)
Paving	2,466	4a	52	2,518
Legal	790	4a	17	806
Accounting	780	4a	16	796
Incentive Programs	1,000	4a	1	1,001
Residential Reduced Rate Program	6,652		-	6,652
Sub Total - Departmental	\$ 293,132		\$ 3,503	\$ 296,635
TOTAL	\$ 293,132		\$ 3,503	\$ 296,635
Inflation Factor	2.10%			

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Federal Income Taxes
For the Rate Year Ending December 31, 2019
(Whole Dollars)

	Federal Taxable Income	Adjustments	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 224,283,171	\$	\$ 224,283,171	\$ 78,499,000		\$ 78,499,000
ADDITIONS						
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	19,250	0	19,250	7,000	0	7,000
DEDUCTIONS						
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0
INTEREST	(56,027,000)	0	(56,027,000)	(19,609,450)	0	(19,609,450)
NEW YORK STATE RATE CHANGE (FIT on SIT)	0	0	0	0	203,024	203,024
DIVIDEND PAID CREDIT	0	0	0	0	0	0
NEW YORK STATE INCOME TAXES - CURRENT PROVISION	(14,000,554)	0	(14,000,554)	(4,900,000)	0	(4,900,000)
OTHER STATE INCOME TAXES	0	0	0	0	0	0
COST OF REMOVAL	0	0	0	0	0	0
TAX DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0
AMORTIZATION PASNY CONTRACT	0	0	0	0	0	0
CLASS B CONTRACTS AMORTIZATION	0	0	0	0	0	0
TOTAL FIT EXPENSE	\$ 154,274,867	\$ -	\$ 154,274,867	\$ 53,996,550	\$ 203,024	\$ 54,199,574

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
State Income Taxes
For the Rate Year Ending December 31, 2019
(Whole Dollars)

	State Taxable Income	Adjustments	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 224,283,171	\$	\$ 224,283,171	\$ 18,660,000		\$ 18,660,000
ADDITIONS						
MERGER RATE PLAN STRANDED COSTS-AMORTIZATION PROVISION FOR DEPRECIATION	0	0	0	0	0	0
REAL ESTATE TAXES PER BOOKS	0	0	0	0	0	0
BUSINESS MEALS 50% DISALLOWANCE	19,250	0	19,250	2,000	0	2,000
DEDUCTIONS						
GAIN ON REDEMPTION BONDS	0	0	0	0	0	0
INTEREST	(56,027,000)	0	(56,027,000)	(4,661,446)	0	(4,661,446)
NEW YORK STATE RATE CHANGE	0	0	0	0	(580,068)	(580,068)
GAS CONTINGENCY RESERVE	0	0	0	0	0	0
IBM CUSTOMER SYSTEM SETTLEMENT	0	0	0	0	0	0
REAL ESTATE TAXES FOR TAX	0	0	0	0	0	0
TOTAL SIT EXPENSE	\$ 168,275,421	\$ -	\$ 168,275,421	\$ 14,000,554	\$ (580,068)	\$ 13,420,486
						8.32%

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of Rate Base
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Net Utility Plant	\$ 3,246,554 (8a)	\$ 279,190	\$ 3,525,745
Regulatory Assets / Liabilities	4,014 (8b)	(520)	3,494
Accumulated Deferred Income Taxes - Federal	(787,492) (8c)	(63,170)	(850,663)
Accumulated Deferred Income Taxes - State	(134,778) (8c)	(14,585)	(149,363)
Working Capital			
Materials and supplies	74,454 (8d)	1,564	76,018
Prepayments	9,003 (8d)	189	9,192
O&M Cash Allowance (1/8 O&M exp)	31,357 (8d)	404	31,761
Supply Cash Allowance (Sep 09 lead/lag study)	28,269 (8d)	-	28,269
Change in Supply Cash Allowance (3.64% x RY Gas exp)	(9,839) (8d)	815	(9,024)
subtotal Working Capital	<u>133,245</u>	<u>2,972</u>	<u>136,216</u>
subtotal avg. before EBCAP adj.	<u>2,461,543</u>	<u>203,886</u>	<u>2,665,429</u>
Excess Earnings Base adjustment	<u>28,187</u>	<u>0</u>	<u>28,187</u>
Total Rate Base	<u>\$ 2,489,731</u>	<u>\$ 203,886</u>	<u>\$ 2,693,617</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Capital Structure
For the Rate Year Ending December 31, 2019

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 1,180,964	51.40%	4.02%	2.07%	2.07%
Customer Deposits	13,701	0.60%	0.85%	0.01%	0.01%
Common Equity	1,102,767	48.00%	9.00%	4.32%	7.25%
Total	\$ 2,297,432	100.00%		6.40%	9.33%

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	0.00%	1.05933%		GRT	\$ 11,420
GRT rate for Rev Req	1.09%			tax	\$ 1,057,365
Federal Income Tax rate	35.00%			revenue	1.08%
NYS Income Tax rate	8.32%	59.5920%			
Historic Year EBCAP	0.00%				
General Inflation (from 12/31/18 to 12/31/19)	2.10%				

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Adjustments for the Rate Year Ending December 31, 2019
(\$000's)

		<u>Adjustments</u>		<u>Amount</u>	
<u>Adj. 1</u>	<u>Operating Revenues</u>				
(a)	To reflect CY19 sales forecast	20,014	\$ 20,014	20,014	\$ 20,014
<u>Adj. 2</u>	<u>Purchased Gas Costs</u>				
(a)	To reflect CY19 forecast	10,500	\$ 10,500	10,500	\$ 10,500
<u>Adj. 3</u>	<u>Revenue Taxes</u>				
(a)	To reflect change in revenue taxes on adjustment 1. a.	162	\$ 162	162	\$ 162
<u>Adj. 4</u>	<u>Operating and Maintenance Expenses</u>				
(a)	<u>Various Expenses</u> To reflect increase in expense due to inflation	2,094	\$ 2,094	2,094	\$ 2,094
(b)	<u>Service Company Rents</u> To reflect CY19 forecast	2,034	\$ 2,034	2,034	\$ 2,034
(c)	<u>FAS 106</u> To reflect forecast per actuarial report	(223)	\$ (223)	(223)	\$ (223)
(d)	<u>Pensions</u> To reflect forecast per actuarial report	(4,134)	\$ (4,134)	(4,134)	\$ (4,134)
(e)	<u>Labor Expense</u> To reflect increase in salaries and wages by labor inflation factor	2,316	\$ 2,316	2,316	\$ 2,316
(f)	<u>Transportation Expense</u> To reflect specific CY19 forecast and general inflation	(39)	\$ (39)	(39)	\$ (39)
(g)	<u>Energy Efficiency</u> To reflect CY19 forecast	77	\$ 77	77	\$ 77
(h)	<u>Other Initiatives</u> To reflect CY 19 forecast and general and labor inflation	5,262	\$ 5,262	5,262	\$ 5,262
(i)	<u>Productivity</u> Flow through adjustment related to labor adjustment (1.5%)	(1,358)	\$ (1,358)	(1,358)	\$ (1,358)
(j)	<u>Regulatory Assessment Fee</u> To reflect CY19 forecast	76	\$ 76	76	\$ 76
(k)	<u>Uncollectible Accounts</u> To reflect increase associated with change in revenues	192	\$ 192	192	\$ 192
(l)	<u>Site Investigation & Remediation</u> To reflect CY19 forecast	(2,793)	\$ (2,793)	(2,793)	\$ (2,793)
(m)	<u>Residential Reduced Rate Program</u> To reflect CY19 forecast	-	\$ -	-	\$ -
	Total Operating & Maintenance Expense Adjustments		\$ 3,503		\$ 3,503

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Adjustments for the Rate Year Ending December 31, 2019
(\$000's)

	<u>Adjustments</u>		<u>Amount</u>	
Adj. 5 Amortization of Regulatory Deferrals	-	\$ -	-	\$ -
Adj. 6 Depreciation Expense				
(a) To reflect CY19 forecast associated with Net Utility Plant	4,657	\$ 4,657	4,657	\$ 4,657
Adj. 7 Taxes Other Than Revenue & Income Taxes				
(a) Real Estate Taxes				
To reflect CY19 forecast	9,175	\$ 9,175	9,175	\$ 9,175
(b) Payroll Taxes				
Flow through adjustment related to labor adjustment	93	\$ 93	93	\$ 93
(c) Other Taxes				
To reflect increase due to inflation	2	\$ 2	2	\$ 2
Total Taxes Other Than Revenue & Income Taxes		\$ 9,270		\$ 9,270
Adj. 8 Rate Base				
(a) Net Utility Plant				
To reflect CY19 Plant forecast	279,190	\$ 279,190	279,190	\$ 279,190
(b) Regulatory Assets and Liabilities				
To reflect CY19 forecast	(520)	\$ (520)	(520)	\$ (520)
(c) Accumulated Deferred Income Taxes				
(1) To reflect CY19 forecast increase -federal (includes flow throughs)	(63,170)		(63,170)	
(2) To reflect CY19 forecast increase -state (includes flow throughs)	(14,585)	\$ (77,756)	(14,585)	\$ (77,756)
(d) Working Capital				
(1) To reflect increase in Materials due to inflation	1,564		1,564	
(2) To reflect increase in Prepayments due to inflation	189		189	
(3) To reflect increase in O&M Cash Allowance based on changes in expense levels	404		404	
(4) To reflect increase in Supply Cash Allowance based on CY19 forecast	815		815	
		\$ 2,972	-	\$ 2,972
Total Rate Base Adjustments		\$ 203,886		\$ 203,886

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Taxes Other Than Income Taxes
For the Rate Year Ending December 31, 2019
(\$000's)

Taxes Other Than Revenue and Income Taxes	Joint Proposal Rate Year Ending December 31, 2018	Adj. #	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Real Estate Taxes				
Real Property	\$ 148,748	(7a)	\$ 9,175	\$ 157,923
Special Franchise	0		-	-
Total Real Estate Taxes	148,748		9,175	157,923
Payroll Taxes	5,624	(7b)	93	5,717.2
Other	92	(7c)	2	94
Total Taxes Other Than Revenue and Income Taxes	\$ 154,465		\$ 9,270	\$ 163,735

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Summary of Depreciation and Amortization Expense
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adj. #	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Depreciation Expense (acct 403)	\$ 71,395	(6)	\$ 4,657	\$ 76,052
Amortization Expense (acct 404-405)	0		0	0
Accretion Expense (acct 411.10)	0		0	0
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	0		0	0
Total Depreciation & Amortization Expense	<u>\$ 71,395</u>		<u>\$ 4,657</u>	<u>\$ 76,052</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Tax Deduction for Interest Expense
For the Rate Year Ending December 31, 2019
(\$000's)

	Joint Proposal Rate Year Ending December 31, 2018	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Avg Rate Base Per Books	\$ 2,461,543	\$ 203,886	\$ 2,665,429
Plus: Forecast of Avg Interest Bearing CWIP	0	0	0
Less: Rate Base moved to GAC	0	0	0
Less: Excess Earnings Adj (EBCAP)	(28,187)	0	(28,187)
Rate Base	<u>2,489,731</u>	<u>203,886</u>	<u>2,693,616</u>
Weighted Cost of LTD Debt	2.07%	0.00%	2.07%
Weighted Cost of Cust Deposits	0.01%	0.00%	0.01%
subtotal weighted cost of debt	<u>2.08%</u>	<u>0.00%</u>	<u>2.08%</u>
Total Income Tax Interest Deduction	\$ <u>51,786</u>	\$ <u>(4,971)</u>	\$ <u>56,027</u>

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Working Capital - Cash Allowance
For the Rate Year Ending December 31, 2019
(\$000's)

Description	Joint Proposal Rate Year Ending December 31, 2018	Adjustments	Joint Proposal Rate Year Ending December 31, 2019
Total O&M Expense	\$ 293,132	\$ 3,503	\$ 296,635
Remove major non-cash items included O&M expense :			
Bad Debt expense	(9,049)	(192)	(9,241)
Other (Energy Efficiency, 18-a Assessment, Residential Reduced Rate Program, and Amortization SIR Deferral)	(33,225)	(77)	(33,301)
Subtotal	(42,274)	(269)	(42,542)
Add major cash items not included in O&M expense:			
Other	0	0	0
Subtotal	0	0	0
Total Adjustments	(42,274)	(269)	(42,542)
Adjusted O&M Expense	\$ 250,858	\$ 3,234	\$ 254,093
Departmental Cash Allowance - 1/8 (45 days)	31,357	404	31,762
Supply Cost Cash Allowance (3.64% x HY Gas exp)	0	0	0

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

KeySpan Gas East Company d/b/a NATIONAL GRID
PSC Case No. 16-G-0058
Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending December 31, 2019
(\$000's)

	TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A) AVERAGE RATE BASE - PER BOOKS	\$ 1,991,881	0	\$ 1,991,881	0	\$ 1,991,881
(B) ADD: Average interest-bearing CW/IP	57,624	0	57,624	0	57,624
(C) TOTAL EARNINGS BASE (A+B)	2,049,505	0	2,049,505	0	2,049,505
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
Long Term Debt	883,084		883,084		883,084
Notes Payable	0		0		0
Gas Supplier Refunds	0		0		0
Customer Deposits	8,102		8,102		8,102
Preferred Stock	0		0		0
Common Equity (excludes merger GW; incl TCI adj)	729,152 ¹		729,152		729,152
Avg. Allocated to Elec / Gas based on Earnings Base	1,620,338		1,620,338		1,620,338
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	0	0	0	0	0
(F) SUBTOTAL (D+E)	1,620,338	0	1,620,338	0	1,620,338
(G) LESS Average Investments in:					
Detailed balance sheet accounts	(524,091)	0	(524,091)	0	(524,091)
Accumulated Def Inc Tax Adjustment	38,467	0	38,467	0	38,467
Goodwill	n/a				
(G) Total Deductions	(485,624)		(485,624)		(485,624)
(H) Capitalization Dedicated to Public Service (F-G)	2,105,962		2,105,962		2,105,962
(I) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers (C-H)	\$ (56,457)		\$ (56,457)		\$ (56,457)

¹ Goodwill related to the NM merger with National Grid is excluded from the equity component of capitalization, pursuant to section 6.1 of the approved Stipulation Agreement.

Keyspan Gas East Corporation d/b/a National Grid
Depreciation Rates
Effective 1/1/2017

ACCOUNT	ACCOUNT NAME	ASL	CURVE	NET SALVAGE %	COMBINED DEPRECIATION RATE	ASL DEPRECIATION RATE	NET SALVAGE DEPRECIATION RATE
<u>MANUFACTURED GAS PRODUCTION PLANT</u>							
305.00	STRUCTURES AND IMPROVEMENTS	30.0	H 1.0	0	3.33	3.33	0.00
311.00	LIQUEFIED PETROLEUM GAS EQUIPMENT	20.0	H 2.5	0	5.00	5.00	0.00
<u>LIQUEFIED PETROLEUM GAS EQUIPMENT</u>							
320.20	OTHER EQUIPMENT	25.0	H 1.0	0	4.00	4.00	0.00
320.30	OTHER EQUIPMENT-MISC.	25.0	H 1.0	0	4.00	4.00	0.00
<u>OTHER STORAGE PLANT-LNG</u>							
361.03	STRUCTURES AND IMPROVEMENTS	45.0	H 2.5	-7	2.38	2.22	0.16
362.05	GAS HOLDERS-HIGH PRESSURE	25.0	H 2.0	-275	15.00	4.00	11.00
362.07	GAS HOLDERS-LNG	25.0	H 2.0	0	4.00	4.00	0.00
363.00	PURIFICATION EQUIPMENT	25.0	H 1.5	0	4.00	4.00	0.00
363.01	LIQUEFACTION EQUIPMENT	24.0	H 2.5	0	4.17	4.17	0.00
363.02	VAPORIZING EQUIPMENT	30.0	H 2.5	-7	3.57	3.33	0.24
363.03	COMPRESSOR EQUIPMENT	30.0	H 1.5	0	3.33	3.33	0.00
363.04	MEASURING AND REGULATING EQUIPMENT	25.0	H 2.5	0	4.00	4.00	0.00
363.05	OTHER EQUIPMENT	25.0	H 1.5	-1	4.04	4.00	0.04
<u>TRANSMISSION PLANT</u>							
366.00	STRUCTURES AND IMPROVEMENTS	40.0	H 3.5	0	2.50	2.50	0.00
367.04	MAINS CAST IRON	50.0	H 3.5	0	2.00	2.00	0.00
367.09	MAINS-STEEL	80.0	H 2.5	0	1.25	1.25	0.00
368.00	COMPRESSOR STATION EQUIPMENT	25.0	H 1.0	0	4.00	4.00	0.00
369.00	MEASURING & REGULATING EQUIPMENT	45.0	H 2.5	0	2.22	2.22	0.00
<u>DISTRIBUTION PLANT</u>							
375.00	STRUCTURES & IMPROVEMENTS	40.0	H 2.0	0	2.50	2.50	0.00
376.09	STEEL	80.0	H 3.5	-1	1.26	1.25	0.01
376.10	CAST IRON	50.0	H 1.0	-14	2.28	2.00	0.28
376.18	PLASTIC	75.0	H 3.5	0	1.33	1.33	0.00
377.00	COMPRESSOR STATION EQUIPMENT	28.0	H 2.0	0	3.57	3.57	0.00
378.00	MEASURING & REGULATING EQUIPMENT	40.0	H 2.5	0	2.50	2.50	0.00
380.01	STEEL	60.0	H 2.0	0	1.67	1.67	0.00
380.03	COPPER	60.0	H 2.0	0	1.67	1.67	0.00
380.05	CAST IRON	60.0	H 2.0	0	1.67	1.67	0.00
380.06	PLASTIC	60.0	H 2.0	0	1.67	1.67	0.00
381.00	METERS	36.0	H 2.0	-10	3.06	2.78	0.28
382.02	METER INSTALLATIONS	43.0	H 2.5	-1	2.35	2.33	0.02
383.00	HOUSE REGULATORS	40.0	H 1.5	0	2.50	2.50	0.00
384.00	HOUSE REGULATORS INSTALLATIONS	52.0	H 1.0	0	1.92	1.92	0.00
<u>GENERAL PLANT</u>							
390.00	STRUCTURES & IMPROVEMENTS	35.0	H 1.5	-2	2.91	2.86	0.05
396.00	POWER OPERATED EQUIPMENT	15.0	H 2.0	0	6.67	6.67	0.00
<u>AMORTIZED PLANT</u>							
365.04	LAND RIGHTS	100.0	SQ	0	1.00	1.00	0.00
374.03	LAND RIGHTS	100.0	SQ	0	1.00	1.00	0.00
391.00	FURNITURE	26.0	SQ	0	3.85	3.85	0.00
391.04	MACHINES	15.0	SQ	0	6.67	6.67	0.00
391.08	EDP EQUIPMENT OTHER THAN LAPTOPS	8.0	SQ	-2	12.75	12.50	0.25
391.07	LAPTOP COMPUTERS	4.0	SQ	0	25.00	25.00	0.00
394.00	TOOLS, SHOP & GARAGE EQUIPMENT	32.0	SQ	0	3.13	3.13	0.00
395.00	LABORATORY EQUIPMENT	36.0	SQ	0	2.78	2.78	0.00
397.00	COMMUNICATION EQUIPMENT	15.0	SQ	0	6.67	6.67	0.00
397.55	COMMUNICATION EQUIPMENT-ERTS	15.0	SQ	0	6.67	6.67	0.00
398.00	MISCELLANEOUS EQUIPMENT	26.0	SQ	0	3.85	3.85	0.00

Keyspan Gas East Company d/b/a National Grid
Rate Change Levelization Reconciliation
Gas Revenue Requirement Target
For the Rate Years Ending December 31, 2017, December 31, 2018, and December 31, 2019

	Rate Year 1	Rate Year 2	Rate Year 3	Total	
	1/1/2017	1/1/2018	1/1/2019		
Pre-Levelization Information					
1 Delivery Rate Increase	112,002	19,594	26,973		402,167
2 Total Revenues Before Increase	<u>882,101</u>				
3 Pre-Shaping Rate Increase %	12.7%				
Rate Change Levelization Calculation					
4 Delivery Revenue Before Rate Relief	534,532	541,476	548,252	base delivery	
5 Rate Relief From Prior Year	-	62,799	134,543.23		
6 Total Revenue Before Current Year Rate Relief	534,532	604,275	682,795		
7 Period Levelization Deferral	<u>11.6%</u>	<u>11.6%</u>	<u>11.6%</u>		
8 Delivery Rate Increase - Post Levelization	61,993.26	70,081.77	79,188.34		405,332
9 Total Revenues Before Levelization	<u>882,101</u>				
10 Post-Levelization Rate Increase %	7.0%				
Carrying Costs Calculation					
11 Starting Levelization Deferral	0	50,792	51,896		
12 Levelization Deferral	50,009	(479)	(52,694)		
13 Accrued Carrying Costs	783	1,583	799		
14 Ending Levelization Deferral	<u>50,792</u>	<u>51,896</u>	<u>0</u>		
15 Average Levelization Deferral	25,004	50,552	25,549		
16 Levelization Rate	5.26%	5.26%	5.25%		
17 Tax Rate	<u>40.41%</u>	<u>40.41%</u>	<u>40.41%</u>		
18 Accrued Carrying Costs	783	1,583	799		3,165
Verification					
19 Pre-Levelization Cumulative Delivery Rate Increase	336,006	39,188	26,973		402,167
20 Post-Levelization Cumulative Delivery Rate Increase	185,980	140,164	79,188		405,332
21 Less: Carrying Costs					<u>(3,165)</u>
22 Total - Cross Check					402,167 (0)
23 SIR Surcharge	(40,272)	-	-		
24 SIR Surcharge plus Original Levelization	21,721	70,082	79,188		
25 Levelization Adjustment for SIR Surcharge	<u>21,582</u>	<u>(21,129)</u>	<u>(23,874)</u>		
26 Levelization With SIR Adjustment	43,303	48,953	55,314		
27 Increase with SIR	4.06%	11.60%	11.60%		
28 Increase with SIR Adjusted Levelization	8.10%	8.10%	8.10%		
Carrying Costs Calculation					
29 Starting Levelization Deferral	0	(21,920)	(23,066)		
30 Levelization Deferral	(21,582)	(453)	23,421		
31 Accrued Carrying Costs	(338)	(694)	(355)		
32 Ending Levelization Deferral	<u>(21,920)</u>	<u>(23,066)</u>	<u>0</u>		
33 Average Levelization Deferral	(10,791)	(22,146)	(11,356)		
34 Levelization Rate	5.26%	5.26%	5.25%		
35 Tax Rate	<u>40.41%</u>	<u>40.41%</u>	<u>40.41%</u>		
36 Accrued Carrying Costs	(338)	(694)	(355)		(1,386)
Verification					
37 Pre-Levelization Cumulative Delivery Rate Increase	-	-	-		-
38 Post-Levelization Cumulative Delivery Rate Increase	64,745	(42,258)	(23,874)		(1,386)
39 Less: Carrying Costs					<u>1,386</u>
40 Total - Cross Check					(0) (0)

**Keyspan Gas East Company d/b/a National Grid
Rate Year Four Reconciliations
Gas Revenue Requirement Target
For the Rate Years Ending December 31, 2017, December 31, 2018, and December 31, 2019**

Rate year 4

Company will defer difference between levelized rate increases and calculated revenue requirement.

Levelized Rate Increase	187,842
Revenue Requirement	158,569
Regulatory Liability	<u>29,273</u>
Pro-Rated for 6 months	14,637

Net plant tracker converted to a two way tracker in fourth year. Net plant in the fourth year compared to third year rate allowance capped at current forecast of fourth year plant.

Rate Year 3 Net Plant Forecast included in Revenue Requirement Settlement	3,525,745
Rate Year 4, 6 Months through June 2020 Net Plant Forecast	<u>3,783,481</u>
Net plant increase	257,736
Pre-tax Return %	<u>9.33%</u>
Revenue Requirement Change due to Net Plant	<u>24,045</u>
Revenue Requirement Change due to Net Plant Pro-Rated for 6 months	<u>12,022</u>

Rate Year 3 Depreciation Expense included in Revenue Requirement Settlement	76,052
Rate Year 3 Depreciation Expense Pro-Rated for 6 Months	38,026
Rate Year 4, 6 Months through June 2020 Depreciation Expense Forecast	<u>40,098</u>
Revenue Requirement Change due to Depreciation Expense Pro-Rated for 6 months	2,072

Return on Net Plant and Depreciation Cap	<u><u>14,094</u></u>
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Illustrations of Net Plant Tracker for Rate Year 4:

		Net Plant	Depreciation
Forecast included in Revenue Requirement Settlement - Rate Year Three Levels		3,525,745	76,052
Pre-tax Return % Applied	9.33%	328,927	
Rate Year Three Pro-Rated for 6 Months		164,464	38,026
Total Revenue Requirement Target	<u>202,489</u>		

Illustration of Net Plant Tracker with Actuals Higher than CY 20 Forecast

Total Actuals for 6 Months through June 2020		3,800,000	41,000
Pre-tax Return % Applied	9.33%	354,513	
Return Pro-Rated for 6 Months		177,257	
Total Revenue Requirement Actuals for 6 Months through June 2020	<u>218,257</u>		

Actuals higher/(lower) than Target	<u>15,767</u>
Net Plant and Depreciation Regulatory Asset - Limited to Cap	<u><u>14,094</u></u>

Illustration of Net Plant Tracker with Actuals Lower than CY 19 Forecast

Total Actuals for 6 Months through June 2020		3,500,000	38,000
Pre-tax Return % Applied	9.33%	326,525	
Return Pro-Rated for 6 Months		163,263	
Total Revenue Requirement Actuals for 6 Months through June 2020	<u>201,263</u>		

Actuals higher/(lower) than Target	<u>(1,227)</u>
Net Plant and Depreciation Regulatory Liability	<u><u>(1,227)</u></u>

Keyspan Gas East Corporation d/b/a National Grid
Monthly Balances of Gas Net Utility Plant
For the 6 Months Ending June 30, 2020

		(\$000's)				
Balance at Month End		Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Depreciation (e)
1	Dec-19 (1/2 month)	\$ 2,255,582	\$ 28,928	\$ (455,351)	\$ 1,829,160	
2	Jan-20	\$ 4,539,117	\$ 58,579	(912,592)	\$ 3,685,104	\$ 6,531
3	Feb-20	\$ 4,573,016	\$ 55,179	(914,468)	\$ 3,713,727	\$ 6,567
4	Mar-20	\$ 4,696,652	\$ 31,472	(905,856)	\$ 3,822,268	\$ 6,611
5	Apr-20	\$ 4,723,303	\$ 29,195	(908,709)	\$ 3,843,789	\$ 6,762
6	May-20	\$ 4,749,727	\$ 27,831	(911,423)	\$ 3,866,135	\$ 6,796
7	Jun-20 (1/2 month)	\$ 2,383,631	\$ 14,594	(457,524)	\$ 1,940,701	\$ 6,831
14	Total Gas (Sum of Lines 1 to 7)	27,921,029	245,779	(5,465,924)	\$ 22,700,884	40,098
15	Average Monthly Balance (Line 14 / 6)	\$ 4,653,505	\$ 40,963	\$ (910,987)	\$ 3,783,481	

**Keyspan Gas East Corp. d/b/a National Grid
Illustrative example of Make Whole Provision applicable to Residential Heating**

	(a) Current Rate per Therm	(b) Proposed Rate per Therm	(c) Change	(d) January 2017 Sales - (Therms)	(e) Lost Revenue	(f) 2017 Sales - (Therms)	(g) Feb-Dec. 2017 Sales - (Therms)	(h) Surcharge be added to Feb-Dec. 2017 rates	(i) Revised Feb-Dec 2017 Rates
Block 2	\$ 0.87390	\$ 1.06800	\$ 0.19410	19,413,207	\$ 3,768,103	183,399,250	163,986,043	\$ 0.0230	\$ 1.0910
Block 3	\$ 0.20000	\$ 0.24440	\$ 0.04440	70,182,982	\$ 3,116,124	326,187,980	256,004,998	\$ 0.0122	\$ 0.2566
SIR Surcharge	\$ 0.04876	\$ -	\$ (0.04876)	90,866,186	\$ (4,430,181)	524,843,880	433,977,694	\$ (0.0102)	\$ (0.0102)
Billing & Payment Processing	\$ 0.65	\$ 1.02	\$ 0.37	# Bills 426,901	\$ 157,953	# Bills 5,169,780	# Bills 4,742,879	\$ 0.03	\$ 1.05

- (a) Appendix 4, Schedule 4.1., Page 2 of 8
- (b) Appendix 4, Schedule 4.1., Page 2 of 8
- (c) Column (b) - Column (a)
- (d) Appendix 4, Schedule 8, Page 1 of 3
- (e) Column (d) x Column (c)
- (f) Appendix 4, Schedule 4.1., Page 2 of 8
- (g) Column (f) - Column (d)
- (h) Column (e) / Column (g)
- (i) Column (h) + Column (b)

NOTES:

- (1) Above is illustrative for Residential Heating customers. Same methodology will apply to all classes with a delivery and/or SIR per term rate change.
- (2) The revenue variance associated with the delay for the credit and collections, supply procurement and storage components of the MFC will flow through their annual reconciliations.
- (3) The revenue variance associated with the delay in the bad debt rate will flow through the credit and collections annual reconciliation.
- (4) The revenue variance associated with the delay in the working capital rate will flow through the supply procurement annual reconciliation.
- (5) The revenue variance associated with the delay in the LAUF percentage will flow through the annual GAC and TAC reconciliations.
- (6) The revenue variance associated with the POR will be reconciled through the Statement of Seller Charges and Adjustments.

KEDLI
Capital Investment Plan
\$000

Classification	Category	Historic Test Year	CY'17 Capital Plan	CY'18 Capital Plan	CY'19 Capital Plan	CY'20 Capital Plan	
Growth	Base Growth - Install Main	\$ 52,559	\$ 12,686	\$ 8,143	\$ 6,038	\$ 4,894	
	Base Growth - Install Services	\$ 51,406	\$ 31,147	\$ 28,748	\$ 27,070	\$ 25,164	
	Base Growth - NEP Main	\$ -	\$ 11,974	\$ 12,125	\$ 12,125	\$ 12,125	
	Base Growth - NEP Services	\$ -	\$ 4,380	\$ 5,574	\$ 7,014	\$ 8,860	
	Base Growth - Customer Contribution:	\$ (2,342)	\$ (2,313)	\$ (2,417)	\$ (2,417)	\$ (2,417)	
	Base Growth - Install Meter / Regulator:	\$ 1,912	\$ 1,144	\$ 1,169	\$ 1,194	\$ 1,200	
	Base Growth - Meter Purchases	\$ 787	\$ 2,284	\$ 2,398	\$ 2,518	\$ 2,645	
	Gas System Reinforcement	\$ 30,401	\$ 33,083	\$ 23,291	\$ 25,667	\$ 27,586	
	Total Growth	\$ 134,723	\$ 94,384	\$ 79,031	\$ 79,209	\$ 80,057	
	Mandated	CSC/Public Works - Non Reimbursable	\$ 3,971	\$ 5,064	\$ 5,226	\$ 5,331	\$ 5,438
CSC/Public Works - Reimbursable		\$ 2,047	\$ 5,107	\$ 5,272	\$ 5,377	\$ 5,485	
CSC/Public Works - Reimbursements		\$ (1,376)	\$ (783)	\$ (799)	\$ (815)	\$ (832)	
Corrosion		\$ 1,199	\$ 940	\$ 958	\$ 978	\$ 997	
Service Replacement (Reactive) - Leaks		\$ 2,941	\$ 4,848	\$ 5,965	\$ 6,302	\$ 6,428	
Service Replacements (Reactive) - Non Leaks - Other		\$ 6,578	\$ 2,955	\$ 3,014	\$ 3,074	\$ 3,136	
Atmospheric Corrosion Inside Inspection		\$ 99	\$ 497	\$ 507	\$ 517	\$ 527	
Service Replacements - Proactive		\$ 1,679	\$ -	\$ -	\$ -	\$ -	
Main Replacements (Proactive) - Leak Prone Pipe		\$ 60,044	\$ 127,681	\$ 158,252	\$ 187,831	\$ 218,676	
Cross Bore Remediation		\$ -	\$ 2,643	\$ 2,805	\$ 2,805	\$ 2,805	
Latent Damage		\$ -	\$ 1,000	\$ 1,020	\$ 1,040	\$ 1,061	
Large Diameter CI Lining Program		\$ -	\$ 2,875	\$ 3,575	\$ 3,600	\$ 3,675	
Main Replacements (Reactive) - Maintenance		\$ 4,699	\$ 2,902	\$ 2,975	\$ 3,034	\$ 3,095	
Plastic Fusions - New		\$ -	\$ 1,491	\$ 1,943	\$ 2,393	\$ 2,881	
Meter Changes		\$ 3,719	\$ 1,228	\$ 1,252	\$ 1,277	\$ 1,303	
Pipeline Integrity - IMI		\$ 3,312	\$ 1,168	\$ 5,844	\$ 1,240	\$ 1,209	
Pipeline Integrity - IVI		\$ -	\$ 250	\$ 250	\$ 250	\$ 250	
ISO Joints		\$ 4,184	\$ -	\$ -	\$ -	\$ -	
Purchase Meters (Replacements)		\$ 1,131	\$ 2,924	\$ 3,070	\$ 3,224	\$ 3,386	
Misc Mandated Work		\$ 271	\$ -	\$ -	\$ -	\$ -	
Total Mandated		\$ 94,498	\$ 162,788	\$ 201,131	\$ 227,460	\$ 259,520	
Reliability		Gas System Control	\$ 2	\$ 152	\$ 155	\$ 209	\$ 637
		Gas System Control - M2M Upgrade	\$ -	\$ 23	\$ -	\$ 41	\$ 83
		Gas System Reliability - Gas Planning/RV Program	\$ 17	\$ 1,000	\$ 1,893	\$ 109	\$ 3,150
		East End Reliability Program	\$ 1,138	\$ -	\$ -	\$ -	\$ -
	Valve Installations/Replacement:	\$ (44)	\$ 105	\$ 107	\$ 109	\$ 111	
	Heater Installation Program	\$ 1,088	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	
	Pressure Regulating Facilities:	\$ 2,318	\$ 3,129	\$ 4,218	\$ 5,046	\$ 4,131	
	Bay Shore Take Station Overhaul	\$ -	\$ 860	\$ 340	\$ -	\$ -	
	Rockville Centre Take Station Overhaul	\$ -	\$ -	\$ 860	\$ 340	\$ -	
	Long Beach Gate Station Overhaul	\$ -	\$ -	\$ -	\$ 860	\$ 340	
	System Automation	\$ 525	\$ 828	\$ 845	\$ 861	\$ 879	
	Water Intrusion	\$ 1,588	\$ 723	\$ 737	\$ 752	\$ 767	
	Storm Hardening - Remote Service Shutoff Valve	\$ -	\$ 8,295	\$ 11,225	\$ 11,445	\$ 11,673	
	I&R - Reactive/CNG	\$ (20)	\$ 1,654	\$ 1,679	\$ 1,704	\$ 1,728	
	LNG - Blanket	\$ 1,580	\$ 1,935	\$ 1,633	\$ 540	\$ 240	
	LNG - Special Projects	\$ 3,577	\$ 4,035	\$ 6,502	\$ 3,102	\$ 4,460	
	LNG - Tank Upgrade	\$ -	\$ -	\$ -	\$ 5,250	\$ 13,563	
	Northwest Nassau Transmission Main & Control Valve	\$ -	\$ 34,000	\$ 60,000	\$ 53,750	\$ 14,750	
	Misc Reliability Work/Project:	\$ 834	\$ -	\$ -	\$ -	\$ 4,610	
	Total Reliability	\$ 12,603	\$ 58,238	\$ 91,694	\$ 85,617	\$ 62,620	
	Non-Infrastructure	AMR Installation/Replacement:	\$ 18,274	\$ 733	\$ 748	\$ 763	\$ 778
		Tools & Equipment - AI	\$ 1,589	\$ 1,792	\$ 1,953	\$ 2,129	\$ 2,321
		Brightwaters Facility Upgrade	\$ -	\$ 1,500	\$ 1,500	\$ -	\$ -
		Telecomm	\$ -	\$ 109	\$ 109	\$ 109	\$ 109
		Combustible Gas Indicators	\$ 198	\$ -	\$ -	\$ -	\$ -
Total Non-Infrastructure		\$ 20,061	\$ 4,134	\$ 4,310	\$ 3,001	\$ 3,208	
Misc		SuperStorm Sandy	\$ 4,068	\$ -	\$ -	\$ -	\$ -
	Misc	\$ (1,605)	\$ -	\$ -	\$ -	\$ -	
	Total Misc	\$ 2,463	\$ -	\$ -	\$ -	\$ -	
Total Direct Gas (Capital & COR)		\$ 264,348	\$ 319,544	\$ 376,166	\$ 395,288	\$ 405,405	
Cost of Removal		\$ 6,885	\$ 13,285	\$ 15,832	\$ 18,129	\$ 20,964	
Total Direct Gas (Net of COR)		\$ 257,463	\$ 306,259	\$ 360,334	\$ 377,159	\$ 384,441	
Indirect Capital							
Facilities/Customer/Other	Facilities	\$ 7,413	\$ 200	\$ 200	\$ 200	\$ 200	
	Customer - Office Equipment	\$ -	\$ 248	\$ -	\$ -	\$ -	
	Customer - Gas REV Pilots	\$ -	\$ 751	\$ -	\$ -	\$ -	
	Other	\$ 694	\$ -	\$ -	\$ -	\$ -	
	COR - Facilities	\$ -	\$ 50	\$ 50	\$ 50	\$ 50	
	Total Facilities/Customer	\$ 8,107	\$ 1,249	\$ 250	\$ 250	\$ 250	
Fleet/IM/IR (Capex only)	Fleet	\$ 496	\$ 1,560	\$ 960	\$ 350	\$ 200	
	IM/IR	\$ -	\$ 85	\$ 70	\$ 70	\$ 60	
	Total Fleet/IM/IR (Capex only)	\$ 496	\$ 1,645	\$ 1,030	\$ 420	\$ 260	
Total Capital/COR		\$ 272,951	\$ 322,438	\$ 377,446	\$ 395,958	\$ 405,915	

APPENDIX 3

BROOKLYN UNION GAS COMPANY D/B/A NATIONAL GRID NY
Revenue Forecast at current rates at Rate Year 1
Calendar Year 2017

Class Name	1 Customers	2 Therms	3 Base Delivery Revenue	4 Merchant Function Charge Revenue	5 1B-A Assessment Revenue	6 System Benefit Charge Revenue (NYSEDA)	7 Energy Efficiency Surcharge	8 RDM Reconciliation Collections	9 SIR - Site Investigation and Remediation	10 Power Gen Revenue	11 TAC	12 Misc - Other	13 Total Delivery Revenue Col (3+4+5+6+7+8+9 +10+11+12)	14 Commodity Revenue	15 Gross Revenue Taxes	16 Revenue
SC 1A Resi Non Heat Sales	451,871	37,391,422	\$82,339,191	\$1,006,234	\$1,068,506	\$251,535	\$336,127	\$0	\$0	\$0	\$0	\$0	\$84,041,592	\$15,227,353	\$4,621,350	\$103,890,295
SC 1AR Reduced Rate Resi Non Heat Sales	15,618	1,337,374	\$2,270,913	\$36,037	\$3,782	\$8,462	\$12,020	\$0	\$0	\$0	\$0	\$0	\$2,331,215	\$548,515	\$133,495	\$3,013,225
SC 1B Resi Heat Sales	457,096	661,394,856	\$295,040,431	\$15,155,317	\$943,762	\$2,533,975	\$5,036,220	\$0	\$0	\$0	\$0	\$0	\$318,709,705	\$236,977,590	\$22,532,568	\$578,219,883
SC 1BR Resi Heat Reduced Rate Sales	30,496	\$6,266,626	\$12,849,047	\$978,973	\$60,875	\$165,545	\$324,789	\$0	\$0	\$0	\$0	\$0	\$14,379,229	\$15,296,410	\$1,161,144	\$30,836,782
SC 1B-DG Resi Dist Gen Sales	3	5,996	\$1,913	\$161	\$11	\$29	\$54	\$0	\$0	\$0	\$0	\$0	\$2,169	\$2,509	\$182	\$4,860
SC 3 Multi-Family Heat Sales	10,609	80,172,878	\$24,606,016	\$2,157,708	\$100,041	\$382,691	\$720,126	\$0	\$0	\$0	\$0	\$0	\$28,056,582	\$33,628,358	\$2,285,054	\$63,991,879
SC 2-1 Non Resi Non Heat Sales	9,057	45,749,797	\$15,409,644	\$1,231,299	\$55,991	\$299,930	\$409,392	\$0	\$0	\$0	\$0	\$0	\$17,405,257	\$18,678,239	\$964,895	\$37,048,391
SC 2-2 Non Resi Heat Sales	27,013	\$8,864,397	\$36,202,060	\$2,908,816	\$133,010	\$355,209	\$774,467	\$0	\$0	\$0	\$0	\$0	\$39,773,582	\$36,359,047	\$2,051,047	\$78,163,646
SC 2-4 High Load Factor Sales	5	10,186,247	\$1,656,093	\$230,816	\$6,251	\$77,512	\$91,172	\$0	\$0	\$0	\$0	\$0	\$2,105,095	\$3,047,777	\$137,037	\$2,289,910
SC 4A-CNG Wholesale NGV Sales	41	5,274,993	\$826,872	\$141,795	\$3,523	\$38,034	\$47,175	\$0	\$0	\$0	\$0	\$0	\$1,057,400	\$1,609,328	\$70,916	\$2,737,644
SC 4B Yr Round Space Conditioning Sales	6	1,304,368	\$408,621	\$35,111	\$1,008	\$6,304	\$11,695	\$0	\$0	\$0	\$0	\$0	\$462,739	\$456,781	\$24,736	\$944,256
SC 7 Seasonal Off-Peak Sales	14	105,100	\$25,568	\$2,842	\$34	\$982	\$938	\$0	\$0	\$0	\$0	\$0	\$30,354	\$23,724	\$1,457	\$55,535
SC 14 Retail NGV Sales			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC 17-1A Resi Non Heat Transport	105,651	22,446,912	\$21,721,103	\$282,638	\$66,254	\$143,036	\$201,437	\$0	\$0	\$0	\$0	\$0	\$22,414,468	\$0	\$1,211,008	\$23,625,476
SC 17-1AR Resi Non Heat Reduced Rate Transport	5,626	502,580	\$614,595	\$6,330	\$1,408	\$3,162	\$4,590	\$0	\$0	\$0	\$0	\$0	\$630,005	\$0	\$42,648	\$872,653
SC 17-1B Resi Heat Transport	110,845	150,183,553	\$75,069,123	\$1,892,272	\$265,059	\$676,244	\$1,345,688	\$0	\$0	\$0	\$0	\$0	\$79,238,386	\$0	\$4,102,371	\$83,340,757
SC 17-1BR Resi Heat Reduced Rate Transport	10,468	11,894,681	\$4,313,164	\$149,875	\$19,809	\$55,593	\$107,176	\$0	\$0	\$0	\$0	\$0	\$4,645,617	\$0	\$247,756	\$4,893,353
SC 17-3 Multi-Family Transport	7,924	233,182,039	\$54,390,499	\$2,835,808	\$287,547	\$1,158,732	\$2,086,504	\$0	\$0	\$0	\$0	\$0	\$60,859,090	\$0	\$3,132,769	\$63,991,879
SC 17-2-1 Non Resi Non Heat Transport	5,701	86,404,951	\$21,887,868	\$1,087,953	\$101,211	\$88,869	\$770,211	\$0	\$0	\$0	\$0	\$0	\$24,436,112	\$0	\$691,543	\$25,127,655
SC 17-2-2 Non Resi Heat Transport	9,517	57,820,467	\$20,016,785	\$727,968	\$86,334	\$24,474	\$77,021	\$0	\$0	\$0	\$0	\$0	\$21,597,039	\$0	\$613,242	\$22,210,281
SC 17-4 High Load Factor Transport	52	48,384,620	\$7,580,594	\$609,079	\$31,412	\$350,845	\$431,914	\$0	\$0	\$0	\$0	\$0	\$9,003,843	\$0	\$250,538	\$9,254,382
SC 17-4A-CNG Wholesale NGV Transport	1		\$1,464	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,464	\$0	\$38	\$1,502
SC 17-4B Yr Round Space Conditioning Transport	36	1,465,578	\$435,155	\$18,450	\$1,047	\$9,048	\$13,108	\$0	\$0	\$0	\$0	\$0	\$476,808	\$0	\$13,393	\$490,201
SC 17-7 Seasonal Off-Peak Transport	1	3,111	\$1,122	\$39	\$2	\$12	\$27	\$0	\$0	\$0	\$0	\$0	\$1,203	\$0	\$33	\$1,236
SC 18-5A Non-Core Sales			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC 6M TC Multi-Family Sales	2,324	116,713,008	\$41,024,950	\$0	\$152,873	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$41,177,823	\$35,064,857	\$1,972,313	\$78,214,994
SC 6C TC Comm / Ind Sales	96	12,650,151	\$4,546,669	\$0	\$15,326	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,561,965	\$3,691,232	\$213,543	\$8,466,770
SC 6G TC Governmental Sales	370	36,232,840	\$12,662,370	\$0	\$50,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,712,668	\$10,944,889	\$612,062	\$24,269,640
SC 18-6M TC Multi-Family Transport	239	15,008,064	\$5,256,496	\$0	\$21,301	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,277,798	\$0	\$72,961	\$5,414,409
SC 18-6C Comm / Ind Transport	36	7,803,482	\$2,810,014	\$0	\$9,439	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,819,452	\$0	\$12,914	\$2,892,414
SC 18-6G TC Governmental Transport	4	678,168	\$233,838	\$0	\$1,113	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$234,951	\$0	\$6,086	\$241,037
SC 18-5A Non-Core Transport	1	15,322,440	\$1,103,216	\$0	\$17,487	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,120,703	\$0	\$28,984	\$1,149,686
SC 18 Small Electric Generator Transport	3	272,642,705	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,717,308	\$0	\$0	\$6,717,308	\$0	\$173,724	\$6,891,031
SC 20 Large Electric Generator Transport	2	133,135,521	\$9,666,694	\$0	\$0	\$0	\$0	\$0	\$0	\$2,094,282	\$0	\$0	\$2,094,282	\$0	\$54,163	\$2,148,445
Gross Up Residential Reduced Rate Program			\$9,666,694	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,666,694	\$0	\$457,727	\$10,124,422
Adjustments to match expenses (MFC, EE, SBC)			\$0 (\$13,376,191)	\$0	\$0	\$1,092,000 (\$221,000)	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250,519 (\$12,505,191)	\$0	\$0	\$0
Revenue Subtotal	1,260,769	2,087,518,624	\$755,262,066	\$17,662,593	\$2,534,718	\$8,445,223	\$13,021,228	\$0	\$0	\$8,811,590	\$0	\$0	\$805,737,408	\$411,536,612	\$48,017,434	\$1,265,291,453
Edgar Discount						(\$304,679)							(\$304,679)	\$0	(\$7,880)	(\$312,559)
Sales Allowance						(\$205,456)							(\$205,456)	\$0	(\$5,314)	(\$210,770)
Rent From Property						\$2,800,548							\$2,800,548	\$0	\$0	\$2,800,548
Late Payment Charges						\$11,419,231							\$11,419,231	\$0	\$0	\$11,419,231
Other Misc Revenue Fees						\$3,565,677							\$3,565,677	\$0	\$0	\$3,565,677
Joint Facilities						\$4,247,220							\$4,247,220	\$0	\$0	\$4,247,220
Other Revenue						\$0							\$0	\$0	\$0	\$0
Billing Service Fee						\$11,470,182							\$11,470,182	\$0	\$0	\$11,470,182
Revenue Total	1,260,769	2,087,518,624	\$755,262,066	\$17,662,593	\$2,534,718	\$8,445,223	\$13,021,228	\$0	\$0	\$8,811,590	\$0	\$0	\$838,730,130	\$411,536,612	\$48,004,240	\$1,296,270,982

BROOKLYN UNION GAS COMPANY D/B/A NATIONAL GRID NY
Revenue Forecast at current rates at Rate Year 2
Calendar Year 2018

Class Name	1 Customers	2 Therms	3 Base Delivery Revenue	4 Merchant Function Charge Revenue	5 18-A Assessment Revenue	6 System Benefit Charge Revenue (NYSERDA)	7 Energy Efficiency Surcharge	8 RDM Reconciliation Collections	9 SIR - Site Investigation and Remediation	10 Power Gen Revenue	11 TAC	12 Misc - Other	13 Total Delivery Revenue Col +10*(1+12)	14 Commodity Revenue	15 Gross Revenue Taxes	16 Revenue
SC 1A Resi Non Heat Sales	451,389	37,533,905	\$82,257,439	\$1,045,784	\$0	\$267,356	\$335,767	\$0	\$0	\$0	\$0	\$0	\$83,906,346	\$16,277,934	\$4,650,626	\$104,834,906
SC 1AR Reduced Rate Resi Non Heat Sales	15,601	1,341,477	\$2,268,829	\$37,402	\$0	\$8,991	\$12,007	\$0	\$0	\$0	\$0	\$0	\$2,327,230	\$584,039	\$135,240	\$3,046,509
SC 1B Resi Heat Sales	461,811	567,035,539	\$298,179,838	\$15,824,609	\$0	\$2,714,368	\$5,088,157	\$0	\$0	\$0	\$0	\$0	\$321,806,972	\$252,300,305	\$23,196,959	\$597,304,236
SC 1BR Resi Heat Reduced Rate Sales	30,810	36,570,444	\$12,984,123	\$1,020,571	\$0	\$177,356	\$328,139	\$0	\$0	\$0	\$0	\$0	\$14,510,188	\$16,280,397	\$1,193,919	\$31,964,504
SC 1B-DG Resi Dist Gen Sales	3	6,031	\$1,913	\$168	\$0	\$31	\$54	\$0	\$0	\$0	\$0	\$0	\$2,166	\$2,662	\$187	\$5,035
SC 3 Multi Family Sales	10,612	79,756,337	\$24,577,748	\$2,222,118	\$0	\$4,000,035	\$715,732	\$0	\$0	\$0	\$0	\$0	\$27,915,632	\$35,512,729	\$2,326,704	\$65,755,065
SC 2.1 Non Resi Non Heat Sales	9,234	46,408,410	\$15,682,017	\$1,293,074	\$0	\$320,658	\$415,262	\$0	\$0	\$0	\$0	\$0	\$17,711,010	\$20,176,506	\$1,010,958	\$38,698,473
SC 2 Non Resi Heat Sales	27,252	87,364,285	\$36,593,470	\$2,433,411	\$0	\$374,220	\$784,171	\$0	\$0	\$0	\$0	\$0	\$40,186,273	\$39,286,058	\$2,141,514	\$81,592,845
SC 4A High Load Factor Sales	50	10,142,575	\$1,646,026	\$282,553	\$0	\$81,939	\$90,581	\$0	\$0	\$0	\$0	\$0	\$210,128	\$329,439	\$143,316	\$5,538,882
SC 4A-CNG Wholesale NGV Sales	6	5,245,872	\$820,342	\$146,089	\$0	\$40,171	\$46,798	\$0	\$0	\$0	\$0	\$0	\$1,053,399	\$1,731,626	\$73,981	\$2,859,006
SC 4B Yr Round Space Conditioning Sales	42	1,324,187	\$415,987	\$36,898	\$0	\$6,793	\$11,885	\$0	\$0	\$0	\$0	\$0	\$471,562	\$495,978	\$25,967	\$993,508
SC 7 Seasonal Off-Peak Sales	16	118,186	\$28,696	\$3,301	\$0	\$1,178	\$1,053	\$0	\$0	\$0	\$0	\$0	\$34,227	\$29,608	\$1,716	\$66,551
SC 14 Retail NGV Sales	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC 17-1A Resi Non Heat Transport	105,539	22,517,931	\$21,700,283	\$287,092	\$0	\$151,988	\$201,221	\$0	\$0	\$0	\$0	\$0	\$22,340,585	\$0	\$1,213,952	\$23,554,536
SC 17-1AR Resi Non Heat Reduced Rate Transp	5,620	503,019	\$813,829	\$6,416	\$0	\$3,360	\$4,505	\$0	\$0	\$0	\$0	\$0	\$828,110	\$0	\$42,823	\$870,932
SC 17-1B Resi Heat Transport	111,988	151,563,252	\$75,868,382	\$1,934,056	\$0	\$724,375	\$1,359,566	\$0	\$0	\$0	\$0	\$0	\$79,886,379	\$0	\$4,165,342	\$84,051,721
SC 17-1BR Resi Heat Reduced Rate Transp	10,576	12,069,833	\$4,358,915	\$154,021	\$0	\$89,571	\$108,281	\$0	\$0	\$0	\$0	\$0	\$4,680,788	\$0	\$251,002	\$4,931,790
SC 17-3 Multi Family Transport	8,434	247,006,775	\$7,726,270	\$3,148,441	\$0	\$1,296,111	\$2,213,108	\$0	\$0	\$0	\$0	\$0	\$64,363,930	\$0	\$3,307,278	\$67,691,208
SC 17-2.1 Non Resi Non Heat Transport	5,787	87,598,823	\$22,253,422	\$1,116,851	\$0	\$637,455	\$783,999	\$0	\$0	\$0	\$0	\$0	\$24,791,126	\$0	\$989,478	\$25,490,605
SC 17-2 Non Resi Heat Transport	9,605	58,219,043	\$20,193,271	\$743,002	\$0	\$260,826	\$523,270	\$0	\$0	\$0	\$0	\$0	\$21,720,369	\$0	\$615,817	\$22,336,186
SC 17-4A High Load Factor Transport	53	48,845,623	\$7,653,264	\$622,551	\$0	\$377,459	\$435,990	\$0	\$0	\$0	\$0	\$0	\$9,089,265	\$0	\$252,732	\$9,341,996
SC 17-4A-CNG Wholesale NGV Transport	1	1	\$1,464	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,464	\$0	\$38	\$1,502
SC 17-4B Yr Round Space Conditioning Transport	37	1,508,463	\$448,462	\$19,226	\$0	\$9,952	\$13,486	\$0	\$0	\$0	\$0	\$0	\$491,126	\$0	\$13,785	\$504,910
SC 17-7 Seasonal Off-Peak Transport	2	5,578	\$1,973	\$71	\$0	\$23	\$50	\$0	\$0	\$0	\$0	\$0	\$2,118	\$0	\$56	\$2,173
SC 18-5A Non-Core Sales	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC 6M TC Multi-Family Sales	2,291	116,333,979	\$41,715,213	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$41,715,213	\$37,405,040	\$2,048,690	\$81,168,943
SC 6C TC Comm / Ind Sales	84	11,975,595	\$4,369,016	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,369,016	\$3,766,715	\$211,074	\$8,346,804
SC 6G TC Governmental Sales	366	35,031,031	\$12,439,807	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,439,807	\$11,335,860	\$616,424	\$24,392,091
SC 18-6M TC Multi-Family Transport	223	14,185,531	\$5,022,424	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,022,424	\$0	\$121,263	\$5,153,687
SC 18-6C TC Comm / Ind Transport	33	7,649,636	\$2,797,333	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,797,333	\$0	\$72,881	\$2,870,214
SC 18-6G TC Governmental Transport	3	564,433	\$195,319	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$195,319	\$0	\$5,178	\$200,496
SC 18-5A Non-Core Transport	3	15,322,440	\$1,103,216	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,103,216	\$0	\$28,531	\$1,131,747
SC 18 Small Electric Generator Transport	3	272,642,705	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$173,724	\$6,891,031
SC 20 Large Electric Generator Transport	2	133,135,521	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$54,163	\$2,148,445
Gross Up Residential Reduced Rate Program	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Adjustments to match expenses (MFC, EE, SBC)	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Revenue Subtotal	1,267,473	2,109,618,457	\$764,039,839	\$18,773,126	\$0	\$7,914,215	\$13,472,480	\$0	\$0	\$8,811,590	\$0	\$33,441,466	\$813,011,250	\$438,439,914	\$49,274,805	\$1,300,725,969
Edgar Discount	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sales Allowance	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rent From Property	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Late Payment Charges	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Misc Revenue Fees	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Joint Facilities	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Revenue	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Billing Service Fee	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Revenue Total	1,267,473	2,109,618,457	\$764,039,839	\$18,773,126	\$0	\$7,914,215	\$13,472,480	\$0	\$0	\$8,811,590	\$0	\$33,441,466	\$846,452,716	\$438,439,914	\$49,261,612	\$1,334,154,242

BROOKLYN UNION GAS COMPANY D/B/A NATIONAL GRID NY
Revenue Forecast at current rates at Rate Year 3
Calendar Year 2019

Class Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Customers	Therms	Base Delivery Revenue	Merchant Function Charge Revenue	18-A Assessment Revenue	System Benefit Charge Revenue (NYSERDA)	Energy Efficiency Surcharge	RDM Reconciliation Collections	SIR - Site Investigation and Remediation	Power Gen Revenue	TAC	Misc - Other	Total Delivery Revenue Col +10x(1+42)	Commodity Revenue	Gross Revenue Taxes	Revenue
SC 1A Resi Non Heat Sales	450,985	37,502,080	\$82,189,837	\$1,069,335	\$0	\$263,683	\$335,465	\$0	\$0	\$0	\$0	\$0	\$83,858,320	\$16,604,925	\$4,654,233	\$105,117,477
SC 1AR Reduced Rate Resi Non Heat Sales	15,588	1,340,347	\$2,287,136	\$38,246	\$0	\$8,865	\$11,997	\$0	\$0	\$0	\$0	\$0	\$0	\$596,178	\$135,407	\$3,057,829
SC 1BR Resi Heat Sales	466,525	572,921,620	\$301,318,845	\$16,362,715	\$0	\$2,700,570	\$5,140,094	\$0	\$0	\$0	\$0	\$0	\$325,522,225	\$260,751,662	\$23,590,378	\$609,864,264
SC 1BR Resi Heat Reduced Rate Sales	31,125	36,950,021	\$13,119,188	\$1,055,274	\$0	\$176,470	\$331,488	\$0	\$0	\$0	\$0	\$0	\$14,682,421	\$16,804,613	\$1,216,152	\$32,703,186
SC 1B-DG Resi Dist Gen Sales	3	6,032	\$4,191,914	\$172	\$0	\$30	\$54	\$0	\$0	\$0	\$0	\$0	\$2,170	\$2,741	\$188	\$5,100
SC 3 Multi-Family Sales	10,616	79,053,299	\$24,416,725	\$2,253,909	\$0	\$389,741	\$709,411	\$0	\$0	\$0	\$0	\$0	\$27,769,786	\$35,968,433	\$2,329,864	\$66,068,083
SC 2.1 Non Resi Non Heat Sales	9,413	47,302,254	\$15,982,068	\$1,348,765	\$0	\$320,630	\$423,192	\$0	\$0	\$0	\$0	\$0	\$18,074,853	\$21,006,780	\$1,042,085	\$40,123,729
SC 2.2 Non Resi Heat Sales	271,490	88,162,154	\$36,910,148	\$2,512,147	\$0	\$368,229	\$791,024	\$0	\$0	\$0	\$0	\$0	\$40,581,548	\$40,471,254	\$2,182,680	\$83,235,462
SC 4A High Load Factor Sales	50	10,061,533	\$1,633,503	\$286,894	\$0	\$90,285	\$89,856	\$0	\$0	\$0	\$0	\$0	\$2,090,539	\$3,402,699	\$145,773	\$5,639,011
SC 4A-CNG Wholesale NGV Sales	6	5,203,939	\$813,865	\$148,317	\$0	\$39,351	\$46,423	\$0	\$0	\$0	\$0	\$0	\$1,047,955	\$1,786,406	\$75,222	\$2,909,583
SC 4B Yr Round Space Conditioning Sales	43	1,345,201	\$423,244	\$38,356	\$0	\$6,799	\$12,071	\$0	\$0	\$0	\$0	\$0	\$480,469	\$521,373	\$26,858	\$1,028,701
SC 7 Seasonal Off-Peak Sales	18	132,194	\$32,148	\$3,778	\$0	\$1,298	\$1,177	\$0	\$0	\$0	\$0	\$0	\$38,402	\$35,235	\$1,977	\$75,614
SC 14 Retail NGV Sales	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC 17-1A Resi Non Heat Transport	105,444	22,498,598	\$21,683,207	\$290,504	\$0	\$149,865	\$201,040	\$0	\$0	\$0	\$0	\$0	\$22,324,616	\$0	\$1,211,672	\$23,536,288
SC 17-1AR Resi Non Heat Reduced Rate Transport	5,615	502,597	\$813,204	\$6,491	\$0	\$3,313	\$4,501	\$0	\$0	\$0	\$0	\$0	\$827,509	\$0	\$42,759	\$870,268
SC 17-1BR Resi Heat Transport	113,131	153,135,481	\$76,667,537	\$1,978,231	\$0	\$720,687	\$1,373,443	\$0	\$0	\$0	\$0	\$0	\$80,739,898	\$0	\$4,205,896	\$84,945,795
SC 17-1BR Resi Heat Reduced Rate Transport	10,683	12,195,085	\$4,404,682	\$157,539	\$0	\$69,281	\$109,386	\$0	\$0	\$0	\$0	\$0	\$4,730,867	\$0	\$253,398	\$4,984,266
SC 17-3 Multi-Family Transport	8,948	261,550,607	\$61,118,813	\$3,376,403	\$0	\$1,341,328	\$2,342,389	\$0	\$0	\$0	\$0	\$0	\$68,178,933	\$0	\$3,500,191	\$71,679,123
SC 17-2.1 Non Resi Non Heat Transport	5,873	89,053,241	\$22,611,814	\$1,149,851	\$0	\$639,684	\$796,303	\$0	\$0	\$0	\$0	\$0	\$25,197,652	\$0	\$1,740,466	\$25,908,118
SC 17-2.2 Non Resi Heat Transport	9,692	58,705,586	\$20,342,859	\$757,869	\$0	\$257,034	\$526,911	\$0	\$0	\$0	\$0	\$0	\$21,884,673	\$0	\$619,978	\$22,504,651
SC 17-4A High Load Factor Transport	54	49,372,160	\$7,736,438	\$637,378	\$0	\$376,747	\$440,663	\$0	\$0	\$0	\$0	\$0	\$9,191,226	\$0	\$255,401	\$9,446,628
SC 17-4A-CNG Wholesale NGV Transport	1	-	\$1,464	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,464	\$0	\$38	\$1,502
SC 17-4B Yr Round Space Conditioning Transport	39	1,555,949	\$463,059	\$20,086	\$0	\$10,100	\$13,908	\$0	\$0	\$0	\$0	\$0	\$67,154	\$0	\$14,223	\$81,377
SC 17-7 Seasonal Off-Peak Transport	2	5,603	\$2,016	\$72	\$0	\$23	\$50	\$0	\$0	\$0	\$0	\$0	\$2,162	\$0	\$7	\$2,219
SC 18-5A Non-Core Sales	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC 8M TC Multi-Family Sales	2,258	114,966,758	\$42,035,676	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42,035,676	\$38,898,321	\$2,095,206	\$83,029,203
SC 6C TC Comm / Ind Sales	72	11,207,424	\$4,164,183	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,164,183	\$3,712,630	\$204,353	\$8,081,166
SC 6S TC Governmental Sales	362	35,160,208	\$12,738,503	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,738,503	\$11,956,756	\$640,105	\$25,335,364
SC 18-6M TC Multi-Family Transport	207	13,217,956	\$4,768,481	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,768,481	\$0	\$124,657	\$4,893,138
SC 18-6C TC Comm / Ind Transport	30	7,260,781	\$2,704,853	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,704,853	\$0	\$70,476	\$2,775,329
SC 18-6G TC Governmental Transport	2	378,595	\$132,153	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$132,153	\$0	\$3,542	\$135,694
SC 18-5A Non-Core Transport	3	15,322,440	\$1,103,216	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,103,216	\$0	\$28,531	\$1,131,747
SC 20 Large Electric Generator Transport	1	272,642,705	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,717,308	\$0	\$173,724	\$6,891,031
SC 20 Large Electric Generator Transport	2	133,135,521	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,094,282	\$0	\$54,163	\$2,148,445
Gross Up Residential Reduced Rate Program	-	-	-	(13,982,033)	-	-	-	-	-	-	-	-	(13,982,033)	-	-	(13,982,033)
Adjustments to match expenses (MFC, EE, SBC)	-	-	10,015,409	-	-	-	-	-	-	-	-	-	10,015,409	-	473,928	\$10,489,337
Revenue Subtotal	1,274,276	2,131,847,928	\$772,616,165	\$19,510,298	\$0	\$7,914,215	\$13,700,846	\$0	\$0	\$8,811,590	\$0	\$33,772,965	\$62,553,114	\$452,520,006	\$50,093,594	\$1,325,156,714
Edgar Discount	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sales Allowance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rent From Property	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(\$312,559)
Late Payment Charges	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(\$7,880)	(\$312,559)
Other Misc Revenue Fees	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(\$5,314)	(\$312,559)
Joint Facilities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(\$205,456)	(\$312,559)
Other Revenue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(\$2,800,548)	(\$312,559)
Billing Service Fee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(\$11,894,789)	(\$312,559)
Revenue Total	1,274,276	2,131,847,928	\$772,616,165	\$19,510,298	\$0	\$7,914,215	\$13,700,846	\$0	\$0	\$8,811,590	\$0	\$33,772,965	\$62,553,114	\$452,520,006	\$50,070,400	\$1,358,916,486

The Brooklyn Union Gas Company d/b/a National Grid, NY
Reconciliation of Gas Operating Revenue to Base Rate Design

	Rate Year 1	Rate Year 2	Rate Year 3
1 Total Operating Revenue	\$ 1,570,361	\$ 1,650,806	\$ 1,728,236
<i>Less Misc Revenue recovered outside of base rates:</i>			
2 Purchased Gas Costs	\$ 411,537	\$ 438,440	\$ 452,520
3 Revenue Taxes	\$ 58,065	\$ 61,103	\$ 63,915
4 MFC Revenue	\$ 17,663	\$ 18,773	\$ 19,510
5 Other Retail Revenue	\$ 65,805	\$ 63,640	\$ 64,200
6 Subtotal misc rev recovered outside base rates	\$ 553,070	\$ 581,956	\$ 600,145
 <i>Less Incremental Revenue for increased charges outside of base rates:</i>			
7 Tariff fee updates	\$ 2,051	\$ 2,051	\$ 2,051
8 Billing Service Fee	\$ 3,320	\$ 6,676	\$ 10,069
9 Subtotal incremental revenue	\$ 5,372	\$ 8,728	\$ 12,120
10 Less: Levelization deferral	\$ 97,660	\$ 4,204	\$ (108,043)
11 Plus: GRT included in levelization deferral	\$ 3,611	\$ 155	\$ (3,996)
12 Variance due to rounding	\$ (27)	\$ 32	\$ 45
13 Gas Revenue for Base Delivery Rate Design	<u>\$ 917,843</u>	<u>\$ 1,056,106</u>	<u>\$ 1,220,063</u>

- 1 Appendix 1, Schedule 2, Page 1
- 2 Appendix 1, Schedule 2, Page 1
- 3 Appendix 1, Schedule 2, Page 1
- 4 Appendix 3, Schedule 1, Column 4
- 5 Appendix 3, Schedule 1, sum of columns 5-12
- 6 Sum of Lines 2-5
- 7 Incremental revenue from additional tariff fees
- 8 Incremental revenue from phase in of billing service fee increase
- 9 Line 7 + Line 8
- 10 Appendix 1, Schedule 3, Page 1
- 11 Add back GRT included in the levelization deferral on line 10
- 12 Rounding variances in base rate design
- 13 Appendix 3, Schedule 2 for RY1' Appendix 3, Schedule 3 for RY2 & RY3

The Brooklyn Union Gas Company d/b/a National Grid NY
Revenue Allocation- Rate Year 1 Distribution Revenue Increase

Line	Service Classification	Revenue at Present Rates	SIR previously in surcharge	(Increase) decrease Other revenue	Unbilled revenue	Revenue at Present Rates excluding SIR	Revenue at Present Rates with Adjustments Including SIR	Rate Year 1 Revenue	(Increase) decrease	% Change
1										
2	1A	108,825	8,761	(5,017)	(904)	102,905	111,666	130,322	27,417	26.6%
3	IB	402,339	36,480	(5,863)	(5,733)	390,743	427,222	494,823	104,080	26.6%
4	IB-DG	2	0	(0)	(0)	2	2	2	0	2.8%
5	2-1	37,392	3,524	(229)	(94)	37,069	40,593	46,947	9,879	26.6%
6	2-2	56,798	5,284	(428)	(579)	55,791	61,075	70,657	14,867	26.6%
7	3 Multi	79,581	7,230	(400)	(495)	78,687	85,917	99,644	20,957	26.6%
8	4A	9,269	828	(1)	(32)	9,236	10,064	11,705	2,469	26.7%
9	4A CNG	832	75	(0)	(4)	828	903	1,049	220	26.6%
10	4B	849	78	(1)	(5)	843	921	1,068	225	26.6%
11	18-5A	1,103	0	(0)	(0)	1,103	1,103	1,103	0	0.0%
12	7	27	2	(0)	(0)	27	29	27	0	0.2%
13	TC-C	7,357	0	(1)	(56)	7,299	7,299	6,044	(1,255)	(17.2%)
14	TC-G	12,896	0	(3)	(96)	12,797	12,797	11,458	(1,340)	(10.5%)
15	TC-M	46,281	0	(22)	(291)	45,969	45,969	42,995	(2,974)	(6.5%)
16		763,551	62,262	(11,965)	(8,289)	743,297	805,559	917,843	174,545	
17	Rate Year 1 Target Increase								174,573	
18	Difference due to rounding								28	
19										
20	Rate Year 1 Target Increase from Appendix 1, Schedule 3, Page 1								174,430	
21	Eliminate Increase from Billing Charge at \$1.42								9,913	
22	Phase-in Billing charge								(3,320)	
23	Less: GRT portion of base rate increase								(6,450)	
24	Plus: Increase Associated with Sales Volume Variance								0	
25	Other Reconciling items								0	
26	Distribution Increase								174,573	
							Less SIR surcharge revenue:		62,262	
									112,311	
							% Change		15.1%	

The Brooklyn Union Gas Company d/b/a National Grid NY
Revenue Allocation- Rate Year 2 and Rate Year 3 Distribution Revenue Increase

Line	Service Classification	Rate Year 1 Revenue	Rate Year 2 Revenue	(Increase) decrease	% Change	Rate Year 2 Revenue	Rate Year 3 Revenue	(Increase) decrease	% Change
1									
2	1A	130,322	150,483	20,161	15.5%	150,483	174,414	23,931	15.9%
3	1B	494,823	571,393	76,570	15.5%	571,393	662,290	90,897	15.9%
4	1B-DG	2	2	0	0.0%	2	2	0	0.0%
5	2-1	46,947	54,210	7,263	15.5%	54,210	62,829	8,618	15.9%
6	2-2	70,657	81,585	10,928	15.5%	81,585	94,559	12,974	15.9%
7	3 Multi	99,644	115,043	15,399	15.5%	115,043	133,338	18,296	15.9%
8	4A	11,705	13,528	1,823	15.6%	13,528	15,695	2,167	16.0%
9	4A CNG	1,049	1,195	147	14.0%	1,195	1,367	171	14.3%
10	4B	1,068	1,233	165	15.5%	1,233	1,429	196	15.9%
11	18-5A	1,103	1,103	0	0.0%	1,103	1,103	0	0.0%
12	7	27	31	4	14.9%	31	34	3	11.4%
13	TC-C	6,044	6,814	770	12.7%	6,814	7,556	742	10.9%
14	TC-G	11,458	12,920	1,463	12.8%	12,920	15,043	2,123	16.4%
15	TC-M	42,995	46,566	3,571	8.3%	46,566	50,405	3,839	8.2%
16		917,843	1,056,106	138,263	15.1%	1,056,106	1,220,063	163,957	15.5%
17	Rate Year 2 Target Increase		Line 25	138,264				163,945	
18	Difference due to rounding			1				(12)	
19									
20	Rate Year 1 Target Increase from Appendix 1, Schedule 3, Page 1			134,478				161,162	
21	Phase-in Billing charge			(3,356)				(3,393)	
22	Less: GRT portion of levelized increase			(4,973)				(5,960)	
23	Plus: Increase associated with Sales Volume Variance			10,403				13,670	
24	Other Reconciling Items			1,712				(1,534)	
25	Distribution Increase			138,264				163,945	

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 1		Proposed Rates		Total Revenue = \$17,842,549	
		Sales	Transport	Total	Sales	Transport	Total
1A	Cust	451,871	105,651	557,522	451,871	105,651	557,522
	Block 1	1,044,188	309,431	1,353,619	1,044,188	309,431	1,353,619
	Block 2	1,776,030	732,597	2,508,627	1,776,030	732,597	2,508,627
	Block 3	956,486	1,221,307	2,177,792	956,486	1,221,307	2,177,792
	Billed Sales (Dth)	3,776,704	2,263,335	6,040,039	3,776,704	2,263,335	6,040,039
	Tariff Rates						
	Block 1	\$ 13,7400	\$ 13,7400		\$ 14,7000	\$ 14,7000	
	Block 2	\$ 0.3369	\$ 0.3369		\$ 0.7877	\$ 0.7877	
	Block 3	\$ 0.1500	\$ 0.1500		\$ 0.3507	\$ 0.3507	
	Billed Margin (\$000)						
	Block 1	\$ 75,539	\$ 17,662	\$ 93,201	\$ 79,710	\$ 18,637	\$ 98,347
	Block 2	\$ 5,983	\$ 2,468	\$ 8,452	\$ 13,990	\$ 5,771	\$ 19,760
	Block 3	\$ 1,435	\$ 1,832	\$ 3,267	\$ 3,354	\$ 4,283	\$ 7,638
	Billed Delivery Rev	\$82,957	\$21,962	\$104,919	\$97,054	\$28,691	\$125,745
1AR	Cust	15,618	5,626	21,245	15,618	5,626	21,245
	Block 1	36,310	12,088	48,398	36,310	12,088	48,398
	Block 2	62,358	17,187	79,545	62,358	17,187	79,545
	Block 3	36,392	21,393	57,785	36,392	21,393	57,785
	Billed Sales (Dth)	135,060	50,668	185,728	135,060	50,668	185,728
	Tariff Rates						
	Block 1	\$ 13,7400	\$ 13,7400		\$ 14,7000	\$ 14,7000	
	Block 2	\$ 0.3369	\$ 0.3369		\$ 0.7877	\$ 0.7877	
	Block 3	\$ 0.1500	\$ 0.1500		\$ 0.3507	\$ 0.3507	
	Billed Margin (\$000)						
	Block 1	\$ 2,611	\$ 941	\$ 3,551	\$ 2,755	\$ 993	\$ 3,748
	Block 2	\$ 210	\$ 58	\$ 268	\$ 491	\$ 135	\$ 627
	Block 3	\$ 55	\$ 32	\$ 87	\$ 128	\$ 75	\$ 203
	Billed Delivery Rev	\$ 2,876	\$ 1,031	\$ 3,906	\$ 3,374	\$ 1,203	\$ 4,577
1A&1AR	Customers	467,489	111,278	578,766	467,489	111,278	578,766
	Billed Sales (Dth)	3,911,764	2,314,003	6,225,767	3,911,764	2,314,003	6,225,767
	Billed Delivery Rev	\$85,833	\$22,992	\$108,825	\$100,428	\$29,894	\$130,322

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 1			Proposed Rates		
		Sales	Transport	Total	Sales	Transport	Total
1B							
	Cust	457,096	110,845	567,941	457,096	110,845	567,941
	Block 1	1,633,312	399,649	2,032,961	1,633,312	399,649	2,032,961
	Block 2	19,174,788	4,872,486	24,047,275	19,174,788	4,872,486	24,047,275
	Block 3	35,778,642	9,847,956	45,626,599	35,778,642	9,847,956	45,626,599
	Billed Sales (Dth)	56,586,743	15,120,091	71,706,834	56,586,743	15,120,091	71,706,834
	Tariff Rates						
	Block 1	\$ 21.5500	\$ 21.5500		\$ 21.5500	\$ 21.5500	
	Block 2	\$ 0.5644	\$ 0.5644		\$ 0.7846	\$ 0.7846	
	Block 3	\$ 0.2000	\$ 0.2000		\$ 0.2780	\$ 0.2780	
	Billed Margin (\$000)						
	Block 1	\$ 119,847	\$ 29,063	\$ 148,909	\$ 118,205	\$ 28,664	\$ 146,870
	Block 2	\$ 108,223	\$ 27,500	\$ 135,723	\$ 150,445	\$ 38,230	\$ 188,675
	Block 3	\$ 71,557	\$ 19,696	\$ 91,253	\$ 99,465	\$ 27,377	\$ 126,842
	Billed Delivery Rev	\$ 299,627	\$ 76,259	\$ 375,885	\$ 368,115	\$ 94,271	\$ 462,386
	Cust	30,496	10,468	40,963	30,496	10,468	40,963
	Block 1	108,982	37,727	146,708	108,982	37,727	146,708
	Block 2	1,279,901	448,904	1,728,804	1,279,901	448,904	1,728,804
	Block 3	2,260,435	717,589	2,978,024	2,260,435	717,589	2,978,024
	Billed Sales (Dth)	3,649,317	1,204,220	4,853,537	3,649,317	1,204,220	4,853,537
	Disc Blk 2	803,844	281,716		803,844	281,716	
	Tariff Rates						
	Block 1	\$ 21.5500	\$ 21.5500		\$ 21.5500	\$ 21.5500	
	Block 2	\$ 0.5644	\$ 0.5644		\$ 0.7846	\$ 0.7846	
	Block 3	\$ 0.2000	\$ 0.2000		\$ 0.2780	\$ 0.2780	
	Winter Block 2	\$ 0.5644	\$ 0.5644				
	Billed Margin (\$000)						
	Block 1	\$ 7,996	\$ 2,745	\$ 10,740	\$ 7,886	\$ 2,707	\$ 10,593
	Block 2	\$ 7,224	\$ 2,534	\$ 9,757	\$ 10,042	\$ 3,522	\$ 13,564
	Block 2 Disc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Block 3	\$ 4,521	\$ 1,435	\$ 5,956	\$ 6,284	\$ 1,995	\$ 8,279
	Billed Delivery Rev	\$ 19,740	\$ 6,713	\$ 26,454	\$ 24,212	\$ 8,224	\$ 32,436
	Customers	487,592	121,312	608,904	487,592	121,312	608,904
	Billed Sales (Dth)	60,236,060	16,324,311	76,560,371	60,236,060	16,324,311	76,560,371
	Billed Delivery Rev	\$319,367	\$82,972	\$402,339	\$392,327	\$102,495	\$494,823
	1B&1BR						

Total Revenue = \$917,842,549

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 1		Total Revenue = \$17,842,549		
		Current Rates		Proposed Rates		
		Sales	Transport	Sales	Transport	Total
1BDG						
	Cust	3	-	3	-	3
	Block 1	10	-	10	-	10
	Block 2	599	-	599	-	599
	Block 3	-	-	-	-	-
	Billed Sales (Dth)	610	-	610	-	610
	Tariff Rates					
	Block 1	\$ 32.9300		\$ 32.9300		
	Block 2	\$ 0.1360		\$ 0.1360		
	Billed Margin (\$000)					
	Block 1	\$ 1	\$ -	\$ 1	\$ -	\$ 1
	Block 2	\$ 1	\$ -	\$ 1	\$ -	\$ 1
	Billed Delivery Rev	\$ 2	\$ -	\$ 2	\$ -	\$ 2
	Cust	10,609	7,924	10,609	7,924	18,533
	Block 1	38,000	28,543	38,000	28,543	66,543
	Block 2	5,147,082	5,610,956	5,147,082	5,610,956	10,758,037
	Block 3	2,906,218	17,804,364	2,906,218	17,804,364	20,710,582
	Billed Sales (Dth)	8,091,300	23,443,862	8,091,300	23,443,862	31,535,162
	Tariff Rates					
	Block 1	\$ 39.5100	\$ 39.5100	\$ 39.5100	\$ 39.5100	
	Block 2	\$ 0.2719	\$ 0.2719	\$ 0.3496	\$ 0.3496	
	Block 3	\$ 0.2000	\$ 0.2000	\$ 0.2571	\$ 0.2571	
	Billed Margin (\$000)					
	Block 1	\$ 5,100	\$ 3,809	\$ 5,030	\$ 3,757	\$ 8,787
	Block 2	\$ 13,995	\$ 15,256	\$ 17,994	\$ 19,616	\$ 37,610
	Block 3	\$ 5,812	\$ 35,609	\$ 7,472	\$ 45,775	\$ 53,247
	Billed Delivery Rev	\$ 24,907	\$ 54,674	\$ 30,496	\$ 69,148	\$ 99,644
3						

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 1			Total Revenue = \$917,842,549		
		Current Rates		Proposed Rates			
		Sales	Transport	Total	Sales	Transport	Total
2-1	Cust	9,057	5,701	14,757	9,057	5,701	14,757
	Block 1	30,590	20,321	50,911	30,590	20,321	50,911
	Block 2	669,172	531,783	1,200,956	669,172	531,783	1,200,956
	Block 3	3,063,990	5,250,880	8,314,870	3,063,990	5,250,880	8,314,870
	Block 4	824,927	2,851,071	3,675,998	824,927	2,851,071	3,675,998
	Billed Sales (Dth)	4,588,679	8,654,055	13,242,734	4,588,679	8,654,055	13,242,734
	Tariff Rates						
	Block 1	\$ 37.5500	\$ 37.5500		\$ 37.5500	\$ 37.5500	
	Block 2	\$ 0.3621	\$ 0.3621		\$ 0.4761	\$ 0.4761	
	Block 3	\$ 0.2500	\$ 0.2500		\$ 0.3287	\$ 0.3287	
	Block 4	\$ 0.1500	\$ 0.1500		\$ 0.1972	\$ 0.1972	
	Billed Margin (\$000)						
	Block 1	\$ 4,138	\$ 2,604	\$ 6,742	\$ 4,081	\$ 2,569	\$ 6,650
	Block 2	\$ 2,423	\$ 1,926	\$ 4,349	\$ 3,186	\$ 2,532	\$ 5,718
	Block 3	\$ 7,660	\$ 13,127	\$ 20,787	\$ 10,071	\$ 17,260	\$ 27,331
	Block 4	\$ 1,237	\$ 4,277	\$ 5,514	\$ 1,627	\$ 5,622	\$ 7,249
	Billed Delivery Rev	\$ 15,458	\$ 21,934	\$ 37,392	\$ 18,965	\$ 27,982	\$ 46,947
2-2	Cust	27,013	9,517	36,531	27,013	9,517	36,531
	Block 1	77,682	28,335	106,017	77,682	28,335	106,017
	Block 2	1,370,093	561,333	1,931,426	1,370,093	561,333	1,931,426
	Block 3	4,829,057	3,305,489	8,134,546	4,829,057	3,305,489	8,134,546
	Block 4	2,425,045	1,930,441	4,355,486	2,425,045	1,930,441	4,355,486
	Billed Sales (Dth)	8,701,877	5,825,598	14,527,475	8,701,877	5,825,598	14,527,475
	Tariff Rates						
	Block 1	\$ 37.5500	\$ 37.5500		\$ 37.5500	\$ 37.5500	
	Block 2	\$ 0.3621	\$ 0.3621		\$ 0.4893	\$ 0.4893	
	Block 3	\$ 0.3000	\$ 0.3000		\$ 0.4054	\$ 0.4054	
	Block 4	\$ 0.2000	\$ 0.2000		\$ 0.2702	\$ 0.2702	
	Billed Margin (\$000)						
	Block 1	\$ 12,341	\$ 4,348	\$ 16,689	\$ 12,172	\$ 4,289	\$ 16,461
	Block 2	\$ 4,961	\$ 2,033	\$ 6,994	\$ 6,704	\$ 2,747	\$ 9,450
	Block 3	\$ 14,487	\$ 9,916	\$ 24,404	\$ 19,577	\$ 13,400	\$ 32,977
	Block 4	\$ 4,850	\$ 3,861	\$ 8,711	\$ 6,552	\$ 5,216	\$ 11,769
	Billed Delivery Rev	\$ 36,640	\$ 20,158	\$ 56,798	\$ 45,006	\$ 25,652	\$ 70,657
2	Cust	36,070	15,218	51,288	36,070	15,218	51,288
	Billed Sales (Dth)	13,290,556	14,479,654	27,770,210	13,290,556	14,479,654	27,770,210
	Billed Delivery Rev	\$52,098	\$42,092	\$94,190	\$63,971	\$53,634	\$117,605

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 1		Total Revenue = \$17,842,549	
		Current Rates		Proposed Rates	
		Sales	Transport	Sales	Transport
		Total		Total	
4A (Exl.CNG)					
Cust		50	52	50	52
Block 1		508	583	508	583
Block 2		49,094	54,502	49,094	54,502
Block 3		974,801	4,797,879	974,801	4,797,879
Billed Sales (Dth)		1,024,403	4,852,963	1,024,403	4,852,963
Tariff Rates					
Block 1		\$ 120.3300	\$ 120.3300	\$ 250.0000	\$ 250.0000
Block 2		\$ 0.1657	\$ 0.1657	\$ 0.2071	\$ 0.2071
Block 3		\$ 0.1550	\$ 0.1550	\$ 0.1938	\$ 0.1938
Billed Margin (\$000)					
Block 1		\$ 73	\$ 76	\$ 150	\$ 156
Block 2		\$ 81	\$ 90	\$ 102	\$ 113
Block 3		\$ 1,511	\$ 7,437	\$ 1,889	\$ 9,296
Billed Delivery Rev		\$ 1,665	\$ 7,603	\$ 2,140	\$ 9,565
					\$ 11,705
4A (CNG)					
Cust		6	1	6	1
Block 1		60	-	60	-
Block 2		5,558	-	5,558	-
Block 3		524,441	-	524,441	-
Billed Sales (Dth)		530,058	-	530,058	-
Tariff Rates					
Block 1		\$ 120.3300	\$ 120.3300	\$ 250.0000	\$ 250.0000
Block 2		\$ 0.1657	\$ 0.1657	\$ 0.2071	\$ 0.2071
Block 3		\$ 0.1550	\$ 0.1550	\$ 0.1938	\$ 0.1938
Billed Margin (\$000)					
Block 1		\$ 9	\$ 1	\$ 18	\$ 3
Block 2		\$ 9	\$ -	\$ 12	\$ -
Block 3		\$ 813	\$ -	\$ 1,016	\$ -
Billed Delivery Rev		\$ 831	\$ 1	\$ 1,046	\$ 3
					\$ 1,049

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 1		Proposed Rates		Total Revenue = \$917,842,549		
		Sales	Transport	Total	Note	Sales	Transport	Total
4B	Cust	41	36	76		41	36	76
	Block 1	42	36	78		42	36	78
	Block 2	6,904	5,304	12,208		6,904	5,304	12,208
	Block 3	124,457	141,942	266,399		124,457	141,942	266,399
	Billed Sales (Dth)	131,403	147,282	278,685		131,403	147,282	278,685
	Tariff Rates							
	Block 1	\$ 99.5100	\$ 99.5100			\$ 130.0000	\$ 130.0000	
	Block 2	\$ 0.7389	\$ 0.7389			\$ 0.9270	\$ 0.9270	
	Block 3	\$ 0.2500	\$ 0.2500			\$ 0.3136	\$ 0.3136	
	Billed Margin (\$000)							
	Block 1	\$ 49	\$ 43	\$ 92		\$ 63	\$ 56	\$ 119
	Block 2	\$ 51	\$ 39	\$ 90		\$ 64	\$ 49	\$ 113
	Block 3	\$ 311	\$ 355	\$ 666		\$ 390	\$ 445	\$ 835
	Billed Delivery Rev	\$ 411	\$ 437	\$ 849		\$ 518	\$ 550	\$ 1,068
7	Cust	14	1	15		14	1	15
	Block 1	52	4	56		52	4	56
	Block 2	10,484	304	10,788		10,484	304	10,788
	Billed Sales (Dth)	10,537	308	10,845		10,537	308	10,845
	Tariff Rates							
	Block 1	\$ 39.5100	\$ 39.5100			\$ 39.5100	\$ 39.5100	
	Block 2	\$ 0.1787	\$ 0.1787			\$ 0.1787	\$ 0.1787	
	Billed Margin (\$000)							
	Block 1	\$ 7	\$ 1	\$ 7		\$ 7	\$ 1	\$ 7
	Block 2	\$ 19	\$ 1	\$ 19		\$ 19	\$ 1	\$ 19
	Billed Delivery Rev	\$ 26	\$ 1	\$ 27		\$ 26	\$ 1	\$ 27
FS	Cust	1,001,874	255,822	1,257,695		1,001,874	255,822	1,257,695
	Billed Sales (Dth)	87,226,690	61,562,384	148,789,074		87,226,690	61,562,384	148,789,074
	Billed Delivery Rev	\$ 485,140	\$ 210,773	\$ 695,913		\$ 590,953	\$ 265,290	\$ 856,243

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 1		Total Revenue = \$17,842,549	
		Current Rates		Proposed Rates	
		Sales	Transport	Sales	Transport
		Total		Total	
TC-C	Cust	96	36	96	36
	Billed Sales (Dth)	1,274,691	787,593	1,274,691	787,593
	Customers under	60	26	60	26
			Block 1 therms		Block 1 therms
			10		10
	Tariff Rates				
	Block 1-Under	\$ 189,7600	\$ 189,7600	\$ 300,0000	\$ 300,0000
	Block 1-Over	\$ 294,7400	\$ 294,7400	\$ 375,0000	\$ 375,0000
	Block 2	\$ 0,2000	\$ 0,2000	\$ 0,2702	\$ 0,2702
	Billed Margin (\$000)		Discount		Discount
			5.0%		0.0%
	Block 1	\$ 268	\$ 94	\$ 378	\$ 136
	Block 2	\$ 2,400	\$ 1,488	\$ 3,413	\$ 2,117
	Billed Delivery Rev	\$ 2,668	\$ 1,582	\$ 3,791	\$ 2,253
					\$ 6,044
	Cust	353	20	353	20
	Billed Sales (Dth)	3,650,912	69,386	3,650,912	69,386
	Customers under	170	1	170	1
			Block 1 therms		Block 1 therms
			10		10
	Tariff Rates				
	Block 1-Under	\$ 189,7600	\$ 189,7600	\$ 300,0000	\$ 300,0000
	Block 1-Over	\$ 294,7400	\$ 294,7400	\$ 375,0000	\$ 375,0000
	Block 2	\$ 0,2000	\$ 0,2000	\$ 0,2702	\$ 0,2702
	Billed Margin (\$000)		Discount		Discount
			5.0%		0.0%
	Block 1	\$ 1,049	\$ 72	\$ 1,436	\$ 91
	Block 2	\$ 6,856	\$ 127	\$ 9,750	\$ 181
	Billed Delivery Rev	\$ 7,905	\$ 199	\$ 11,186	\$ 272
					\$ 11,458
	Cust	2,263	300	2,263	300
	Billed Sales (Dth)	11,742,044	1,519,861	11,742,044	1,519,861
	Customers under	1,901	148	1,901	148
			Block 1 therms		Block 1 therms
			10		10
	Tariff Rates				
	Block 1-Under	\$ 189,7600	\$ 189,7600	\$ 300,0000	\$ 300,0000
	Block 1-Over	\$ 294,7400	\$ 294,7400	\$ 375,0000	\$ 375,0000
	Block 2	\$ 0,2000	\$ 0,2000	\$ 0,2571	\$ 0,2571
	Billed Margin (\$000)		Discount		Discount
			5.0%		0.0%
	Block 1	\$ 5,687	\$ 887	\$ 8,473	\$ 1,217
	Block 2	\$ 21,794	\$ 2,819	\$ 29,491	\$ 3,815
	Billed Delivery Rev	\$ 27,481	\$ 3,706	\$ 37,963	\$ 5,032
					\$ 42,995
	Cust	2,263	300	2,263	300
	Billed Sales (Dth)	11,742,044	1,519,861	11,742,044	1,519,861
	Customers under	1,901	148	1,901	148
			Block 1 therms		Block 1 therms
			10		10
	Tariff Rates				
	Block 1-Under	\$ 189,7600	\$ 189,7600	\$ 300,0000	\$ 300,0000
	Block 1-Over	\$ 294,7400	\$ 294,7400	\$ 375,0000	\$ 375,0000
	Block 2	\$ 0,2000	\$ 0,2000	\$ 0,2571	\$ 0,2571
	Billed Margin (\$000)		Discount		Discount
			5.0%		0.0%
	Block 1	\$ 5,687	\$ 887	\$ 8,473	\$ 1,217
	Block 2	\$ 21,794	\$ 2,819	\$ 29,491	\$ 3,815
	Billed Delivery Rev	\$ 27,481	\$ 3,706	\$ 37,963	\$ 5,032
					\$ 42,995

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 2			Total Revenue = \$1,056,105,749		
		L1 Rates		L2 Rates			
		Sales	Transport	Total	Sales	Transport	Total
		Note					
1B	Cust	461,811	111,988	573,798	461,811	111,988	573,798
	Block 1	1,650,157	403,770	2,053,927	1,650,157	403,770	2,053,927
	Block 2	19,372,511	4,922,729	24,295,240	19,372,511	4,922,729	24,295,240
	Block 3	36,147,634	9,949,520	46,097,154	36,147,634	9,949,520	46,097,154
	Billed Sales (Dth)	57,170,302	15,276,019	72,446,321	57,170,302	15,276,019	72,446,321
	Tariff Rates						
	Block 1	\$ 21.5500	\$ 21.5500		\$ 21.5500	\$ 21.5500	
	Block 2	\$ 0.7846	\$ 0.7846		\$ 0.9491	\$ 0.9491	
	Block 3	\$ 0.2780	\$ 0.2780		\$ 0.3363	\$ 0.3363	
	Billed Margin (\$000)						
	Block 1	\$ 119,424	\$ 28,960	\$ 148,384	\$ 119,424	\$ 28,960	\$ 148,384
	Block 2	\$ 151,997	\$ 38,624	\$ 190,620	\$ 183,864	\$ 46,722	\$ 230,586
	Block 3	\$ 100,490	\$ 27,660	\$ 128,150	\$ 121,564	\$ 33,460	\$ 155,025
	Billed Delivery Rev	\$ 371,911	\$ 95,243	\$ 467,155	\$ 424,853	\$ 109,142	\$ 533,995
1BR	Cust	30,810	10,576	41,386	30,810	10,576	41,386
	Block 1	110,106	38,116	148,222	110,106	38,116	148,222
	Block 2	1,293,098	453,533	1,746,631	1,293,098	453,533	1,746,631
	Block 3	2,283,747	724,990	3,008,737	2,283,747	724,990	3,008,737
	Billed Sales (Dth)	3,686,951	1,216,639	4,903,590	3,686,951	1,216,639	4,903,590
	Disc Blk 2	812,130	284,620		812,130	284,620	
	Tariff Rates						
	Block 1	\$ 21.5500	\$ 21.5500		\$ 21.5500	\$ 21.5500	
	Block 2	\$ 0.7846	\$ 0.7846		\$ 0.9491	\$ 0.9491	
	Block 3	\$ 0.2780	\$ 0.2780		\$ 0.3363	\$ 0.3363	
	Billed Margin (\$000)						
	Block 1	\$ 7,968	\$ 2,735	\$ 10,702	\$ 7,968	\$ 2,735	\$ 10,702
	Block 2	\$ 10,146	\$ 3,558	\$ 13,704	\$ 12,273	\$ 4,304	\$ 16,577
	Block 3	\$ 6,349	\$ 2,015	\$ 8,364	\$ 7,680	\$ 2,438	\$ 10,118
	Billed Delivery Rev	\$ 24,462	\$ 8,309	\$ 32,771	\$ 27,921	\$ 9,477	\$ 37,398
1B&1BR	Customers	492,621	122,563	615,184	492,621	122,563	615,184
	Billed Sales (Dth)	60,857,253	16,492,658	77,349,911	60,857,253	16,492,658	77,349,911
	Billed Delivery Rev	\$396,373	\$103,552	\$499,926	\$452,774	\$118,619	\$571,393

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 2			Total Revenue = \$1,056,105,749		
		L1 Rates		L2 Rates			
		Sales	Transport	Total	Sales	Transport	Total
1BDG							
	Cust	3	-	3	3	-	3
	Block 1	10	-	10	10	-	10
	Block 2	599	-	599	599	-	599
	Block 3	-	-	-	-	-	-
	Billed Sales (Dth)	610	-	610	610	-	610
	Tariff Rates						
	Block 1	\$ 32.9300			\$ 32.9300		
	Block 2	\$ 0.1360			\$ 0.1360		
	Billed Margin (\$000)						
	Block 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1
	Block 2	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1
	Billed Delivery Rev	\$ 2	\$ -	\$ 2	\$ 2	\$ -	\$ 2
3							
	Cust	10,612	8,434	19,046	10,612	8,434	19,046
	Block 1	38,009	30,380	68,389	38,009	30,380	68,389
	Block 2	5,114,663	5,953,290	11,067,953	5,114,663	5,953,290	11,067,953
	Block 3	2,889,257	18,882,717	21,771,973	2,889,257	18,882,717	21,771,973
	Billed Sales (Dth)	8,041,929	24,866,387	32,908,315	8,041,929	24,866,387	32,908,315
	Tariff Rates						
	Block 1	\$ 39.5100	\$ 39.5100		\$ 39.5100	\$ 39.5100	
	Block 2	\$ 0.3496	\$ 0.3496		\$ 0.3915	\$ 0.3915	
	Block 3	\$ 0.2571	\$ 0.2571		\$ 0.2879	\$ 0.2879	
	Billed Margin (\$000)						
	Block 1	\$ 5,031	\$ 3,999	\$ 9,030	\$ 5,031	\$ 3,999	\$ 9,030
	Block 2	\$ 17,881	\$ 20,813	\$ 38,694	\$ 20,024	\$ 23,307	\$ 43,331
	Block 3	\$ 7,428	\$ 48,547	\$ 55,976	\$ 8,318	\$ 54,363	\$ 62,682
	Billed Delivery Rev	\$ 30,341	\$ 73,359	\$ 103,699	\$ 33,373	\$ 81,669	\$ 115,043

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 2			Total Revenue = \$1,056,105,749		
		L1 Rates		L2 Rates			
		Sales	Transport	Total	Sales	Transport	Total
2-1							
	Cust	9,234	5,787	15,021	9,234	5,787	15,021
	Block 1	31,178	20,630	51,807	31,178	20,630	51,807
	Block 2	681,593	539,913	1,221,506	681,593	539,913	1,221,506
	Block 3	3,113,709	5,337,292	8,451,001	3,113,709	5,337,292	8,451,001
	Block 4	610,537	2,708,257	3,318,795	610,537	2,708,257	3,318,795
	Billed Sales (Dth)	4,437,017	8,606,092	13,043,109	4,437,017	8,606,092	13,043,109
	Tariff Rates						
	Block 1	\$ 37.5500	\$ 37.5500		\$ 37.5500	\$ 37.5500	
	Block 2	\$ 0.4761	\$ 0.4761		\$ 0.5627	\$ 0.5627	
	Block 3	\$ 0.3287	\$ 0.3287		\$ 0.3885	\$ 0.3885	
	Block 4	\$ 0.1972	\$ 0.1972		\$ 0.2331	\$ 0.2331	
	Billed Margin (\$000)						
	Block 1	\$ 4,161	\$ 2,608	\$ 6,768	\$ 4,161	\$ 2,608	\$ 6,768
	Block 2	\$ 3,245	\$ 2,571	\$ 5,816	\$ 3,835	\$ 3,038	\$ 6,873
	Block 3	\$ 10,235	\$ 17,544	\$ 27,778	\$ 12,097	\$ 20,735	\$ 32,832
	Block 4	\$ 1,204	\$ 5,341	\$ 6,545	\$ 1,423	\$ 6,313	\$ 7,736
	Billed Delivery Rev	\$ 18,845	\$ 28,063	\$ 46,907	\$ 21,516	\$ 32,694	\$ 54,210
2-2							
	Cust	27,252	9,605	36,857	27,252	9,605	36,857
	Block 1	78,097	28,545	106,642	78,097	28,545	106,642
	Block 2	1,372,736	563,607	1,936,343	1,372,736	563,607	1,936,343
	Block 3	4,885,356	3,329,533	8,214,889	4,885,356	3,329,533	8,214,889
	Block 4	2,450,835	1,839,205	4,290,040	2,450,835	1,839,205	4,290,040
	Billed Sales (Dth)	8,787,023	5,760,890	14,547,914	8,787,023	5,760,890	14,547,914
	Tariff Rates						
	Block 1	\$ 37.5500	\$ 37.5500		\$ 37.5500	\$ 37.5500	
	Block 2	\$ 0.4893	\$ 0.4893		\$ 0.5848	\$ 0.5848	
	Block 3	\$ 0.4054	\$ 0.4054		\$ 0.4845	\$ 0.4845	
	Block 4	\$ 0.2702	\$ 0.2702		\$ 0.3229	\$ 0.3229	
	Billed Margin (\$000)						
	Block 1	\$ 12,280	\$ 4,328	\$ 16,608	\$ 12,280	\$ 4,328	\$ 16,608
	Block 2	\$ 6,717	\$ 2,758	\$ 9,475	\$ 8,028	\$ 3,296	\$ 11,324
	Block 3	\$ 19,805	\$ 13,498	\$ 33,303	\$ 23,670	\$ 16,132	\$ 39,801
	Block 4	\$ 6,622	\$ 4,970	\$ 11,592	\$ 7,914	\$ 5,939	\$ 13,853
	Billed Delivery Rev	\$ 45,424	\$ 25,553	\$ 70,977	\$ 51,891	\$ 29,694	\$ 81,585
2							
	Cust	36,486	15,392	51,878	36,486	15,392	51,878
	Billed Sales (Dth)	13,224,040	14,366,983	27,591,023	13,224,040	14,366,983	27,591,023
	Billed Delivery Rev	\$64,268	\$53,616	\$117,884	\$73,407	\$62,388	\$135,795

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 2				Total Revenue = \$1,056,105,749					
		L1 Rates		L2 Rates		Sales		Transport		Total	
		Sales	Transport	Sales	Transport	Sales	Transport	Sales	Transport	Sales	Transport
4A (Ex.I.CNG)	Cust	50	53	50	53	50	53	50	53	103	103
	Block 1	509	593	509	593	509	593	509	593	1,102	1,102
	Block 2	49,162	55,446	49,162	55,446	49,162	55,446	49,162	55,446	104,608	104,608
	Block 3	968,090	4,842,730	968,090	4,842,730	968,090	4,842,730	968,090	4,842,730	5,810,820	5,810,820
	Billed Sales (Dth)	1,017,761	4,898,769	1,017,761	4,898,769	1,017,761	4,898,769	1,017,761	4,898,769	5,916,530	5,916,530
	Tariff Rates										
	Block 1	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000		
	Block 2	\$ 0.2071	\$ 0.2071	\$ 0.2071	\$ 0.2071	\$ 0.2386	\$ 0.2386	\$ 0.2386	\$ 0.2386	115%	115%
	Block 3	\$ 0.1938	\$ 0.1938	\$ 0.1938	\$ 0.1938	\$ 0.2232	\$ 0.2232	\$ 0.2232	\$ 0.2232	115%	115%
	Billed Margin (\$000)										
	Block 1	\$ 150	\$ 159	\$ 150	\$ 159	\$ 150	\$ 159	\$ 150	\$ 159	\$ 309	\$ 309
	Block 2	\$ 102	\$ 115	\$ 102	\$ 115	\$ 117	\$ 132	\$ 117	\$ 132	\$ 250	\$ 250
	Block 3	\$ 1,876	\$ 9,383	\$ 1,876	\$ 9,383	\$ 2,161	\$ 10,809	\$ 2,161	\$ 10,809	\$ 12,970	\$ 12,970
	Billed Delivery Rev	\$ 2,128	\$ 9,657	\$ 2,128	\$ 9,657	\$ 2,428	\$ 11,100	\$ 2,428	\$ 11,100	\$ 13,528	\$ 13,528
	4A (CNG)										
	Cust	6	1	6	1	6	1	6	1	7	7
	Block 1	60	-	60	-	60	-	60	-	60	60
	Block 2	5,555	-	5,555	-	5,555	-	5,555	-	5,555	5,555
	Block 3	520,204	-	520,204	-	520,204	-	520,204	-	520,204	520,204
	Billed Sales (Dth)	525,818	-	525,818	-	525,818	-	525,818	-	525,818	525,818
	Tariff Rates										
	Block 1	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000		
	Block 2	\$ 0.2071	\$ 0.2071	\$ 0.2071	\$ 0.2071	\$ 0.2386	\$ 0.2386	\$ 0.2386	\$ 0.2386	115%	115%
	Block 3	\$ 0.1938	\$ 0.1938	\$ 0.1938	\$ 0.1938	\$ 0.2232	\$ 0.2232	\$ 0.2232	\$ 0.2232	115%	115%
	Billed Margin (\$000)										
	Block 1	\$ 18	\$ 3	\$ 18	\$ 3	\$ 18	\$ 3	\$ 18	\$ 3	\$ 21	\$ 21
	Block 2	\$ 12	\$ -	\$ 12	\$ -	\$ 13	\$ -	\$ 13	\$ -	\$ 13	\$ 13
	Block 3	\$ 1,008	\$ -	\$ 1,008	\$ -	\$ 1,161	\$ -	\$ 1,161	\$ -	\$ 1,161	\$ 1,161
	Billed Delivery Rev	\$ 1,037	\$ 3	\$ 1,037	\$ 3	\$ 1,192	\$ 3	\$ 1,192	\$ 3	\$ 1,195	\$ 1,195

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 2				Total Revenue = \$1,056,105,749				
		L1 Rates		L2 Rates		Note		Total		
		Sales	Transport	Sales	Transport			Sales	Transport	Total
4B	Cust	42	37	42	37			42	37	79
	Block 1	43	38	43	38			43	38	81
	Block 2	7,067	5,498	7,067	5,498			7,067	5,498	12,565
	Block 3	126,424	145,996	126,424	145,996			126,424	145,996	272,420
	Billed Sales (Dth)	133,534	151,532	133,534	151,532			133,534	151,532	285,066
	Tariff Rates									
	Block 1	\$ 130,0000	\$ 130,0000	\$ 130,0000	\$ 130,0000			\$ 130,0000	\$ 130,0000	
	Block 2	\$ 0.9270	\$ 0.9270	\$ 0.9270	\$ 0.9270			\$ 0.9270	\$ 0.9270	
	Block 3	\$ 0.3136	\$ 0.3136	\$ 0.3136	\$ 0.3136			\$ 0.3136	\$ 0.3136	
	Billed Margin (\$000)									
	Block 1	\$ 65	\$ 58	\$ 65	\$ 58			\$ 65	\$ 58	\$ 123
	Block 2	\$ 66	\$ 51	\$ 66	\$ 51			\$ 66	\$ 51	\$ 116
	Block 3	\$ 396	\$ 458	\$ 396	\$ 458			\$ 396	\$ 458	\$ 854
	Billed Delivery Rev	\$ 527	\$ 567	\$ 527	\$ 567			\$ 527	\$ 567	\$ 1,094
7	Cust	16	2	16	2			16	2	18
	Block 1	59	7	59	7			59	7	66
	Block 2	11,770	556	11,770	556			11,770	556	12,326
	Billed Sales (Dth)	11,828	563	11,828	563			11,828	563	12,391
	Tariff Rates									
	Block 1	\$ 39.5100	\$ 39.5100	\$ 39.5100	\$ 39.5100			\$ 39.5100	\$ 39.5100	
	Block 2	\$ 0.1787	\$ 0.1787	\$ 0.1787	\$ 0.1787			\$ 0.1787	\$ 0.1787	
	Billed Margin (\$000)									
	Block 1	\$ 8	\$ 1	\$ 8	\$ 1			\$ 8	\$ 1	\$ 9
	Block 2	\$ 21	\$ 1	\$ 21	\$ 1			\$ 21	\$ 1	\$ 22
	Billed Delivery Rev	\$ 29	\$ 2	\$ 29	\$ 2			\$ 29	\$ 2	\$ 31
FS	Cust	1,006,826	257,642	1,006,826	257,642			1,006,826	257,642	1,264,467
	Billed Sales (Dth)	87,720,346	63,088,417	87,720,346	63,088,417			87,720,346	63,088,417	150,808,763
	Billed Delivery Rev	\$ 595,026	\$ 270,617	\$ 595,026	\$ 270,617			\$ 595,026	\$ 270,617	\$ 865,642

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 2				Total Revenue = \$1,056,105,749			
		L1 Rates		L2 Rates		L1 Rates		L2 Rates	
		Sales	Transport	Total	Note	Sales	Transport	Total	
TC-C	Cust	96	36	132		96	36	132	
	Billed Sales (Dth)	1,200,275	766,329	1,966,604		1,200,275	766,329	1,966,604	
	Customers under	60	26	86		60	26	86	
			Block 1 therms	10			Block 1 therms	10	
	Tariff Rates								
	Block 1-Under	\$ 300,000	\$ 300,000			\$ 300,000	\$ 300,000		
	Block 1-Over	\$ 375,000	\$ 375,000			\$ 375,000	\$ 375,000		
	Block 2	\$ 0.2702	\$ 0.2702			\$ 0.3229	\$ 0.3229		
			Discount	0.0%	Input		Discount	0.0%	
	Billed Margin (\$000)								
	Block 1	\$ 378	\$ 136	\$ 514		\$ 378	\$ 136	\$ 514	
	Block 2	\$ 3,212	\$ 2,059	\$ 5,271		\$ 3,838	\$ 2,461	\$ 6,299	
	Billed Delivery Rev	\$ 3,590	\$ 2,195	\$ 5,785		\$ 4,216	\$ 2,597	\$ 6,814	
TC-G	Cust	353	20	373		353	20	373	
	Billed Sales (Dth)	3,516,775	56,585	3,573,359		3,516,775	56,585	3,573,359	
	Customers under	170	1	171		170	1	171	
			Block 1 therms	10			Block 1 therms	10	
	Tariff Rates								
	Block 1-Under	\$ 300,000	\$ 300,000			\$ 300,000	\$ 300,000		
	Block 1-Over	\$ 375,000	\$ 375,000			\$ 375,000	\$ 375,000		
	Block 2	\$ 0.2702	\$ 0.2702			\$ 0.3229	\$ 0.3229		
			Discount	0.0%			Discount	0.0%	
	Billed Margin (\$000)								
	Block 1	\$ 1,436	\$ 91	\$ 1,526		\$ 1,436	\$ 91	\$ 1,526	
	Block 2	\$ 9,388	\$ 146	\$ 9,534		\$ 11,219	\$ 175	\$ 11,394	
	Billed Delivery Rev	\$ 10,823	\$ 237	\$ 11,061		\$ 12,654	\$ 266	\$ 12,920	
TC-M	Cust	2,263	300	2,563		2,263	300	2,563	
	Billed Sales (Dth)	11,691,813	1,422,731	13,114,544		11,691,813	1,422,731	13,114,544	
	Customers under	1,901	148	2,049		1,901	148	2,049	
			Block 1 therms	10			Block 1 therms	10	
	Tariff Rates								
	Block 1-Under	\$ 300,000	\$ 300,000			\$ 300,000	\$ 300,000		
	Block 1-Over	\$ 375,000	\$ 375,000			\$ 375,000	\$ 375,000		
	Block 2	\$ 0.2571	\$ 0.2571			\$ 0.2879	\$ 0.2879		
			Discount	0.0%			Discount	0.0%	
	Billed Margin (\$000)								
	Block 1	\$ 8,473	\$ 1,217	\$ 9,689		\$ 8,473	\$ 1,217	\$ 9,689	
	Block 2	\$ 29,361	\$ 3,565	\$ 32,927		\$ 32,883	\$ 3,993	\$ 36,876	
	Billed Delivery Rev	\$ 37,834	\$ 4,782	\$ 42,616		\$ 41,356	\$ 5,210	\$ 46,566	

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 3		Total Revenue = \$1,220,063,064		
		L2 Rates		L3 Rates		
		Sales	Transport	Sales	Transport	
		Total	Total	Total	Total	
1A	Cust	450,985	105,444	450,985	105,444	556,429
	Block 1	1,042,145	308,825	1,042,145	308,825	1,350,971
	Block 2	1,772,545	731,161	1,772,545	731,161	2,503,705
	Block 3	954,575	1,218,894	954,575	1,218,894	2,173,469
	Billed Sales (Dth)	3,769,265	2,258,880	3,769,265	2,258,880	6,028,145
	Tariff Rates					
	Block 1	\$ 15.5400	\$ 15.5400	\$ 16.2500	\$ 16.2500	
	Block 2	\$ 1.1920	\$ 1.1920	\$ 1.7273	\$ 1.7273	
	Block 3	\$ 0.5307	\$ 0.5307	\$ 0.7690	\$ 0.7690	
	Billed Margin (\$000)					
	Block 1	\$ 84,100	\$ 19,663	\$ 20,562	\$ 20,562	\$ 108,504
	Block 2	\$ 21,129	\$ 8,715	\$ 12,629	\$ 12,629	\$ 43,247
	Block 3	\$ 5,066	\$ 6,469	\$ 9,373	\$ 9,373	\$ 16,714
	Billed Delivery Rev	\$110,294	\$34,847	\$125,900	\$42,564	\$168,464
1AR	Cust	15,588	5,615	15,588	5,615	21,203
	Block 1	36,239	12,065	36,239	12,065	48,303
	Block 2	62,236	17,153	62,236	17,153	79,389
	Block 3	36,319	21,350	36,319	21,350	57,670
	Billed Sales (Dth)	134,794	50,568	134,794	50,568	185,362
	Tariff Rates					
	Block 1	\$ 15.5400	\$ 15.5400	\$ 16.2500	\$ 16.2500	
	Block 2	\$ 1.1920	\$ 1.1920	\$ 1.7273	\$ 1.7273	
	Block 3	\$ 0.5307	\$ 0.5307	\$ 0.7690	\$ 0.7690	
	Billed Margin (\$000)					
	Block 1	\$ 2,907	\$ 1,047	\$ 1,095	\$ 1,095	\$ 4,135
	Block 2	\$ 742	\$ 204	\$ 296	\$ 296	\$ 1,371
	Block 3	\$ 193	\$ 113	\$ 164	\$ 164	\$ 443
	Billed Delivery Rev	\$ 3,841	\$ 1,365	\$ 4,394	\$ 1,555	\$ 5,949
1A&1AR	Customers	466,573	111,060	466,573	111,060	577,632
	Billed Sales (Dth)	3,904,059	2,309,448	3,904,059	2,309,448	6,213,507
	Billed Delivery Rev	\$114,136	\$36,212	\$130,294	\$44,120	\$174,414

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 3		Total Revenue = \$1,220,063,064		
		L2 Rates		L3 Rates		
		Sales	Transport	Sales	Transport	
		Total	Total	Total	Total	
1B	Cust	466,525	113,131	466,525	113,131	579,656
	Block 1	1,667,001	407,892	1,667,001	407,892	2,074,893
	Block 2	19,570,233	4,972,972	19,570,233	4,972,972	24,543,205
	Block 3	36,516,627	10,051,083	36,516,627	10,051,083	46,567,710
	Billed Sales (Dth)	57,753,861	15,431,948	57,753,861	15,431,948	73,185,808
	Tariff Rates					
	Block 1	\$ 21,5500	\$ 21,5500	\$ 21,5500	\$ 21,5500	
	Block 2	\$ 0.9491	\$ 0.9491	\$ 1.1429	\$ 1.1429	
	Block 3	\$ 0.3363	\$ 0.3363	\$ 0.4050	\$ 0.4050	
	Billed Margin (\$000)					
	Block 1	\$ 120,643	\$ 29,256	\$ 120,643	\$ 29,256	\$ 149,899
	Block 2	\$ 185,741	\$ 47,198	\$ 223,668	\$ 56,836	\$ 280,504
	Block 3	\$ 122,805	\$ 33,802	\$ 147,892	\$ 40,707	\$ 188,599
	Billed Delivery Rev	\$ 429,190	\$ 110,256	\$ 492,204	\$ 126,799	\$ 619,002
1BR	Cust	31,125	10,683	31,125	10,683	41,808
	Block 1	111,230	38,505	111,230	38,505	149,735
	Block 2	1,306,296	458,162	1,306,296	458,162	1,764,458
	Block 3	2,307,060	732,391	2,307,060	732,391	3,039,450
	Billed Sales (Dth)	3,724,586	1,229,057	3,724,586	1,229,057	4,953,643
	Disc Blk 2	820,416	287,524	820,416	287,524	
	Tariff Rates					
	Block 1	\$ 21,5500	\$ 21,5500	\$ 21,5500	\$ 21,5500	
	Block 2	\$ 0.9491	\$ 0.9491	\$ 1.1429	\$ 1.1429	
	Block 3	\$ 0.3363	\$ 0.3363	\$ 0.4050	\$ 0.4050	
	Billed Margin (\$000)					
	Block 1	\$ 8,049	\$ 2,763	\$ 8,049	\$ 2,763	\$ 10,812
	Block 2	\$ 12,398	\$ 4,348	\$ 14,930	\$ 5,236	\$ 20,166
	Block 3	\$ 7,759	\$ 2,463	\$ 9,344	\$ 2,966	\$ -
	Billed Delivery Rev	\$ 28,206	\$ 9,574	\$ 32,322	\$ 10,965	\$ 43,287
1B&1BR	Customers	497,649	123,814	497,649	123,814	621,464
	Billed Sales (Dth)	61,478,446	16,661,005	61,478,446	16,661,005	78,139,451
	Billed Delivery Rev	\$457,395	\$119,830	\$524,526	\$137,764	\$662,290

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 3		Total Revenue = \$1,220,063,064	
		L2 Rates		L3 Rates	
		Sales	Transport	Sales	Transport
		Total		Total	
				Note	Total
1BDG	Cust	3	-	3	3
	Block 1	10	-	10	10
	Block 2	599	-	599	599
	Block 3	-	-	-	-
	Billed Sales (Dth)	610	-	610	610
	Tariff Rates				
	Block 1	\$ 32.9300		\$ 32.9300	
	Block 2	\$ 0.1360		\$ 0.1360	
	Billed Margin (\$000)				
	Block 1	\$ 1	\$ -	\$ 1	\$ -
	Block 2	\$ 1	\$ -	\$ 1	\$ -
	Billed Delivery Rev	\$ 2	\$ -	\$ 2	\$ -
3	Cust	10,616	8,945	10,616	19,561
	Block 1	38,022	32,218	38,022	70,241
	Block 2	5,082,264	6,290,653	5,082,264	11,372,917
	Block 3	2,850,621	19,996,106	2,850,621	22,846,727
	Billed Sales (Dth)	7,970,908	26,318,977	7,970,908	34,289,885
	Tariff Rates				
	Block 1	\$ 39.5100	\$ 39.5100	\$ 39.5100	\$ 39.5100
	Block 2	\$ 0.3915	\$ 0.3915	\$ 0.4404	\$ 0.4404
	Block 3	\$ 0.2879	\$ 0.2879	\$ 0.3238	\$ 0.3238
	Billed Margin (\$000)				
	Block 1	\$ 5,033	\$ 4,241	\$ 5,033	\$ 4,241
	Block 2	\$ 19,897	\$ 24,628	\$ 22,382	\$ 27,704
	Block 3	\$ 8,207	\$ 57,569	\$ 9,230	\$ 64,747
	Billed Delivery Rev	\$ 33,137	\$ 86,438	\$ 36,646	\$ 96,692
					\$ 133,338

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 3			Total Revenue = \$1,220,063,064		
		L2 Rates		L3 Rates			
		Sales	Transport	Total	Sales	Transport	Total
2-1							
	Cust	9,413	5,873	15,285	9,413	5,873	15,285
	Block 1	31,776	20,934	52,710	31,776	20,934	52,710
	Block 2	694,480	547,911	1,242,391	694,480	547,911	1,242,391
	Block 3	3,171,471	5,422,263	8,593,733	3,171,471	5,422,263	8,593,733
	Block 4	616,934	2,751,652	3,368,585	616,934	2,751,652	3,368,585
	Billed Sales (Dth)	4,514,660	8,742,759	13,257,420	4,514,660	8,742,759	13,257,420
	Tariff Rates						
	Block 1	\$ 37.5500	\$ 37.5500		\$ 37.5500	\$ 37.5500	
	Block 2	\$ 0.5627	\$ 0.5627		\$ 0.6527	\$ 0.6527	
	Block 3	\$ 0.3885	\$ 0.3885		\$ 0.4506	\$ 0.4506	
	Block 4	\$ 0.2331	\$ 0.2331		\$ 0.2704	\$ 0.2704	
	Billed Margin (\$000)						
	Block 1	\$ 4,241	\$ 2,646	\$ 6,887	\$ 4,241	\$ 2,646	\$ 6,887
	Block 2	\$ 3,908	\$ 3,083	\$ 6,991	\$ 4,533	\$ 3,576	\$ 8,109
	Block 3	\$ 12,321	\$ 21,065	\$ 33,387	\$ 14,291	\$ 24,433	\$ 38,723
	Block 4	\$ 1,438	\$ 6,414	\$ 7,852	\$ 1,668	\$ 7,440	\$ 9,109
	Billed Delivery Rev	\$ 21,908	\$ 33,209	\$ 55,117	\$ 24,733	\$ 38,096	\$ 62,829
2-2							
	Cust	27,490	9,692	37,182	27,490	9,692	37,182
	Block 1	78,549	28,784	107,333	78,549	28,784	107,333
	Block 2	1,379,258	567,249	1,946,506	1,379,258	567,249	1,946,506
	Block 3	4,925,060	3,350,540	8,275,600	4,925,060	3,350,540	8,275,600
	Block 4	2,481,352	1,854,422	4,335,774	2,481,352	1,854,422	4,335,774
	Billed Sales (Dth)	8,864,218	5,800,994	14,665,212	8,864,218	5,800,994	14,665,212
	Tariff Rates						
	Block 1	\$ 37.5500	\$ 37.5500		\$ 37.5500	\$ 37.5500	
	Block 2	\$ 0.5848	\$ 0.5848		\$ 0.6949	\$ 0.6949	
	Block 3	\$ 0.4845	\$ 0.4845		\$ 0.5757	\$ 0.5757	
	Block 4	\$ 0.3229	\$ 0.3229		\$ 0.3837	\$ 0.3837	
	Billed Margin (\$000)						
	Block 1	\$ 12,387	\$ 4,367	\$ 16,754	\$ 12,387	\$ 4,367	\$ 16,754
	Block 2	\$ 8,066	\$ 3,317	\$ 11,383	\$ 9,584	\$ 3,942	\$ 13,526
	Block 3	\$ 23,862	\$ 16,233	\$ 40,095	\$ 28,354	\$ 19,289	\$ 47,643
	Block 4	\$ 8,012	\$ 5,988	\$ 14,000	\$ 9,521	\$ 7,115	\$ 16,636
	Billed Delivery Rev	\$ 52,327	\$ 29,906	\$ 82,233	\$ 59,846	\$ 34,714	\$ 94,559
2							
	Cust	36,902	15,565	52,467	36,902	15,565	52,467
	Billed Sales (Dth)	13,378,879	14,543,753	27,922,632	13,378,879	14,543,753	27,922,632
	Billed Delivery Rev	\$74,235	\$63,115	\$137,350	\$84,579	\$72,809	\$157,388

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 3		Total Revenue = \$1,220,063,064	
		L2 Rates		L3 Rates	
		Sales	Transport	Sales	Transport
		Total		Total	
				Note	
4A (Exl.CNG) Cust					
Block 1	50	54	104	50	54
Block 2	509	604	1,113	509	604
Block 3	49,150	56,472	105,622	49,150	56,472
Billed Sales (Dth)	959,960	4,894,192	5,854,153	959,960	4,894,192
	1,009,619	4,951,269	5,960,888	1,009,619	4,951,269
Tariff Rates					
Block 1	\$ 250,000	\$ 250,000		\$ 250,000	\$ 250,000
Block 2	\$ 0.2386	\$ 0.2386		\$ 0.2756	\$ 0.2756
Block 3	\$ 0.2232	\$ 0.2232		\$ 0.2578	\$ 0.2578
Billed Margin (\$000)					
Block 1	\$ 150	\$ 162	\$ 312	\$ 150	\$ 162
Block 2	\$ 117	\$ 135	\$ 252	\$ 135	\$ 156
Block 3	\$ 2,143	\$ 10,924	\$ 13,066	\$ 2,475	\$ 12,617
Billed Delivery Rev	\$ 2,410	\$ 11,221	\$ 13,630	\$ 2,760	\$ 12,935
					\$ 15,695
4A (CNG) Cust					
Block 1	6	1	7	6	1
Block 2	60	-	60	60	-
Block 3	5,551	-	5,551	5,551	-
Billed Sales (Dth)	516,001	-	516,001	516,001	-
	521,611	-	521,611	521,611	-
Tariff Rates					
Block 1	\$ 250,000	\$ 250,000		\$ 250,000	\$ 250,000
Block 2	\$ 0.2386	\$ 0.2386		\$ 0.2756	\$ 0.2756
Block 3	\$ 0.2232	\$ 0.2232		\$ 0.2578	\$ 0.2578
Billed Margin (\$000)					
Block 1	\$ 18	\$ 3	\$ 21	\$ 18	\$ 3
Block 2	\$ 13	\$ -	\$ 13	\$ 15	\$ -
Block 3	\$ 1,152	\$ -	\$ 1,152	\$ 1,330	\$ -
Billed Delivery Rev	\$ 1,183	\$ 3	\$ 1,186	\$ 1,364	\$ 3
					\$ 1,367

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 3			Total Revenue = \$1,220,063,064		
		L2 Rates		L3 Rates			
		Sales	Transport	Total	Sales	Transport	Total
4B	Cust	43	39	81	43	39	81
	Block 1	44	39	83	44	39	83
	Block 2	7,230	5,705	12,935	7,230	5,705	12,935
	Block 3	128,349	150,529	278,879	128,349	150,529	278,879
	Billed Sales (Dth)	135,624	156,273	291,897	135,624	156,273	291,897
	Tariff Rates						
	Block 1	\$ 130,0000	\$ 130,0000		\$ 130,0000	\$ 130,0000	
	Block 2	\$ 1,0599	\$ 1,0599		\$ 1,2139	\$ 1,2139	
	Block 3	\$ 0,3586	\$ 0,3586		\$ 0,4107	\$ 0,4107	
	Billed Margin (\$000)						
	Block 1	\$ 67	\$ 60	\$ 127	\$ 67	\$ 60	\$ 127
	Block 2	\$ 77	\$ 60	\$ 137	\$ 88	\$ 69	\$ 157
	Block 3	\$ 460	\$ 540	\$ 1,000	\$ 527	\$ 618	\$ 1,145
	Billed Delivery Rev	\$ 603	\$ 660	\$ 1,264	\$ 681	\$ 748	\$ 1,429
7	Cust	18	2	20	18	2	20
	Block 1	66	7	73	66	7	73
	Block 2	13,163	558	13,721	13,163	558	13,721
	Billed Sales (Dth)	13,229	566	13,794	13,229	566	13,794
	Tariff Rates						
	Block 1	\$ 39,5100	\$ 39,5100		\$ 39,5100	\$ 39,5100	
	Block 2	\$ 0,1787	\$ 0,1787		\$ 0,1787	\$ 0,1787	
	Billed Margin (\$000)						
	Block 1	\$ 9	\$ 1	\$ 10	\$ 9	\$ 1	\$ 10
	Block 2	\$ 24	\$ 1	\$ 25	\$ 24	\$ 1	\$ 25
	Billed Delivery Rev	\$ 32	\$ 2	\$ 34	\$ 32	\$ 2	\$ 34
FS	Cust	1,011,860	259,479	1,271,339	1,011,860	259,479	1,271,339
	Billed Sales (Dth)	88,412,984	64,941,291	153,354,275	88,412,984	64,941,291	153,354,275
	Billed Delivery Rev	\$ 683,134	\$ 317,480	\$ 1,000,615	\$ 780,884	\$ 365,072	\$ 1,145,956

The Brooklyn Union Gas Company d/b/a National Grid NY

		Proposed Delivery Rates Rate Year 3		Total Revenue = \$1,220,063,064	
		L2 Rates		L3 Rates	
	Sales	Transport	Total	Note	Total
TC-C					
Cust	96	36	132		132
Billed Sales (Dth)	1,123,429	727,429	1,850,858		1,850,858
Customers under	60	26	86		86
		Block 1 therms	10		10
Tariff Rates					
Block 1-Under	\$ 300,000	\$ 300,000			
Block 1-Over	\$ 375,000	\$ 375,000			
Block 2	\$ 0.3229	\$ 0.3229			
		Discount	0.0%		0.0%
Billed Margin (\$000)					
Block 1	\$ 378	\$ 136	\$ 514		\$ 514
Block 2	\$ 3,590	\$ 2,335	\$ 5,925		\$ 7,041
Billed Delivery Rev	\$ 3,968	\$ 2,471	\$ 6,440		\$ 7,556
TC-G					
Cust	353	20	373		373
Billed Sales (Dth)	3,529,544	37,999	3,567,544		3,567,544
Customers under	170	1	171		171
		Block 1 therms	10		10
Tariff Rates					
Block 1-Under	\$ 300,000	\$ 300,000			
Block 1-Over	\$ 375,000	\$ 375,000			
Block 2	\$ 0.3229	\$ 0.3229			
		Discount	0.0%		0.0%
Billed Margin (\$000)					
Block 1	\$ 1,436	\$ 91	\$ 1,526		\$ 1,526
Block 2	\$ 11,260	\$ 115	\$ 11,375		\$ 13,517
Billed Delivery Rev	\$ 12,696	\$ 206	\$ 12,901		\$ 15,043
TC-M					
Cust	2,263	300	2,563		2,563
Billed Sales (Dth)	11,554,459	1,325,928	12,880,387		12,880,387
Customers under	1,901	148	2,049		2,049
		Block 1 therms	10		10
Tariff Rates					
Block 1-Under	\$ 300,000	\$ 300,000			
Block 1-Over	\$ 375,000	\$ 375,000			
Block 2	\$ 0.2879	\$ 0.2879			
		Discount	0.0%		0.0%
Billed Margin (\$000)					
Block 1	\$ 8,473	\$ 1,217	\$ 9,689		\$ 9,689
Block 2	\$ 32,488	\$ 3,714	\$ 36,202		\$ 40,716
Billed Delivery Rev	\$ 40,961	\$ 4,931	\$ 45,892		\$ 50,405

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1A - Residential Non Heat

Therm Usage	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
0	\$15.19	\$16.42	\$1.24	8.14%	\$0.00	\$0.00	\$0.00	0.00%	\$15.19	\$16.42	\$1.24	8.14%	
3	\$15.72	\$16.47	\$0.75	4.77%	\$1.31	\$1.30	-\$0.01	-0.62%	\$17.03	\$17.77	\$0.74	4.36%	
5	\$16.78	\$18.15	\$1.37	8.17%	\$2.18	\$2.17	-\$0.01	-0.62%	\$18.96	\$20.32	\$1.36	7.16%	
7	\$17.84	\$19.83	\$1.99	11.16%	\$3.05	\$3.04	-\$0.02	-0.62%	\$20.89	\$22.86	\$1.97	9.44%	
Typical	10	\$19.42	\$22.35	\$2.92	15.04%	\$4.36	\$4.34	-\$0.03	-0.62%	\$23.79	\$26.68	\$2.89	12.17%
	15	\$22.07	\$26.55	\$4.47	20.26%	\$6.55	\$6.50	-\$0.04	-0.62%	\$28.62	\$33.05	\$4.43	15.49%
	20	\$24.72	\$30.75	\$6.02	24.37%	\$8.73	\$8.67	-\$0.05	-0.62%	\$33.45	\$39.42	\$5.97	17.85%
	25	\$27.37	\$34.95	\$7.57	27.67%	\$10.91	\$10.84	-\$0.07	-0.62%	\$38.28	\$45.79	\$7.51	19.61%
	30	\$30.02	\$39.15	\$9.13	30.40%	\$13.09	\$13.01	-\$0.08	-0.62%	\$43.11	\$52.15	\$9.05	20.98%
	35	\$32.67	\$43.35	\$10.68	32.68%	\$15.27	\$15.18	-\$0.09	-0.62%	\$47.94	\$58.52	\$10.58	22.07%
	40	\$35.32	\$47.55	\$12.23	34.62%	\$17.45	\$17.35	-\$0.11	-0.62%	\$52.77	\$64.89	\$12.12	22.97%
	45	\$37.97	\$51.74	\$13.78	36.29%	\$19.64	\$19.51	-\$0.12	-0.62%	\$57.60	\$71.26	\$13.66	23.71%
	50	\$40.61	\$55.94	\$15.33	37.75%	\$21.82	\$21.68	-\$0.13	-0.62%	\$62.43	\$77.63	\$15.20	24.34%
	55	\$42.28	\$57.86	\$15.57	36.83%	\$24.00	\$23.85	-\$0.15	-0.62%	\$66.28	\$81.71	\$15.42	23.27%
	60	\$43.95	\$59.77	\$15.81	35.98%	\$26.18	\$26.02	-\$0.16	-0.62%	\$70.13	\$85.79	\$15.65	22.32%
	65	\$45.62	\$61.68	\$16.05	35.19%	\$28.36	\$28.19	-\$0.18	-0.62%	\$73.99	\$89.87	\$15.88	21.46%
	70	\$47.29	\$63.59	\$16.30	34.46%	\$30.54	\$30.36	-\$0.19	-0.62%	\$77.84	\$93.95	\$16.11	20.69%
	75	\$48.96	\$65.50	\$16.54	33.77%	\$32.73	\$32.52	-\$0.20	-0.62%	\$81.69	\$98.02	\$16.34	20.00%
	80	\$50.63	\$67.41	\$16.78	33.14%	\$34.91	\$34.69	-\$0.22	-0.62%	\$85.54	\$102.10	\$16.56	19.36%
	85	\$52.30	\$69.32	\$17.02	32.54%	\$37.09	\$36.86	-\$0.23	-0.62%	\$89.39	\$106.18	\$16.79	18.78%
	90	\$53.97	\$71.24	\$17.26	31.98%	\$39.27	\$39.03	-\$0.24	-0.62%	\$93.24	\$110.26	\$17.02	18.25%
	100	\$57.31	\$75.06	\$17.74	30.96%	\$43.63	\$43.36	-\$0.27	-0.62%	\$100.95	\$118.42	\$17.47	17.31%
Current					Proposed					Difference	Change		
First 3 or Less					\$13.74					\$0.96	6.99%		
Next 47 Therms per Therm					\$0.336900					\$0.451	133.81%		
Over 50 Therms per Therm					\$0.150000					\$0.201	133.80%		
Billing & Payment Processing					\$0.760000					\$0.220	28.95%		
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge					\$0.154600					(\$0.155)	-100.00%		
Incremental State Assessment Surcharge					\$0.000000					\$0.000	0.00%		
System Benefits Charge					\$0.005400					\$0.000	0.00%		
Energy Efficiency Surcharge					\$0.008900					\$0.000	0.00%		
Monthly Cost of Gas					\$0.409021					(\$0.001)	-0.30%		
Merchant Function Charge					\$0.016315					(\$0.001)	-8.61%		
GRT on Delivery					4.548000%					\$0.000	0.00%		
GRT on Supply					2.407000%					\$0.000	0.00%		
MTA on Delivery					0.176000%					\$0.000	0.00%		
MTA on Supply					0.176000%					\$0.000	0.00%		

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1B - Residential Heat

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$23.37	\$23.60	\$0.23	0.99%	\$0.00	\$0.00	\$0.00	0.00%	\$23.37	\$23.60	\$0.23	0.99%
3	\$23.55	\$23.64	\$0.08	0.34%	\$1.31	\$1.30	-\$0.01	-0.62%	\$24.86	\$24.94	\$0.07	0.29%
10	\$28.13	\$29.48	\$1.34	4.78%	\$4.36	\$4.34	-\$0.03	-0.62%	\$32.50	\$33.81	\$1.32	4.05%
15	\$31.40	\$33.65	\$2.25	7.15%	\$6.55	\$6.50	-\$0.04	-0.62%	\$37.95	\$40.16	\$2.21	5.81%
20	\$34.68	\$37.83	\$3.15	9.08%	\$8.73	\$8.67	-\$0.05	-0.62%	\$43.40	\$46.50	\$3.10	7.13%
25	\$37.95	\$42.00	\$4.05	10.68%	\$10.91	\$10.84	-\$0.07	-0.62%	\$48.85	\$52.84	\$3.99	8.16%
30	\$41.22	\$46.17	\$4.96	12.02%	\$13.09	\$13.01	-\$0.08	-0.62%	\$54.31	\$59.18	\$4.87	8.98%
40	\$47.76	\$54.52	\$6.76	14.16%	\$17.45	\$17.35	-\$0.11	-0.62%	\$65.21	\$71.87	\$6.65	10.20%
50	\$54.30	\$62.87	\$8.57	15.78%	\$21.82	\$21.68	-\$0.13	-0.62%	\$76.12	\$84.55	\$8.43	11.08%
60	\$57.03	\$65.91	\$8.88	15.58%	\$26.18	\$26.02	-\$0.16	-0.62%	\$83.21	\$91.93	\$8.72	10.48%
70	\$59.75	\$68.95	\$9.20	15.40%	\$30.54	\$30.36	-\$0.19	-0.62%	\$90.29	\$99.30	\$9.01	9.98%
Typical	\$62.48	\$71.99	\$9.52	15.23%	\$34.91	\$34.69	-\$0.22	-0.62%	\$97.38	\$106.68	\$9.30	9.55%
100	\$67.93	\$78.07	\$10.15	14.94%	\$43.63	\$43.36	-\$0.27	-0.62%	\$111.56	\$121.44	\$9.88	8.85%
120	\$73.38	\$84.16	\$10.78	14.69%	\$52.36	\$52.04	-\$0.32	-0.62%	\$125.74	\$136.19	\$10.46	8.32%
140	\$78.83	\$90.24	\$11.41	14.48%	\$61.09	\$60.71	-\$0.38	-0.62%	\$139.91	\$150.95	\$11.04	7.89%
160	\$84.28	\$96.32	\$12.05	14.29%	\$69.81	\$69.38	-\$0.43	-0.62%	\$154.09	\$165.71	\$11.61	7.54%
180	\$89.73	\$102.41	\$12.68	14.13%	\$78.54	\$78.06	-\$0.49	-0.62%	\$168.27	\$180.46	\$12.19	7.25%
200	\$95.18	\$108.49	\$13.31	13.99%	\$87.27	\$86.73	-\$0.54	-0.62%	\$182.45	\$195.22	\$12.77	7.00%
220	\$100.63	\$114.57	\$13.94	13.86%	\$95.99	\$95.40	-\$0.59	-0.62%	\$196.62	\$209.97	\$13.35	6.79%
250	\$108.80	\$123.69	\$14.89	13.69%	\$109.09	\$108.41	-\$0.67	-0.62%	\$217.89	\$232.11	\$14.22	6.53%
300	\$122.43	\$138.90	\$16.47	13.46%	\$130.90	\$130.09	-\$0.81	-0.62%	\$253.33	\$269.00	\$15.66	6.18%
400	\$149.68	\$169.32	\$19.64	13.12%	\$174.54	\$173.46	-\$1.08	-0.62%	\$324.22	\$342.77	\$18.56	5.72%
Current					Proposed						Difference	Change
First 3 or Less				\$21.55				\$21.55			\$0.00	0.00%
Next 47 Therms per Therm				\$0.564400				\$0.784600			\$0.220	39.01%
Over 50 Therms per Therm				\$0.200000				\$0.278000			\$0.078	39.00%
Billing & Payment Processing				\$0.760000				\$0.980000			\$0.220	28.95%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.047800				\$0.000000			(\$0.048)	-100.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.003500				\$0.003500			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%
Monthly Cost of Gas				\$0.409021				\$0.407797			(\$0.001)	-0.30%
Merchant Function Charge				\$0.016315				\$0.014911			(\$0.001)	-8.61%
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1AR - Residential Non Heat Reduced Rate

	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
Therm Usage													
0	\$12.04	\$13.28	\$1.24	10.26%	\$0.00	\$0.00	\$0.00	0.00%	\$12.04	\$13.28	\$1.24	10.26%	
3	\$12.57	\$13.32	\$0.75	5.97%	\$1.31	\$1.30	-\$0.01	-0.62%	\$13.88	\$14.63	\$0.74	5.34%	
5	\$13.63	\$15.00	\$1.37	10.05%	\$2.18	\$2.17	-\$0.01	-0.62%	\$15.82	\$17.17	\$1.36	8.58%	
Typical	7	\$14.69	\$16.68	\$1.99	13.55%	\$3.05	\$3.04	-\$0.02	-0.62%	\$17.75	\$19.72	\$1.97	11.11%
	10	\$16.28	\$19.20	\$2.92	17.94%	\$4.36	\$4.34	-\$0.03	-0.62%	\$20.65	\$23.54	\$2.89	14.02%
	15	\$18.93	\$23.40	\$4.47	23.63%	\$6.55	\$6.50	-\$0.04	-0.62%	\$25.48	\$29.91	\$4.43	17.40%
	20	\$21.58	\$27.60	\$6.02	27.91%	\$8.73	\$8.67	-\$0.05	-0.62%	\$30.31	\$36.28	\$5.97	19.70%
	25	\$24.23	\$31.80	\$7.57	31.26%	\$10.91	\$10.84	-\$0.07	-0.62%	\$35.14	\$42.64	\$7.51	21.37%
	30	\$26.88	\$36.00	\$9.13	33.95%	\$13.09	\$13.01	-\$0.08	-0.62%	\$39.97	\$49.01	\$9.05	22.63%
	35	\$29.53	\$40.20	\$10.68	36.16%	\$15.27	\$15.18	-\$0.09	-0.62%	\$44.80	\$55.38	\$10.58	23.62%
	40	\$32.18	\$44.40	\$12.23	38.00%	\$17.45	\$17.35	-\$0.11	-0.62%	\$49.63	\$61.75	\$12.12	24.42%
	45	\$34.82	\$48.60	\$13.78	39.57%	\$19.64	\$19.51	-\$0.12	-0.62%	\$54.46	\$68.12	\$13.66	25.08%
	50	\$37.47	\$52.80	\$15.33	40.91%	\$21.82	\$21.68	-\$0.13	-0.62%	\$59.29	\$74.48	\$15.20	25.63%
	55	\$39.14	\$54.71	\$15.57	39.78%	\$24.00	\$23.85	-\$0.15	-0.62%	\$63.14	\$78.56	\$15.42	24.43%
	60	\$40.81	\$56.63	\$15.81	38.75%	\$26.18	\$26.02	-\$0.16	-0.62%	\$66.99	\$82.64	\$15.65	23.36%
	65	\$42.48	\$58.54	\$16.05	37.79%	\$28.36	\$28.19	-\$0.18	-0.62%	\$70.84	\$86.72	\$15.88	22.41%
	70	\$44.15	\$60.45	\$16.30	36.91%	\$30.54	\$30.35	-\$0.19	-0.62%	\$74.70	\$90.80	\$16.11	21.56%
	75	\$45.82	\$62.36	\$16.54	36.09%	\$32.73	\$32.52	-\$0.20	-0.62%	\$78.55	\$94.88	\$16.34	20.80%
	80	\$47.49	\$64.27	\$16.78	35.33%	\$34.91	\$34.69	-\$0.22	-0.62%	\$82.40	\$98.96	\$16.56	20.10%
	85	\$49.16	\$66.18	\$17.02	34.62%	\$37.09	\$36.86	-\$0.23	-0.62%	\$86.25	\$103.04	\$16.79	19.47%
	90	\$50.83	\$68.09	\$17.26	33.96%	\$39.27	\$39.03	-\$0.24	-0.62%	\$90.10	\$107.12	\$17.02	18.89%
	100	\$54.17	\$71.92	\$17.74	32.76%	\$43.63	\$43.36	-\$0.27	-0.62%	\$97.81	\$115.28	\$17.47	17.87%
Current					Proposed						Difference	Change	
First 3 or Less				\$10.74				\$11.70			\$0.96	8.94%	
Next 47 Therms per Therm				\$0.336900				\$0.787700			\$0.451	133.81%	
Over 50 Therms per Therm				\$0.150000				\$0.350700			\$0.201	133.80%	
Billing & Payment Processing				\$0.760000				\$0.980000			\$0.220	28.95%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.154600				\$0.000000			(\$0.155)	-100.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.409021				\$0.407797			(\$0.001)	-0.30%	
Merchant Function Charge				\$0.016315				\$0.014911			(\$0.001)	-8.61%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.175000%				0.175000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1B-DG - Residential Heat Distributed Generation

	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
Therm Usage													
0	\$33.81	\$34.03	\$0.22	0.65%	\$0.00	\$0.00	\$0.00	0.00%	\$33.81	\$34.03	\$0.22	0.65%	
3	\$33.99	\$34.07	\$0.08	0.23%	\$1.37	\$1.36	-\$0.01	-0.62%	\$35.36	\$35.42	\$0.07	0.19%	
10	\$35.37	\$35.11	-\$0.26	-0.73%	\$4.55	\$4.53	-\$0.03	-0.62%	\$39.92	\$39.63	(\$0.29)	-0.72%	
15	\$36.35	\$35.85	-\$0.50	-1.37%	\$6.83	\$6.79	-\$0.04	-0.62%	\$43.18	\$42.64	(\$0.54)	-1.25%	
20	\$37.34	\$36.60	-\$0.74	-1.98%	\$9.11	\$9.05	-\$0.06	-0.62%	\$46.44	\$45.65	(\$0.79)	-1.71%	
30	\$39.31	\$38.09	-\$1.22	-3.10%	\$13.66	\$13.58	-\$0.08	-0.62%	\$52.97	\$51.66	(\$1.30)	-2.46%	
40	\$41.27	\$39.58	-\$1.70	-4.11%	\$18.22	\$18.10	-\$0.11	-0.62%	\$59.49	\$57.68	(\$1.81)	-3.04%	
50	\$43.24	\$41.07	-\$2.18	-5.04%	\$22.77	\$22.63	-\$0.14	-0.62%	\$66.01	\$63.69	(\$2.32)	-3.51%	
75	\$48.17	\$44.79	-\$3.38	-7.01%	\$34.15	\$33.94	-\$0.21	-0.62%	\$82.32	\$78.73	(\$3.59)	-4.36%	
100	\$53.09	\$48.51	-\$4.58	-8.62%	\$45.54	\$45.26	-\$0.28	-0.62%	\$98.63	\$93.77	(\$4.86)	-4.93%	
125	\$58.01	\$52.24	-\$5.78	-9.96%	\$56.92	\$56.57	-\$0.35	-0.62%	\$114.93	\$108.81	(\$6.13)	-5.33%	
Typical	150	\$62.93	\$55.96	-\$6.97	-11.08%	\$68.31	\$67.89	-\$0.42	-0.62%	\$131.24	\$123.84	(\$7.40)	-5.64%
175	\$67.86	\$59.68	-\$8.17	-12.05%	\$79.69	\$79.20	-\$0.49	-0.62%	\$147.55	\$138.88	(\$8.67)	-5.87%	
200	\$72.78	\$63.40	-\$9.37	-12.88%	\$91.08	\$90.51	-\$0.56	-0.62%	\$163.85	\$153.92	(\$9.94)	-6.06%	
225	\$77.70	\$67.13	-\$10.57	-13.61%	\$102.46	\$101.83	-\$0.63	-0.62%	\$180.16	\$168.96	(\$11.21)	-6.22%	
250	\$82.62	\$70.85	-\$11.77	-14.25%	\$113.85	\$113.14	-\$0.70	-0.62%	\$196.47	\$183.99	(\$12.47)	-6.35%	
275	\$87.54	\$74.57	-\$12.97	-14.82%	\$125.23	\$124.46	-\$0.77	-0.62%	\$212.77	\$199.03	(\$13.74)	-6.46%	
300	\$92.47	\$78.30	-\$14.17	-15.32%	\$136.62	\$135.77	-\$0.84	-0.62%	\$229.08	\$214.07	(\$15.01)	-6.55%	
325	\$97.39	\$82.02	-\$15.37	-15.78%	\$148.00	\$147.09	-\$0.91	-0.62%	\$245.39	\$229.11	(\$16.28)	-6.64%	
350	\$102.31	\$85.74	-\$16.57	-16.19%	\$159.38	\$158.40	-\$0.98	-0.62%	\$261.70	\$244.14	(\$17.55)	-6.71%	
375	\$107.23	\$89.47	-\$17.77	-16.57%	\$170.77	\$169.71	-\$1.06	-0.62%	\$278.00	\$259.18	(\$18.82)	-6.77%	
400	\$112.16	\$93.19	-\$18.97	-16.91%	\$182.15	\$181.03	-\$1.13	-0.62%	\$294.31	\$274.22	(\$20.09)	-6.83%	
Current					Proposed				Difference	Change			
First 3 or Less				\$32.93				\$32.93	\$0.00	0.00%			
Next 47 Therms per Therm				\$0.136000				\$0.136000	\$0.000	0.00%			
Over 50 Therms per Therm				\$0.000000				\$0.000000	\$0.000	0.00%			
Billing & Payment Processing				\$0.760000				\$0.980000	\$0.220	28.95%			
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.047800				\$0.000000	(\$0.048)	-100.00%			
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.000	0.00%			
System Benefits Charge				\$0.003500				\$0.003500	\$0.000	0.00%			
Energy Efficiency Surcharge				\$0.008900				\$0.008900	\$0.000	0.00%			
Monthly Cost of Gas				\$0.409021				\$0.407797	(\$0.001)	-0.30%			
Merchant Function Charge				\$0.016315				\$0.014911	(\$0.001)	-8.61%			
GRT on Delivery				0.176000%				0.176000%	\$0.000	0.00%			
GRT on Supply				2.407000%				2.407000%	\$0.000	0.00%			
MTA on Delivery				0.176000%				0.176000%	\$0.000	0.00%			
MTA on Supply				4.548000%				4.548000%	\$0.000	0.00%			

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1 BR - Residential Heat Reduced Rate (May - October)

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$10.61	\$10.84	\$0.23	2.17%	\$0.00	\$0.00	\$0.00	0.00%	\$10.61	\$10.84	\$0.23	2.17%
3	\$10.80	\$10.88	\$0.08	0.74%	\$1.31	\$1.30	-\$0.01	-0.62%	\$12.11	\$12.18	\$0.07	0.60%
Typical	\$15.38	\$16.72	\$1.34	8.74%	\$4.36	\$4.34	-\$0.03	-0.62%	\$19.74	\$21.06	\$1.32	6.67%
15	\$18.65	\$20.90	\$2.25	12.05%	\$6.55	\$6.50	-\$0.04	-0.62%	\$25.19	\$27.40	\$2.21	8.76%
20	\$21.92	\$25.07	\$3.15	14.37%	\$8.73	\$8.67	-\$0.05	-0.62%	\$30.65	\$33.74	\$3.10	10.10%
25	\$25.19	\$29.24	\$4.05	16.09%	\$10.91	\$10.84	-\$0.07	-0.62%	\$36.10	\$40.08	\$3.99	11.04%
30	\$28.46	\$33.42	\$4.96	17.41%	\$13.09	\$13.01	-\$0.08	-0.62%	\$41.55	\$46.43	\$4.87	11.73%
40	\$35.00	\$41.76	\$6.76	19.32%	\$17.45	\$17.35	-\$0.11	-0.62%	\$52.46	\$59.11	\$6.65	12.68%
50	\$41.54	\$50.11	\$8.57	20.62%	\$21.82	\$21.68	-\$0.13	-0.62%	\$63.36	\$71.79	\$8.43	13.31%
60	\$44.27	\$53.15	\$8.88	20.07%	\$26.18	\$26.02	-\$0.16	-0.62%	\$70.45	\$79.17	\$8.72	12.38%
70	\$46.99	\$56.19	\$9.20	19.57%	\$30.54	\$30.35	-\$0.19	-0.62%	\$77.54	\$86.55	\$9.01	11.62%
80	\$49.72	\$59.23	\$9.52	19.14%	\$34.91	\$34.69	-\$0.22	-0.62%	\$84.63	\$93.93	\$9.30	10.99%
100	\$55.17	\$65.32	\$10.15	18.39%	\$43.63	\$43.36	-\$0.27	-0.62%	\$98.80	\$108.68	\$9.88	10.00%
120	\$60.62	\$71.40	\$10.78	17.78%	\$52.36	\$52.04	-\$0.32	-0.62%	\$112.98	\$123.44	\$10.46	9.26%
140	\$66.07	\$77.48	\$11.41	17.27%	\$61.09	\$60.71	-\$0.38	-0.62%	\$127.16	\$138.19	\$11.04	8.68%
160	\$71.52	\$83.57	\$12.05	16.84%	\$69.81	\$69.38	-\$0.43	-0.62%	\$141.33	\$152.95	\$11.61	8.22%
180	\$76.97	\$89.65	\$12.68	16.47%	\$78.54	\$78.06	-\$0.49	-0.62%	\$155.51	\$167.70	\$12.19	7.84%
200	\$82.42	\$95.73	\$13.31	16.15%	\$87.27	\$86.73	-\$0.54	-0.62%	\$169.69	\$182.46	\$12.77	7.53%
220	\$87.87	\$101.81	\$13.94	15.87%	\$95.99	\$95.40	-\$0.59	-0.62%	\$183.87	\$197.22	\$13.35	7.26%
250	\$96.05	\$110.94	\$14.89	15.51%	\$109.08	\$108.41	-\$0.67	-0.62%	\$205.13	\$219.35	\$14.22	6.93%
300	\$109.67	\$126.15	\$16.47	15.02%	\$130.90	\$130.09	-\$0.81	-0.62%	\$240.57	\$256.24	\$15.66	6.51%
400	\$136.92	\$156.56	\$19.64	14.34%	\$174.53	\$173.46	-\$1.08	-0.62%	\$311.46	\$330.02	\$18.56	5.96%
Current					Proposed				Difference			Change
First 3 or Less				\$9.37				\$9.37	\$0.00			0.00%
Next 47 Therms per Therm				\$0.564400				\$0.784600	\$0.220			39.01%
Over 50 Therms per Therm				\$0.200000				\$0.278000	\$0.078			39.00%
Billing & Payment Processing				\$0.760000				\$0.980000	\$0.220			28.95%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.047800				\$0.000000	(\$0.048)			-100.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.000			0.00%
Revenue Decoupling Mechanism				\$0.000000				\$0.000000	\$0.000			0.00%
System Benefits Charge				\$0.003500				\$0.003500	\$0.000			0.00%
Energy Efficiency Surcharge				\$0.008900				\$0.008900	\$0.000			0.00%
Monthly Cost of Gas				\$0.409021				\$0.407797	(\$0.001)			-0.30%
Merchant Function Charge				\$0.016315				\$0.014911	(\$0.001)			-8.61%
GRT on Delivery				4.548000%				4.548000%	\$0.000			0.00%
GRT on Supply				2.407000%				2.407000%	\$0.000			0.00%
MTA on Delivery				0.176000%				0.176000%	\$0.000			0.00%
MTA on Supply				0.175000%				0.175000%	\$0.000			0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1 BR - Residential Heat Reduced Rate (November - April)

	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
Therm Usage													
0	\$10.61	\$10.84	\$0.23	2.17%	\$0.00	\$0.00	\$0.00	0.00%	\$10.61	\$10.84	\$0.23	2.17%	
3	\$10.80	\$10.88	\$0.08	0.74%	\$1.31	\$1.30	-\$0.01	-0.62%	\$12.11	\$12.18	\$0.07	0.60%	
Typical	10	\$13.32	\$14.64	\$1.31	9.83%	\$4.36	\$4.34	-\$0.03	-0.62%	\$17.69	\$18.97	\$1.28	7.26%
	15	\$15.13	\$17.32	\$2.19	14.47%	\$6.55	\$6.50	-\$0.04	-0.62%	\$21.67	\$23.82	\$2.15	9.91%
	20	\$16.93	\$20.00	\$3.07	18.12%	\$8.73	\$8.67	-\$0.05	-0.62%	\$25.66	\$28.67	\$3.01	11.75%
	25	\$18.74	\$22.68	\$3.95	21.06%	\$10.91	\$10.84	-\$0.07	-0.62%	\$29.65	\$33.53	\$3.88	13.08%
	30	\$20.54	\$25.37	\$4.83	23.49%	\$13.09	\$13.01	-\$0.08	-0.62%	\$33.63	\$38.38	\$4.74	14.11%
	40	\$24.15	\$30.73	\$6.58	27.25%	\$17.45	\$17.35	-\$0.11	-0.62%	\$41.61	\$48.08	\$6.47	15.56%
	50	\$27.76	\$36.10	\$8.34	30.04%	\$21.82	\$21.68	-\$0.13	-0.62%	\$49.58	\$57.78	\$8.21	16.55%
	60	\$30.49	\$39.14	\$8.66	28.39%	\$26.18	\$26.02	-\$0.16	-0.62%	\$56.67	\$65.16	\$8.49	14.99%
	70	\$33.21	\$42.18	\$8.97	27.02%	\$30.54	\$30.35	-\$0.19	-0.62%	\$63.75	\$72.54	\$8.78	13.78%
	80	\$35.94	\$45.23	\$9.29	25.85%	\$34.91	\$34.69	-\$0.22	-0.62%	\$70.84	\$79.92	\$9.07	12.81%
	100	\$41.39	\$51.31	\$9.92	23.97%	\$43.63	\$43.36	-\$0.27	-0.62%	\$85.02	\$94.67	\$9.65	11.35%
	120	\$46.84	\$57.39	\$10.55	22.53%	\$52.36	\$52.04	-\$0.32	-0.62%	\$99.20	\$109.43	\$10.23	10.31%
	140	\$52.29	\$63.47	\$11.19	21.39%	\$61.09	\$60.71	-\$0.38	-0.62%	\$113.37	\$124.18	\$10.81	9.53%
	160	\$57.74	\$69.56	\$11.82	20.47%	\$69.81	\$69.38	-\$0.43	-0.62%	\$127.55	\$138.94	\$11.39	8.93%
	180	\$63.19	\$75.64	\$12.45	19.71%	\$78.54	\$78.06	-\$0.49	-0.62%	\$141.73	\$153.69	\$11.97	8.44%
	200	\$68.64	\$81.72	\$13.08	19.06%	\$87.27	\$86.73	-\$0.54	-0.62%	\$155.91	\$168.45	\$12.55	8.05%
	220	\$74.09	\$87.81	\$13.72	18.51%	\$95.99	\$95.40	-\$0.59	-0.62%	\$170.08	\$183.21	\$13.12	7.72%
	250	\$82.26	\$96.93	\$14.67	17.83%	\$109.08	\$108.41	-\$0.67	-0.62%	\$191.35	\$205.34	\$13.99	7.31%
	300	\$95.89	\$112.14	\$16.25	16.94%	\$130.90	\$130.09	-\$0.81	-0.62%	\$226.79	\$242.23	\$15.44	6.81%
	400	\$123.14	\$142.55	\$19.41	15.76%	\$174.53	\$173.46	-\$1.08	-0.62%	\$297.68	\$316.01	\$18.33	6.16%
Current					Proposed						Difference	Change	
First 3 or Less											\$9.37	0.00%	
Next 47 Therms per Therm											\$0.216	75.81%	
Over 50 Therms per Therm											\$0.078	39.00%	
Billing & Payment Processing											\$0.00000		
Delivery Rate Adjustment											\$0.00000		
Site Investigation & Remediation Surcharge											(\$0.048)	-100.00%	
Incremental State Assessment Surcharge											\$0.00000	0.00%	
Revenue Decoupling Mechanism											\$0.00000	0.00%	
System Benefits Charge											\$0.003500	0.00%	
Energy Efficiency Surcharge											\$0.008900	0.00%	
Monthly Cost of Gas											(\$0.001)	-0.30%	
Merchant Function Charge											(\$0.01)	-8.61%	
GRT on Delivery											\$0.000000%	0.00%	
GRT on Supply											\$0.000000%	0.00%	
MTA on Delivery											\$0.176000%	0.00%	
MTA on Supply											\$0.175000%	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 2-1 - Non Residential Non Heat

	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
Therm Usage													
0	\$39.30	\$39.53	\$0.23	0.57%	\$0.00	\$0.00	\$0.00	0.00%	\$39.30	\$39.53	\$0.23	0.57%	
3	\$39.43	\$39.57	\$0.14	0.37%	\$1.31	\$1.30	-\$0.01	-0.62%	\$40.74	\$40.87	\$0.14	0.34%	
10	\$42.32	\$43.09	\$0.77	1.83%	\$4.36	\$4.34	-\$0.03	-0.62%	\$46.68	\$47.43	\$0.75	1.60%	
30	\$50.58	\$53.15	\$2.57	5.09%	\$13.09	\$13.01	-\$0.08	-0.62%	\$63.67	\$66.16	\$2.49	3.92%	
50	\$58.84	\$63.22	\$4.37	7.43%	\$21.82	\$21.68	-\$0.13	-0.62%	\$80.66	\$84.90	\$4.24	5.25%	
70	\$67.11	\$73.28	\$6.17	9.20%	\$30.54	\$30.36	-\$0.19	-0.62%	\$97.65	\$103.63	\$5.98	6.13%	
90	\$75.37	\$83.34	\$7.97	10.58%	\$39.27	\$39.03	-\$0.24	-0.62%	\$114.64	\$122.37	\$7.73	6.74%	
110	\$81.33	\$90.38	\$9.05	11.12%	\$48.00	\$47.70	-\$0.30	-0.62%	\$129.33	\$138.08	\$8.75	6.77%	
150	\$93.25	\$104.45	\$11.20	12.01%	\$65.45	\$65.05	-\$0.40	-0.62%	\$158.71	\$169.50	\$10.79	6.80%	
200	\$108.16	\$122.05	\$13.89	12.84%	\$87.27	\$86.73	-\$0.54	-0.62%	\$195.43	\$208.77	\$13.35	6.83%	
250	\$123.07	\$139.64	\$16.57	13.47%	\$109.09	\$108.41	-\$0.67	-0.62%	\$232.15	\$248.05	\$15.90	6.85%	
300	\$137.97	\$157.23	\$19.26	13.96%	\$130.90	\$130.09	-\$0.81	-0.62%	\$268.87	\$287.33	\$18.45	6.86%	
Typical	500	\$197.60	\$227.61	\$30.01	15.19%	\$218.17	\$216.82	-\$1.35	-0.62%	\$415.77	\$444.43	\$28.66	6.89%
	700	\$257.22	\$297.98	\$40.76	15.85%	\$305.44	\$303.55	-\$1.89	-0.62%	\$562.66	\$601.53	\$38.88	6.91%
	900	\$316.84	\$368.36	\$51.51	16.26%	\$392.71	\$390.28	-\$2.43	-0.62%	\$709.55	\$758.64	\$49.09	6.92%
	1,100	\$376.47	\$438.73	\$62.27	16.54%	\$479.97	\$477.01	-\$2.97	-0.62%	\$856.44	\$915.74	\$59.30	6.92%
	1,300	\$436.09	\$509.11	\$73.02	16.74%	\$567.24	\$563.74	-\$3.50	-0.62%	\$1,003.33	\$1,072.85	\$69.51	6.93%
	1,500	\$495.71	\$579.48	\$83.77	16.90%	\$654.51	\$650.47	-\$4.04	-0.62%	\$1,150.23	\$1,229.95	\$79.72	6.93%
	1,700	\$555.34	\$649.86	\$94.52	17.02%	\$741.78	\$737.20	-\$4.58	-0.62%	\$1,297.12	\$1,387.05	\$89.94	6.93%
	1,900	\$614.96	\$720.23	\$105.27	17.12%	\$829.05	\$823.92	-\$5.12	-0.62%	\$1,444.01	\$1,544.16	\$100.15	6.94%
	2,100	\$674.59	\$790.61	\$116.02	17.20%	\$916.32	\$910.65	-\$5.66	-0.62%	\$1,590.90	\$1,701.26	\$110.36	6.94%
	3,000	\$942.89	\$1,107.29	\$164.40	17.44%	\$1,309.02	\$1,300.93	-\$8.09	-0.62%	\$2,251.91	\$2,408.23	\$156.31	6.94%
	4,000	\$1,138.42	\$1,324.27	\$185.84	16.32%	\$1,745.36	\$1,734.58	-\$10.78	-0.62%	\$2,883.79	\$3,058.84	\$175.06	6.07%
	5,000	\$1,333.95	\$1,541.24	\$207.28	15.54%	\$2,181.70	\$2,168.22	-\$13.48	-0.62%	\$3,515.66	\$3,709.46	\$193.80	5.51%
	6,000	\$1,529.49	\$1,758.21	\$228.72	14.95%	\$2,618.04	\$2,601.87	-\$16.18	-0.62%	\$4,147.53	\$4,360.08	\$212.55	5.12%
	7,000	\$1,725.02	\$1,975.18	\$250.16	14.50%	\$3,054.39	\$3,035.51	-\$18.87	-0.62%	\$4,779.40	\$5,010.69	\$231.29	4.84%
	8,000	\$1,920.55	\$2,192.15	\$271.60	14.14%	\$3,490.73	\$3,469.16	-\$21.57	-0.62%	\$5,411.28	\$5,661.31	\$250.04	4.62%
	9,000	\$2,116.08	\$2,409.13	\$293.05	13.85%	\$3,927.07	\$3,902.80	-\$24.26	-0.62%	\$6,043.15	\$6,311.93	\$268.78	4.45%
	10,000	\$2,311.61	\$2,626.10	\$314.49	13.60%	\$4,363.41	\$4,336.45	-\$26.96	-0.62%	\$6,675.02	\$6,962.54	\$287.53	4.31%
	11,000	\$2,507.14	\$2,843.07	\$335.93	13.40%	\$4,799.75	\$4,770.09	-\$29.66	-0.62%	\$7,306.89	\$7,613.16	\$306.27	4.19%
	12,000	\$2,702.67	\$3,060.04	\$357.37	13.22%	\$5,236.09	\$5,203.74	-\$32.35	-0.62%	\$7,938.76	\$8,263.78	\$325.01	4.09%
	13,000	\$2,898.21	\$3,277.01	\$378.81	13.07%	\$5,672.43	\$5,637.38	-\$35.05	-0.62%	\$8,570.64	\$8,914.40	\$343.76	4.01%
	15,000	\$3,289.27	\$3,710.96	\$421.69	12.82%	\$6,545.11	\$6,504.67	-\$40.44	-0.62%	\$9,834.38	\$10,215.63	\$381.25	3.88%
	20,000	\$4,266.92	\$4,795.82	\$528.89	12.40%	\$8,726.82	\$8,672.89	-\$53.92	-0.62%	\$12,993.74	\$13,468.71	\$474.97	3.66%
	25,000	\$5,244.58	\$5,880.68	\$636.10	12.13%	\$10,908.52	\$10,841.12	-\$67.40	-0.62%	\$16,153.10	\$16,721.80	\$568.70	3.52%
	30,000	\$6,222.24	\$6,965.54	\$743.30	11.95%	\$13,090.22	\$13,009.34	-\$80.88	-0.62%	\$19,312.46	\$19,974.88	\$662.42	3.43%
	35,000	\$7,199.89	\$8,050.40	\$850.50	11.81%	\$15,271.93	\$15,177.57	-\$94.36	-0.62%	\$22,471.82	\$23,227.96	\$756.14	3.36%
	40,000	\$8,177.55	\$9,135.26	\$957.71	11.71%	\$17,453.63	\$17,345.79	-\$107.84	-0.62%	\$25,631.18	\$26,481.05	\$849.87	3.32%
	45,000	\$9,155.21	\$10,220.12	\$1,064.91	11.63%	\$19,635.34	\$19,514.01	-\$121.32	-0.62%	\$28,790.54	\$29,734.13	\$943.59	3.28%
	50,000	\$10,132.86	\$11,304.98	\$1,172.12	11.57%	\$21,817.04	\$21,682.24	-\$134.80	-0.62%	\$31,949.90	\$32,987.21	\$1,037.31	3.25%
Current	\$0.76												
					Proposed						Difference	Change	
First 3 therms				\$37.55				\$37.55			\$0.00	0.00%	
Next 87 therms				\$0.362100				\$0.476100			\$0.114	31.48%	
Next 2,910 therms				\$0.250000				\$0.328700			\$0.079	31.48%	
Over 3,000 therms				\$0.150000				\$0.197200			\$0.047	31.47%	
Billing & Payment Processing				\$0.760000				\$0.980000			\$0.220	28.95%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.026300				\$0.000000			(\$0.026)	-100.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.409021				\$0.407797			(\$0.001)	-0.30%	
Merchant Function Charge				\$0.016315				\$0.014911			(\$0.001)	-8.61%	
GRT on Delivery				2.407000%				2.407000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 2-2 - Non Residential Heat

Therm Usage	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
0	\$39.30	\$39.53	\$0.23	0.57%	\$0.00	\$0.00	\$0.00	0.00%	\$39.30	\$39.53	\$0.23	0.57%
3	\$39.45	\$39.57	\$0.12	0.29%	\$1.34	\$1.33	-\$0.01	-0.62%	\$40.79	\$40.90	\$0.11	0.26%
10	\$42.41	\$43.19	\$0.77	1.82%	\$4.46	\$4.43	-\$0.03	-0.62%	\$46.87	\$47.62	\$0.75	1.59%
15	\$44.53	\$45.77	\$1.24	2.79%	\$6.69	\$6.65	-\$0.04	-0.62%	\$51.22	\$52.42	\$1.20	2.35%
20	\$46.64	\$48.35	\$1.71	3.67%	\$8.92	\$8.87	-\$0.06	-0.62%	\$55.56	\$57.22	\$1.66	2.98%
25	\$48.75	\$50.94	\$2.18	4.48%	\$11.15	\$11.08	-\$0.07	-0.62%	\$59.90	\$62.02	\$2.11	3.53%
30	\$50.87	\$53.52	\$2.65	5.22%	\$13.38	\$13.30	-\$0.08	-0.62%	\$64.25	\$66.82	\$2.57	4.00%
40	\$55.09	\$58.69	\$3.59	6.52%	\$17.84	\$17.73	-\$0.11	-0.62%	\$72.94	\$76.42	\$3.48	4.78%
50	\$59.32	\$63.85	\$4.53	7.64%	\$22.30	\$22.17	-\$0.14	-0.62%	\$81.62	\$86.02	\$4.39	5.38%
60	\$63.55	\$69.02	\$5.47	8.61%	\$26.76	\$26.60	-\$0.17	-0.62%	\$90.31	\$95.62	\$5.31	5.88%
70	\$67.77	\$74.19	\$6.41	9.46%	\$31.22	\$31.03	-\$0.19	-0.62%	\$99.00	\$105.22	\$6.22	6.28%
80	\$72.00	\$79.35	\$7.35	10.21%	\$35.68	\$35.46	-\$0.22	-0.62%	\$107.68	\$114.82	\$7.13	6.62%
100	\$79.82	\$88.82	\$9.01	11.29%	\$44.61	\$44.33	-\$0.28	-0.62%	\$124.42	\$133.15	\$8.73	7.02%
120	\$86.99	\$97.43	\$10.44	12.00%	\$53.53	\$53.20	-\$0.33	-0.62%	\$140.52	\$150.63	\$10.11	7.19%
140	\$94.17	\$106.05	\$11.87	12.61%	\$62.45	\$62.06	-\$0.39	-0.62%	\$156.62	\$168.11	\$11.49	7.33%
160	\$101.35	\$114.66	\$13.30	13.13%	\$71.37	\$70.93	-\$0.44	-0.62%	\$172.72	\$185.59	\$12.86	7.45%
180	\$108.53	\$123.27	\$14.74	13.58%	\$80.29	\$79.79	-\$0.50	-0.62%	\$188.82	\$203.06	\$14.24	7.54%
Typical	\$115.71	\$131.88	\$16.17	13.97%	\$89.21	\$88.66	-\$0.55	-0.62%	\$204.92	\$220.54	\$15.62	7.62%
250	\$133.66	\$153.41	\$19.75	14.78%	\$111.51	\$110.83	-\$0.69	-0.62%	\$245.17	\$264.23	\$19.06	7.77%
280	\$144.43	\$166.32	\$21.90	15.16%	\$124.90	\$124.12	-\$0.77	-0.62%	\$269.32	\$290.45	\$21.12	7.84%
300	\$151.61	\$174.93	\$23.33	15.39%	\$133.82	\$132.99	-\$0.83	-0.62%	\$285.42	\$307.93	\$22.50	7.88%
400	\$187.50	\$217.99	\$30.49	16.26%	\$178.42	\$177.32	-\$1.10	-0.62%	\$365.92	\$395.31	\$29.39	8.03%
500	\$223.40	\$261.05	\$37.65	16.85%	\$223.03	\$221.65	-\$1.38	-0.62%	\$446.43	\$482.70	\$36.27	8.12%
600	\$259.29	\$304.10	\$44.81	17.28%	\$267.64	\$265.98	-\$1.65	-0.62%	\$526.93	\$570.08	\$43.16	8.19%
1,000	\$402.87	\$476.33	\$73.45	18.23%	\$446.06	\$443.30	-\$2.76	-0.62%	\$848.93	\$919.63	\$70.70	8.33%
1,500	\$582.35	\$691.61	\$109.26	18.76%	\$669.09	\$664.95	-\$4.13	-0.62%	\$1,251.44	\$1,356.56	\$105.12	8.40%
2,000	\$761.83	\$906.88	\$145.06	19.04%	\$892.12	\$886.60	-\$5.51	-0.62%	\$1,653.94	\$1,793.49	\$139.55	8.44%
2,570	\$966.43	\$1,152.30	\$185.87	19.23%	\$1,146.37	\$1,139.29	-\$7.08	-0.62%	\$2,112.80	\$2,291.59	\$178.79	8.46%
3,000	\$1,120.78	\$1,337.44	\$216.66	19.33%	\$1,338.18	\$1,329.91	-\$8.27	-0.62%	\$2,458.95	\$2,667.35	\$208.40	8.47%
5,000	\$1,633.51	\$1,921.16	\$287.66	17.61%	\$2,230.29	\$2,216.51	-\$13.78	-0.62%	\$3,863.80	\$4,137.68	\$273.87	7.09%
9,000	\$2,658.97	\$3,088.61	\$429.64	16.16%	\$4,014.53	\$3,989.72	-\$24.81	-0.62%	\$6,673.50	\$7,078.33	\$404.83	6.07%
10,000	\$2,915.34	\$3,380.47	\$465.13	15.95%	\$4,460.58	\$4,433.02	-\$27.56	-0.62%	\$7,375.92	\$7,813.49	\$437.57	5.93%
30,000	\$8,042.65	\$9,217.68	\$1,175.03	14.61%	\$13,381.75	\$13,299.07	-\$82.68	-0.62%	\$21,424.40	\$22,516.75	\$1,092.35	5.10%
50,000	\$13,169.96	\$15,054.90	\$1,884.94	14.31%	\$22,302.92	\$22,165.12	-\$137.81	-0.62%	\$35,472.88	\$37,220.01	\$1,747.13	4.93%
75,000	\$19,579.09	\$22,351.41	\$2,772.32	14.16%	\$33,454.39	\$33,247.68	-\$206.71	-0.62%	\$53,033.48	\$55,599.09	\$2,565.61	4.84%
100,000	\$25,988.23	\$29,647.93	\$3,659.70	14.08%	\$44,605.85	\$44,330.23	-\$275.61	-0.62%	\$70,594.08	\$73,978.16	\$3,384.09	4.79%
150,000	\$38,806.51	\$44,240.96	\$5,434.46	14.00%	\$66,908.77	\$66,495.35	-\$413.42	-0.62%	\$105,715.28	\$110,736.32	\$5,021.04	4.75%
200,000	\$51,624.78	\$58,834.00	\$7,209.22	13.96%	\$89,211.69	\$88,660.47	-\$551.22	-0.62%	\$140,836.48	\$147,494.47	\$6,657.99	4.73%
250,000	\$64,443.06	\$73,427.03	\$8,983.98	13.94%	\$111,514.62	\$110,825.59	-\$689.03	-0.62%	\$175,957.67	\$184,252.62	\$8,294.94	4.71%
500,000	\$128,534.43	\$146,392.20	\$17,857.77	13.89%	\$223,029.23	\$221,651.17	-\$1,378.06	-0.62%	\$351,563.67	\$368,043.38	\$16,479.71	4.69%
750,000	\$192,625.81	\$219,357.38	\$26,731.57	13.88%	\$334,543.85	\$332,476.76	-\$2,067.09	-0.62%	\$527,169.66	\$551,834.14	\$24,664.48	4.68%
Current					Proposed					Difference	Change	
First 3 therms					\$37.55					\$0.00	0.00%	
Next 87 therms					\$0.362100					\$0.127	35.13%	
Next 2,910 therms					\$0.300000					\$0.105	35.13%	
Over 3,000 therms					\$0.200000					\$0.070	35.10%	
Billing & Payment Processing					\$0.760000					\$0.220	28.95%	
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge					\$0.035600					(\$0.036)	-100.00%	
Incremental State Assessment Surcharge					\$0.000000					\$0.000	0.00%	
System Benefits Charge					\$0.005400					\$0.000	0.00%	
Energy Efficiency Surcharge					\$0.008900					\$0.000	0.00%	
Monthly Cost of Gas					\$0.409021					(\$0.001)	-0.30%	
Merchant Function Charge					\$0.016315					(\$0.001)	-8.61%	
GRT on Delivery					2.407000%					\$0.000	0.00%	
GRT on Supply					2.407000%					\$0.000	0.00%	
MTA on Delivery					0.176000%					\$0.000	0.00%	
MTA on Supply					2.407000%					\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4A - High Load Factor Service

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$121.52	\$251.86	\$130.35	107.27%	\$0.00	\$0.00	\$0.00	0.00%	\$121.52	\$251.86	\$130.35	107.27%
10	\$121.80	\$252.01	\$130.20	106.90%	\$3.23	\$3.21	-\$0.02	-0.54%	\$125.03	\$255.22	\$130.19	104.12%
50	\$129.61	\$260.90	\$131.29	101.30%	\$16.13	\$16.04	-\$0.09	-0.54%	\$145.74	\$276.94	\$131.20	90.03%
100	\$139.36	\$272.01	\$132.64	95.18%	\$32.26	\$32.09	-\$0.17	-0.54%	\$171.62	\$304.09	\$132.47	77.19%
200	\$158.87	\$294.23	\$135.36	85.20%	\$64.52	\$64.17	-\$0.35	-0.54%	\$223.39	\$358.40	\$135.01	60.44%
300	\$178.38	\$316.45	\$138.07	77.40%	\$96.78	\$96.26	-\$0.52	-0.54%	\$275.16	\$412.71	\$137.55	49.99%
400	\$197.89	\$338.67	\$140.78	71.14%	\$129.04	\$128.35	-\$0.70	-0.54%	\$326.93	\$467.01	\$140.08	42.85%
500	\$217.40	\$360.89	\$143.49	66.00%	\$161.30	\$160.43	-\$0.87	-0.54%	\$378.70	\$521.32	\$142.62	37.66%
1,000	\$314.94	\$471.99	\$157.05	49.87%	\$322.60	\$320.87	-\$1.74	-0.54%	\$637.54	\$792.86	\$155.31	24.36%
5,000	\$1,052.33	\$1,307.12	\$254.80	24.21%	\$1,613.02	\$1,604.33	-\$8.69	-0.54%	\$2,665.35	\$2,911.45	\$246.10	9.23%
10,000	\$1,974.06	\$2,351.04	\$376.97	19.10%	\$3,226.05	\$3,208.66	-\$17.39	-0.54%	\$5,200.11	\$5,559.70	\$359.59	6.91%
15,000	\$2,895.80	\$3,394.95	\$499.15	17.24%	\$4,839.07	\$4,812.99	-\$26.08	-0.54%	\$7,734.87	\$8,207.94	\$473.07	6.12%
20,000	\$3,817.54	\$4,438.87	\$621.33	16.28%	\$6,452.09	\$6,417.32	-\$34.77	-0.54%	\$10,269.63	\$10,856.19	\$586.56	5.71%
25,000	\$4,739.27	\$5,482.78	\$743.51	15.69%	\$8,065.12	\$8,021.65	-\$43.47	-0.54%	\$12,804.39	\$13,504.43	\$700.04	5.47%
30,000	\$5,661.01	\$6,526.70	\$865.69	15.29%	\$9,678.14	\$9,625.98	-\$52.16	-0.54%	\$15,339.15	\$16,152.68	\$813.53	5.30%
35,000	\$6,582.74	\$7,570.61	\$987.87	15.01%	\$11,291.17	\$11,230.31	-\$60.85	-0.54%	\$17,873.91	\$18,800.92	\$927.02	5.19%
40,000	\$7,504.48	\$8,614.53	\$1,110.05	14.79%	\$12,904.19	\$12,834.64	-\$69.55	-0.54%	\$20,408.67	\$21,449.17	\$1,040.50	5.10%
45,000	\$8,426.22	\$9,658.44	\$1,232.23	14.62%	\$14,517.21	\$14,438.97	-\$78.24	-0.54%	\$22,943.43	\$24,097.41	\$1,153.99	5.03%
Typical	\$9,347.95	\$10,702.36	\$1,354.41	14.49%	\$16,130.24	\$16,043.30	-\$86.93	-0.54%	\$25,478.19	\$26,745.66	\$1,267.47	4.97%
55,000	\$10,269.69	\$11,746.27	\$1,476.58	14.38%	\$17,743.26	\$17,647.63	-\$95.63	-0.54%	\$28,012.95	\$29,393.90	\$1,380.96	4.93%
60,000	\$11,191.42	\$12,790.19	\$1,598.76	14.29%	\$19,356.28	\$19,251.96	-\$104.32	-0.54%	\$30,547.71	\$32,042.15	\$1,494.44	4.89%
65,000	\$12,113.16	\$13,834.10	\$1,720.94	14.21%	\$20,969.31	\$20,856.29	-\$113.01	-0.54%	\$33,082.47	\$34,690.39	\$1,607.93	4.86%
70,000	\$13,034.89	\$14,878.02	\$1,843.12	14.14%	\$22,582.33	\$22,460.62	-\$121.71	-0.54%	\$35,617.23	\$37,338.64	\$1,721.41	4.83%
75,000	\$13,956.63	\$15,921.93	\$1,965.30	14.08%	\$24,195.35	\$24,064.95	-\$130.40	-0.54%	\$38,151.98	\$39,986.88	\$1,834.90	4.81%
80,000	\$14,878.37	\$16,965.85	\$2,087.48	14.03%	\$25,808.38	\$25,669.28	-\$139.09	-0.54%	\$40,686.74	\$42,635.13	\$1,948.38	4.79%
85,000	\$15,800.10	\$18,009.76	\$2,209.66	13.99%	\$27,421.40	\$27,273.61	-\$147.79	-0.54%	\$43,221.50	\$45,283.37	\$2,061.87	4.77%
90,000	\$16,721.84	\$19,053.68	\$2,331.84	13.94%	\$29,034.42	\$28,877.94	-\$156.48	-0.54%	\$45,756.26	\$47,931.62	\$2,175.36	4.75%
95,000	\$17,643.57	\$20,097.59	\$2,454.02	13.91%	\$30,647.45	\$30,482.27	-\$165.17	-0.54%	\$48,291.02	\$50,579.86	\$2,288.84	4.74%
100,000	\$18,565.31	\$21,141.51	\$2,576.20	13.88%	\$32,260.47	\$32,086.60	-\$173.87	-0.54%	\$50,825.78	\$53,228.11	\$2,402.33	4.73%
105,000	\$19,487.05	\$22,185.42	\$2,698.37	13.85%	\$33,873.50	\$33,690.93	-\$182.56	-0.54%	\$53,360.54	\$55,876.35	\$2,515.81	4.71%
110,000	\$20,408.78	\$23,229.34	\$2,820.55	13.82%	\$35,486.52	\$35,295.26	-\$191.25	-0.54%	\$55,895.30	\$58,524.60	\$2,629.30	4.70%
115,000	\$21,330.52	\$24,273.25	\$2,942.73	13.80%	\$37,099.54	\$36,899.59	-\$199.95	-0.54%	\$58,430.06	\$61,172.84	\$2,742.78	4.69%
Current					Proposed					Difference	Change	
First 10 therms				\$120.33				\$250.00		\$129.67	107.76%	
Next 990 therms				\$0.165700				\$0.207125		\$0.041	25.00%	
Over 1,000 therms				\$0.155000				\$0.193750		\$0.039	25.00%	
Billing & Payment Processing				\$0.760000				\$0.980000		\$0.220	28.95%	
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.014400				\$0.000000		(\$0.014)	-100.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000		\$0.000	0.00%	
System Benefits Charge				\$0.005400				\$0.005400		\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900		\$0.000	0.00%	
Monthly Cost of Gas				\$0.293542				\$0.293175		(\$0.000)	-0.13%	
Merchant Function Charge				\$0.014076				\$0.012785		(\$0.001)	-9.17%	
GRT on Delivery				0.176000%				0.176000%		\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%		\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%		\$0.000	0.00%	
MTA on Supply				2.407000%				2.407000%		\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4A-CNG - Compressed Natural Gas Service

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$124.22	\$257.47	\$133.25	107.27%	\$0.00	\$0.00	\$0.00	0.00%	\$124.22	\$257.47	\$133.25	107.27%
10	\$124.37	\$257.47	\$133.10	107.02%	\$3.11	\$3.09	-\$0.02	-0.54%	\$127.48	\$260.56	\$133.09	104.40%
50	\$131.76	\$265.97	\$134.21	101.86%	\$15.53	\$15.45	-\$0.08	-0.54%	\$147.29	\$281.42	\$134.13	91.06%
100	\$141.00	\$276.60	\$135.60	96.17%	\$31.06	\$30.89	-\$0.17	-0.54%	\$172.06	\$307.49	\$135.43	78.71%
500	\$214.90	\$361.59	\$146.69	68.26%	\$155.30	\$154.46	-\$0.84	-0.54%	\$370.20	\$516.05	\$145.85	39.40%
1,000	\$307.28	\$467.83	\$160.55	52.25%	\$310.59	\$308.92	-\$1.67	-0.54%	\$617.88	\$776.75	\$158.88	25.71%
5,000	\$1,002.41	\$1,262.88	\$260.47	25.98%	\$1,552.97	\$1,544.61	-\$8.36	-0.54%	\$2,555.38	\$2,807.50	\$252.11	9.87%
10,000	\$1,871.33	\$2,256.70	\$385.37	20.59%	\$3,105.94	\$3,089.22	-\$16.72	-0.54%	\$4,977.27	\$5,345.92	\$368.65	7.41%
15,000	\$2,740.24	\$3,250.51	\$510.27	18.62%	\$4,658.91	\$4,633.83	-\$25.08	-0.54%	\$7,399.15	\$7,884.35	\$485.19	6.56%
20,000	\$3,609.16	\$4,244.33	\$635.17	17.60%	\$6,211.88	\$6,178.45	-\$33.44	-0.54%	\$9,821.04	\$10,422.77	\$601.73	6.13%
25,000	\$4,478.07	\$5,238.14	\$760.07	16.97%	\$7,764.85	\$7,723.06	-\$41.79	-0.54%	\$12,242.92	\$12,961.20	\$718.27	5.87%
30,000	\$5,346.98	\$6,231.95	\$884.97	16.55%	\$9,317.82	\$9,267.67	-\$50.15	-0.54%	\$14,664.81	\$15,499.62	\$834.82	5.69%
35,000	\$6,215.90	\$7,225.77	\$1,009.87	16.25%	\$10,870.79	\$10,812.28	-\$58.51	-0.54%	\$17,086.69	\$18,038.05	\$951.36	5.57%
40,000	\$7,084.81	\$8,219.58	\$1,134.77	16.02%	\$12,423.76	\$12,356.89	-\$66.87	-0.54%	\$19,508.58	\$20,576.47	\$1,067.90	5.47%
45,000	\$7,953.72	\$9,213.39	\$1,259.67	15.84%	\$13,976.74	\$13,901.50	-\$75.23	-0.54%	\$21,930.46	\$23,114.90	\$1,184.44	5.40%
50,000	\$8,822.64	\$10,207.21	\$1,384.57	15.69%	\$15,529.71	\$15,446.12	-\$83.59	-0.54%	\$24,352.34	\$25,653.32	\$1,300.98	5.34%
55,000	\$9,691.55	\$11,201.02	\$1,509.47	15.58%	\$17,082.68	\$16,990.73	-\$91.95	-0.54%	\$26,774.23	\$28,191.75	\$1,417.52	5.29%
Typical	\$10,560.47	\$12,194.84	\$1,634.37	15.48%	\$18,635.65	\$18,535.34	-\$100.31	-0.54%	\$29,196.11	\$30,730.18	\$1,534.06	5.25%
65,000	\$11,429.38	\$13,188.65	\$1,759.27	15.39%	\$20,188.62	\$20,079.95	-\$108.67	-0.54%	\$31,618.00	\$33,268.60	\$1,650.60	5.22%
70,000	\$12,298.29	\$14,182.46	\$1,884.17	15.32%	\$21,741.59	\$21,624.56	-\$117.03	-0.54%	\$34,039.88	\$35,807.03	\$1,767.14	5.19%
75,000	\$13,167.21	\$15,176.28	\$2,009.07	15.26%	\$23,294.56	\$23,169.17	-\$125.38	-0.54%	\$36,461.77	\$38,345.45	\$1,883.68	5.17%
80,000	\$14,036.12	\$16,170.09	\$2,133.97	15.20%	\$24,847.53	\$24,713.79	-\$133.74	-0.54%	\$38,883.65	\$40,883.88	\$2,000.23	5.14%
85,000	\$14,905.04	\$17,163.91	\$2,258.87	15.16%	\$26,400.50	\$26,258.40	-\$142.10	-0.54%	\$41,305.54	\$43,422.30	\$2,116.77	5.12%
90,000	\$15,773.95	\$18,157.72	\$2,383.77	15.11%	\$27,953.47	\$27,803.01	-\$150.46	-0.54%	\$43,727.42	\$45,960.73	\$2,233.31	5.11%
95,000	\$16,642.86	\$19,151.53	\$2,508.67	15.07%	\$29,506.44	\$29,347.62	-\$158.82	-0.54%	\$46,149.31	\$48,499.15	\$2,349.85	5.09%
100,000	\$17,511.78	\$20,145.35	\$2,633.57	15.04%	\$31,059.41	\$30,892.23	-\$167.18	-0.54%	\$48,571.19	\$51,037.58	\$2,466.39	5.08%
105,000	\$18,380.69	\$21,139.16	\$2,758.47	15.01%	\$32,612.38	\$32,436.84	-\$175.54	-0.54%	\$50,993.07	\$53,576.00	\$2,582.93	5.07%
110,000	\$19,249.61	\$22,132.97	\$2,883.37	14.98%	\$34,165.35	\$33,981.46	-\$183.90	-0.54%	\$53,414.96	\$56,114.43	\$2,699.47	5.05%
115,000	\$20,118.52	\$23,126.79	\$3,008.27	14.95%	\$35,718.32	\$35,526.07	-\$192.26	-0.54%	\$55,836.84	\$58,652.86	\$2,816.01	5.04%
120,000	\$20,987.43	\$24,120.60	\$3,133.17	14.93%	\$37,271.29	\$37,070.68	-\$200.62	-0.54%	\$58,258.73	\$61,191.28	\$2,932.55	5.03%
125,000	\$21,856.35	\$25,114.42	\$3,258.07	14.91%	\$38,824.26	\$38,615.29	-\$208.97	-0.54%	\$60,680.61	\$63,729.71	\$3,049.09	5.02%
130,000	\$22,725.26	\$26,108.23	\$3,382.97	14.89%	\$40,377.24	\$40,159.90	-\$217.33	-0.54%	\$63,102.50	\$66,268.13	\$3,165.64	5.02%
Current					Proposed				Difference			Change
First 10 therms				\$120.33				\$250.00	\$129.67			107.76%
Next 990 therms				\$0.165700				\$0.207125	\$0.041			25.00%
Over 1,000 therms				\$0.155000				\$0.193750	\$0.039			25.00%
Billing & Payment Processing				\$0.760000				\$0.980000	\$0.220			28.95%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.014400				\$0.000000	(\$0.014)			-100.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.000			0.00%
System Benefits Charge				\$0.000000				\$0.000000	\$0.000			0.00%
Energy Efficiency Surcharge				\$0.000000				\$0.000000	\$0.000			0.00%
Monthly Cost of Gas				\$0.288778				\$0.288434	(\$0.000)			-0.12%
Merchant Function Charge				\$0.013983				\$0.012697	(\$0.001)			-9.20%
GRT on Delivery				2.407000%				2.407000%	\$0.000			0.00%
GRT on Supply				2.407000%				2.407000%	\$0.000			0.00%
MTA on Delivery				0.176000%				0.176000%	\$0.000			0.00%
MTA on Supply				0.176000%				0.176000%	\$0.000			0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4B - Year-Round Air Conditioning Service (Non -Residential)

	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
Therm Usage													
0	\$102.86	\$134.37	\$31.50	30.63%	\$0.00	\$0.00	\$0.00	0.00%	\$102.86	\$134.37	\$31.50	30.63%	
10	\$110.12	\$143.07	\$32.96	29.93%	\$3.51	\$3.49	-\$0.02	-0.55%	\$113.62	\$146.56	\$32.94	28.99%	
50	\$142.16	\$181.70	\$39.54	27.81%	\$17.53	\$17.43	-\$0.10	-0.55%	\$159.69	\$199.13	\$39.44	24.70%	
100	\$182.22	\$229.98	\$47.77	26.21%	\$35.06	\$34.87	-\$0.19	-0.55%	\$217.28	\$264.85	\$47.57	21.90%	
200	\$262.33	\$326.55	\$64.22	24.48%	\$70.12	\$69.73	-\$0.38	-0.55%	\$332.45	\$396.28	\$63.84	19.20%	
300	\$292.28	\$360.19	\$67.90	23.23%	\$105.18	\$104.60	-\$0.58	-0.55%	\$397.46	\$464.79	\$67.33	16.94%	
400	\$322.24	\$393.83	\$71.59	22.22%	\$140.24	\$139.47	-\$0.77	-0.55%	\$462.48	\$533.29	\$70.82	15.31%	
500	\$352.19	\$427.46	\$75.27	21.37%	\$175.30	\$174.34	-\$0.96	-0.55%	\$527.49	\$601.80	\$74.31	14.09%	
750	\$427.08	\$511.56	\$84.48	19.78%	\$262.95	\$261.50	-\$1.44	-0.55%	\$690.03	\$773.06	\$83.04	12.03%	
1,000	\$501.97	\$595.66	\$93.68	18.66%	\$350.60	\$348.67	-\$1.92	-0.55%	\$852.57	\$944.33	\$91.76	10.76%	
1,250	\$576.86	\$679.75	\$102.89	17.84%	\$438.24	\$435.84	-\$2.40	-0.55%	\$1,015.10	\$1,115.59	\$100.49	9.90%	
1,500	\$651.75	\$763.85	\$112.10	17.20%	\$525.89	\$523.01	-\$2.88	-0.55%	\$1,177.64	\$1,286.86	\$109.22	9.27%	
1,750	\$726.64	\$847.94	\$121.31	16.69%	\$613.54	\$610.18	-\$3.36	-0.55%	\$1,340.18	\$1,458.12	\$117.94	8.80%	
2,000	\$801.53	\$932.04	\$130.51	16.28%	\$701.19	\$697.35	-\$3.84	-0.55%	\$1,502.72	\$1,629.38	\$126.67	8.43%	
2,250	\$876.41	\$1,016.13	\$139.72	15.94%	\$788.84	\$784.51	-\$4.33	-0.55%	\$1,665.25	\$1,800.65	\$135.40	8.13%	
2,500	\$951.30	\$1,100.23	\$148.93	15.66%	\$876.49	\$871.68	-\$4.81	-0.55%	\$1,827.79	\$1,971.91	\$144.12	7.89%	
2,750	\$1,026.19	\$1,184.33	\$158.14	15.41%	\$964.14	\$958.85	-\$5.29	-0.55%	\$1,990.33	\$2,143.18	\$152.85	7.68%	
Typical	\$3,000	\$1,101.08	\$1,268.42	\$167.34	15.20%	\$1,051.79	\$1,046.02	-\$5.77	-0.55%	\$2,152.87	\$2,314.44	\$161.58	7.51%
3,250	\$1,175.97	\$1,352.52	\$176.55	15.01%	\$1,139.43	\$1,133.19	-\$6.25	-0.55%	\$2,315.40	\$2,485.71	\$170.30	7.36%	
3,500	\$1,250.86	\$1,436.61	\$185.76	14.85%	\$1,227.08	\$1,220.35	-\$6.73	-0.55%	\$2,477.94	\$2,656.97	\$179.03	7.22%	
3,750	\$1,325.75	\$1,520.71	\$194.96	14.71%	\$1,314.73	\$1,307.52	-\$7.21	-0.55%	\$2,640.48	\$2,828.23	\$187.76	7.11%	
4,000	\$1,400.63	\$1,604.81	\$204.17	14.58%	\$1,402.38	\$1,394.69	-\$7.69	-0.55%	\$2,803.02	\$2,999.50	\$196.48	7.01%	
4,250	\$1,475.52	\$1,688.90	\$213.38	14.46%	\$1,490.03	\$1,481.86	-\$8.17	-0.55%	\$2,965.55	\$3,170.76	\$205.21	6.92%	
4,500	\$1,550.41	\$1,773.00	\$222.59	14.36%	\$1,577.68	\$1,569.03	-\$8.65	-0.55%	\$3,128.09	\$3,342.03	\$213.94	6.84%	
4,750	\$1,625.30	\$1,857.09	\$231.79	14.26%	\$1,665.33	\$1,656.20	-\$9.13	-0.55%	\$3,290.63	\$3,513.29	\$222.66	6.77%	
5,000	\$1,700.19	\$1,941.19	\$241.00	14.17%	\$1,752.98	\$1,743.36	-\$9.61	-0.55%	\$3,453.17	\$3,684.55	\$231.39	6.70%	
5,250	\$1,775.08	\$2,025.29	\$250.21	14.10%	\$1,840.62	\$1,830.53	-\$10.09	-0.55%	\$3,615.70	\$3,855.82	\$240.12	6.64%	
5,500	\$1,849.97	\$2,109.38	\$259.41	14.02%	\$1,928.27	\$1,917.70	-\$10.57	-0.55%	\$3,778.24	\$4,027.08	\$248.84	6.59%	
5,750	\$1,924.86	\$2,193.48	\$268.62	13.96%	\$2,015.92	\$2,004.87	-\$11.05	-0.55%	\$3,940.78	\$4,198.35	\$257.57	6.54%	
6,000	\$1,999.74	\$2,277.57	\$277.83	13.89%	\$2,103.57	\$2,092.04	-\$11.53	-0.55%	\$4,103.31	\$4,369.61	\$266.30	6.49%	
6,250	\$2,074.63	\$2,361.67	\$287.04	13.84%	\$2,191.22	\$2,179.21	-\$12.01	-0.55%	\$4,265.85	\$4,540.87	\$275.02	6.45%	
6,500	\$2,149.52	\$2,445.76	\$296.24	13.78%	\$2,278.87	\$2,266.37	-\$12.49	-0.55%	\$4,428.39	\$4,712.14	\$283.75	6.41%	
Current					Proposed						Difference	Change	
First 1 therms				\$99.51				\$130.00			\$30.49	30.64%	
Next 199 therms				\$0.738900				\$0.927000			\$0.188	25.46%	
Over 200 therms				\$0.250000				\$0.313600			\$0.064	25.44%	
Billing & Payment Processing				\$0.760000				\$0.980000			\$0.220	28.95%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.027700				\$0.000000			(\$0.028)	-100.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.327028				\$0.326476			(\$0.001)	-0.17%	
Merchant Function Charge				\$0.014725				\$0.013403			(\$0.001)	-8.98%	
GRT on Delivery				2.407000%				2.407000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 7 - Seasonal Off-Peak Service

Therm Usage	Delivery				Commodity				Total					
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change		
-	\$41.31	\$41.54	\$0.23	0.55%	\$0.00	\$0.00	\$0.00	0.00%	\$41.31	\$41.54	\$0.23	0.55%		
3	\$41.40	\$41.55	\$0.16	0.38%	\$0.87	\$0.87	\$0.00	-0.54%	\$42.27	\$42.42	\$0.15	0.36%		
10	\$42.88	\$42.88	-\$0.01	-0.01%	\$2.90	\$2.88	-\$0.02	-0.54%	\$45.78	\$45.76	(\$0.02)	-0.05%		
20	\$45.00	\$44.76	-\$0.24	-0.53%	\$5.80	\$5.77	-\$0.03	-0.54%	\$50.80	\$50.53	(\$0.27)	-0.53%		
50	\$51.36	\$50.43	-\$0.93	-1.82%	\$14.50	\$14.42	-\$0.08	-0.54%	\$65.86	\$64.85	(\$1.01)	-1.54%		
100	\$61.97	\$59.87	-\$2.09	-3.38%	\$28.99	\$28.84	-\$0.16	-0.54%	\$90.96	\$88.71	(\$2.25)	-2.47%		
150	\$72.57	\$69.32	-\$3.25	-4.48%	\$43.49	\$43.26	-\$0.23	-0.54%	\$116.06	\$112.58	(\$3.49)	-3.00%		
200	\$83.17	\$78.76	-\$4.41	-5.30%	\$57.99	\$57.68	-\$0.31	-0.54%	\$141.16	\$136.44	(\$4.72)	-3.35%		
250	\$93.77	\$88.20	-\$5.57	-5.94%	\$72.49	\$72.10	-\$0.39	-0.54%	\$166.26	\$160.30	(\$5.96)	-3.58%		
300	\$104.38	\$97.65	-\$6.73	-6.45%	\$86.98	\$86.52	-\$0.47	-0.54%	\$191.36	\$184.16	(\$7.20)	-3.76%		
350	\$114.98	\$107.09	-\$7.89	-6.86%	\$101.48	\$100.94	-\$0.54	-0.54%	\$216.46	\$208.03	(\$8.43)	-3.90%		
400	\$125.58	\$116.53	-\$9.05	-7.21%	\$115.98	\$115.36	-\$0.62	-0.54%	\$241.56	\$231.89	(\$9.67)	-4.00%		
450	\$136.18	\$125.98	-\$10.21	-7.50%	\$130.48	\$129.78	-\$0.70	-0.54%	\$266.66	\$255.75	(\$10.91)	-4.09%		
500	\$146.79	\$135.42	-\$11.37	-7.74%	\$144.97	\$144.20	-\$0.78	-0.54%	\$291.76	\$279.61	(\$12.15)	-4.16%		
550	\$157.39	\$144.86	-\$12.53	-7.96%	\$159.47	\$158.61	-\$0.86	-0.54%	\$316.86	\$303.48	(\$13.38)	-4.22%		
Typical	\$167.99	\$154.31	-\$13.69	-8.15%	\$173.97	\$173.03	-\$0.93	-0.54%	\$341.96	\$327.34	(\$14.62)	-4.28%		
650	\$178.59	\$163.75	-\$14.84	-8.31%	\$188.47	\$187.45	-\$1.01	-0.54%	\$367.06	\$351.20	(\$15.86)	-4.32%		
700	\$189.20	\$173.19	-\$16.00	-8.46%	\$202.96	\$201.87	-\$1.09	-0.54%	\$392.16	\$375.06	(\$17.09)	-4.36%		
750	\$199.80	\$182.63	-\$17.16	-8.59%	\$217.46	\$216.29	-\$1.17	-0.54%	\$417.26	\$398.93	(\$18.33)	-4.39%		
800	\$210.40	\$192.08	-\$18.32	-8.71%	\$231.96	\$230.71	-\$1.25	-0.54%	\$442.36	\$422.79	(\$19.57)	-4.42%		
850	\$221.00	\$201.52	-\$19.48	-8.81%	\$246.45	\$245.13	-\$1.32	-0.54%	\$467.46	\$446.65	(\$20.80)	-4.45%		
900	\$231.60	\$210.96	-\$20.64	-8.91%	\$260.95	\$259.55	-\$1.40	-0.54%	\$492.56	\$470.52	(\$22.04)	-4.47%		
950	\$242.21	\$220.41	-\$21.80	-9.00%	\$275.45	\$273.97	-\$1.48	-0.54%	\$517.66	\$494.38	(\$23.28)	-4.50%		
1,000	\$252.81	\$229.85	-\$22.96	-9.08%	\$289.95	\$288.39	-\$1.56	-0.54%	\$542.76	\$518.24	(\$24.52)	-4.52%		
1,050	\$263.41	\$239.29	-\$24.12	-9.16%	\$304.44	\$302.81	-\$1.63	-0.54%	\$567.86	\$542.10	(\$25.75)	-4.54%		
1,100	\$274.01	\$248.74	-\$25.28	-9.22%	\$318.94	\$317.23	-\$1.71	-0.54%	\$592.96	\$565.97	(\$26.99)	-4.55%		
1,150	\$284.62	\$258.18	-\$26.44	-9.29%	\$333.44	\$331.65	-\$1.79	-0.54%	\$618.06	\$589.83	(\$28.23)	-4.57%		
1,200	\$295.22	\$267.62	-\$27.60	-9.35%	\$347.94	\$346.07	-\$1.87	-0.54%	\$643.16	\$613.69	(\$29.46)	-4.58%		
1,250	\$305.82	\$277.07	-\$28.76	-9.40%	\$362.43	\$360.49	-\$1.95	-0.54%	\$668.26	\$637.55	(\$30.70)	-4.59%		
1,300	\$316.42	\$286.51	-\$29.91	-9.45%	\$376.93	\$374.91	-\$2.02	-0.54%	\$693.36	\$661.42	(\$31.94)	-4.61%		
1,350	\$327.03	\$295.95	-\$31.07	-9.50%	\$391.43	\$389.33	-\$2.10	-0.54%	\$718.45	\$685.28	(\$33.18)	-4.62%		
1,400	\$337.63	\$305.40	-\$32.23	-9.55%	\$405.93	\$403.75	-\$2.18	-0.54%	\$743.55	\$709.14	(\$34.41)	-4.63%		
Current					Proposed				Difference				Change	
First 3 or Less	\$39.51								\$39.51				0.00%	
Over 3 Therms per Therm	\$0.178700								\$0.178700				0.00%	
Billing & Payment Processing	\$0.760000								\$0.980000				28.95%	
Delivery Rate Adjustment														
Site Investigation & Remediation Surcharge	\$0.022600								\$0.000000				(\$0.023)	-100.00%
Incremental State Assessment Surcharge	\$0.000000								\$0.000000				\$0.000	0.00%
System Benefits Charge	\$0.005400								\$0.005400				\$0.000	0.00%
Energy Efficiency Surcharge	\$0.000000								\$0.000000				\$0.000	0.00%
Monthly Cost of Gas	\$0.269034								\$0.268784				(\$0.000)	-0.09%
Merchant Function Charge	\$0.013601								\$0.012333				(\$0.001)	-9.32%
GRT on Delivery	2.407000%								2.407000%				\$0.000	0.00%
GRT on Supply	2.407000%								2.407000%				\$0.000	0.00%
MTA on Delivery	0.176000%								0.176000%				\$0.000	0.00%
MTA on Supply	2.407000%								2.407000%				\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1A - Residential Non Heat

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$16.42	\$17.53	\$1.11	6.76%	\$0.00	\$0.00	\$0.00	0.00%	\$16.42	\$17.53	\$1.11	6.76%	
3	\$16.47	\$17.58	\$1.11	6.74%	\$1.30	\$1.29	-\$0.01	-0.77%	\$17.77	\$18.87	\$1.10	6.19%	
5	\$18.15	\$20.10	\$1.96	10.78%	\$2.17	\$2.15	-\$0.02	-0.77%	\$20.32	\$22.26	\$1.94	9.55%	
7	\$19.83	\$22.63	\$2.80	14.14%	\$3.04	\$3.01	-\$0.02	-0.77%	\$22.86	\$25.64	\$2.78	12.16%	
Typical	10	\$22.35	\$26.42	\$4.07	18.23%	\$4.34	\$4.30	-\$0.03	-0.77%	\$26.68	\$30.72	\$4.04	15.14%
	15	\$26.55	\$32.74	\$6.19	23.32%	\$6.50	\$6.45	-\$0.05	-0.77%	\$33.05	\$39.19	\$6.14	18.58%
	20	\$30.75	\$39.05	\$8.31	27.02%	\$8.67	\$8.61	-\$0.07	-0.77%	\$39.42	\$47.66	\$8.24	20.91%
	25	\$34.95	\$45.37	\$10.43	29.83%	\$10.84	\$10.76	-\$0.08	-0.77%	\$45.79	\$56.13	\$10.34	22.59%
	30	\$39.15	\$51.69	\$12.54	32.04%	\$13.01	\$12.91	-\$0.10	-0.77%	\$52.15	\$64.60	\$12.44	23.86%
	35	\$43.35	\$58.01	\$14.66	33.82%	\$15.18	\$15.06	-\$0.12	-0.77%	\$58.52	\$73.07	\$14.54	24.85%
	40	\$47.55	\$64.32	\$16.78	35.29%	\$17.35	\$17.21	-\$0.13	-0.77%	\$64.89	\$81.53	\$16.64	25.65%
	45	\$51.74	\$70.64	\$18.89	36.51%	\$19.51	\$19.36	-\$0.15	-0.77%	\$71.26	\$90.00	\$18.74	26.30%
	50	\$55.94	\$76.96	\$21.01	37.56%	\$21.68	\$21.51	-\$0.17	-0.77%	\$77.63	\$98.47	\$20.84	26.85%
	55	\$57.86	\$79.81	\$21.95	37.95%	\$23.85	\$23.67	-\$0.18	-0.77%	\$81.71	\$103.48	\$21.77	26.64%
	60	\$59.77	\$82.66	\$22.90	38.31%	\$26.02	\$25.82	-\$0.20	-0.77%	\$85.79	\$108.48	\$22.70	26.46%
	65	\$61.68	\$85.52	\$23.84	38.65%	\$28.19	\$27.97	-\$0.22	-0.77%	\$89.87	\$113.49	\$23.62	26.29%
	70	\$63.59	\$88.37	\$24.78	38.97%	\$30.36	\$30.12	-\$0.23	-0.77%	\$93.95	\$118.49	\$24.55	26.13%
	75	\$65.50	\$91.23	\$25.72	39.27%	\$32.52	\$32.27	-\$0.25	-0.77%	\$98.02	\$123.50	\$25.47	25.99%
	80	\$67.41	\$94.08	\$26.67	39.56%	\$34.69	\$34.42	-\$0.27	-0.77%	\$102.10	\$128.50	\$26.40	25.85%
	85	\$69.32	\$96.93	\$27.61	39.83%	\$36.86	\$36.58	-\$0.28	-0.77%	\$106.18	\$133.51	\$27.32	25.73%
	90	\$71.24	\$99.79	\$28.55	40.08%	\$39.03	\$38.73	-\$0.30	-0.77%	\$110.26	\$138.51	\$28.25	25.62%
	100	\$75.06	\$105.50	\$30.44	40.55%	\$43.36	\$43.03	-\$0.33	-0.77%	\$118.42	\$148.53	\$30.10	25.42%
2017					2018						Difference	Change	
First 3 or Less				\$14.70				\$15.54			\$0.84	5.71%	
Next 47 Therms per Therm				\$0.787700				\$1.192000			\$0.404	51.33%	
Over 50 Therms per Therm				\$0.350700				\$0.530700			\$0.180	51.33%	
Billing & Payment Processing				\$0.980000				\$1.200000			\$0.220	22.45%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.407797				\$0.404400			(\$0.003)	-0.83%	
Merchant Function Charge				\$0.014911				\$0.015044			\$0.000	0.89%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1B - Residential Heat

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
0	\$23.60	\$23.83	\$0.23	0.98%	\$0.00	\$0.00	\$0.00	0.00%	\$23.60	\$23.83	\$0.23	0.98%
3	\$23.64	\$23.87	\$0.23	0.97%	\$1.30	\$1.29	-\$0.01	-0.77%	\$24.94	\$25.16	\$0.22	0.88%
10	\$29.48	\$30.91	\$1.44	4.87%	\$4.34	\$4.30	-\$0.03	-0.77%	\$33.81	\$35.22	\$1.40	4.15%
15	\$33.65	\$35.95	\$2.30	6.83%	\$6.50	\$6.45	-\$0.05	-0.77%	\$40.16	\$42.40	\$2.25	5.60%
20	\$37.83	\$40.98	\$3.16	8.35%	\$8.67	\$8.61	-\$0.07	-0.77%	\$46.50	\$49.59	\$3.09	6.65%
25	\$42.00	\$46.02	\$4.02	9.57%	\$10.84	\$10.76	-\$0.08	-0.77%	\$52.84	\$56.78	\$3.94	7.45%
30	\$46.17	\$51.05	\$4.88	10.57%	\$13.01	\$12.91	-\$0.10	-0.77%	\$59.18	\$63.96	\$4.78	8.08%
40	\$54.52	\$61.12	\$6.60	12.11%	\$17.35	\$17.21	-\$0.13	-0.77%	\$71.87	\$78.34	\$6.47	9.00%
50	\$62.87	\$71.19	\$8.33	13.25%	\$21.68	\$21.51	-\$0.17	-0.77%	\$84.55	\$92.71	\$8.16	9.65%
60	\$65.91	\$74.85	\$8.94	13.56%	\$26.02	\$25.82	-\$0.20	-0.77%	\$91.93	\$100.66	\$8.74	9.50%
70	\$68.95	\$78.50	\$9.55	13.85%	\$30.36	\$30.12	-\$0.23	-0.77%	\$99.30	\$108.62	\$9.31	9.38%
Typical	\$71.99	\$82.15	\$10.16	14.11%	\$34.69	\$34.42	-\$0.27	-0.77%	\$106.68	\$116.57	\$9.89	9.27%
100	\$78.07	\$89.45	\$11.38	14.58%	\$43.36	\$43.03	-\$0.33	-0.77%	\$121.44	\$132.48	\$11.05	9.10%
120	\$84.16	\$96.76	\$12.60	14.97%	\$52.04	\$51.64	-\$0.40	-0.77%	\$136.19	\$148.39	\$12.20	8.96%
140	\$90.24	\$104.06	\$13.82	15.32%	\$60.71	\$60.24	-\$0.47	-0.77%	\$150.95	\$164.30	\$13.35	8.85%
160	\$96.32	\$111.37	\$15.04	15.62%	\$69.38	\$68.85	-\$0.54	-0.77%	\$165.71	\$180.21	\$14.51	8.76%
180	\$102.41	\$118.67	\$16.27	15.88%	\$78.06	\$77.45	-\$0.60	-0.77%	\$180.46	\$196.12	\$15.66	8.68%
200	\$108.49	\$125.97	\$17.49	16.12%	\$86.73	\$86.06	-\$0.67	-0.77%	\$195.22	\$212.03	\$16.82	8.61%
220	\$114.57	\$133.28	\$18.71	16.33%	\$95.40	\$94.67	-\$0.74	-0.77%	\$209.97	\$227.94	\$17.97	8.56%
250	\$123.69	\$144.23	\$20.54	16.60%	\$108.41	\$107.57	-\$0.84	-0.77%	\$232.11	\$251.81	\$19.70	8.49%
300	\$138.90	\$162.49	\$23.59	16.98%	\$130.09	\$129.09	-\$1.00	-0.77%	\$269.00	\$291.58	\$22.59	8.40%
400	\$169.32	\$199.01	\$29.70	17.54%	\$173.46	\$172.12	-\$1.34	-0.77%	\$342.77	\$371.13	\$28.36	8.27%
2017					2018						Difference	Change
First 3 or Less			\$21.55				\$21.55				\$0.00	0.00%
Next 47 Therms per Therm			\$0.784600				\$0.949100				\$0.165	20.97%
Over 50 Therms per Therm			\$0.278000				\$0.336300				\$0.058	20.97%
Billing & Payment Processing			\$0.980000				\$1.200000				\$0.220	22.45%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
Incremental State Assessment Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
System Benefits Charge			\$0.003500				\$0.003500				\$0.000	0.00%
Energy Efficiency Surcharge			\$0.008900				\$0.008900				\$0.000	0.00%
Revenue Decoupling Mechanism			\$0.000000				\$0.000000				\$0.000	0.00%
Monthly Cost of Gas			\$0.407797				\$0.404400				(\$0.003)	-0.83%
Merchant Function Charge			\$0.014911				\$0.015044				\$0.000	0.89%
GRT on Delivery			4.548000%				4.548000%				\$0.000	0.00%
GRT on Supply			2.407000%				2.407000%				\$0.000	0.00%
MTA on Delivery			0.176000%				0.176000%				\$0.000	0.00%
MTA on Supply			0.176000%				0.176000%				\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1AR - Residential Non Heat Reduced Rate

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$13.28	\$14.39	\$1.11	8.36%	\$0.00	\$0.00	\$0.00	0.00%	\$13.28	\$14.39	\$1.11	8.36%	
3	\$13.32	\$14.44	\$1.11	8.33%	\$1.30	\$1.29	-\$0.01	-0.77%	\$14.63	\$15.73	\$1.10	7.52%	
5	\$15.00	\$16.96	\$1.96	13.04%	\$2.17	\$2.15	-\$0.02	-0.77%	\$17.17	\$19.11	\$1.94	11.30%	
Typical	7	\$16.68	\$19.49	\$2.80	16.81%	\$3.04	\$3.01	-\$0.02	-0.77%	\$19.72	\$22.50	\$2.78	14.10%
	10	\$19.20	\$23.28	\$4.07	21.21%	\$4.34	\$4.30	-\$0.03	-0.77%	\$23.54	\$27.58	\$4.04	17.16%
	15	\$23.40	\$29.60	\$6.19	26.45%	\$6.50	\$6.45	-\$0.05	-0.77%	\$29.91	\$36.05	\$6.14	20.53%
	20	\$27.60	\$35.91	\$8.31	30.10%	\$8.67	\$8.61	-\$0.07	-0.77%	\$36.28	\$44.52	\$8.24	22.72%
	25	\$31.80	\$42.23	\$10.43	32.78%	\$10.84	\$10.76	-\$0.08	-0.77%	\$42.64	\$52.99	\$10.34	24.25%
	30	\$36.00	\$48.55	\$12.54	34.84%	\$13.01	\$12.91	-\$0.10	-0.77%	\$49.01	\$61.46	\$12.44	25.39%
	35	\$40.20	\$54.86	\$14.66	36.46%	\$15.18	\$15.06	-\$0.12	-0.77%	\$55.38	\$69.92	\$14.54	26.26%
	40	\$44.40	\$61.18	\$16.78	37.78%	\$17.35	\$17.21	-\$0.13	-0.77%	\$61.75	\$78.39	\$16.64	26.95%
	45	\$48.60	\$67.50	\$18.89	38.87%	\$19.51	\$19.36	-\$0.15	-0.77%	\$68.12	\$86.86	\$18.74	27.52%
	50	\$52.80	\$73.81	\$21.01	39.79%	\$21.68	\$21.51	-\$0.17	-0.77%	\$74.48	\$95.33	\$20.84	27.98%
	55	\$54.71	\$76.67	\$21.95	40.13%	\$23.85	\$23.67	-\$0.18	-0.77%	\$78.56	\$100.33	\$21.77	27.71%
	60	\$56.63	\$79.52	\$22.90	40.44%	\$26.02	\$25.82	-\$0.20	-0.77%	\$82.64	\$105.34	\$22.70	27.46%
	65	\$58.54	\$82.38	\$23.84	40.73%	\$28.19	\$27.97	-\$0.22	-0.77%	\$86.72	\$110.34	\$23.62	27.24%
	70	\$60.45	\$85.23	\$24.78	41.00%	\$30.35	\$30.12	-\$0.23	-0.77%	\$90.80	\$115.35	\$24.55	27.03%
	75	\$62.36	\$88.08	\$25.72	41.25%	\$32.52	\$32.27	-\$0.25	-0.77%	\$94.88	\$120.36	\$25.47	26.85%
	80	\$64.27	\$90.94	\$26.67	41.49%	\$34.69	\$34.42	-\$0.27	-0.77%	\$98.96	\$125.36	\$26.40	26.68%
	85	\$66.18	\$93.79	\$27.61	41.72%	\$36.86	\$36.57	-\$0.28	-0.77%	\$103.04	\$130.37	\$27.32	26.52%
	90	\$68.09	\$96.65	\$28.55	41.93%	\$39.03	\$38.73	-\$0.30	-0.77%	\$107.12	\$135.37	\$28.25	26.37%
	100	\$71.92	\$102.35	\$30.44	42.32%	\$43.36	\$43.03	-\$0.33	-0.77%	\$115.28	\$145.38	\$30.10	26.11%
	2017				2018						Difference	Change	
First 3 or Less				\$11.70				\$12.54			\$0.84	7.18%	
Next 47 Therms per Therm				\$0.787700				\$1.192000			\$0.404	51.33%	
Over 50 Therms per Therm				\$0.350700				\$0.530700			\$0.180	51.33%	
Billing & Payment Processing				\$0.980000				\$1.200000			\$0.220	22.45%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	#DIV/0!	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	#DIV/0!	
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.407797				\$0.404400			(\$0.003)	-0.83%	
Merchant Function Charge				\$0.014911				\$0.015044			\$0.000	0.89%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.175000%				0.175000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1B-DG - Residential Heat Distributed Generation

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$34.03	\$34.25	\$0.22	0.65%	\$0.00	\$0.00	\$0.00	0.00%	\$34.03	\$34.25	\$0.22	0.65%	
3	\$34.07	\$34.29	\$0.22	0.65%	\$1.36	\$1.35	-\$0.01	-0.77%	\$35.42	\$35.63	\$0.21	0.59%	
10	\$35.11	\$35.33	\$0.22	0.63%	\$4.53	\$4.49	-\$0.03	-0.77%	\$39.63	\$39.82	\$0.19	0.47%	
15	\$35.85	\$36.07	\$0.22	0.62%	\$6.79	\$6.74	-\$0.05	-0.77%	\$42.64	\$42.81	\$0.17	0.39%	
20	\$36.60	\$36.82	\$0.22	0.60%	\$9.05	\$8.98	-\$0.07	-0.77%	\$45.65	\$45.80	\$0.15	0.33%	
30	\$38.09	\$38.31	\$0.22	0.58%	\$13.58	\$13.47	-\$0.10	-0.77%	\$51.66	\$51.78	\$0.12	0.22%	
40	\$39.58	\$39.80	\$0.22	0.56%	\$18.10	\$17.96	-\$0.14	-0.77%	\$57.68	\$57.76	\$0.08	0.14%	
50	\$41.07	\$41.29	\$0.22	0.54%	\$22.63	\$22.45	-\$0.17	-0.77%	\$63.69	\$63.74	\$0.05	0.07%	
75	\$44.79	\$45.01	\$0.22	0.49%	\$33.94	\$33.68	-\$0.26	-0.77%	\$78.73	\$78.69	(\$0.04)	-0.05%	
100	\$48.51	\$48.73	\$0.22	0.46%	\$45.26	\$44.91	-\$0.35	-0.77%	\$93.77	\$93.64	(\$0.13)	-0.14%	
125	\$52.24	\$52.46	\$0.22	0.42%	\$56.57	\$56.13	-\$0.44	-0.77%	\$108.81	\$108.59	(\$0.22)	-0.20%	
Typical	150	\$55.96	\$56.18	\$0.22	0.39%	\$67.89	\$67.36	-\$0.52	-0.77%	\$123.84	\$123.54	(\$0.30)	-0.25%
	175	\$59.68	\$59.90	\$0.22	0.37%	\$79.20	\$78.59	-\$0.61	-0.77%	\$138.88	\$138.49	(\$0.39)	-0.28%
	200	\$63.40	\$63.63	\$0.22	0.35%	\$90.51	\$89.82	-\$0.70	-0.77%	\$153.92	\$153.44	(\$0.48)	-0.31%
	225	\$67.13	\$67.35	\$0.22	0.33%	\$101.83	\$101.04	-\$0.79	-0.77%	\$168.96	\$168.39	(\$0.57)	-0.33%
	250	\$70.85	\$71.07	\$0.22	0.31%	\$113.14	\$112.27	-\$0.87	-0.77%	\$183.99	\$183.34	(\$0.65)	-0.35%
	275	\$74.57	\$74.79	\$0.22	0.30%	\$124.46	\$123.50	-\$0.96	-0.77%	\$199.03	\$198.29	(\$0.74)	-0.37%
	300	\$78.30	\$78.52	\$0.22	0.28%	\$135.77	\$134.72	-\$1.05	-0.77%	\$214.07	\$213.24	(\$0.83)	-0.39%
	325	\$82.02	\$82.24	\$0.22	0.27%	\$147.09	\$145.95	-\$1.14	-0.77%	\$229.11	\$228.19	(\$0.92)	-0.40%
	350	\$85.74	\$85.96	\$0.22	0.26%	\$158.40	\$157.18	-\$1.22	-0.77%	\$244.14	\$243.14	(\$1.00)	-0.41%
	375	\$89.47	\$89.69	\$0.22	0.25%	\$169.71	\$168.40	-\$1.31	-0.77%	\$259.18	\$258.09	(\$1.09)	-0.42%
	400	\$93.19	\$93.41	\$0.22	0.24%	\$181.03	\$179.63	-\$1.40	-0.77%	\$274.22	\$273.04	(\$1.18)	-0.43%
	2017				2018						Difference	Change	
First 3 or Less				\$32.93				\$32.93			\$0.00	0.00%	
Next 47 Therms per Therm				\$0.136000				\$0.136000			\$0.000	0.00%	
Over 50 Therms per Therm				\$0.000000				\$0.000000			\$0.000	0.00%	
Billing & Payment Processing				\$0.980000				\$1.200000			\$0.220	22.45%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	#DIV/0!	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.003500				\$0.003500			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.407797				\$0.404400			(\$0.003)	-0.83%	
Merchant Function Charge				\$0.014911				\$0.015044			\$0.000	0.89%	
GRT on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				4.548000%				4.548000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1 BR - Residential Heat Reduced Rate (Tier 1)

Therm Usage	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
0	\$10.84	\$3.93	-\$6.91	-63.77%	\$0.00	\$0.00	\$0.00	0.00%	\$10.84	\$3.93	(\$6.91)	-63.77%	
3	\$10.88	\$3.97	-\$6.91	-63.54%	\$1.30	\$1.29	-\$0.01	-0.77%	\$12.18	\$5.26	(\$6.92)	-56.84%	
Typical	10	\$16.72	\$11.02	-\$5.71	-34.13%	\$4.34	\$4.30	-\$0.03	-0.77%	\$21.06	\$15.32	(\$5.74)	-27.26%
	15	\$20.90	\$16.05	-\$4.84	-23.19%	\$6.50	\$6.45	-\$0.05	-0.77%	\$27.40	\$22.50	(\$4.90)	-17.87%
	20	\$25.07	\$21.09	-\$3.98	-15.89%	\$8.67	\$8.61	-\$0.07	-0.77%	\$33.74	\$29.69	(\$4.05)	-12.00%
	25	\$29.24	\$26.12	-\$3.12	-10.68%	\$10.84	\$10.76	-\$0.08	-0.77%	\$40.08	\$36.88	(\$3.21)	-8.00%
	30	\$33.42	\$31.16	-\$2.26	-6.77%	\$13.01	\$12.91	-\$0.10	-0.77%	\$46.43	\$44.06	(\$2.36)	-5.09%
	40	\$41.76	\$41.23	-\$0.54	-1.29%	\$17.35	\$17.21	-\$0.13	-0.77%	\$59.11	\$58.44	(\$0.67)	-1.14%
	50	\$50.11	\$51.30	\$1.19	2.36%	\$21.68	\$21.51	-\$0.17	-0.77%	\$71.79	\$72.81	\$1.02	1.42%
	60	\$53.15	\$54.95	\$1.80	3.38%	\$26.02	\$25.82	-\$0.20	-0.77%	\$79.17	\$80.76	\$1.59	2.01%
	70	\$56.19	\$58.60	\$2.41	4.28%	\$30.35	\$30.12	-\$0.23	-0.77%	\$86.55	\$88.72	\$2.17	2.51%
	80	\$59.23	\$62.25	\$3.02	5.09%	\$34.69	\$34.42	-\$0.27	-0.77%	\$93.93	\$96.67	\$2.75	2.93%
	100	\$65.32	\$69.56	\$4.24	6.49%	\$43.36	\$43.03	-\$0.33	-0.77%	\$108.68	\$112.58	\$3.90	3.59%
	120	\$71.40	\$76.86	\$5.46	7.65%	\$52.04	\$51.63	-\$0.40	-0.77%	\$123.44	\$128.49	\$5.06	4.10%
	140	\$77.48	\$84.16	\$6.68	8.62%	\$60.71	\$60.24	-\$0.47	-0.77%	\$138.19	\$144.40	\$6.21	4.49%
	160	\$83.57	\$91.47	\$7.90	9.46%	\$69.38	\$68.85	-\$0.54	-0.77%	\$152.95	\$160.31	\$7.37	4.82%
	180	\$89.65	\$98.77	\$9.12	10.18%	\$78.06	\$77.45	-\$0.60	-0.77%	\$167.70	\$176.22	\$8.52	5.08%
	200	\$95.73	\$106.08	\$10.34	10.81%	\$86.73	\$86.06	-\$0.67	-0.77%	\$182.46	\$192.13	\$9.67	5.30%
	220	\$101.81	\$113.38	\$11.57	11.36%	\$95.40	\$94.66	-\$0.74	-0.77%	\$197.22	\$208.04	\$10.83	5.49%
	250	\$110.94	\$124.34	\$13.40	12.08%	\$108.41	\$107.57	-\$0.84	-0.77%	\$219.35	\$231.91	\$12.56	5.73%
	300	\$126.15	\$142.60	\$16.45	13.04%	\$130.09	\$129.09	-\$1.00	-0.77%	\$256.24	\$271.68	\$15.45	6.03%
	400	\$156.56	\$179.12	\$22.56	14.41%	\$173.46	\$172.12	-\$1.34	-0.77%	\$330.02	\$351.23	\$21.22	6.43%
	2017				2018						Difference	Change	
First 3 or Less				\$9.37				\$2.55			(\$6.82)	-72.79%	
Next 47 Therms per Therm				\$0.784600				\$0.949100			\$0.165	20.97%	
Over 50 Therms per Therm				\$0.278000				\$0.336300			\$0.058	20.97%	
Billing & Payment Processing				\$0.980000				\$1.200000			\$0.220	22.45%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.003500				\$0.003500			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.407797				\$0.404400			(\$0.003)	-0.83%	
Merchant Function Charge				\$0.014911				\$0.015044			\$0.000	0.89%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.175000%				0.175000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1 BR - Residential Heat Reduced Rate (Tier 2)

Therm Usage	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
0	\$10.84	-\$12.83	-\$23.67	-218.36%	\$0.00	\$0.00	\$0.00	0.00%	\$10.84	-\$12.83	(\$23.67)	-218.36%	
3	\$10.88	-\$12.79	-\$23.67	-217.58%	\$1.30	\$1.29	-\$0.01	-0.77%	\$12.18	-\$11.50	(\$23.68)	-194.42%	
Typical	10	\$16.72	-\$5.74	-\$22.46	-134.34%	\$4.34	\$4.30	-\$0.03	-0.77%	\$21.06	-\$1.44	(\$22.50)	-106.83%
15	\$20.90	-\$0.71	-\$21.60	-103.38%	\$6.50	\$6.45	-\$0.05	-0.77%	\$27.40	\$5.75	(\$21.65)	-79.02%	
20	\$25.07	\$4.33	-\$20.74	-82.73%	\$8.67	\$8.61	-\$0.07	-0.77%	\$33.74	\$12.93	(\$20.81)	-61.67%	
25	\$29.24	\$9.36	-\$19.88	-67.98%	\$10.84	\$10.76	-\$0.08	-0.77%	\$40.08	\$20.12	(\$19.96)	-49.80%	
30	\$33.42	\$14.40	-\$19.02	-56.91%	\$13.01	\$12.91	-\$0.10	-0.77%	\$46.43	\$27.31	(\$19.12)	-41.18%	
40	\$41.76	\$24.47	-\$17.29	-41.41%	\$17.35	\$17.21	-\$0.13	-0.77%	\$59.11	\$41.68	(\$17.43)	-29.49%	
50	\$50.11	\$34.54	-\$15.57	-31.08%	\$21.68	\$21.51	-\$0.17	-0.77%	\$71.79	\$56.05	(\$15.74)	-21.92%	
60	\$53.15	\$38.19	-\$14.96	-28.15%	\$26.02	\$25.82	-\$0.20	-0.77%	\$79.17	\$64.01	(\$15.16)	-19.15%	
70	\$56.19	\$41.84	-\$14.35	-25.54%	\$30.35	\$30.12	-\$0.23	-0.77%	\$86.55	\$71.96	(\$14.59)	-16.85%	
80	\$59.23	\$45.49	-\$13.74	-23.20%	\$34.69	\$34.42	-\$0.27	-0.77%	\$93.93	\$79.92	(\$14.01)	-14.91%	
100	\$65.32	\$52.80	-\$12.52	-19.17%	\$43.36	\$43.03	-\$0.33	-0.77%	\$108.68	\$95.83	(\$12.85)	-11.83%	
120	\$71.40	\$60.10	-\$11.30	-15.82%	\$52.04	\$51.63	-\$0.40	-0.77%	\$123.44	\$111.74	(\$11.70)	-9.48%	
140	\$77.48	\$67.41	-\$10.08	-13.01%	\$60.71	\$60.24	-\$0.47	-0.77%	\$138.19	\$127.65	(\$10.55)	-7.63%	
160	\$83.57	\$74.71	-\$8.86	-10.60%	\$69.38	\$68.85	-\$0.54	-0.77%	\$152.95	\$143.56	(\$9.39)	-6.14%	
180	\$89.65	\$82.01	-\$7.63	-8.52%	\$78.06	\$77.45	-\$0.60	-0.77%	\$167.70	\$159.47	(\$8.24)	-4.91%	
200	\$95.73	\$89.32	-\$6.41	-6.70%	\$86.73	\$86.06	-\$0.67	-0.77%	\$182.46	\$175.38	(\$7.08)	-3.88%	
220	\$101.81	\$96.62	-\$5.19	-5.10%	\$95.40	\$94.66	-\$0.74	-0.77%	\$197.22	\$191.29	(\$5.93)	-3.01%	
250	\$110.94	\$107.58	-\$3.36	-3.03%	\$108.41	\$107.57	-\$0.84	-0.77%	\$219.35	\$215.15	(\$4.20)	-1.91%	
300	\$126.15	\$125.84	-\$0.31	-0.24%	\$130.09	\$129.09	-\$1.00	-0.77%	\$256.24	\$254.93	(\$1.31)	-0.51%	
400	\$156.56	\$162.36	\$5.80	3.70%	\$173.46	\$172.12	-\$1.34	-0.77%	\$330.02	\$334.47	\$4.46	1.35%	
Current					Proposed				Difference	Change			
First 3 or Less	\$9.37				-\$13.45				(\$22.82)	-243.54%			
Next 47 Therms per Therm	\$0.784600				\$0.949100				\$0.165	20.97%			
Over 50 Therms per Therm	\$0.278000				\$0.336300				\$0.058	20.97%			
Billing & Payment Processing	\$0.980000				\$1.200000				\$0.220	22.45%			
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge	\$0.000000				\$0.000000				\$0.000	0.00%			
Incremental State Assessment Surcharge	\$0.000000				\$0.000000				\$0.000	0.00%			
Revenue Decoupling Mechanism	\$0.000000				\$0.000000				\$0.000	0.00%			
System Benefits Charge	\$0.003500				\$0.003500				\$0.000	0.00%			
Energy Efficiency Surcharge	\$0.008900				\$0.008900				\$0.000	0.00%			
Monthly Cost of Gas	\$0.407797				\$0.404400				(\$0.003)	-0.83%			
Merchant Function Charge	\$0.014911				\$0.015044				\$0.000	0.89%			
GRT on Delivery	4.548000%				4.548000%				\$0.000	0.00%			
GRT on Supply	2.407000%				2.407000%				\$0.000	0.00%			
MTA on Delivery	0.176000%				0.176000%				\$0.000	0.00%			
MTA on Supply	0.175000%				0.175000%				\$0.000	0.00%			

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1 BR - Residential Heat Reduced Rate (Tier 3)

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
0	\$10.84	-\$30.63	-\$41.47	-382.61%	\$0.00	\$0.00	\$0.00	0.00%	\$10.84	-\$30.63	(\$41.47)	-382.61%
3	\$10.88	-\$30.60	-\$41.47	-381.24%	\$1.30	\$1.29	-\$0.01	-0.77%	\$12.18	-\$29.30	(\$41.48)	-340.60%
Typical												
10	\$16.72	-\$23.55	-\$40.27	-240.81%	\$4.34	\$4.30	-\$0.03	-0.77%	\$21.06	-\$19.24	(\$40.30)	-191.38%
15	\$20.90	-\$18.51	-\$39.41	-188.59%	\$6.50	\$6.45	-\$0.05	-0.77%	\$27.40	-\$12.06	(\$39.46)	-144.00%
20	\$25.07	-\$13.48	-\$38.55	-153.76%	\$8.67	\$8.61	-\$0.07	-0.77%	\$33.74	-\$4.87	(\$38.61)	-114.43%
25	\$29.24	-\$8.44	-\$37.68	-128.87%	\$10.84	\$10.76	-\$0.08	-0.77%	\$40.08	\$2.32	(\$37.77)	-94.22%
30	\$33.42	-\$3.41	-\$36.82	-110.19%	\$13.01	\$12.91	-\$0.10	-0.77%	\$46.43	\$9.50	(\$36.92)	-79.53%
40	\$41.76	\$6.66	-\$35.10	-84.04%	\$17.35	\$17.21	-\$0.13	-0.77%	\$59.11	\$23.88	(\$35.23)	-59.61%
50	\$50.11	\$16.73	-\$33.38	-66.61%	\$21.68	\$21.51	-\$0.17	-0.77%	\$71.79	\$38.25	(\$33.54)	-46.72%
60	\$53.15	\$20.39	-\$32.77	-61.65%	\$26.02	\$25.82	-\$0.20	-0.77%	\$79.17	\$46.20	(\$32.97)	-41.64%
70	\$56.19	\$24.04	-\$32.16	-57.22%	\$30.35	\$30.12	-\$0.23	-0.77%	\$86.55	\$54.16	(\$32.39)	-37.42%
80	\$59.23	\$27.69	-\$31.54	-53.25%	\$34.69	\$34.42	-\$0.27	-0.77%	\$93.93	\$62.11	(\$31.81)	-33.87%
100	\$65.32	\$34.99	-\$30.32	-46.42%	\$43.36	\$43.03	-\$0.33	-0.77%	\$108.68	\$78.02	(\$30.66)	-28.21%
120	\$71.40	\$42.30	-\$29.10	-40.76%	\$52.04	\$51.63	-\$0.40	-0.77%	\$123.44	\$93.93	(\$29.50)	-23.90%
140	\$77.48	\$49.60	-\$27.88	-35.98%	\$60.71	\$60.24	-\$0.47	-0.77%	\$138.19	\$109.84	(\$28.35)	-20.51%
160	\$83.57	\$56.91	-\$26.66	-31.90%	\$69.38	\$68.85	-\$0.54	-0.77%	\$152.95	\$125.75	(\$27.20)	-17.78%
180	\$89.65	\$64.21	-\$25.44	-28.38%	\$78.06	\$77.45	-\$0.60	-0.77%	\$167.70	\$141.66	(\$26.04)	-15.53%
200	\$95.73	\$71.51	-\$24.22	-25.30%	\$86.73	\$86.06	-\$0.67	-0.77%	\$182.46	\$157.57	(\$24.89)	-13.64%
220	\$101.81	\$78.82	-\$23.00	-22.59%	\$95.40	\$94.66	-\$0.74	-0.77%	\$197.22	\$173.48	(\$23.73)	-12.03%
250	\$110.94	\$89.77	-\$21.16	-19.08%	\$108.41	\$107.57	-\$0.84	-0.77%	\$219.35	\$197.35	(\$22.00)	-10.03%
300	\$126.15	\$108.03	-\$18.11	-14.36%	\$130.09	\$129.09	-\$1.00	-0.77%	\$256.24	\$237.12	(\$19.12)	-7.46%
400	\$156.56	\$144.55	-\$12.01	-7.67%	\$173.46	\$172.12	-\$1.34	-0.77%	\$330.02	\$316.67	(\$13.35)	-4.04%
Current					Proposed						Difference	Change
First 3 or Less				\$9.37				-\$30.45			(\$39.82)	-424.97%
Next 47 Therms per Therm				\$0.784600				\$0.949100			\$0.165	20.97%
Over 50 Therms per Therm				\$0.278000				\$0.336300			\$0.058	20.97%
Billing & Payment Processing				\$0.980000				\$1.200000			\$0.220	22.45%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.003500				\$0.003500			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%
Monthly Cost of Gas				\$0.407797				\$0.404400			(\$0.003)	-0.83%
Merchant Function Charge				\$0.014911				\$0.015044			\$0.000	0.89%
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%
MTA on Supply				0.175000%				0.175000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 2-2 - Non Residential Heat

Therm Usage	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
0	\$39.53	\$39.75	\$0.23	0.57%	\$0.00	\$0.00	\$0.00	0.00%	\$39.53	\$39.75	\$0.23	0.57%
3	\$39.57	\$39.80	\$0.23	0.57%	\$1.33	\$1.32	-\$0.01	-0.77%	\$40.90	\$41.12	\$0.22	0.53%
10	\$43.19	\$44.10	\$0.91	2.11%	\$4.43	\$4.40	-\$0.03	-0.77%	\$47.62	\$48.50	\$0.88	1.84%
15	\$45.77	\$47.17	\$1.40	3.06%	\$6.65	\$6.60	-\$0.05	-0.77%	\$52.42	\$53.77	\$1.35	2.58%
20	\$48.35	\$50.24	\$1.89	3.91%	\$8.87	\$8.80	-\$0.07	-0.77%	\$57.22	\$59.04	\$1.82	3.19%
25	\$50.94	\$53.32	\$2.38	4.67%	\$11.08	\$11.00	-\$0.09	-0.77%	\$62.02	\$64.31	\$2.30	3.70%
30	\$53.52	\$56.39	\$2.87	5.36%	\$13.30	\$13.20	-\$0.10	-0.77%	\$66.82	\$69.59	\$2.77	4.14%
40	\$58.69	\$62.54	\$3.85	6.56%	\$17.73	\$17.60	-\$0.14	-0.77%	\$76.42	\$80.13	\$3.71	4.86%
50	\$63.85	\$68.68	\$4.83	7.56%	\$22.17	\$21.99	-\$0.17	-0.77%	\$86.02	\$90.68	\$4.66	5.42%
60	\$69.02	\$74.83	\$5.81	8.42%	\$26.60	\$26.39	-\$0.21	-0.77%	\$95.62	\$101.22	\$5.60	5.86%
70	\$74.19	\$80.97	\$6.79	9.15%	\$31.03	\$30.79	-\$0.24	-0.77%	\$105.22	\$111.77	\$6.55	6.23%
80	\$79.35	\$87.12	\$7.77	9.79%	\$35.46	\$35.19	-\$0.27	-0.77%	\$114.82	\$122.31	\$7.50	6.53%
100	\$88.82	\$98.38	\$9.56	10.76%	\$44.33	\$43.99	-\$0.34	-0.77%	\$133.15	\$142.37	\$9.22	6.92%
120	\$97.43	\$108.62	\$11.18	11.48%	\$53.20	\$52.79	-\$0.41	-0.77%	\$150.63	\$161.40	\$10.77	7.15%
140	\$106.05	\$118.85	\$12.81	12.08%	\$62.06	\$61.58	-\$0.48	-0.77%	\$168.11	\$180.44	\$12.33	7.33%
160	\$114.66	\$129.09	\$14.43	12.58%	\$70.93	\$70.38	-\$0.55	-0.77%	\$185.59	\$199.47	\$13.88	7.48%
180	\$123.27	\$139.32	\$16.05	13.02%	\$79.79	\$79.18	-\$0.62	-0.77%	\$203.06	\$218.50	\$15.44	7.60%
Typical	\$131.88	\$149.55	\$17.68	13.40%	\$88.66	\$87.98	-\$0.68	-0.77%	\$220.54	\$237.53	\$16.99	7.70%
250	\$153.41	\$175.14	\$21.73	14.17%	\$110.83	\$109.97	-\$0.86	-0.77%	\$264.23	\$285.11	\$20.88	7.90%
280	\$166.32	\$190.49	\$24.17	14.53%	\$124.12	\$123.17	-\$0.96	-0.77%	\$290.45	\$313.66	\$23.21	7.99%
300	\$174.93	\$200.72	\$25.79	14.74%	\$132.99	\$131.96	-\$1.03	-0.77%	\$307.93	\$332.69	\$24.76	8.04%
400	\$217.99	\$251.90	\$33.90	15.55%	\$177.32	\$175.95	-\$1.37	-0.77%	\$395.31	\$427.85	\$32.54	8.23%
500	\$261.05	\$303.07	\$42.02	16.10%	\$221.65	\$219.94	-\$1.71	-0.77%	\$482.70	\$523.01	\$40.31	8.35%
600	\$304.10	\$354.24	\$50.13	16.49%	\$265.98	\$263.93	-\$2.05	-0.77%	\$570.08	\$618.16	\$48.08	8.43%
1,000	\$476.33	\$558.92	\$82.59	17.34%	\$443.30	\$439.88	-\$3.42	-0.77%	\$919.63	\$998.80	\$79.17	8.61%
1,500	\$691.61	\$814.77	\$123.17	17.81%	\$664.95	\$659.82	-\$5.14	-0.77%	\$1,356.56	\$1,474.59	\$118.03	8.70%
2,000	\$906.88	\$1,070.62	\$163.74	18.06%	\$886.60	\$879.76	-\$6.85	-0.77%	\$1,793.49	\$1,950.38	\$156.89	8.75%
2,570	\$1,152.30	\$1,362.30	\$209.99	18.22%	\$1,139.29	\$1,130.49	-\$8.80	-0.77%	\$2,291.59	\$2,492.78	\$201.19	8.78%
3,000	\$1,337.44	\$1,582.33	\$244.89	18.31%	\$1,329.91	\$1,319.64	-\$10.27	-0.77%	\$2,667.35	\$2,901.96	\$234.61	8.80%
5,000	\$1,921.16	\$2,274.18	\$353.01	18.37%	\$2,216.51	\$2,199.39	-\$17.12	-0.77%	\$4,137.68	\$4,473.57	\$335.89	8.12%
9,000	\$3,088.61	\$3,657.87	\$569.27	18.43%	\$3,989.72	\$3,958.91	-\$30.81	-0.77%	\$7,078.33	\$7,616.78	\$538.45	7.61%
10,000	\$3,380.47	\$4,003.80	\$623.33	18.44%	\$4,433.02	\$4,398.79	-\$34.24	-0.77%	\$7,813.49	\$8,402.58	\$589.09	7.54%
30,000	\$9,217.68	\$10,922.28	\$1,704.60	18.49%	\$13,299.07	\$13,196.36	-\$102.71	-0.77%	\$22,516.75	\$24,118.64	\$1,601.89	7.11%
50,000	\$15,054.90	\$17,840.76	\$2,785.87	18.50%	\$22,165.12	\$21,993.93	-\$171.18	-0.77%	\$37,220.01	\$39,834.70	\$2,614.68	7.02%
75,000	\$22,351.41	\$26,488.87	\$4,137.46	18.51%	\$33,247.68	\$32,990.90	-\$256.78	-0.77%	\$55,599.09	\$59,479.77	\$3,880.68	6.98%
100,000	\$29,647.93	\$35,136.97	\$5,489.04	18.51%	\$44,330.23	\$43,987.87	-\$342.37	-0.77%	\$73,978.16	\$79,124.84	\$5,146.67	6.96%
150,000	\$44,240.96	\$52,433.18	\$8,192.22	18.52%	\$66,495.35	\$65,981.80	-\$513.55	-0.77%	\$110,736.32	\$118,414.98	\$7,678.66	6.93%
200,000	\$58,834.00	\$69,729.39	\$10,895.39	18.52%	\$88,660.47	\$87,975.73	-\$684.74	-0.77%	\$147,494.47	\$157,705.12	\$10,210.65	6.92%
250,000	\$73,427.03	\$87,025.60	\$13,598.56	18.52%	\$110,825.59	\$109,969.66	-\$855.92	-0.77%	\$184,252.62	\$196,995.26	\$12,742.64	6.92%
500,000	\$146,392.20	\$173,506.64	\$27,114.43	18.52%	\$221,651.17	\$219,939.33	-\$1,711.85	-0.77%	\$368,043.38	\$393,445.96	\$25,402.59	6.90%
750,000	\$219,357.38	\$259,987.68	\$40,630.30	18.52%	\$332,476.76	\$329,908.99	-\$2,567.77	-0.77%	\$551,834.14	\$589,896.67	\$38,062.53	6.90%
2017					2018					Difference	Change	
First 3 therms			\$37.55				\$37.55		\$0.00	0.00%		
Next 87 therms			\$0.489300				\$0.584800		\$0.096	19.52%		
Next 2,910 therms			\$0.405400				\$0.484500		\$0.079	19.51%		
Over 3,000 therms			\$0.270200				\$0.322900		\$0.053	19.50%		
Billing & Payment Processing			\$0.980000				\$1.200000		\$0.220	22.45%		
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0.000000				\$0.000000		\$0.000	0.00%		
Incremental State Assessment Surcharge			\$0.000000				\$0.000000		\$0.000	0.00%		
System Benefits Charge			\$0.005400				\$0.005400		\$0.000	0.00%		
Energy Efficiency Surcharge			\$0.008900				\$0.008900		\$0.000	0.00%		
Monthly Cost of Gas			\$0.407797				\$0.404400		(\$0.003)	-0.83%		
Merchant Function Charge			\$0.014911				\$0.015044		\$0.000	0.89%		
GRT on Delivery			2.407000%				2.407000%		\$0.000	0.00%		
GRT on Supply			2.407000%				2.407000%		\$0.000	0.00%		
MTA on Delivery			0.176000%				0.176000%		\$0.000	0.00%		
MTA on Supply			2.407000%				2.407000%		\$0.000	0.00%		

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4A - High Load Factor Service

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
0	\$251.86	\$252.09	\$0.22	0.09%	\$0.00	\$0.00	\$0.00	0.00%	\$251.86	\$252.09	\$0.22	0.09%
10	\$252.01	\$252.23	\$0.22	0.09%	\$3.21	\$3.26	\$0.05	1.52%	\$255.22	\$255.49	\$0.27	0.11%
50	\$260.90	\$262.38	\$1.48	0.57%	\$16.04	\$16.29	\$0.24	1.52%	\$276.94	\$278.67	\$1.73	0.62%
100	\$272.01	\$275.07	\$3.06	1.13%	\$32.09	\$32.57	\$0.49	1.52%	\$304.09	\$307.65	\$3.55	1.17%
200	\$294.23	\$300.45	\$6.22	2.12%	\$64.17	\$65.15	\$0.98	1.52%	\$358.40	\$365.60	\$7.20	2.01%
300	\$316.45	\$325.83	\$9.38	2.97%	\$96.26	\$97.72	\$1.46	1.52%	\$412.71	\$423.55	\$10.85	2.63%
400	\$338.67	\$351.21	\$12.54	3.70%	\$128.35	\$130.30	\$1.95	1.52%	\$467.01	\$481.51	\$14.50	3.10%
500	\$360.89	\$376.59	\$15.70	4.35%	\$160.43	\$162.87	\$2.44	1.52%	\$521.32	\$539.46	\$18.14	3.48%
1,000	\$471.99	\$503.49	\$31.50	6.67%	\$320.87	\$325.75	\$4.88	1.52%	\$792.86	\$829.24	\$36.38	4.59%
5,000	\$1,307.12	\$1,456.84	\$149.71	11.45%	\$1,604.33	\$1,628.74	\$24.41	1.52%	\$2,911.45	\$3,085.58	\$174.13	5.98%
10,000	\$2,351.04	\$2,648.52	\$297.48	12.65%	\$3,208.66	\$3,257.49	\$48.83	1.52%	\$5,559.70	\$5,906.01	\$346.31	6.23%
15,000	\$3,394.95	\$3,840.20	\$445.25	13.12%	\$4,812.99	\$4,886.23	\$73.24	1.52%	\$8,207.94	\$8,726.44	\$518.49	6.32%
20,000	\$4,438.87	\$5,031.89	\$593.02	13.36%	\$6,417.32	\$6,514.98	\$97.66	1.52%	\$10,856.19	\$11,546.86	\$690.68	6.36%
25,000	\$5,482.78	\$6,223.57	\$740.79	13.51%	\$8,021.65	\$8,143.72	\$122.07	1.52%	\$13,504.43	\$14,367.29	\$862.86	6.39%
30,000	\$6,526.70	\$7,415.25	\$888.56	13.61%	\$9,625.98	\$9,772.46	\$146.48	1.52%	\$16,152.68	\$17,187.72	\$1,035.04	6.41%
35,000	\$7,570.61	\$8,606.94	\$1,036.33	13.69%	\$11,230.31	\$11,401.21	\$170.90	1.52%	\$18,800.92	\$20,008.15	\$1,207.22	6.42%
40,000	\$8,614.53	\$9,798.62	\$1,184.10	13.75%	\$12,834.64	\$13,029.95	\$195.31	1.52%	\$21,449.17	\$22,828.57	\$1,379.41	6.43%
45,000	\$9,658.44	\$10,990.31	\$1,331.86	13.79%	\$14,438.97	\$14,658.70	\$219.72	1.52%	\$24,097.41	\$25,649.00	\$1,551.59	6.44%
Typical	\$10,702.36	\$12,181.99	\$1,479.63	13.83%	\$16,043.30	\$16,287.44	\$244.14	1.52%	\$26,745.66	\$28,469.43	\$1,723.77	6.45%
55,000	\$11,746.27	\$13,373.67	\$1,627.40	13.85%	\$17,647.63	\$17,916.18	\$268.55	1.52%	\$29,393.90	\$31,289.86	\$1,895.95	6.45%
60,000	\$12,790.19	\$14,565.36	\$1,775.17	13.88%	\$19,251.96	\$19,544.93	\$292.97	1.52%	\$32,042.15	\$34,110.28	\$2,068.14	6.45%
65,000	\$13,834.10	\$15,757.04	\$1,922.94	13.90%	\$20,856.29	\$21,173.67	\$317.38	1.52%	\$34,690.39	\$36,930.71	\$2,240.32	6.46%
70,000	\$14,878.02	\$16,948.72	\$2,070.71	13.92%	\$22,460.62	\$22,802.42	\$341.79	1.52%	\$37,338.64	\$39,751.14	\$2,412.50	6.46%
75,000	\$15,921.93	\$18,140.41	\$2,218.48	13.93%	\$24,064.95	\$24,431.16	\$366.21	1.52%	\$39,986.88	\$42,571.57	\$2,584.68	6.46%
80,000	\$16,965.85	\$19,332.09	\$2,366.25	13.95%	\$25,669.28	\$26,059.90	\$390.62	1.52%	\$42,635.13	\$45,391.99	\$2,756.87	6.47%
85,000	\$18,009.76	\$20,523.78	\$2,514.01	13.96%	\$27,273.61	\$27,688.65	\$415.03	1.52%	\$45,283.37	\$48,212.42	\$2,929.05	6.47%
90,000	\$19,053.68	\$21,715.46	\$2,661.78	13.97%	\$28,877.94	\$29,317.39	\$439.45	1.52%	\$47,931.62	\$51,032.85	\$3,101.23	6.47%
95,000	\$20,097.59	\$22,907.14	\$2,809.55	13.98%	\$30,482.27	\$30,946.14	\$463.86	1.52%	\$50,579.86	\$53,853.28	\$3,273.41	6.47%
100,000	\$21,141.51	\$24,098.83	\$2,957.32	13.99%	\$32,086.60	\$32,574.88	\$488.28	1.52%	\$53,228.11	\$56,673.71	\$3,445.60	6.47%
105,000	\$22,185.42	\$25,290.51	\$3,105.09	14.00%	\$33,690.93	\$34,203.62	\$512.69	1.52%	\$55,876.35	\$59,494.13	\$3,617.78	6.47%
110,000	\$23,229.34	\$26,482.19	\$3,252.86	14.00%	\$35,295.26	\$35,832.37	\$537.10	1.52%	\$58,524.60	\$62,314.56	\$3,789.96	6.48%
115,000	\$24,273.25	\$27,673.88	\$3,400.63	14.01%	\$36,899.59	\$37,461.11	\$561.52	1.52%	\$61,172.84	\$65,134.99	\$3,962.14	6.48%
2017					2018						Difference	Change
First 10 therms				\$250.00				\$250.00			\$0.00	0.00%
Next 990 therms				\$0.207125				\$0.238608			\$0.031	15.20%
Over 1,000 therms				\$0.193750				\$0.223200			\$0.029	15.20%
Billing & Payment Processing				\$0.980000				\$1.200000			\$0.220	22.45%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%
Monthly Cost of Gas				\$0.293175				\$0.297553			\$0.004	1.49%
Merchant Function Charge				\$0.012785				\$0.013062			\$0.000	2.17%
GRT on Delivery				0.176000%				0.176000%			\$0.000	0.00%
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%
MTA on Supply				2.407000%				2.407000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4A-CNG - Compressed Natural Gas Service

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
0	\$257.47	\$257.70	\$0.23	0.09%	\$0.00	\$0.00	\$0.00	0.00%	\$257.47	\$257.70	\$0.23	0.09%
10	\$257.47	\$257.70	\$0.23	0.09%	\$3.09	\$3.14	\$0.05	1.65%	\$260.56	\$260.84	\$0.28	0.11%
50	\$265.97	\$267.49	\$1.52	0.57%	\$15.45	\$15.70	\$0.25	1.65%	\$281.42	\$283.19	\$1.77	0.63%
100	\$276.60	\$279.73	\$3.13	1.13%	\$30.89	\$31.40	\$0.51	1.65%	\$307.49	\$311.13	\$3.64	1.18%
500	\$361.59	\$377.64	\$16.05	4.44%	\$154.46	\$157.00	\$2.54	1.65%	\$516.05	\$534.65	\$18.59	3.60%
1,000	\$467.83	\$500.03	\$32.20	6.88%	\$308.92	\$314.01	\$5.09	1.65%	\$776.75	\$814.04	\$37.29	4.80%
5,000	\$1,262.88	\$1,415.93	\$153.05	12.12%	\$1,544.61	\$1,570.04	\$25.43	1.65%	\$2,807.50	\$2,985.98	\$178.48	6.36%
10,000	\$2,256.70	\$2,560.81	\$304.11	13.48%	\$3,089.22	\$3,140.09	\$50.87	1.65%	\$5,345.92	\$5,700.89	\$354.97	6.64%
15,000	\$3,250.51	\$3,705.68	\$455.17	14.00%	\$4,633.83	\$4,710.13	\$76.30	1.65%	\$7,884.35	\$8,415.81	\$531.47	6.74%
20,000	\$4,244.33	\$4,850.55	\$606.23	14.28%	\$6,178.45	\$6,280.18	\$101.73	1.65%	\$10,422.77	\$11,130.73	\$707.96	6.79%
25,000	\$5,238.14	\$5,995.43	\$757.29	14.46%	\$7,723.06	\$7,850.22	\$127.17	1.65%	\$12,961.20	\$13,845.65	\$884.45	6.82%
30,000	\$6,231.95	\$7,140.30	\$908.35	14.58%	\$9,267.67	\$9,420.27	\$152.60	1.65%	\$15,499.62	\$16,560.57	\$1,060.95	6.84%
35,000	\$7,225.77	\$8,285.17	\$1,059.41	14.66%	\$10,812.28	\$10,990.31	\$178.03	1.65%	\$18,038.05	\$19,275.49	\$1,237.44	6.86%
40,000	\$8,219.58	\$9,430.05	\$1,210.47	14.73%	\$12,356.89	\$12,560.36	\$203.47	1.65%	\$20,576.47	\$21,990.41	\$1,413.93	6.87%
45,000	\$9,213.39	\$10,574.92	\$1,361.53	14.78%	\$13,901.50	\$14,130.40	\$228.90	1.65%	\$23,114.90	\$24,705.32	\$1,590.43	6.88%
50,000	\$10,207.21	\$11,719.79	\$1,512.59	14.82%	\$15,446.12	\$15,700.45	\$254.33	1.65%	\$25,653.32	\$27,420.24	\$1,766.92	6.89%
55,000	\$11,201.02	\$12,864.67	\$1,663.65	14.85%	\$16,990.73	\$17,270.49	\$279.77	1.65%	\$28,191.75	\$30,135.16	\$1,943.41	6.89%
Typical	\$12,194.84	\$14,009.54	\$1,814.70	14.88%	\$18,535.34	\$18,840.54	\$305.20	1.65%	\$30,730.18	\$32,850.08	\$2,119.90	6.90%
65,000	\$13,188.65	\$15,154.41	\$1,965.76	14.90%	\$20,079.95	\$20,410.58	\$330.63	1.65%	\$33,268.60	\$35,565.00	\$2,296.40	6.90%
70,000	\$14,182.46	\$16,299.29	\$2,116.82	14.93%	\$21,624.56	\$21,980.63	\$356.07	1.65%	\$35,807.03	\$38,279.92	\$2,472.89	6.91%
75,000	\$15,176.28	\$17,444.16	\$2,267.88	14.94%	\$23,169.17	\$23,550.67	\$381.50	1.65%	\$38,345.45	\$40,994.84	\$2,649.38	6.91%
80,000	\$16,170.09	\$18,589.03	\$2,418.94	14.96%	\$24,713.79	\$25,120.72	\$406.93	1.65%	\$40,883.88	\$43,709.75	\$2,825.88	6.91%
85,000	\$17,163.91	\$19,733.91	\$2,570.00	14.97%	\$26,258.40	\$26,690.76	\$432.37	1.65%	\$43,422.30	\$46,424.67	\$3,002.37	6.91%
90,000	\$18,157.72	\$20,878.78	\$2,721.06	14.99%	\$27,803.01	\$28,260.81	\$457.80	1.65%	\$45,960.73	\$49,139.59	\$3,178.86	6.92%
95,000	\$19,151.53	\$22,023.66	\$2,872.12	15.00%	\$29,347.62	\$29,830.85	\$483.23	1.65%	\$48,499.15	\$51,854.51	\$3,355.36	6.92%
100,000	\$20,145.35	\$23,168.53	\$3,023.18	15.01%	\$30,892.23	\$31,400.90	\$508.67	1.65%	\$51,037.58	\$54,569.43	\$3,531.85	6.92%
105,000	\$21,139.16	\$24,313.40	\$3,174.24	15.02%	\$32,436.84	\$32,970.94	\$534.10	1.65%	\$53,576.00	\$57,284.35	\$3,708.34	6.92%
110,000	\$22,132.97	\$25,458.28	\$3,325.30	15.02%	\$33,981.46	\$34,540.99	\$559.53	1.65%	\$56,114.43	\$59,999.26	\$3,884.83	6.92%
115,000	\$23,126.79	\$26,603.15	\$3,476.36	15.03%	\$35,526.07	\$36,111.03	\$584.97	1.65%	\$58,652.86	\$62,714.18	\$4,061.33	6.92%
120,000	\$24,120.60	\$27,748.02	\$3,627.42	15.04%	\$37,070.68	\$37,681.08	\$610.40	1.65%	\$61,191.28	\$65,429.10	\$4,237.82	6.93%
125,000	\$25,114.42	\$28,892.90	\$3,778.48	15.05%	\$38,615.29	\$39,251.12	\$635.83	1.65%	\$63,729.71	\$68,144.02	\$4,414.31	6.93%
130,000	\$26,108.23	\$30,037.77	\$3,929.54	15.05%	\$40,159.90	\$40,821.17	\$661.27	1.65%	\$66,268.13	\$70,858.94	\$4,590.81	6.93%
2017					2018						Difference	Change
First 10 therms				\$250.00				\$250.00			\$0.00	0.00%
Next 990 therms				\$0.207125				\$0.238608			\$0.031	15.20%
Over 1,000 therms				\$0.193750				\$0.223200			\$0.029	15.20%
Billing & Payment Processing				\$0.980000				\$1.200000			\$0.220	22.45%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.000000				\$0.000000			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Monthly Cost of Gas				\$0.288434				\$0.293110			\$0.005	1.62%
Merchant Function Charge				\$0.012697				\$0.012980			\$0.000	2.23%
GRT on Delivery				2.407000%				2.407000%			\$0.000	0.00%
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4B - Year-Round Air Conditioning Service (Non -Residential)

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$134.37	\$134.59	\$0.23	0.17%	\$0.00	\$0.00	\$0.00	0.00%	\$134.37	\$134.59	\$0.23	0.17%	
10	\$143.07	\$144.53	\$1.45	1.02%	\$3.49	\$3.51	\$0.03	0.74%	\$146.56	\$148.04	\$1.48	1.01%	
50	\$181.70	\$188.61	\$6.91	3.80%	\$17.43	\$17.56	\$0.13	0.74%	\$199.13	\$206.17	\$7.04	3.53%	
100	\$229.98	\$243.71	\$13.72	5.97%	\$34.87	\$35.13	\$0.26	0.74%	\$264.85	\$278.83	\$13.98	5.28%	
200	\$326.55	\$353.91	\$27.36	8.38%	\$69.73	\$70.25	\$0.52	0.74%	\$396.28	\$424.16	\$27.88	7.03%	
300	\$360.19	\$392.16	\$31.97	8.88%	\$104.60	\$105.38	\$0.78	0.74%	\$464.79	\$497.54	\$32.75	7.05%	
400	\$393.83	\$430.42	\$36.59	9.29%	\$139.47	\$140.51	\$1.04	0.74%	\$533.29	\$570.92	\$37.63	7.06%	
500	\$427.46	\$468.67	\$41.21	9.64%	\$174.34	\$175.63	\$1.30	0.74%	\$601.80	\$644.30	\$42.50	7.06%	
750	\$511.56	\$564.31	\$52.75	10.31%	\$261.50	\$263.45	\$1.95	0.74%	\$773.06	\$827.76	\$54.69	7.08%	
1,000	\$595.66	\$659.94	\$64.29	10.79%	\$348.67	\$351.27	\$2.60	0.74%	\$944.33	\$1,011.21	\$66.89	7.08%	
1,250	\$679.75	\$755.58	\$75.83	11.16%	\$435.84	\$439.09	\$3.25	0.74%	\$1,115.59	\$1,194.67	\$79.08	7.09%	
1,500	\$763.85	\$851.22	\$87.37	11.44%	\$523.01	\$526.90	\$3.90	0.74%	\$1,286.86	\$1,378.12	\$91.27	7.09%	
1,750	\$847.94	\$946.85	\$98.91	11.66%	\$610.18	\$614.72	\$4.54	0.74%	\$1,458.12	\$1,561.58	\$103.46	7.10%	
2,000	\$932.04	\$1,042.49	\$110.45	11.85%	\$697.35	\$702.54	\$5.19	0.74%	\$1,629.38	\$1,745.03	\$115.65	7.10%	
2,250	\$1,016.13	\$1,138.13	\$121.99	12.01%	\$784.51	\$790.36	\$5.84	0.74%	\$1,800.65	\$1,928.49	\$127.84	7.10%	
2,500	\$1,100.23	\$1,233.77	\$133.53	12.14%	\$871.68	\$878.17	\$6.49	0.74%	\$1,971.91	\$2,111.94	\$140.03	7.10%	
2,750	\$1,184.33	\$1,329.40	\$145.08	12.25%	\$958.85	\$965.99	\$7.14	0.74%	\$2,143.18	\$2,295.39	\$152.22	7.10%	
Typical	\$3,000	\$1,268.42	\$1,425.04	\$156.62	12.35%	\$1,046.02	\$1,053.81	\$7.79	0.74%	\$2,314.44	\$2,478.85	\$164.41	7.10%
3,250	\$1,352.52	\$1,520.68	\$168.16	12.43%	\$1,133.19	\$1,141.63	\$8.44	0.74%	\$2,485.71	\$2,662.30	\$176.60	7.10%	
3,500	\$1,436.61	\$1,616.31	\$179.70	12.51%	\$1,220.35	\$1,229.44	\$9.09	0.74%	\$2,656.97	\$2,845.76	\$188.79	7.11%	
3,750	\$1,520.71	\$1,711.95	\$191.24	12.58%	\$1,307.52	\$1,317.26	\$9.74	0.74%	\$2,828.23	\$3,029.21	\$200.98	7.11%	
4,000	\$1,604.81	\$1,807.59	\$202.78	12.64%	\$1,394.69	\$1,405.08	\$10.39	0.74%	\$2,999.50	\$3,212.67	\$213.17	7.11%	
4,250	\$1,688.90	\$1,903.22	\$214.32	12.69%	\$1,481.86	\$1,492.90	\$11.04	0.74%	\$3,170.76	\$3,396.12	\$225.36	7.11%	
4,500	\$1,773.00	\$1,998.86	\$225.86	12.74%	\$1,569.03	\$1,580.71	\$11.69	0.74%	\$3,342.03	\$3,579.57	\$237.55	7.11%	
4,750	\$1,857.09	\$2,094.50	\$237.40	12.78%	\$1,656.20	\$1,668.53	\$12.33	0.74%	\$3,513.29	\$3,763.03	\$249.74	7.11%	
5,000	\$1,941.19	\$2,190.14	\$248.95	12.82%	\$1,743.36	\$1,756.35	\$12.98	0.74%	\$3,684.55	\$3,946.48	\$261.93	7.11%	
5,250	\$2,025.29	\$2,285.77	\$260.49	12.86%	\$1,830.53	\$1,844.17	\$13.63	0.74%	\$3,855.82	\$4,129.94	\$274.12	7.11%	
5,500	\$2,109.38	\$2,381.41	\$272.03	12.90%	\$1,917.70	\$1,931.98	\$14.28	0.74%	\$4,027.08	\$4,313.39	\$286.31	7.11%	
5,750	\$2,193.48	\$2,477.05	\$283.57	12.93%	\$2,004.87	\$2,019.80	\$14.93	0.74%	\$4,198.35	\$4,496.85	\$298.50	7.11%	
6,000	\$2,277.57	\$2,572.68	\$295.11	12.96%	\$2,092.04	\$2,107.62	\$15.58	0.74%	\$4,369.61	\$4,680.30	\$310.69	7.11%	
6,250	\$2,361.67	\$2,668.32	\$306.65	12.98%	\$2,179.21	\$2,195.43	\$16.23	0.74%	\$4,540.87	\$4,863.75	\$322.88	7.11%	
6,500	\$2,445.76	\$2,763.96	\$318.19	13.01%	\$2,266.37	\$2,283.25	\$16.88	0.74%	\$4,712.14	\$5,047.21	\$335.07	7.11%	
2017					2018						Difference	Change	
First 1 therms			\$130.00				\$130.00				\$0.00	0.00%	
Next 199 therms			\$0.927000				\$1.059900				\$0.133	14.34%	
Over 200 therms			\$0.313600				\$0.358600				\$0.045	14.35%	
Billing & Payment Processing			\$0.980000				\$1.200000				\$0.220	22.45%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%	
Incremental State Assessment Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%	
System Benefits Charge			\$0.005400				\$0.005400				\$0.000	0.00%	
Energy Efficiency Surcharge			\$0.008900				\$0.008900				\$0.000	0.00%	
Monthly Cost of Gas			\$0.326476				\$0.328769				\$0.002	0.70%	
Merchant Function Charge			\$0.013403				\$0.013641				\$0.000	1.78%	
GRT on Delivery			2.407000%				2.407000%				\$0.000	0.00%	
GRT on Supply			2.407000%				2.407000%				\$0.000	0.00%	
MTA on Delivery			0.176000%				0.176000%				\$0.000	0.00%	
MTA on Supply			0.176000%				0.176000%				\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 7 - Seasonal Off-Peak Service

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
-	\$41.54	\$41.76	\$0.23	0.54%	\$0.00	\$0.00	\$0.00	0.00%	\$41.54	\$41.76	\$0.23	0.54%
3	\$41.55	\$41.78	\$0.23	0.54%	\$0.87	\$0.89	\$0.02	2.33%	\$42.42	\$42.67	\$0.25	0.58%
10	\$42.88	\$43.10	\$0.23	0.53%	\$2.88	\$2.95	\$0.07	2.33%	\$45.76	\$46.05	\$0.29	0.64%
20	\$44.76	\$44.99	\$0.23	0.50%	\$5.77	\$5.90	\$0.13	2.33%	\$50.53	\$50.89	\$0.36	0.71%
50	\$50.43	\$50.66	\$0.23	0.45%	\$14.42	\$14.76	\$0.34	2.33%	\$64.85	\$65.41	\$0.56	0.87%
100	\$59.87	\$60.10	\$0.23	0.38%	\$28.84	\$29.51	\$0.67	2.33%	\$88.71	\$89.61	\$0.90	1.01%
150	\$69.32	\$69.54	\$0.23	0.33%	\$43.26	\$44.27	\$1.01	2.33%	\$112.58	\$113.81	\$1.23	1.10%
200	\$78.76	\$78.99	\$0.23	0.29%	\$57.68	\$59.02	\$1.35	2.33%	\$136.44	\$138.01	\$1.57	1.15%
250	\$88.20	\$88.43	\$0.23	0.26%	\$72.10	\$73.78	\$1.68	2.33%	\$160.30	\$162.21	\$1.91	1.19%
300	\$97.65	\$97.87	\$0.23	0.23%	\$86.52	\$88.53	\$2.02	2.33%	\$184.16	\$186.41	\$2.24	1.22%
350	\$107.09	\$107.32	\$0.23	0.21%	\$100.94	\$103.29	\$2.35	2.33%	\$208.03	\$210.61	\$2.58	1.24%
400	\$116.53	\$116.76	\$0.23	0.19%	\$115.36	\$118.05	\$2.69	2.33%	\$231.89	\$234.80	\$2.92	1.26%
450	\$125.98	\$126.20	\$0.23	0.18%	\$129.78	\$132.80	\$3.03	2.33%	\$255.75	\$259.00	\$3.25	1.27%
500	\$135.42	\$135.64	\$0.23	0.17%	\$144.20	\$147.56	\$3.36	2.33%	\$279.61	\$283.20	\$3.59	1.28%
550	\$144.86	\$145.09	\$0.23	0.16%	\$158.61	\$162.31	\$3.70	2.33%	\$303.48	\$307.40	\$3.92	1.29%
Typical	\$154.31	\$154.53	\$0.23	0.15%	\$173.03	\$177.07	\$4.04	2.33%	\$327.34	\$331.60	\$4.26	1.30%
650	\$163.75	\$163.97	\$0.23	0.14%	\$187.45	\$191.83	\$4.37	2.33%	\$351.20	\$355.80	\$4.60	1.31%
700	\$173.19	\$173.42	\$0.23	0.13%	\$201.87	\$206.58	\$4.71	2.33%	\$375.06	\$380.00	\$4.93	1.32%
750	\$182.63	\$182.86	\$0.23	0.12%	\$216.29	\$221.34	\$5.04	2.33%	\$398.93	\$404.20	\$5.27	1.32%
800	\$192.08	\$192.30	\$0.23	0.12%	\$230.71	\$236.09	\$5.38	2.33%	\$422.79	\$428.40	\$5.61	1.33%
850	\$201.52	\$201.75	\$0.23	0.11%	\$245.13	\$250.85	\$5.72	2.33%	\$446.65	\$452.60	\$5.94	1.33%
900	\$210.96	\$211.19	\$0.23	0.11%	\$259.55	\$265.60	\$6.05	2.33%	\$470.52	\$476.79	\$6.28	1.33%
950	\$220.41	\$220.63	\$0.23	0.10%	\$273.97	\$280.36	\$6.39	2.33%	\$494.38	\$500.99	\$6.61	1.34%
1,000	\$229.85	\$230.08	\$0.23	0.10%	\$288.39	\$295.12	\$6.73	2.33%	\$518.24	\$525.19	\$6.95	1.34%
1,050	\$239.29	\$239.52	\$0.23	0.09%	\$302.81	\$309.87	\$7.06	2.33%	\$542.10	\$549.39	\$7.29	1.34%
1,100	\$248.74	\$248.96	\$0.23	0.09%	\$317.23	\$324.63	\$7.40	2.33%	\$565.97	\$573.59	\$7.62	1.35%
1,150	\$258.18	\$258.41	\$0.23	0.09%	\$331.65	\$339.38	\$7.73	2.33%	\$589.83	\$597.79	\$7.96	1.35%
1,200	\$267.62	\$267.85	\$0.23	0.08%	\$346.07	\$354.14	\$8.07	2.33%	\$613.69	\$621.99	\$8.30	1.35%
1,250	\$277.07	\$277.29	\$0.23	0.08%	\$360.49	\$368.89	\$8.41	2.33%	\$637.55	\$646.19	\$8.63	1.35%
1,300	\$286.51	\$286.74	\$0.23	0.08%	\$374.91	\$383.65	\$8.74	2.33%	\$661.42	\$670.39	\$8.97	1.36%
1,350	\$295.95	\$296.18	\$0.23	0.08%	\$389.33	\$398.41	\$9.08	2.33%	\$685.28	\$694.58	\$9.30	1.36%
1,400	\$305.40	\$305.62	\$0.23	0.07%	\$403.75	\$413.16	\$9.42	2.33%	\$709.14	\$718.78	\$9.64	1.36%
2017					2018						Difference	Change
First 3 or Less				\$39.51				\$39.51			\$0.00	0.00%
Over 3 Therms per Therm				\$0.178700				\$0.178700			\$0.000	0.00%
Billing & Payment Processing				\$0.980000				\$1.200000			\$0.220	22.45%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Monthly Cost of Gas				\$0.268784				\$0.275028			\$0.006	2.32%
Merchant Function Charge				\$0.012333				\$0.012645			\$0.000	2.53%
GRT on Delivery				2.407000%				2.407000%			\$0.000	0.00%
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%
MTA on Supply				2.407000%				2.407000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1A - Residential Non Heat

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$17.53	\$18.51	\$0.97	5.56%	\$0.00	\$0.00	\$0.00	0.00%	\$17.53	\$18.51	\$0.97	5.56%	
3	\$17.58	\$18.55	\$0.97	5.54%	\$1.29	\$1.28	-\$0.01	-0.76%	\$18.87	\$19.83	\$0.96	5.11%	
5	\$20.10	\$22.20	\$2.10	10.42%	\$2.15	\$2.14	-\$0.02	-0.76%	\$22.26	\$24.33	\$2.08	9.34%	
7	\$22.63	\$25.85	\$3.22	14.21%	\$3.01	\$2.99	-\$0.02	-0.76%	\$25.64	\$28.84	\$3.19	12.45%	
Typical	10	\$26.42	\$31.32	\$4.90	18.54%	\$4.30	\$4.27	-\$0.03	-0.76%	\$30.72	\$35.59	\$4.87	15.84%
	15	\$32.74	\$40.44	\$7.70	23.53%	\$6.45	\$6.41	-\$0.05	-0.76%	\$39.19	\$46.84	\$7.65	19.53%
	20	\$39.05	\$49.56	\$10.50	26.90%	\$8.61	\$8.54	-\$0.07	-0.76%	\$47.66	\$58.10	\$10.44	21.90%
	25	\$45.37	\$58.68	\$13.31	29.33%	\$10.76	\$10.68	-\$0.08	-0.76%	\$56.13	\$69.35	\$13.23	23.56%
	30	\$51.69	\$67.80	\$16.11	31.17%	\$12.91	\$12.81	-\$0.10	-0.76%	\$64.60	\$80.61	\$16.01	24.79%
	35	\$58.01	\$76.92	\$18.91	32.61%	\$15.06	\$14.95	-\$0.11	-0.76%	\$73.07	\$91.87	\$18.80	25.73%
	40	\$64.32	\$86.04	\$21.72	33.76%	\$17.21	\$17.08	-\$0.13	-0.76%	\$81.53	\$103.12	\$21.59	26.48%
	45	\$70.64	\$95.16	\$24.52	34.71%	\$19.36	\$19.22	-\$0.15	-0.76%	\$90.00	\$114.38	\$24.37	27.08%
	50	\$76.96	\$104.28	\$27.32	35.51%	\$21.51	\$21.35	-\$0.16	-0.76%	\$98.47	\$125.63	\$27.16	27.58%
	55	\$79.81	\$108.38	\$28.57	35.80%	\$23.67	\$23.49	-\$0.18	-0.76%	\$103.48	\$131.87	\$28.39	27.44%
	60	\$82.66	\$112.48	\$29.82	36.07%	\$25.82	\$25.62	-\$0.20	-0.76%	\$108.48	\$138.10	\$29.62	27.31%
	65	\$85.52	\$116.59	\$31.07	36.33%	\$27.97	\$27.76	-\$0.21	-0.76%	\$113.49	\$144.34	\$30.85	27.19%
	70	\$88.37	\$120.69	\$32.32	36.57%	\$30.12	\$29.89	-\$0.23	-0.76%	\$118.49	\$150.58	\$32.09	27.08%
	75	\$91.23	\$124.79	\$33.56	36.79%	\$32.27	\$32.03	-\$0.25	-0.76%	\$123.50	\$156.82	\$33.32	26.98%
	80	\$94.08	\$128.89	\$34.81	37.00%	\$34.42	\$34.16	-\$0.26	-0.76%	\$128.50	\$163.05	\$34.55	26.89%
	85	\$96.93	\$132.99	\$36.06	37.20%	\$36.58	\$36.30	-\$0.28	-0.76%	\$133.51	\$169.29	\$35.78	26.80%
	90	\$99.79	\$137.09	\$37.31	37.39%	\$38.73	\$38.43	-\$0.29	-0.76%	\$138.51	\$175.53	\$37.01	26.72%
	100	\$105.50	\$145.30	\$39.80	37.73%	\$43.03	\$42.70	-\$0.33	-0.76%	\$148.53	\$188.00	\$39.47	26.58%
2018					2019						Difference	Change	
First 3 or Less				\$15.54				\$16.25			\$0.71	4.57%	
Next 47 Therms per Therm				\$1.192000				\$1.727300			\$0.535	44.91%	
Over 50 Therms per Therm				\$0.530700				\$0.769000			\$0.238	44.90%	
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.404400				\$0.400953			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.015044				\$0.015298			\$0.000	1.69%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1B - Residential Heat

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$23.83	\$24.06	\$0.23	0.97%	\$0.00	\$0.00	\$0.00	0.00%	\$23.83	\$24.06	\$0.23	0.97%	
3	\$23.87	\$24.10	\$0.23	0.97%	\$1.29	\$1.28	-\$0.01	-0.76%	\$25.16	\$25.38	\$0.22	0.88%	
10	\$30.91	\$32.57	\$1.65	5.34%	\$4.30	\$4.27	-\$0.03	-0.76%	\$35.22	\$36.84	\$1.62	4.60%	
15	\$35.95	\$38.62	\$2.67	7.42%	\$6.45	\$6.41	-\$0.05	-0.76%	\$42.40	\$45.02	\$2.62	6.17%	
20	\$40.98	\$44.67	\$3.68	8.98%	\$8.61	\$8.54	-\$0.07	-0.76%	\$49.59	\$53.21	\$3.62	7.29%	
25	\$46.02	\$50.72	\$4.70	10.20%	\$10.76	\$10.68	-\$0.08	-0.76%	\$56.78	\$61.39	\$4.61	8.13%	
30	\$51.05	\$56.77	\$5.71	11.19%	\$12.91	\$12.81	-\$0.10	-0.76%	\$63.96	\$69.58	\$5.61	8.77%	
40	\$61.12	\$68.86	\$7.74	12.66%	\$17.21	\$17.08	-\$0.13	-0.76%	\$78.34	\$85.95	\$7.61	9.71%	
50	\$71.19	\$80.96	\$9.77	13.72%	\$21.51	\$21.35	-\$0.16	-0.76%	\$92.71	\$102.32	\$9.61	10.36%	
60	\$74.85	\$85.34	\$10.49	14.01%	\$25.82	\$25.62	-\$0.20	-0.76%	\$100.66	\$110.96	\$10.29	10.23%	
70	\$78.50	\$89.71	\$11.21	14.28%	\$30.12	\$29.89	-\$0.23	-0.76%	\$108.62	\$119.60	\$10.98	10.11%	
Typical	80	\$82.15	\$94.08	\$11.93	14.52%	\$34.42	\$34.16	-\$0.26	-0.76%	\$116.57	\$128.24	\$11.67	10.01%
	100	\$89.45	\$102.82	\$13.37	14.94%	\$43.03	\$42.70	-\$0.33	-0.76%	\$132.48	\$145.52	\$13.04	9.84%
	120	\$96.76	\$111.57	\$14.81	15.30%	\$51.64	\$51.24	-\$0.39	-0.76%	\$148.39	\$162.81	\$14.41	9.71%
	140	\$104.06	\$120.31	\$16.25	15.61%	\$60.24	\$59.78	-\$0.46	-0.76%	\$164.30	\$180.09	\$15.79	9.61%
	160	\$111.37	\$129.05	\$17.68	15.88%	\$68.85	\$68.32	-\$0.52	-0.76%	\$180.21	\$197.37	\$17.16	9.52%
	180	\$118.67	\$137.79	\$19.12	16.11%	\$77.45	\$76.86	-\$0.59	-0.76%	\$196.12	\$214.66	\$18.53	9.45%
	200	\$125.97	\$146.54	\$20.56	16.32%	\$86.06	\$85.40	-\$0.66	-0.76%	\$212.03	\$231.94	\$19.91	9.39%
	220	\$133.28	\$155.28	\$22.00	16.51%	\$94.67	\$93.94	-\$0.72	-0.76%	\$227.94	\$249.22	\$21.28	9.34%
	250	\$144.23	\$168.39	\$24.16	16.75%	\$107.57	\$106.76	-\$0.82	-0.76%	\$251.81	\$275.15	\$23.34	9.27%
	300	\$162.49	\$190.25	\$27.76	17.08%	\$129.09	\$128.11	-\$0.98	-0.76%	\$291.58	\$318.36	\$26.78	9.18%
	400	\$199.01	\$233.97	\$34.95	17.56%	\$172.12	\$170.81	-\$1.31	-0.76%	\$371.13	\$404.78	\$33.64	9.06%
	2018				2019						Difference	Change	
First 3 or Less				\$21.55				\$21.55			\$0.00	0.00%	
Next 47 Therms per Therm				\$0.949100				\$1.142900			\$0.194	20.42%	
Over 50 Therms per Therm				\$0.336300				\$0.405000			\$0.069	20.43%	
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.003500				\$0.003500			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%	
Monthly Cost of Gas				\$0.404400				\$0.400953			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.015044				\$0.015298			\$0.000	1.69%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1AR - Residential Non Heat Reduced Rate

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$14.39	\$15.36	\$0.97	6.77%	\$0.00	\$0.00	\$0.00	0.00%	\$14.39	\$15.36	\$0.97	6.77%	
3	\$14.44	\$15.41	\$0.97	6.75%	\$1.29	\$1.28	-\$0.01	-0.76%	\$15.73	\$16.69	\$0.96	6.13%	
5	\$16.96	\$19.06	\$2.10	12.35%	\$2.15	\$2.14	-\$0.02	-0.76%	\$19.11	\$21.19	\$2.08	10.88%	
Typical	7	\$19.49	\$22.71	\$3.22	16.50%	\$3.01	\$2.99	-\$0.02	-0.76%	\$22.50	\$25.69	\$3.19	14.19%
	10	\$23.28	\$28.18	\$4.90	21.04%	\$4.30	\$4.27	-\$0.03	-0.76%	\$27.58	\$32.45	\$4.87	17.64%
	15	\$29.60	\$37.30	\$7.70	26.02%	\$6.45	\$6.41	-\$0.05	-0.76%	\$36.05	\$43.70	\$7.65	21.23%
	20	\$35.91	\$46.42	\$10.50	29.25%	\$8.61	\$8.54	-\$0.07	-0.76%	\$44.52	\$54.96	\$10.44	23.45%
	25	\$42.23	\$55.54	\$13.31	31.51%	\$10.76	\$10.68	-\$0.08	-0.76%	\$52.99	\$66.21	\$13.23	24.96%
	30	\$48.55	\$64.66	\$16.11	33.19%	\$12.91	\$12.81	-\$0.10	-0.76%	\$61.46	\$77.47	\$16.01	26.06%
	35	\$54.86	\$73.78	\$18.91	34.48%	\$15.06	\$14.95	-\$0.11	-0.76%	\$69.92	\$88.72	\$18.80	26.89%
	40	\$61.18	\$82.90	\$21.72	35.50%	\$17.21	\$17.08	-\$0.13	-0.76%	\$78.39	\$99.98	\$21.59	27.54%
	45	\$67.50	\$92.02	\$24.52	36.33%	\$19.36	\$19.22	-\$0.15	-0.76%	\$86.86	\$111.23	\$24.37	28.06%
	50	\$73.81	\$101.14	\$27.32	37.02%	\$21.51	\$21.35	-\$0.16	-0.76%	\$95.33	\$122.49	\$27.16	28.49%
	55	\$76.67	\$105.24	\$28.57	37.27%	\$23.67	\$23.49	-\$0.18	-0.76%	\$100.33	\$128.73	\$28.39	28.30%
	60	\$79.52	\$109.34	\$29.82	37.50%	\$25.82	\$25.62	-\$0.20	-0.76%	\$105.34	\$134.96	\$29.62	28.12%
	65	\$82.38	\$113.44	\$31.07	37.71%	\$27.97	\$27.76	-\$0.21	-0.76%	\$110.34	\$141.20	\$30.85	27.96%
	70	\$85.23	\$117.55	\$32.32	37.92%	\$30.12	\$29.89	-\$0.23	-0.76%	\$115.35	\$147.44	\$32.09	27.82%
	75	\$88.08	\$121.65	\$33.56	38.10%	\$32.27	\$32.03	-\$0.25	-0.76%	\$120.36	\$153.67	\$33.32	27.68%
	80	\$90.94	\$125.75	\$34.81	38.28%	\$34.42	\$34.16	-\$0.26	-0.76%	\$125.36	\$159.91	\$34.55	27.56%
	85	\$93.79	\$129.85	\$36.06	38.45%	\$36.57	\$36.30	-\$0.28	-0.76%	\$130.37	\$166.15	\$35.78	27.45%
	90	\$96.65	\$133.95	\$37.31	38.60%	\$38.73	\$38.43	-\$0.29	-0.76%	\$135.37	\$172.38	\$37.01	27.34%
	100	\$102.35	\$142.16	\$39.80	38.89%	\$43.03	\$42.70	-\$0.33	-0.76%	\$145.38	\$184.86	\$39.47	27.15%
	2018				2019						Difference	Change	
First 3 or Less				\$12.54				\$13.25			\$0.71	5.66%	
Next 47 Therms per Therm				\$1.192000				\$1.727300			\$0.535	44.91%	
Over 50 Therms per Therm				\$0.530700				\$0.769000			\$0.238	44.90%	
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.404400				\$0.400953			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.015044				\$0.015298			\$0.000	1.69%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.175000%				0.175000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1B-DG - Residential Heat Distributed Generation

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$34.25	\$34.47	\$0.22	0.64%	\$0.00	\$0.00	\$0.00	0.00%	\$34.25	\$34.47	\$0.22	0.64%	
3	\$34.29	\$34.51	\$0.22	0.64%	\$1.35	\$1.34	-\$0.01	-0.76%	\$35.63	\$35.85	\$0.21	0.59%	
10	\$35.33	\$35.55	\$0.22	0.62%	\$4.49	\$4.46	-\$0.03	-0.76%	\$39.82	\$40.01	\$0.19	0.47%	
15	\$36.07	\$36.30	\$0.22	0.61%	\$6.74	\$6.68	-\$0.05	-0.76%	\$42.81	\$42.98	\$0.17	0.40%	
20	\$36.82	\$37.04	\$0.22	0.60%	\$8.98	\$8.91	-\$0.07	-0.76%	\$45.80	\$45.95	\$0.15	0.33%	
30	\$38.31	\$38.53	\$0.22	0.58%	\$13.47	\$13.37	-\$0.10	-0.76%	\$51.78	\$51.90	\$0.12	0.23%	
40	\$39.80	\$40.02	\$0.22	0.55%	\$17.96	\$17.83	-\$0.14	-0.76%	\$57.76	\$57.84	\$0.08	0.15%	
50	\$41.29	\$41.51	\$0.22	0.53%	\$22.45	\$22.28	-\$0.17	-0.76%	\$63.74	\$63.79	\$0.05	0.08%	
75	\$45.01	\$45.23	\$0.22	0.49%	\$33.68	\$33.42	-\$0.26	-0.76%	\$78.69	\$78.66	(\$0.04)	-0.05%	
100	\$48.73	\$48.95	\$0.22	0.45%	\$44.91	\$44.57	-\$0.34	-0.76%	\$93.64	\$93.52	(\$0.12)	-0.13%	
125	\$52.46	\$52.68	\$0.22	0.42%	\$56.13	\$55.71	-\$0.43	-0.76%	\$108.59	\$108.38	(\$0.21)	-0.19%	
Typical	150	\$56.18	\$56.40	\$0.22	0.39%	\$67.36	\$66.85	-\$0.51	-0.76%	\$123.54	\$123.25	(\$0.29)	-0.24%
	175	\$59.90	\$60.12	\$0.22	0.37%	\$78.59	\$77.99	-\$0.60	-0.76%	\$138.49	\$138.11	(\$0.38)	-0.27%
	200	\$63.63	\$63.85	\$0.22	0.35%	\$89.82	\$89.13	-\$0.68	-0.76%	\$153.44	\$152.98	(\$0.46)	-0.30%
	225	\$67.35	\$67.57	\$0.22	0.33%	\$101.04	\$100.27	-\$0.77	-0.76%	\$168.39	\$167.84	(\$0.55)	-0.33%
	250	\$71.07	\$71.29	\$0.22	0.31%	\$112.27	\$111.41	-\$0.85	-0.76%	\$183.34	\$182.71	(\$0.63)	-0.35%
	275	\$74.79	\$75.02	\$0.22	0.30%	\$123.50	\$122.56	-\$0.94	-0.76%	\$198.29	\$197.57	(\$0.72)	-0.36%
	300	\$78.52	\$78.74	\$0.22	0.28%	\$134.72	\$133.70	-\$1.03	-0.76%	\$213.24	\$212.44	(\$0.80)	-0.38%
	325	\$82.24	\$82.46	\$0.22	0.27%	\$145.95	\$144.84	-\$1.11	-0.76%	\$228.19	\$227.30	(\$0.89)	-0.39%
	350	\$85.96	\$86.18	\$0.22	0.26%	\$157.18	\$155.98	-\$1.20	-0.76%	\$243.14	\$242.16	(\$0.98)	-0.40%
	375	\$89.69	\$89.91	\$0.22	0.25%	\$168.40	\$167.12	-\$1.28	-0.76%	\$258.09	\$257.03	(\$1.06)	-0.41%
	400	\$93.41	\$93.63	\$0.22	0.24%	\$179.63	\$178.26	-\$1.37	-0.76%	\$273.04	\$271.89	(\$1.15)	-0.42%
2018					2019						Difference	Change	
First 3 or Less				\$32.93				\$32.93			\$0.00	0.00%	
Next 47 Therms per Therm				\$0.136000				\$0.136000			\$0.000	0.00%	
Over 50 Therms per Therm				\$0.000000				\$0.000000			\$0.000	0.00%	
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.003500				\$0.003500			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.404400				\$0.400953			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.015044				\$0.015298			\$0.000	1.69%	
GRT on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				4.548000%				4.548000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1 BR - Residential Heat Reduced Rate (Tier 1)

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$3.93	\$4.16	\$0.23	5.87%	\$0.00	\$0.00	\$0.00	0.00%	\$3.93	\$4.16	\$0.23	5.87%	
3	\$3.97	\$4.20	\$0.23	5.81%	\$1.29	\$1.28	-\$0.01	-0.76%	\$5.26	\$5.48	\$0.22	4.20%	
Typical	10	\$11.02	\$12.67	\$1.65	14.99%	\$4.30	\$4.27	-\$0.03	-0.76%	\$15.32	\$16.94	\$1.62	10.57%
	15	\$16.05	\$18.72	\$2.67	16.61%	\$6.45	\$6.41	-\$0.05	-0.76%	\$22.50	\$25.12	\$2.62	11.63%
	20	\$21.09	\$24.77	\$3.68	17.46%	\$8.61	\$8.54	-\$0.07	-0.76%	\$29.69	\$33.31	\$3.62	12.18%
	25	\$26.12	\$30.82	\$4.70	17.98%	\$10.76	\$10.68	-\$0.08	-0.76%	\$36.88	\$41.49	\$4.61	12.51%
	30	\$31.16	\$36.87	\$5.71	18.33%	\$12.91	\$12.81	-\$0.10	-0.76%	\$44.06	\$49.68	\$5.61	12.74%
	40	\$41.23	\$48.97	\$7.74	18.78%	\$17.21	\$17.08	-\$0.13	-0.76%	\$58.44	\$66.05	\$7.61	13.02%
	50	\$51.30	\$61.07	\$9.77	19.05%	\$21.51	\$21.35	-\$0.16	-0.76%	\$72.81	\$82.42	\$9.61	13.19%
	60	\$54.95	\$65.44	\$10.49	19.09%	\$25.82	\$25.62	-\$0.20	-0.76%	\$80.76	\$91.06	\$10.29	12.74%
	70	\$58.60	\$69.81	\$11.21	19.13%	\$30.12	\$29.89	-\$0.23	-0.76%	\$88.72	\$99.70	\$10.98	12.38%
	80	\$62.25	\$74.18	\$11.93	19.16%	\$34.42	\$34.16	-\$0.26	-0.76%	\$96.67	\$108.34	\$11.67	12.07%
	100	\$69.56	\$82.92	\$13.37	19.22%	\$43.03	\$42.70	-\$0.33	-0.76%	\$112.58	\$125.62	\$13.04	11.58%
	120	\$76.86	\$91.67	\$14.81	19.26%	\$51.63	\$51.24	-\$0.39	-0.76%	\$128.49	\$142.91	\$14.41	11.22%
	140	\$84.16	\$100.41	\$16.25	19.30%	\$60.24	\$59.78	-\$0.46	-0.76%	\$144.40	\$160.19	\$15.79	10.93%
	160	\$91.47	\$109.15	\$17.68	19.33%	\$68.85	\$68.32	-\$0.52	-0.76%	\$160.31	\$177.47	\$17.16	10.70%
	180	\$98.77	\$117.90	\$19.12	19.36%	\$77.45	\$76.86	-\$0.59	-0.76%	\$176.22	\$194.76	\$18.53	10.52%
	200	\$106.08	\$126.64	\$20.56	19.38%	\$86.06	\$85.40	-\$0.66	-0.76%	\$192.13	\$212.04	\$19.91	10.36%
	220	\$113.38	\$135.38	\$22.00	19.41%	\$94.66	\$93.94	-\$0.72	-0.76%	\$208.04	\$229.32	\$21.28	10.23%
	250	\$124.34	\$148.50	\$24.16	19.43%	\$107.57	\$106.75	-\$0.82	-0.76%	\$231.91	\$255.25	\$23.34	10.06%
	300	\$142.60	\$170.35	\$27.76	19.47%	\$129.09	\$128.10	-\$0.98	-0.76%	\$271.68	\$298.46	\$26.78	9.86%
	400	\$179.12	\$214.07	\$34.95	19.51%	\$172.12	\$170.81	-\$1.31	-0.76%	\$351.23	\$384.87	\$33.64	9.58%
	2018				2019						Difference	Change	
First 3 or Less				\$2.55				\$2.55			\$0.00	0.00%	
Next 47 Therms per Therm				\$0.949100				\$1.142900			\$0.194	20.42%	
Over 50 Therms per Therm				\$0.336300				\$0.405000			\$0.069	20.43%	
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.003500				\$0.003500			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.404400				\$0.400953			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.015044				\$0.015298			\$0.000	1.69%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.175000%				0.175000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1 BR - Residential Heat Reduced Rate (Tier 2)

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	-\$12.83	-\$12.60	\$0.23	-1.80%	\$0.00	\$0.00	\$0.00	0.00%	-\$12.83	-\$12.60	\$0.23	-1.80%	
3	-\$12.79	-\$12.56	\$0.23	-1.80%	\$1.29	\$1.28	-\$0.01	-0.76%	-\$11.50	-\$11.28	\$0.22	-1.92%	
Typical	10	-\$5.74	-\$4.09	\$1.65	-28.76%	\$4.30	\$4.27	-\$0.03	-0.76%	-\$1.44	\$0.18	\$1.62	-112.49%
	15	-\$0.71	\$1.96	\$2.67	-377.24%	\$6.45	\$6.41	-\$0.05	-0.76%	\$5.75	\$8.36	\$2.62	45.53%
	20	\$4.33	\$8.01	\$3.68	85.04%	\$8.61	\$8.54	-\$0.07	-0.76%	\$12.93	\$16.55	\$3.62	27.95%
	25	\$9.36	\$14.06	\$4.70	50.15%	\$10.76	\$10.68	-\$0.08	-0.76%	\$20.12	\$24.73	\$4.61	22.93%
	30	\$14.40	\$20.11	\$5.71	39.66%	\$12.91	\$12.81	-\$0.10	-0.76%	\$27.31	\$32.92	\$5.61	20.55%
	40	\$24.47	\$32.21	\$7.74	31.63%	\$17.21	\$17.08	-\$0.13	-0.76%	\$41.68	\$49.29	\$7.61	18.26%
	50	\$34.54	\$44.31	\$9.77	28.29%	\$21.51	\$21.35	-\$0.16	-0.76%	\$56.05	\$65.66	\$9.61	17.14%
	60	\$38.19	\$48.68	\$10.49	27.47%	\$25.82	\$25.62	-\$0.20	-0.76%	\$64.01	\$74.30	\$10.29	16.08%
	70	\$41.84	\$53.05	\$11.21	26.79%	\$30.12	\$29.89	-\$0.23	-0.76%	\$71.96	\$82.94	\$10.98	15.26%
	80	\$45.49	\$57.42	\$11.93	26.22%	\$34.42	\$34.16	-\$0.26	-0.76%	\$79.92	\$91.58	\$11.67	14.60%
	100	\$52.80	\$66.17	\$13.37	25.32%	\$43.03	\$42.70	-\$0.33	-0.76%	\$95.83	\$108.87	\$13.04	13.61%
	120	\$60.10	\$74.91	\$14.81	24.64%	\$51.63	\$51.24	-\$0.39	-0.76%	\$111.74	\$126.15	\$14.41	12.90%
	140	\$67.41	\$83.65	\$16.25	24.10%	\$60.24	\$59.78	-\$0.46	-0.76%	\$127.65	\$143.43	\$15.79	12.37%
	160	\$74.71	\$92.39	\$17.68	23.67%	\$68.85	\$68.32	-\$0.52	-0.76%	\$143.56	\$160.72	\$17.16	11.95%
	180	\$82.01	\$101.14	\$19.12	23.32%	\$77.45	\$76.86	-\$0.59	-0.76%	\$159.47	\$178.00	\$18.53	11.62%
	200	\$89.32	\$109.88	\$20.56	23.02%	\$86.06	\$85.40	-\$0.66	-0.76%	\$175.38	\$195.28	\$19.91	11.35%
	220	\$96.62	\$118.62	\$22.00	22.77%	\$94.66	\$93.94	-\$0.72	-0.76%	\$191.29	\$212.57	\$21.28	11.13%
	250	\$107.58	\$131.74	\$24.16	22.46%	\$107.57	\$106.75	-\$0.82	-0.76%	\$215.15	\$238.49	\$23.34	10.85%
	300	\$125.84	\$153.60	\$27.76	22.06%	\$129.09	\$128.10	-\$0.98	-0.76%	\$254.93	\$281.70	\$26.78	10.50%
	400	\$162.36	\$197.31	\$34.95	21.53%	\$172.12	\$170.81	-\$1.31	-0.76%	\$334.47	\$368.12	\$33.64	10.06%
	2018					2019					Difference	Change	
First 3 or Less				-\$13.45				-\$13.45			\$0.00	0.00%	
Next 47 Therms per Therm				\$0.949100				\$1.142900			\$0.194	20.42%	
Over 50 Therms per Therm				\$0.336300				\$0.405000			\$0.069	20.43%	
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.003500				\$0.003500			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.404400				\$0.400953			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.015044				\$0.015298			\$0.000	1.69%	
GRT on Delivery				4.548000%				4.548000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.175000%				0.175000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 1 BR - Residential Heat Reduced Rate (Tier 3)

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	-\$30.63	-\$30.40	\$0.23	-0.75%	\$0.00	\$0.00	\$0.00	0.00%	-\$30.63	-\$30.40	\$0.23	-0.75%
3	-\$30.60	-\$30.36	\$0.23	-0.75%	\$1.29	\$1.28	-\$0.01	-0.76%	-\$29.30	-\$29.08	\$0.22	-0.75%
Typical												
10	-\$23.55	-\$21.89	\$1.65	-7.01%	\$4.30	\$4.27	-\$0.03	-0.76%	-\$19.24	-\$17.62	\$1.62	-8.41%
15	-\$18.51	-\$15.85	\$2.67	-14.40%	\$6.45	\$6.41	-\$0.05	-0.76%	-\$12.06	-\$9.44	\$2.62	-21.70%
20	-\$13.48	-\$9.80	\$3.68	-27.31%	\$8.61	\$8.54	-\$0.07	-0.76%	-\$4.87	-\$1.25	\$3.62	-74.23%
25	-\$8.44	-\$3.75	\$4.70	-55.63%	\$10.76	\$10.68	-\$0.08	-0.76%	\$2.32	\$6.93	\$4.61	199.21%
30	-\$3.41	\$2.30	\$5.71	-167.65%	\$12.91	\$12.81	-\$0.10	-0.76%	\$9.50	\$15.11	\$5.61	59.06%
40	\$6.66	\$14.40	\$7.74	116.16%	\$17.21	\$17.08	-\$0.13	-0.76%	\$23.88	\$31.48	\$7.61	31.87%
50	\$16.73	\$26.50	\$9.77	58.39%	\$21.51	\$21.35	-\$0.16	-0.76%	\$38.25	\$47.85	\$9.61	25.12%
60	\$20.39	\$30.88	\$10.49	51.46%	\$25.82	\$25.62	-\$0.20	-0.76%	\$46.20	\$56.50	\$10.29	22.28%
70	\$24.04	\$35.25	\$11.21	46.63%	\$30.12	\$29.89	-\$0.23	-0.76%	\$54.16	\$65.14	\$10.98	20.27%
80	\$27.69	\$39.62	\$11.93	43.08%	\$34.42	\$34.16	-\$0.26	-0.76%	\$62.11	\$73.78	\$11.67	18.78%
100	\$34.99	\$48.36	\$13.37	38.20%	\$43.03	\$42.70	-\$0.33	-0.76%	\$78.02	\$91.06	\$13.04	16.71%
120	\$42.30	\$57.10	\$14.81	35.01%	\$51.63	\$51.24	-\$0.39	-0.76%	\$93.93	\$108.35	\$14.41	15.34%
140	\$49.60	\$65.85	\$16.25	32.75%	\$60.24	\$59.78	-\$0.46	-0.76%	\$109.84	\$125.63	\$15.79	14.37%
160	\$56.91	\$74.59	\$17.68	31.08%	\$68.85	\$68.32	-\$0.52	-0.76%	\$125.75	\$142.91	\$17.16	13.65%
180	\$64.21	\$83.33	\$19.12	29.78%	\$77.45	\$76.86	-\$0.59	-0.76%	\$141.66	\$160.20	\$18.53	13.08%
200	\$71.51	\$92.08	\$20.56	28.75%	\$86.06	\$85.40	-\$0.66	-0.76%	\$157.57	\$177.48	\$19.91	12.63%
220	\$78.82	\$100.82	\$22.00	27.91%	\$94.66	\$93.94	-\$0.72	-0.76%	\$173.48	\$194.76	\$21.28	12.27%
250	\$89.77	\$113.93	\$24.16	26.91%	\$107.57	\$106.75	-\$0.82	-0.76%	\$197.35	\$220.69	\$23.34	11.83%
300	\$108.03	\$135.79	\$27.76	25.69%	\$129.09	\$128.10	-\$0.98	-0.76%	\$237.12	\$263.90	\$26.78	11.29%
400	\$144.55	\$179.51	\$34.95	24.18%	\$172.12	\$170.81	-\$1.31	-0.76%	\$316.67	\$350.31	\$33.64	10.62%
	2018				2019				Difference		Change	
First 3 or Less				-\$30.45				-\$30.45		\$0.00		0.00%
Next 47 Therms per Therm				\$0.949100				\$1.142900		\$0.194		20.42%
Over 50 Therms per Therm				\$0.336300				\$0.405000		\$0.069		20.43%
Billing & Payment Processing				\$1.200000				\$1.420000		\$0.220		18.33%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000		\$0.000		0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000		\$0.000		0.00%
Revenue Decoupling Mechanism				\$0.000000				\$0.000000		\$0.000		0.00%
System Benefits Charge				\$0.003500				\$0.003500		\$0.000		0.00%
Energy Efficiency Surcharge				\$0.008900				\$0.008900		\$0.000		0.00%
Monthly Cost of Gas				\$0.404400				\$0.400953		(\$0.003)		-0.85%
Merchant Function Charge				\$0.015044				\$0.015298		\$0.000		1.69%
GRT on Delivery				4.548000%				4.548000%		\$0.000		0.00%
GRT on Supply				2.407000%				2.407000%		\$0.000		0.00%
MTA on Delivery				0.176000%				0.176000%		\$0.000		0.00%
MTA on Supply				0.175000%				0.175000%		\$0.000		0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 2-1 - Non Residential Non Heat

Therm Usage	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
0	\$39.75	\$39.98	\$0.23	0.57%	\$0.00	\$0.00	\$0.00	0.00%	\$39.75	\$39.98	\$0.23	0.57%
3	\$39.80	\$40.02	\$0.23	0.57%	\$1.29	\$1.28	-\$0.01	-0.76%	\$41.09	\$41.30	\$0.22	0.53%
10	\$43.94	\$44.81	\$0.87	1.98%	\$4.30	\$4.27	-\$0.03	-0.76%	\$48.24	\$49.08	\$0.84	1.74%
30	\$55.78	\$58.50	\$2.72	4.87%	\$12.91	\$12.81	-\$0.10	-0.76%	\$68.69	\$71.31	\$2.62	3.81%
50	\$67.62	\$72.18	\$4.57	6.75%	\$21.51	\$21.35	-\$0.16	-0.76%	\$89.13	\$93.53	\$4.40	4.94%
70	\$79.46	\$85.87	\$6.41	8.07%	\$30.12	\$29.89	-\$0.23	-0.76%	\$109.58	\$115.76	\$6.18	5.64%
90	\$91.29	\$99.55	\$8.26	9.05%	\$38.73	\$38.43	-\$0.29	-0.76%	\$130.02	\$137.98	\$7.96	6.12%
110	\$99.56	\$109.09	\$9.53	9.57%	\$47.33	\$46.97	-\$0.36	-0.76%	\$146.89	\$156.06	\$9.17	6.24%
150	\$116.09	\$128.17	\$12.08	10.41%	\$64.54	\$64.05	-\$0.49	-0.76%	\$180.63	\$192.22	\$11.59	6.42%
200	\$136.75	\$152.01	\$15.27	11.16%	\$86.06	\$85.40	-\$0.66	-0.76%	\$222.81	\$237.42	\$14.61	6.56%
250	\$157.41	\$175.86	\$18.45	11.72%	\$107.57	\$106.76	-\$0.82	-0.76%	\$264.98	\$282.62	\$17.63	6.65%
300	\$178.07	\$199.71	\$21.64	12.15%	\$129.09	\$128.11	-\$0.98	-0.76%	\$307.16	\$327.81	\$20.65	6.72%
Typical	\$260.72	\$295.09	\$34.38	13.19%	\$215.15	\$213.51	-\$1.64	-0.76%	\$475.86	\$508.60	\$32.74	6.88%
700	\$343.36	\$390.48	\$47.12	13.72%	\$301.21	\$298.91	-\$2.29	-0.76%	\$644.57	\$689.39	\$44.83	6.95%
900	\$426.00	\$485.86	\$59.86	14.05%	\$387.27	\$384.32	-\$2.95	-0.76%	\$813.27	\$870.18	\$56.91	7.00%
1,100	\$508.65	\$581.25	\$72.60	14.27%	\$473.33	\$469.72	-\$3.60	-0.76%	\$981.97	\$1,050.97	\$69.00	7.03%
1,300	\$591.29	\$676.64	\$85.34	14.43%	\$559.38	\$555.13	-\$4.26	-0.76%	\$1,150.68	\$1,231.76	\$81.09	7.05%
1,500	\$673.94	\$772.02	\$98.08	14.55%	\$645.44	\$640.53	-\$4.91	-0.76%	\$1,319.38	\$1,412.55	\$93.17	7.06%
1,700	\$756.58	\$867.41	\$110.83	14.65%	\$731.50	\$725.93	-\$5.57	-0.76%	\$1,488.08	\$1,593.34	\$105.26	7.07%
1,900	\$839.23	\$962.79	\$123.57	14.72%	\$817.56	\$811.34	-\$6.22	-0.76%	\$1,656.79	\$1,774.13	\$117.34	7.08%
2,100	\$921.87	\$1,058.18	\$136.31	14.79%	\$903.62	\$896.74	-\$6.88	-0.76%	\$1,825.49	\$1,954.92	\$129.43	7.09%
3,000	\$1,293.77	\$1,487.41	\$193.64	14.97%	\$1,290.89	\$1,281.06	-\$9.83	-0.76%	\$2,584.66	\$2,768.47	\$183.82	7.11%
4,000	\$1,547.57	\$1,779.48	\$231.91	14.99%	\$1,721.18	\$1,708.08	-\$13.10	-0.76%	\$3,268.75	\$3,487.56	\$218.81	6.69%
5,000	\$1,801.37	\$2,071.54	\$270.17	15.00%	\$2,151.48	\$2,135.10	-\$16.38	-0.76%	\$3,952.85	\$4,206.65	\$253.80	6.42%
6,000	\$2,055.17	\$2,363.61	\$308.44	15.01%	\$2,581.77	\$2,562.12	-\$19.65	-0.76%	\$4,636.94	\$4,925.73	\$288.79	6.23%
7,000	\$2,308.97	\$2,655.68	\$346.70	15.02%	\$3,012.07	\$2,989.14	-\$22.93	-0.76%	\$5,321.04	\$5,644.82	\$323.78	6.08%
8,000	\$2,562.77	\$2,947.74	\$384.97	15.02%	\$3,442.37	\$3,416.16	-\$26.20	-0.76%	\$6,005.14	\$6,363.90	\$358.77	5.97%
9,000	\$2,816.57	\$3,239.81	\$423.23	15.03%	\$3,872.66	\$3,843.18	-\$29.48	-0.76%	\$6,689.23	\$7,082.99	\$393.76	5.89%
10,000	\$3,070.37	\$3,531.87	\$461.50	15.03%	\$4,302.96	\$4,270.20	-\$32.75	-0.76%	\$7,373.33	\$7,802.08	\$428.75	5.81%
11,000	\$3,324.18	\$3,823.94	\$499.77	15.03%	\$4,733.25	\$4,697.22	-\$36.03	-0.76%	\$8,057.43	\$8,521.16	\$463.74	5.76%
12,000	\$3,577.98	\$4,116.01	\$538.03	15.04%	\$5,163.55	\$5,124.24	-\$39.30	-0.76%	\$8,741.52	\$9,240.25	\$498.73	5.71%
13,000	\$3,831.78	\$4,408.07	\$576.30	15.04%	\$5,593.84	\$5,551.26	-\$42.58	-0.76%	\$9,425.62	\$9,959.33	\$533.71	5.66%
15,000	\$4,339.38	\$4,992.20	\$652.83	15.04%	\$6,454.43	\$6,405.30	-\$49.13	-0.76%	\$10,793.81	\$11,397.51	\$603.69	5.59%
20,000	\$5,608.38	\$6,452.53	\$844.15	15.05%	\$8,605.91	\$8,540.40	-\$65.51	-0.76%	\$14,214.30	\$14,992.94	\$778.64	5.48%
25,000	\$6,877.39	\$7,912.86	\$1,035.48	15.06%	\$10,757.39	\$10,675.51	-\$81.88	-0.76%	\$17,634.78	\$18,588.37	\$953.59	5.41%
30,000	\$8,146.39	\$9,373.19	\$1,226.80	15.06%	\$12,908.87	\$12,810.61	-\$98.26	-0.76%	\$21,055.26	\$22,183.80	\$1,128.54	5.36%
35,000	\$9,415.39	\$10,833.52	\$1,418.13	15.06%	\$15,060.35	\$14,945.71	-\$114.64	-0.76%	\$24,475.74	\$25,779.23	\$1,303.49	5.33%
40,000	\$10,684.40	\$12,293.85	\$1,609.45	15.06%	\$17,211.83	\$17,080.81	-\$131.02	-0.76%	\$27,896.22	\$29,374.66	\$1,478.44	5.30%
45,000	\$11,953.40	\$13,754.18	\$1,800.78	15.06%	\$19,363.30	\$19,215.91	-\$147.39	-0.76%	\$31,316.71	\$32,970.09	\$1,653.38	5.28%
50,000	\$13,222.41	\$15,214.51	\$1,992.10	15.07%	\$21,514.78	\$21,351.01	-\$163.77	-0.76%	\$34,737.19	\$36,565.52	\$1,828.33	5.26%
	\$1.20											
2018					2019						Difference	Change
First 3 therms				\$37.55				\$37.55			\$0.00	0.00%
Next 87 therms				\$0.562700				\$0.652700			\$0.090	15.99%
Next 2,910 therms				\$0.388500				\$0.450600			\$0.062	15.98%
Over 3,000 therms				\$0.233100				\$0.270400			\$0.037	16.00%
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%
Monthly Cost of Gas				\$0.404400				\$0.400953			(\$0.003)	-0.85%
Merchant Function Charge				\$0.015044				\$0.015298			\$0.000	1.69%
GRT on Delivery				2.407000%				2.407000%			\$0.000	0.00%
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%
GTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 2-2 - Non Residential Heat

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$39.75	\$39.98	\$0.23	0.57%	\$0.00	\$0.00	\$0.00	0.00%	\$39.75	\$39.98	\$0.23	0.57%
3	\$39.80	\$40.02	\$0.23	0.57%	\$1.32	\$1.31	-\$0.01	-0.76%	\$41.12	\$41.33	\$0.22	0.52%
10	\$44.10	\$45.12	\$1.02	2.30%	\$4.40	\$4.37	-\$0.03	-0.76%	\$48.50	\$49.48	\$0.98	2.03%
15	\$47.17	\$48.75	\$1.58	3.35%	\$6.60	\$6.55	-\$0.05	-0.76%	\$53.77	\$55.30	\$1.53	2.85%
20	\$50.24	\$52.39	\$2.15	4.27%	\$8.80	\$8.73	-\$0.07	-0.76%	\$59.04	\$61.12	\$2.08	3.52%
25	\$53.32	\$56.03	\$2.71	5.08%	\$11.00	\$10.91	-\$0.08	-0.76%	\$64.31	\$66.94	\$2.63	4.08%
30	\$56.39	\$59.67	\$3.28	5.81%	\$13.20	\$13.10	-\$0.10	-0.76%	\$69.59	\$72.76	\$3.17	4.56%
40	\$62.54	\$66.94	\$4.40	7.04%	\$17.60	\$17.46	-\$0.13	-0.76%	\$80.13	\$84.40	\$4.27	5.33%
50	\$68.68	\$74.22	\$5.53	8.06%	\$21.99	\$21.83	-\$0.17	-0.76%	\$90.68	\$96.04	\$5.37	5.92%
60	\$74.83	\$81.49	\$6.66	8.91%	\$26.39	\$26.19	-\$0.20	-0.76%	\$101.22	\$107.68	\$6.46	6.38%
70	\$80.97	\$88.77	\$7.79	9.62%	\$30.79	\$30.56	-\$0.23	-0.76%	\$111.77	\$119.33	\$7.56	6.76%
80	\$87.12	\$96.04	\$8.92	10.24%	\$35.19	\$34.92	-\$0.27	-0.76%	\$122.31	\$130.97	\$8.65	7.08%
100	\$98.38	\$109.37	\$10.99	11.17%	\$43.99	\$43.65	-\$0.33	-0.76%	\$142.37	\$153.02	\$10.65	7.48%
120	\$108.62	\$121.48	\$12.86	11.84%	\$52.79	\$52.38	-\$0.40	-0.76%	\$161.40	\$173.86	\$12.46	7.72%
140	\$118.85	\$133.58	\$14.73	12.39%	\$61.58	\$61.11	-\$0.47	-0.76%	\$180.44	\$194.70	\$14.26	7.90%
160	\$129.09	\$145.69	\$16.60	12.86%	\$70.38	\$69.84	-\$0.54	-0.76%	\$199.47	\$215.53	\$16.07	8.05%
180	\$139.32	\$157.79	\$18.47	13.26%	\$79.18	\$78.58	-\$0.60	-0.76%	\$218.50	\$236.37	\$17.87	8.18%
Typical	\$149.55	\$169.90	\$20.34	13.60%	\$87.98	\$87.31	-\$0.67	-0.76%	\$237.53	\$257.20	\$19.67	8.28%
250	\$175.14	\$200.16	\$25.02	14.29%	\$109.97	\$109.13	-\$0.84	-0.76%	\$285.11	\$309.29	\$24.18	8.48%
280	\$190.49	\$218.32	\$27.83	14.61%	\$123.17	\$122.23	-\$0.94	-0.76%	\$313.66	\$340.55	\$26.89	8.57%
300	\$200.72	\$230.42	\$29.70	14.80%	\$131.96	\$130.96	-\$1.00	-0.76%	\$332.69	\$361.38	\$28.70	8.63%
400	\$251.90	\$290.95	\$39.06	15.50%	\$175.95	\$174.61	-\$1.34	-0.76%	\$427.85	\$465.56	\$37.72	8.82%
500	\$303.07	\$351.48	\$48.41	15.97%	\$219.94	\$218.27	-\$1.67	-0.76%	\$523.01	\$569.74	\$46.74	8.94%
600	\$354.24	\$412.00	\$57.77	16.31%	\$263.93	\$261.92	-\$2.01	-0.76%	\$618.16	\$673.92	\$55.76	9.02%
1,000	\$558.92	\$654.11	\$95.19	17.03%	\$439.88	\$436.53	-\$3.35	-0.76%	\$998.80	\$1,090.64	\$91.84	9.20%
1,500	\$814.77	\$956.74	\$141.97	17.42%	\$659.82	\$654.80	-\$5.02	-0.76%	\$1,474.59	\$1,611.54	\$136.95	9.29%
2,000	\$1,070.62	\$1,259.37	\$188.75	17.63%	\$879.76	\$873.06	-\$6.70	-0.76%	\$1,950.38	\$2,132.44	\$182.05	9.33%
2,570	\$1,362.30	\$1,604.38	\$242.08	17.77%	\$1,130.49	\$1,121.88	-\$8.61	-0.76%	\$2,492.78	\$2,726.26	\$233.47	9.37%
3,000	\$1,582.33	\$1,864.64	\$282.31	17.84%	\$1,319.64	\$1,309.59	-\$10.05	-0.76%	\$2,901.96	\$3,174.23	\$272.27	9.38%
5,000	\$2,274.18	\$2,681.23	\$407.06	17.90%	\$2,199.39	\$2,182.65	-\$16.74	-0.76%	\$4,473.57	\$4,863.89	\$390.31	8.72%
9,000	\$3,657.87	\$4,314.42	\$656.55	17.95%	\$3,958.91	\$3,928.77	-\$30.14	-0.76%	\$7,616.78	\$8,243.20	\$626.41	8.22%
10,000	\$4,003.80	\$4,722.72	\$718.92	17.96%	\$4,398.79	\$4,365.30	-\$33.48	-0.76%	\$8,402.58	\$9,088.02	\$685.44	8.16%
30,000	\$10,922.28	\$12,888.66	\$1,966.38	18.00%	\$13,196.36	\$13,095.91	-\$100.45	-0.76%	\$24,118.64	\$25,984.57	\$1,865.93	7.74%
50,000	\$17,840.76	\$21,054.61	\$3,213.84	18.01%	\$21,993.93	\$21,826.52	-\$167.42	-0.76%	\$39,834.70	\$42,881.12	\$3,046.43	7.65%
75,000	\$26,488.87	\$31,262.04	\$4,773.17	18.02%	\$32,990.90	\$32,739.77	-\$251.13	-0.76%	\$59,479.77	\$64,001.81	\$4,522.04	7.60%
100,000	\$35,136.97	\$41,469.47	\$6,332.50	18.02%	\$43,987.87	\$43,653.03	-\$334.83	-0.76%	\$79,124.84	\$85,122.50	\$5,997.66	7.58%
150,000	\$52,433.18	\$61,884.33	\$9,451.15	18.03%	\$65,981.80	\$65,479.55	-\$502.25	-0.76%	\$118,414.98	\$127,363.87	\$8,948.90	7.56%
200,000	\$69,729.39	\$82,299.19	\$12,569.80	18.03%	\$87,975.73	\$87,306.06	-\$669.67	-0.76%	\$157,705.12	\$169,605.25	\$11,900.13	7.55%
250,000	\$87,025.60	\$102,714.05	\$15,688.45	18.03%	\$109,969.66	\$109,132.58	-\$837.09	-0.76%	\$196,995.26	\$211,846.63	\$14,851.37	7.54%
500,000	\$173,506.64	\$204,788.35	\$31,281.71	18.03%	\$219,939.33	\$218,265.16	-\$1,674.17	-0.76%	\$393,445.96	\$423,053.50	\$29,607.54	7.53%
750,000	\$259,987.68	\$306,862.65	\$46,874.97	18.03%	\$329,908.99	\$327,397.73	-\$2,511.26	-0.76%	\$589,896.67	\$634,260.38	\$44,363.71	7.52%
2018					2019						Difference	Change
First 3 therms			\$37.55					\$37.55			\$0.00	0.00%
Next 87 therms			\$0.584800					\$0.694900			\$0.110	18.83%
Next 2,910 therms			\$0.484500					\$0.575700			\$0.091	18.82%
Over 3,000 therms			\$0.322900					\$0.383700			\$0.061	18.83%
Billing & Payment Processing			\$1.200000					\$1.420000			\$0.220	18.33%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0.000000					\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge			\$0.000000					\$0.000000			\$0.000	0.00%
System Benefits Charge			\$0.005400					\$0.005400			\$0.000	0.00%
Energy Efficiency Surcharge			\$0.008900					\$0.008900			\$0.000	0.00%
Monthly Cost of Gas			\$0.404400					\$0.400953			(\$0.003)	-0.85%
Merchant Function Charge			\$0.015044					\$0.015298			\$0.000	1.69%
GRT on Delivery			2.407000%					2.407000%			\$0.000	0.00%
GRT on Supply			2.407000%					2.407000%			\$0.000	0.00%
MTA on Delivery			0.176000%					0.176000%			\$0.000	0.00%
MTA on Supply			2.407000%					2.407000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 3 - Heating and/or Water Heating Service (Multi-Family Buildings)

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$42.64	\$42.87	\$0.23	0.54%	\$0.00	\$0.00	\$0.00	0.00%	\$42.64	\$42.87	\$0.23	0.54%	
3	\$42.68	\$42.91	\$0.23	0.54%	\$1.29	\$1.28	-\$0.01	-0.76%	\$43.97	\$44.19	\$0.22	0.50%	
10	\$45.66	\$46.25	\$0.59	1.29%	\$4.30	\$4.27	-\$0.03	-0.76%	\$49.96	\$50.52	\$0.56	1.11%	
50	\$62.66	\$65.29	\$2.64	4.21%	\$21.51	\$21.35	-\$0.16	-0.76%	\$84.17	\$86.64	\$2.47	2.94%	
100	\$83.91	\$89.10	\$5.20	6.20%	\$43.03	\$42.70	-\$0.33	-0.76%	\$126.94	\$131.81	\$4.87	3.84%	
150	\$105.16	\$112.92	\$7.76	7.38%	\$64.54	\$64.05	-\$0.49	-0.76%	\$169.70	\$176.97	\$7.27	4.28%	
200	\$126.41	\$136.73	\$10.32	8.16%	\$86.06	\$85.40	-\$0.66	-0.76%	\$212.47	\$222.13	\$9.66	4.55%	
250	\$147.66	\$160.54	\$12.88	8.72%	\$107.57	\$106.76	-\$0.82	-0.76%	\$255.23	\$267.29	\$12.06	4.73%	
300	\$168.91	\$184.35	\$15.44	9.14%	\$129.09	\$128.11	-\$0.98	-0.76%	\$298.00	\$312.45	\$14.46	4.85%	
350	\$190.16	\$208.16	\$18.00	9.47%	\$150.60	\$149.46	-\$1.15	-0.76%	\$340.76	\$357.62	\$16.86	4.95%	
400	\$211.41	\$231.97	\$20.56	9.73%	\$172.12	\$170.81	-\$1.31	-0.76%	\$383.53	\$402.78	\$19.25	5.02%	
450	\$232.66	\$255.78	\$23.12	9.94%	\$193.63	\$192.16	-\$1.47	-0.76%	\$426.29	\$447.94	\$21.65	5.08%	
500	\$253.91	\$279.59	\$25.68	10.12%	\$215.15	\$213.51	-\$1.64	-0.76%	\$469.06	\$493.10	\$24.05	5.13%	
1,000	\$466.41	\$517.70	\$51.29	11.00%	\$430.30	\$427.02	-\$3.28	-0.76%	\$896.70	\$944.72	\$48.02	5.35%	
Typical	1,500	\$624.66	\$694.75	\$70.09	11.22%	\$645.44	\$640.53	-\$4.91	-0.76%	\$1,270.10	\$1,335.28	\$65.18	5.13%
2,000	\$782.91	\$871.80	\$88.89	11.35%	\$860.59	\$854.04	-\$6.55	-0.76%	\$1,643.50	\$1,725.84	\$82.34	5.01%	
2,500	\$941.16	\$1,048.85	\$107.69	11.44%	\$1,075.74	\$1,067.55	-\$8.19	-0.76%	\$2,016.90	\$2,116.40	\$99.50	4.93%	
3,000	\$1,099.41	\$1,225.90	\$126.49	11.51%	\$1,290.89	\$1,281.06	-\$9.83	-0.76%	\$2,390.30	\$2,506.96	\$116.66	4.88%	
3,500	\$1,257.66	\$1,402.95	\$145.29	11.55%	\$1,506.03	\$1,494.57	-\$11.46	-0.76%	\$2,763.69	\$2,897.52	\$133.82	4.84%	
4,000	\$1,415.91	\$1,580.00	\$164.09	11.59%	\$1,721.18	\$1,708.08	-\$13.10	-0.76%	\$3,137.09	\$3,288.08	\$150.99	4.81%	
4,500	\$1,574.16	\$1,757.05	\$182.89	11.62%	\$1,936.33	\$1,921.59	-\$14.74	-0.76%	\$3,510.49	\$3,678.64	\$168.15	4.79%	
5,000	\$1,732.41	\$1,934.10	\$201.69	11.64%	\$2,151.48	\$2,135.10	-\$16.38	-0.76%	\$3,883.89	\$4,069.20	\$185.31	4.77%	
5,500	\$1,890.66	\$2,111.14	\$220.49	11.66%	\$2,366.63	\$2,348.61	-\$18.01	-0.76%	\$4,257.29	\$4,459.76	\$202.47	4.76%	
6,000	\$2,048.91	\$2,288.19	\$239.28	11.68%	\$2,581.77	\$2,562.12	-\$19.65	-0.76%	\$4,630.68	\$4,850.32	\$219.63	4.74%	
6,500	\$2,207.16	\$2,465.24	\$258.08	11.69%	\$2,796.92	\$2,775.63	-\$21.29	-0.76%	\$5,004.08	\$5,240.87	\$236.79	4.73%	
7,000	\$2,365.41	\$2,642.29	\$276.88	11.71%	\$3,012.07	\$2,989.14	-\$22.93	-0.76%	\$5,377.48	\$5,631.43	\$253.96	4.72%	
7,500	\$2,523.66	\$2,819.34	\$295.68	11.72%	\$3,227.22	\$3,202.65	-\$24.57	-0.76%	\$5,750.88	\$6,021.99	\$271.12	4.71%	
8,000	\$2,681.91	\$2,996.39	\$314.48	11.73%	\$3,442.37	\$3,416.16	-\$26.20	-0.76%	\$6,124.27	\$6,412.55	\$288.28	4.71%	
8,500	\$2,840.16	\$3,173.44	\$333.28	11.73%	\$3,657.51	\$3,629.67	-\$27.84	-0.76%	\$6,497.67	\$6,803.11	\$305.44	4.70%	
9,000	\$2,998.41	\$3,350.49	\$352.08	11.74%	\$3,872.66	\$3,843.18	-\$29.48	-0.76%	\$6,871.07	\$7,193.67	\$322.60	4.70%	
9,500	\$3,156.66	\$3,527.54	\$370.88	11.75%	\$4,087.81	\$4,056.69	-\$31.12	-0.76%	\$7,244.47	\$7,584.23	\$339.76	4.69%	
10,000	\$3,314.91	\$3,704.59	\$389.68	11.76%	\$4,302.96	\$4,270.20	-\$32.75	-0.76%	\$7,617.87	\$7,974.79	\$356.93	4.69%	
15,000	\$4,897.41	\$5,475.08	\$577.67	11.80%	\$6,454.43	\$6,405.30	-\$49.13	-0.76%	\$11,351.84	\$11,880.39	\$528.54	4.66%	
20,000	\$6,479.91	\$7,245.58	\$765.67	11.82%	\$8,605.91	\$8,540.40	-\$65.51	-0.76%	\$15,085.82	\$15,785.98	\$700.16	4.64%	
25,000	\$8,062.41	\$9,016.07	\$953.66	11.83%	\$10,757.39	\$10,675.51	-\$81.88	-0.76%	\$18,819.80	\$19,691.58	\$871.78	4.63%	
50,000	\$15,974.91	\$17,868.55	\$1,893.63	11.85%	\$21,514.78	\$21,351.01	-\$163.77	-0.76%	\$37,489.70	\$39,219.56	\$1,729.86	4.61%	
75,000	\$23,887.42	\$26,721.02	\$2,833.60	11.86%	\$32,272.17	\$32,026.52	-\$245.65	-0.76%	\$56,159.59	\$58,747.54	\$2,587.95	4.61%	
100,000	\$31,799.92	\$35,573.49	\$3,773.57	11.87%	\$43,029.56	\$42,702.02	-\$327.54	-0.76%	\$74,829.48	\$78,275.51	\$3,446.03	4.61%	
150,000	\$47,624.93	\$53,278.44	\$5,653.51	11.87%	\$64,544.34	\$64,053.03	-\$491.31	-0.76%	\$112,169.27	\$117,331.47	\$5,162.20	4.60%	
200,000	\$63,449.93	\$70,983.38	\$7,533.45	11.87%	\$86,059.13	\$85,404.05	-\$655.08	-0.76%	\$149,509.06	\$156,387.43	\$6,878.37	4.60%	
250,000	\$79,274.94	\$88,688.33	\$9,413.39	11.87%	\$107,573.91	\$106,755.06	-\$818.85	-0.76%	\$186,848.84	\$195,443.38	\$8,594.54	4.60%	
300,000	\$95,099.94	\$106,393.27	\$11,293.33	11.88%	\$129,088.69	\$128,106.07	-\$982.62	-0.76%	\$224,188.63	\$234,499.34	\$10,310.71	4.60%	
400,000	\$126,749.96	\$141,803.16	\$15,053.21	11.88%	\$172,118.25	\$170,808.09	-\$1,310.16	-0.76%	\$298,868.21	\$312,611.25	\$13,743.05	4.60%	
500,000	\$158,399.97	\$177,213.05	\$18,813.09	11.88%	\$215,147.81	\$213,510.11	-\$1,637.70	-0.76%	\$373,547.78	\$390,723.17	\$17,175.39	4.60%	
0													
2018													
First 3 therms				\$39.51								\$39.51	
Next 997 therms				\$0.391500								\$0.440400	
Over 1,000 therms				\$0.287900								\$0.323800	
Billing & Payment Processing				\$1.200000								\$1.420000	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000								\$0.000000	
Incremental State Assessment Surcharge				\$0.000000								\$0.000000	
System Benefits Charge				\$0.005400								\$0.000000	
Energy Efficiency Surcharge				\$0.008900								\$0.000000	
Monthly Cost of Gas				\$0.404400								(\$0.003)	
Merchant Function Charge				\$0.015044								\$0.000000	
GRT on Delivery				4.548000%								4.548000%	
GRT on Supply				2.407000%								\$0.000000	
MTA on Delivery				0.176000%								\$0.000000	
MTA on Supply				0.176000%								\$0.000000	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4A - High Load Factor Service

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$252.09	\$252.31	\$0.22	0.09%	\$0.00	\$0.00	\$0.00	0.00%	\$252.09	\$252.31	\$0.22	0.09%
10	\$252.23	\$252.45	\$0.22	0.09%	\$3.26	\$3.11	-\$0.14	-4.38%	\$255.49	\$255.56	\$0.08	0.03%
50	\$262.38	\$264.09	\$1.71	0.65%	\$16.29	\$15.57	-\$0.71	-4.38%	\$278.67	\$279.66	\$0.99	0.36%
100	\$275.07	\$278.63	\$3.56	1.29%	\$32.57	\$31.15	-\$1.43	-4.38%	\$307.65	\$309.78	\$2.14	0.69%
200	\$300.45	\$307.72	\$7.27	2.42%	\$65.15	\$62.30	-\$2.85	-4.38%	\$365.60	\$370.02	\$4.42	1.21%
300	\$325.83	\$336.81	\$10.98	3.37%	\$97.72	\$93.45	-\$4.28	-4.38%	\$423.55	\$430.26	\$6.71	1.58%
400	\$351.21	\$365.91	\$14.70	4.18%	\$130.30	\$124.60	-\$5.70	-4.38%	\$481.51	\$490.50	\$8.99	1.87%
500	\$376.59	\$395.00	\$18.41	4.89%	\$162.87	\$155.75	-\$7.13	-4.38%	\$539.46	\$550.74	\$11.28	2.09%
1,000	\$503.49	\$540.45	\$36.96	7.34%	\$325.75	\$311.49	-\$14.25	-4.38%	\$829.24	\$851.95	\$22.71	2.74%
5,000	\$1,456.84	\$1,632.67	\$175.84	12.07%	\$1,628.74	\$1,557.47	-\$71.27	-4.38%	\$3,085.58	\$3,190.15	\$104.57	3.39%
10,000	\$2,648.52	\$2,997.95	\$349.43	13.19%	\$3,257.49	\$3,114.95	-\$142.54	-4.38%	\$5,906.01	\$6,112.89	\$206.89	3.50%
15,000	\$3,840.20	\$4,363.22	\$523.01	13.62%	\$4,886.23	\$4,672.42	-\$213.81	-4.38%	\$8,726.44	\$9,035.64	\$309.21	3.54%
20,000	\$5,031.89	\$5,728.49	\$696.60	13.84%	\$6,514.98	\$6,229.90	-\$285.08	-4.38%	\$11,546.86	\$11,958.39	\$411.53	3.56%
25,000	\$6,223.57	\$7,093.76	\$870.19	13.98%	\$8,143.72	\$7,787.37	-\$356.35	-4.38%	\$14,367.29	\$14,881.14	\$513.85	3.58%
30,000	\$7,415.25	\$8,459.04	\$1,043.78	14.08%	\$9,772.46	\$9,344.85	-\$427.62	-4.38%	\$17,187.72	\$17,803.89	\$616.17	3.58%
35,000	\$8,606.94	\$9,824.31	\$1,217.37	14.14%	\$11,401.21	\$10,902.32	-\$498.89	-4.38%	\$20,008.15	\$20,726.63	\$718.49	3.59%
40,000	\$9,798.62	\$11,189.58	\$1,390.96	14.20%	\$13,029.95	\$12,459.80	-\$570.16	-4.38%	\$22,828.57	\$23,649.38	\$820.81	3.60%
45,000	\$10,990.31	\$12,554.86	\$1,564.55	14.24%	\$14,658.70	\$14,017.27	-\$641.42	-4.38%	\$25,649.00	\$26,572.13	\$923.13	3.60%
Typical	\$12,181.99	\$13,920.13	\$1,738.14	14.27%	\$16,287.44	\$15,574.75	-\$712.69	-4.38%	\$28,469.43	\$29,494.88	\$1,025.45	3.60%
55,000	\$13,373.67	\$15,285.40	\$1,911.73	14.29%	\$17,916.18	\$17,132.22	-\$783.96	-4.38%	\$31,289.86	\$32,417.62	\$1,127.77	3.60%
60,000	\$14,565.36	\$16,650.68	\$2,085.32	14.32%	\$19,544.93	\$18,689.69	-\$855.23	-4.38%	\$34,110.28	\$35,340.37	\$1,230.09	3.61%
65,000	\$15,757.04	\$18,015.95	\$2,258.91	14.34%	\$21,173.67	\$20,247.17	-\$926.50	-4.38%	\$36,930.71	\$38,263.12	\$1,332.41	3.61%
70,000	\$16,948.72	\$19,381.22	\$2,432.50	14.35%	\$22,802.42	\$21,804.64	-\$997.77	-4.38%	\$39,751.14	\$41,185.87	\$1,434.73	3.61%
75,000	\$18,140.41	\$20,746.50	\$2,606.09	14.37%	\$24,431.16	\$23,362.12	-\$1,069.04	-4.38%	\$42,571.57	\$44,108.61	\$1,537.05	3.61%
80,000	\$19,332.09	\$22,111.77	\$2,779.68	14.38%	\$26,059.90	\$24,919.59	-\$1,140.31	-4.38%	\$45,391.99	\$47,031.36	\$1,639.37	3.61%
85,000	\$20,523.78	\$23,477.04	\$2,953.27	14.39%	\$27,688.65	\$26,477.07	-\$1,211.58	-4.38%	\$48,212.42	\$49,954.11	\$1,741.69	3.61%
90,000	\$21,715.46	\$24,842.31	\$3,126.86	14.40%	\$29,317.39	\$28,034.54	-\$1,282.85	-4.38%	\$51,032.85	\$52,876.86	\$1,844.01	3.61%
95,000	\$22,907.14	\$26,207.59	\$3,300.45	14.41%	\$30,946.14	\$29,592.02	-\$1,354.12	-4.38%	\$53,853.28	\$55,799.60	\$1,946.33	3.61%
100,000	\$24,098.83	\$27,572.86	\$3,474.03	14.42%	\$32,574.88	\$31,149.49	-\$1,425.39	-4.38%	\$56,673.71	\$58,722.35	\$2,048.65	3.61%
105,000	\$25,290.51	\$28,938.13	\$3,647.62	14.42%	\$34,203.62	\$32,706.97	-\$1,496.66	-4.38%	\$59,494.13	\$61,645.10	\$2,150.97	3.62%
110,000	\$26,482.19	\$30,303.41	\$3,821.21	14.43%	\$35,832.37	\$34,264.44	-\$1,567.93	-4.38%	\$62,314.56	\$64,567.85	\$2,253.29	3.62%
115,000	\$27,673.88	\$31,668.68	\$3,994.80	14.44%	\$37,461.11	\$35,821.92	-\$1,639.20	-4.38%	\$65,134.99	\$67,490.60	\$2,355.61	3.62%
2018					2019						Difference	Change
First 10 therms				\$250.00							\$0.00	0.00%
Next 990 therms				\$0.238608							\$0.037	15.50%
Over 1,000 therms				\$0.223200							\$0.035	15.50%
Billing & Payment Processing				\$1.200000							\$0.220	18.33%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000							\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000							\$0.000	0.00%
System Benefits Charge				\$0.005400							\$0.000	0.00%
Energy Efficiency Surcharge				\$0.008900							\$0.000	0.00%
Monthly Cost of Gas				\$0.297553							(\$0.014)	-4.59%
Merchant Function Charge				\$0.013062							\$0.000	0.49%
GRT on Delivery				0.176000%							\$0.000	0.00%
GRT on Supply				2.407000%							\$0.000	0.00%
MTA on Delivery				0.176000%							\$0.000	0.00%
MTA on Supply				2.407000%							\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4A-CNG - Compressed Natural Gas Service

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$257.70	\$257.92	\$0.23	0.09%	\$0.00	\$0.00	\$0.00	0.00%	\$257.70	\$257.92	\$0.23	0.09%
10	\$257.70	\$257.92	\$0.23	0.09%	\$3.14	\$3.18	\$0.04	1.22%	\$260.84	\$261.10	\$0.26	0.10%
50	\$267.49	\$269.23	\$1.74	0.65%	\$15.70	\$15.89	\$0.19	1.22%	\$283.19	\$285.13	\$1.93	0.68%
100	\$279.73	\$283.37	\$3.64	1.30%	\$31.40	\$31.78	\$0.38	1.22%	\$311.13	\$315.15	\$4.02	1.29%
500	\$377.64	\$396.46	\$18.82	4.98%	\$157.00	\$158.92	\$1.91	1.22%	\$534.65	\$555.38	\$20.73	3.88%
1,000	\$500.03	\$537.82	\$37.79	7.56%	\$314.01	\$317.84	\$3.83	1.22%	\$814.04	\$855.66	\$41.62	5.11%
5,000	\$1,415.93	\$1,595.68	\$179.75	12.69%	\$1,570.04	\$1,589.19	\$19.14	1.22%	\$2,985.98	\$3,184.87	\$198.90	6.66%
10,000	\$2,560.81	\$2,918.01	\$357.21	13.95%	\$3,140.09	\$3,178.38	\$38.29	1.22%	\$5,700.89	\$6,096.39	\$395.49	6.94%
15,000	\$3,705.68	\$4,240.34	\$534.66	14.43%	\$4,710.13	\$4,767.57	\$57.43	1.22%	\$8,415.81	\$9,007.91	\$592.09	7.04%
20,000	\$4,850.55	\$5,562.67	\$712.12	14.68%	\$6,280.18	\$6,356.75	\$76.57	1.22%	\$11,130.73	\$11,919.42	\$788.69	7.09%
25,000	\$5,995.43	\$6,885.00	\$889.57	14.84%	\$7,850.22	\$7,945.94	\$95.72	1.22%	\$13,845.65	\$14,830.94	\$985.29	7.12%
30,000	\$7,140.30	\$8,207.33	\$1,067.03	14.94%	\$9,420.27	\$9,535.13	\$114.86	1.22%	\$16,560.57	\$17,742.46	\$1,181.89	7.14%
35,000	\$8,285.17	\$9,529.66	\$1,244.48	15.02%	\$10,990.31	\$11,124.32	\$134.01	1.22%	\$19,275.49	\$20,653.98	\$1,378.49	7.15%
40,000	\$9,430.05	\$10,851.99	\$1,421.94	15.08%	\$12,560.36	\$12,713.51	\$153.15	1.22%	\$21,990.41	\$23,565.49	\$1,575.09	7.16%
45,000	\$10,574.92	\$12,174.31	\$1,599.39	15.12%	\$14,130.40	\$14,302.70	\$172.29	1.22%	\$24,705.32	\$26,477.01	\$1,771.69	7.17%
50,000	\$11,719.79	\$13,496.64	\$1,776.85	15.16%	\$15,700.45	\$15,891.89	\$191.44	1.22%	\$27,420.24	\$29,388.53	\$1,968.29	7.18%
55,000	\$12,864.67	\$14,818.97	\$1,954.31	15.19%	\$17,270.49	\$17,481.07	\$210.58	1.22%	\$30,135.16	\$32,300.05	\$2,164.89	7.18%
Typical	\$14,009.54	\$16,141.30	\$2,131.76	15.22%	\$18,840.54	\$19,070.26	\$229.72	1.22%	\$32,850.08	\$35,211.56	\$2,361.48	7.19%
65,000	\$15,154.41	\$17,463.63	\$2,309.22	15.24%	\$20,410.58	\$20,659.45	\$248.87	1.22%	\$35,565.00	\$38,123.08	\$2,558.08	7.19%
70,000	\$16,299.29	\$18,785.96	\$2,486.67	15.26%	\$21,980.63	\$22,248.64	\$268.01	1.22%	\$38,279.92	\$41,034.60	\$2,754.68	7.20%
75,000	\$17,444.16	\$20,108.29	\$2,664.13	15.27%	\$23,550.67	\$23,837.83	\$287.15	1.22%	\$40,994.84	\$43,946.12	\$2,951.28	7.20%
80,000	\$18,589.03	\$21,430.62	\$2,841.58	15.29%	\$25,120.72	\$25,427.02	\$306.30	1.22%	\$43,709.75	\$46,857.63	\$3,147.88	7.20%
85,000	\$19,733.91	\$22,752.95	\$3,019.04	15.30%	\$26,690.76	\$27,016.21	\$325.44	1.22%	\$46,424.67	\$49,769.15	\$3,344.48	7.20%
90,000	\$20,878.78	\$24,075.28	\$3,196.49	15.31%	\$28,260.81	\$28,605.39	\$344.59	1.22%	\$49,139.59	\$52,680.67	\$3,541.08	7.21%
95,000	\$22,023.66	\$25,397.60	\$3,373.95	15.32%	\$29,830.85	\$30,194.58	\$363.73	1.22%	\$51,854.51	\$55,592.19	\$3,737.68	7.21%
100,000	\$23,168.53	\$26,719.93	\$3,551.40	15.33%	\$31,400.90	\$31,783.77	\$382.87	1.22%	\$54,569.43	\$58,503.71	\$3,934.28	7.21%
105,000	\$24,313.40	\$28,042.26	\$3,728.86	15.34%	\$32,970.94	\$33,372.96	\$402.02	1.22%	\$57,284.35	\$61,415.22	\$4,130.88	7.21%
110,000	\$25,458.28	\$29,364.59	\$3,906.32	15.34%	\$34,540.99	\$34,962.15	\$421.16	1.22%	\$59,999.26	\$64,326.74	\$4,327.48	7.21%
115,000	\$26,603.15	\$30,686.92	\$4,083.77	15.35%	\$36,111.03	\$36,551.34	\$440.30	1.22%	\$62,714.18	\$67,238.26	\$4,524.07	7.21%
120,000	\$27,748.02	\$32,009.25	\$4,261.23	15.36%	\$37,681.08	\$38,140.53	\$459.45	1.22%	\$65,429.10	\$70,149.78	\$4,720.67	7.21%
125,000	\$28,892.90	\$33,331.58	\$4,438.68	15.36%	\$39,251.12	\$39,729.71	\$478.59	1.22%	\$68,144.02	\$73,061.29	\$4,917.27	7.22%
130,000	\$30,037.77	\$34,653.91	\$4,616.14	15.37%	\$40,821.17	\$41,318.90	\$497.73	1.22%	\$70,858.94	\$75,972.81	\$5,113.87	7.22%
2018					2019						Difference	Change
First 10 therms				\$250.00				\$250.00			\$0.00	0.00%
Next 990 therms				\$0.238608				\$0.275592			\$0.037	15.50%
Over 1,000 therms				\$0.223200				\$0.257796			\$0.035	15.50%
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.000000				\$0.000000			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Monthly Cost of Gas				\$0.293110				\$0.296462			\$0.003	1.14%
Merchant Function Charge				\$0.012980				\$0.013360			\$0.000	2.93%
GRT on Delivery				2.407000%				2.407000%			\$0.000	0.00%
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 4B - Year-Round Air Conditioning Service (Non -Residential)

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$134.59	\$134.82	\$0.23	0.17%	\$0.00	\$0.00	\$0.00	0.00%	\$134.59	\$134.82	\$0.23	0.17%	
10	\$144.53	\$146.17	\$1.65	1.14%	\$3.51	\$3.53	\$0.02	0.48%	\$148.04	\$149.70	\$1.66	1.12%	
50	\$188.61	\$196.57	\$7.97	4.22%	\$17.56	\$17.65	\$0.08	0.48%	\$206.17	\$214.22	\$8.05	3.91%	
100	\$243.71	\$259.57	\$15.87	6.51%	\$35.13	\$35.30	\$0.17	0.48%	\$278.83	\$294.87	\$16.03	5.75%	
200	\$353.91	\$385.57	\$31.66	8.95%	\$70.25	\$70.59	\$0.34	0.48%	\$424.16	\$456.16	\$32.00	7.54%	
300	\$392.16	\$429.17	\$37.01	9.44%	\$105.38	\$105.89	\$0.50	0.48%	\$497.54	\$535.06	\$37.51	7.54%	
400	\$430.42	\$472.77	\$42.35	9.84%	\$140.51	\$141.18	\$0.67	0.48%	\$570.92	\$613.95	\$43.03	7.54%	
500	\$468.67	\$516.37	\$47.70	10.18%	\$175.63	\$176.48	\$0.84	0.48%	\$644.30	\$692.84	\$48.54	7.53%	
750	\$564.31	\$625.37	\$61.06	10.82%	\$263.45	\$264.71	\$1.26	0.48%	\$827.76	\$890.08	\$62.32	7.53%	
1,000	\$659.94	\$734.37	\$74.42	11.28%	\$351.27	\$352.95	\$1.68	0.48%	\$1,011.21	\$1,087.32	\$76.11	7.53%	
1,250	\$755.58	\$843.37	\$87.78	11.62%	\$439.09	\$441.19	\$2.10	0.48%	\$1,194.67	\$1,284.56	\$89.89	7.52%	
1,500	\$851.22	\$952.36	\$101.15	11.88%	\$526.90	\$529.43	\$2.52	0.48%	\$1,378.12	\$1,481.79	\$103.67	7.52%	
1,750	\$946.85	\$1,061.36	\$114.51	12.09%	\$614.72	\$617.67	\$2.94	0.48%	\$1,561.58	\$1,679.03	\$117.45	7.52%	
2,000	\$1,042.49	\$1,170.36	\$127.87	12.27%	\$702.54	\$705.90	\$3.37	0.48%	\$1,745.03	\$1,876.27	\$131.24	7.52%	
2,250	\$1,138.13	\$1,279.36	\$141.23	12.41%	\$790.36	\$794.14	\$3.79	0.48%	\$1,928.49	\$2,073.50	\$145.02	7.52%	
2,500	\$1,233.77	\$1,388.36	\$154.59	12.53%	\$878.17	\$882.38	\$4.21	0.48%	\$2,111.94	\$2,270.74	\$158.80	7.52%	
2,750	\$1,329.40	\$1,497.36	\$167.96	12.63%	\$965.99	\$970.62	\$4.63	0.48%	\$2,295.39	\$2,467.98	\$172.58	7.52%	
Typical	3,000	\$1,425.04	\$1,606.36	\$181.32	12.72%	\$1,053.81	\$1,058.86	\$5.05	0.48%	\$2,478.85	\$2,665.21	\$186.37	7.52%
	3,250	\$1,520.68	\$1,715.36	\$194.68	12.80%	\$1,141.63	\$1,147.09	\$5.47	0.48%	\$2,662.30	\$2,862.45	\$200.15	7.52%
	3,500	\$1,616.31	\$1,824.36	\$208.04	12.87%	\$1,229.44	\$1,235.33	\$5.89	0.48%	\$2,845.76	\$3,059.69	\$213.93	7.52%
	3,750	\$1,711.95	\$1,933.36	\$221.40	12.93%	\$1,317.26	\$1,323.57	\$6.31	0.48%	\$3,029.21	\$3,256.93	\$227.71	7.52%
	4,000	\$1,807.59	\$2,042.35	\$234.77	12.99%	\$1,405.08	\$1,411.81	\$6.73	0.48%	\$3,212.67	\$3,454.16	\$241.50	7.52%
	4,250	\$1,903.22	\$2,151.35	\$248.13	13.04%	\$1,492.90	\$1,500.05	\$7.15	0.48%	\$3,396.12	\$3,651.40	\$255.28	7.52%
	4,500	\$1,998.86	\$2,260.35	\$261.49	13.08%	\$1,580.71	\$1,588.28	\$7.57	0.48%	\$3,579.57	\$3,848.64	\$269.06	7.52%
	4,750	\$2,094.50	\$2,369.35	\$274.85	13.12%	\$1,668.53	\$1,676.52	\$7.99	0.48%	\$3,763.03	\$4,045.87	\$282.84	7.52%
	5,000	\$2,190.14	\$2,478.35	\$288.21	13.16%	\$1,756.35	\$1,764.76	\$8.41	0.48%	\$3,946.48	\$4,243.11	\$296.63	7.52%
	5,250	\$2,285.77	\$2,587.35	\$301.58	13.19%	\$1,844.17	\$1,853.00	\$8.83	0.48%	\$4,129.94	\$4,440.35	\$310.41	7.52%
	5,500	\$2,381.41	\$2,696.35	\$314.94	13.22%	\$1,931.98	\$1,941.24	\$9.25	0.48%	\$4,313.39	\$4,637.58	\$324.19	7.52%
	5,750	\$2,477.05	\$2,805.35	\$328.30	13.25%	\$2,019.80	\$2,029.47	\$9.67	0.48%	\$4,496.85	\$4,834.82	\$337.98	7.52%
	6,000	\$2,572.68	\$2,914.35	\$341.66	13.28%	\$2,107.62	\$2,117.71	\$10.10	0.48%	\$4,680.30	\$5,032.06	\$351.76	7.52%
	6,250	\$2,668.32	\$3,023.34	\$355.02	13.31%	\$2,195.43	\$2,205.95	\$10.52	0.48%	\$4,863.75	\$5,229.30	\$365.54	7.52%
	6,500	\$2,763.96	\$3,132.34	\$368.39	13.33%	\$2,283.25	\$2,294.19	\$10.94	0.48%	\$5,047.21	\$5,426.53	\$379.32	7.52%
2018					2019						Difference	Change	
First 1 therms				\$130.00				\$130.00			\$0.00	0.00%	
Next 199 therms				\$1.059900				\$1.213900			\$0.154	14.53%	
Over 200 therms				\$0.358600				\$0.410700			\$0.052	14.53%	
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.008900				\$0.008900			\$0.000	0.00%	
Monthly Cost of Gas				\$0.328769				\$0.330067			\$0.001	0.39%	
Merchant Function Charge				\$0.013641				\$0.013983			\$0.000	2.51%	
GRT on Delivery				2.407000%				2.407000%			\$0.000	0.00%	
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%	
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%	
MTA on Supply				0.176000%				0.176000%			\$0.000	0.00%	

The Brooklyn Union Gas Company d/b/a National Grid New York (KEDNY)
Monthly Bill Comparison Table
SC 7 - Seasonal Off-Peak Service

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
-	\$41.76	\$41.99	\$0.23	0.54%	\$0.00	\$0.00	\$0.00	0.00%	\$41.76	\$41.99	\$0.23	0.54%
3	\$41.78	\$42.01	\$0.23	0.54%	\$0.89	\$0.90	\$0.02	1.80%	\$42.67	\$42.91	\$0.24	0.57%
10	\$43.10	\$43.33	\$0.23	0.52%	\$2.95	\$3.00	\$0.05	1.80%	\$46.05	\$46.33	\$0.28	0.61%
20	\$44.99	\$45.22	\$0.23	0.50%	\$5.90	\$6.01	\$0.11	1.80%	\$50.89	\$51.22	\$0.33	0.65%
50	\$50.66	\$50.88	\$0.23	0.45%	\$14.76	\$15.02	\$0.27	1.80%	\$65.41	\$65.90	\$0.49	0.75%
100	\$60.10	\$60.33	\$0.23	0.38%	\$29.51	\$30.04	\$0.53	1.80%	\$89.61	\$90.37	\$0.76	0.84%
150	\$69.54	\$69.77	\$0.23	0.32%	\$44.27	\$45.06	\$0.80	1.80%	\$113.81	\$114.83	\$1.02	0.90%
200	\$78.99	\$79.21	\$0.23	0.29%	\$59.02	\$60.09	\$1.06	1.80%	\$138.01	\$139.30	\$1.29	0.93%
250	\$88.43	\$88.65	\$0.23	0.26%	\$73.78	\$75.11	\$1.33	1.80%	\$162.21	\$163.76	\$1.55	0.96%
300	\$97.87	\$98.10	\$0.23	0.23%	\$88.53	\$90.13	\$1.59	1.80%	\$186.41	\$188.23	\$1.82	0.98%
350	\$107.32	\$107.54	\$0.23	0.21%	\$103.29	\$105.15	\$1.86	1.80%	\$210.61	\$212.69	\$2.09	0.99%
400	\$116.76	\$116.98	\$0.23	0.19%	\$118.05	\$120.17	\$2.13	1.80%	\$234.80	\$237.16	\$2.35	1.00%
450	\$126.20	\$126.43	\$0.23	0.18%	\$132.80	\$135.19	\$2.39	1.80%	\$259.00	\$261.62	\$2.62	1.01%
500	\$135.64	\$135.87	\$0.23	0.17%	\$147.56	\$150.21	\$2.66	1.80%	\$283.20	\$286.08	\$2.88	1.02%
550	\$145.09	\$145.31	\$0.23	0.16%	\$162.31	\$165.24	\$2.92	1.80%	\$307.40	\$310.55	\$3.15	1.02%
Typical	\$154.53	\$154.76	\$0.23	0.15%	\$177.07	\$180.26	\$3.19	1.80%	\$331.60	\$335.01	\$3.41	1.03%
650	\$163.97	\$164.20	\$0.23	0.14%	\$191.83	\$195.28	\$3.45	1.80%	\$355.80	\$359.48	\$3.68	1.03%
700	\$173.42	\$173.64	\$0.23	0.13%	\$206.58	\$210.30	\$3.72	1.80%	\$380.00	\$383.94	\$3.94	1.04%
750	\$182.86	\$183.09	\$0.23	0.12%	\$221.34	\$225.32	\$3.98	1.80%	\$404.20	\$408.41	\$4.21	1.04%
800	\$192.30	\$192.53	\$0.23	0.12%	\$236.09	\$240.34	\$4.25	1.80%	\$428.40	\$432.87	\$4.48	1.04%
850	\$201.75	\$201.97	\$0.23	0.11%	\$250.85	\$255.36	\$4.52	1.80%	\$452.60	\$457.34	\$4.74	1.05%
900	\$211.19	\$211.42	\$0.23	0.11%	\$265.60	\$270.39	\$4.78	1.80%	\$476.79	\$481.80	\$5.01	1.05%
950	\$220.63	\$220.86	\$0.23	0.10%	\$280.36	\$285.41	\$5.05	1.80%	\$500.99	\$506.27	\$5.27	1.05%
1,000	\$230.08	\$230.30	\$0.23	0.10%	\$295.12	\$300.43	\$5.31	1.80%	\$525.19	\$530.73	\$5.54	1.05%
1,050	\$239.52	\$239.75	\$0.23	0.09%	\$309.87	\$315.45	\$5.58	1.80%	\$549.39	\$555.20	\$5.80	1.06%
1,100	\$248.96	\$249.19	\$0.23	0.09%	\$324.63	\$330.47	\$5.84	1.80%	\$573.59	\$579.66	\$6.07	1.06%
1,150	\$258.41	\$258.63	\$0.23	0.09%	\$339.38	\$345.49	\$6.11	1.80%	\$597.79	\$604.12	\$6.34	1.06%
1,200	\$267.85	\$268.07	\$0.23	0.08%	\$354.14	\$360.51	\$6.38	1.80%	\$621.99	\$628.59	\$6.60	1.06%
1,250	\$277.29	\$277.52	\$0.23	0.08%	\$368.89	\$375.54	\$6.64	1.80%	\$646.19	\$653.05	\$6.87	1.06%
1,300	\$286.74	\$286.96	\$0.23	0.08%	\$383.65	\$390.56	\$6.91	1.80%	\$670.39	\$677.52	\$7.13	1.06%
1,350	\$296.18	\$296.40	\$0.23	0.08%	\$398.41	\$405.58	\$7.17	1.80%	\$694.58	\$701.98	\$7.40	1.07%
1,400	\$305.62	\$305.85	\$0.23	0.07%	\$413.16	\$420.60	\$7.44	1.80%	\$718.78	\$726.45	\$7.66	1.07%
2018					2019						Difference	Change
First 3 or Less				\$39.51				\$39.51			\$0.00	0.00%
Over 3 Therms per Therm				\$0.178700				\$0.178700			\$0.000	0.00%
Billing & Payment Processing				\$1.200000				\$1.420000			\$0.220	18.33%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.005400				\$0.005400			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Monthly Cost of Gas				\$0.275028				\$0.279801			\$0.005	1.74%
Merchant Function Charge				\$0.012645				\$0.013051			\$0.000	3.21%
GRT on Delivery				2.407000%				2.407000%			\$0.000	0.00%
GRT on Supply				2.407000%				2.407000%			\$0.000	0.00%
MTA on Delivery				0.176000%				0.176000%			\$0.000	0.00%
MTA on Supply				2.407000%				2.407000%			\$0.000	0.00%

The Brooklyn Union Gas Company d/b/a National Grid NY
Illustrative Example of TC/IT Pricing

Rate Year 1

All TC Commerical/Governmental Customers:

Proposed Customer Charge (Small):	\$ 300.00	per month
Proposed Customer Charge(Large):	\$ 375.00	per month
Volumetric Charge	\$ 0.2702	per therm
Billing Charge	\$ 0.98	per bill

Additional Charges for Sales Customers:

Demand Charge	\$ 0.0360	per therm
MFC Charge	\$ 0.0087	per therm

All TC Multi-Family Customers:

Proposed Customer Charge (Small):	\$ 300.00	per month
Proposed Customer Charge(Large):	\$ 375.00	per month
Volumetric Charge	\$ 0.2571	per therm
Billing Charge	\$ 0.98	per bill

Additional Charges for Sales Customers:

Demand Charge	\$ 0.0360	per therm
MFC Charge	\$ 0.0087	per therm

All IT Customers:

Proposed Customer Charge:	\$ 375.00	per month
Volumetric Charge	\$ 0.2702	per therm
Billing Charge	\$ 0.98	per bill

Additional Charges for Sales Customers:

MFC Charge	\$ 0.0087	per therm
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Rate Year 2

All TC Commerical/Governmental Customers:

Proposed Customer Charge (Small):	\$ 300.00	per month
Proposed Customer Charge(Large):	\$ 375.00	per month
Volumetric Charge	\$ 0.3229	per therm
Billing Charge	\$ 1.20	per bill

Additional Charges for Sales Customers:

Demand Charge	\$ 0.0360	per therm
MFC Charge	\$ 0.0091	per therm

All TC Multi-Family Customers:

Proposed Customer Charge (Small):	\$ 300.00	per month
Proposed Customer Charge(Large):	\$ 375.00	per month
Volumetric Charge	\$ 0.2879	per therm
Billing Charge	\$ 1.20	per bill

Additional Charges for Sales Customers:

Demand Charge	\$ 0.0360	per therm
MFC Charge	\$ 0.0091	per therm

All IT Customers:

Proposed Customer Charge:	\$ 375.00	per month
Volumetric Charge	\$ 0.3229	per therm
Billing Charge	\$ 1.20	per bill

Additional Charges for Sales Customers:

MFC Charge	\$ 0.0091	per therm
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Rate Year 3

All TC Commerical/Governmental Customers:

Proposed Customer Charge (Small):	\$ 300.00	per month
Proposed Customer Charge(Large):	\$ 375.00	per month
Volumetric Charge	\$ 0.3837	per therm
Billing Charge	\$ 1.42	per bill

Additional Charges for Sales Customers:

Demand Charge	\$ 0.0360	per therm
MFC Charge	\$ 0.0094	per therm

All TC Multi-Family Customers:

Proposed Customer Charge (Small):	\$ 300.00	per month
Proposed Customer Charge(Large):	\$ 375.00	per month
Volumetric Charge	\$ 0.3238	per therm
Billing Charge	\$ 1.42	per bill

Additional Charges for Sales Customers:

Demand Charge	\$ 0.0360	per therm
MFC Charge	\$ 0.0094	per therm

All IT Customers:

Proposed Customer Charge:	\$ 375.00	per month
Volumetric Charge	\$ 0.3837	per therm
Billing Charge	\$ 1.42	per bill

Additional Charges for Sales Customers:

MFC Charge	\$ 0.0094	per therm
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Note: The demand charge for TC Sales Customers will be updated annually; held flat for illustrative purposes
The MFC charge is illustrative; the MFC will be a different per therm rate each month and will be shown on the Statement of TC/IT Rates
The MFC charge consists of the following components: Gas Procurement and Commodity-Related Sales Promotion Expenses;
Commodity-Related Credit and Collection Expenses; Commodity Related Uncollectible Expense Charge; and
Return Requirement on Gas Purchase Working Capital Charge

The Brooklyn Union Gas Company d/b/a National Grid, NY
Merchant Function Charge
Illustrative Example - Calculation of Stub Period Reconciliation

1. Gas Procurement and Commodity-Related Sales Promotion Expenses

	<u>\$</u>	<u>Billed dt</u>
i) Annual Expense Target		
Case 06-G-1185 (Sept 1, 2016 to Aug 31, 2017)	\$ 1,314,887	84,808,818
Rate Year 1 (Jan 1, 2017 to Dec 31, 2017)	\$ 1,262,000	108,181,961
ii) Pro-Rated GAC Year: Sept 1, 2016 to Aug 31, 2017		
Case 06-G-1185 (Sept 1, 2016 to Dec 31, 2016)	\$ 364,024	23,479,134
Rate Year 1 (Jan 1, 2017 to Aug 31, 2017)	\$ 853,342	<u>73,150,742</u>
Pro-Rated GAC Year Target	\$ 1,217,366	96,629,876
Unit Rate for Sept 1, 2016 to Aug 31, 2017		\$ 0.01260

2. Commodity Related Credit and Collection Expense Charge

	<u>\$</u>	<u>Billed dt</u>
i) Annual Expense Target		
Case 06-G-1185 (Sept 1, 2016 to Aug 31, 2017)	\$ 13,360,770	145,783,288
Rate Year 1 (Jan 1, 2017 to Dec 31, 2017)	\$ 4,842,000	173,329,267

Allocation between Sales Customers & Transportation Customer's ESCO's	Annual Sales-Dt	%	Expenses
SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC Sales & Interruptible (Jan - Dec 2017)	108,181,961		62% \$ 3,022,092
ESCOs (SC 17) & TC Transportation (Jan - Dec 2017)	<u>65,147,305</u>		<u>38% \$ 1,819,908</u>
Total	173,329,267		100% \$ 4,842,000

ii) Pro-Rated GAC Year: Sept 1, 2016 to Aug 31, 2017		
Case 06-G-1185 (Sept 1, 2016 to Dec 31, 2016)	\$ 3,784,748	41,296,502
Rate Year 1 (Jan 1, 2017 to Aug 31, 2017)	\$ 3,296,395	<u>118,001,183</u>
Pro-Rated GAC Year Target	\$ 7,081,143.44	159,297,686

Unit Rate for Sept 1, 2016 to Aug 31, 2017 \$ 0.04445

Allocation between Sales Customers & Transportation Customer's ESCO's	Annual Sales-Dt	%	Expenses
SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC Sales & Interruptible	108,181,961		62% \$ 4,419,634
ESCOs (SC 17) & TC Transportation	<u>65,147,305</u>		<u>38% \$ 2,661,509</u>
Total	173,329,267		100% \$ 7,081,143

The Brooklyn Union Gas Company d/b/a National Grid, NY
Merchant Function Charge
Illustrative Example - Calculation of Stub Period Reconciliation

3. Return Requirement on Gas Storage Inventory Charge

I. Set Return Requirement on Gas Storage Inventory Charge for: Sep 1, 2016 - Aug 31, 2017

GAC Factors (SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21)

	Estimated Storage Inventory Ending Balance (Less Capacity Release) (dt)	Estimated Wtd Avg Storage Inventory Cost (\$/dt)	Estimated Storage Inventory Costs (\$)
9/30/2016	42,317,184	\$ 1.76	\$ 74,561,747
10/31/2016	42,393,432	\$ 1.76	\$ 74,663,931
11/30/2016	40,425,529	\$ 1.76	\$ 71,330,385
12/31/2016	<u>32,962,953</u>	\$ 1.77	<u>\$ 58,342,106</u>
Total	158,099,099		\$ 278,898,169
a) Estimated Monthly Average Storage Inventory Costs (Sept 1, 2016 to Dec 31, 2016)			\$ 69,724,542
b) Pre-Tax Weighted Average Cost of Capital Case 06-G-1185			10.07%
c) Estimated Return Requirement on Gas Storage Inventory (3a x 3b)			\$ 7,021,261
d) Forecasted SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21 & 17 (Dt)			41,296,502

II. Set Return Requirement on Gas Storage Inventory Charge for: Jan 1, 2017 - August 31, 2017

GAC Factors (SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21)

	Estimated Storage Inventory Ending Balance (Less Capacity Release) (dt)	Estimated Wtd Avg Storage Inventory Cost (\$/dt)	Estimated Storage Inventory Costs (\$)
1/31/2017	21,606,730	\$ 1.78	\$ 38,563,056
2/28/2017	12,636,441	\$ 1.82	\$ 22,944,773
3/31/2017	6,795,981	\$ 1.85	\$ 12,553,259
4/30/2017	9,445,144	\$ 2.00	\$ 18,894,499
5/31/2017	16,407,655	\$ 2.07	\$ 33,911,234
6/30/2017	22,968,330	\$ 2.09	\$ 48,038,802
7/31/2017	26,934,532	\$ 2.11	\$ 56,704,113
8/31/2017	<u>32,663,162</u>	\$ 2.11	<u>\$ 69,037,308</u>
Total	149,457,976		\$ 300,647,043
a) Estimated Monthly Average Storage Inventory Costs (8 Months)			\$ 37,580,880
b) Pre-Tax Weighted Average Cost of Capital Rate Year (Jan 1, 2017 to Dec 31, 2017) /1			9.08%
c) Estimated Return Requirement on Gas Storage Inventory (1a x 1b)			\$ 3,412,344
d) Forecasted SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21 & 17 (Dt)			103,448,775

Allocate Return Requirement on Gas Storage Inventory to Firm Sales & Firm Transportation Customers

	Firm Sales	Firm Transportation	Total
a) Total Storage Capacity (dt)	26,138,622	17,951,095	44,089,717
b) Less Storage Capacity Release (dt)	-	2,051,066	2,051,066
c) Net Reliance on Storage Inventory	26,138,622	15,900,029	42,038,651
d) Storage Inventory Allocators			
e) Allocated Return Requirement on Gas Storage Inventory	\$ 2,121,713	\$ 1,290,631	\$ 3,412,344
f) Forecasted Firm Sales and Firm Transport Vols 1/1/17 - 8/31/17 (dt)	61,329,684	42,119,091	103,448,775

III. Pro-Rated GAC Year: Sept 1, 2016 to Aug 31, 2017

Case 06-G-1185 (Sept 1, 2016 to Dec 31, 2016)	\$ 7,021,261	41,296,502
Rate Year I (Jan 1, 2017 to Aug 31, 2017)	\$ 3,412,344	103,448,775
Pro-Rated GAC Year Target	\$ 10,433,605	144,745,277

Unit Rate for Sept 1, 2016 to Aug 31, 2017 \$ 0.07208

Notes:

1 Appendix 1, Schedule 1

The Brooklyn Union Gas Company d/b/a National Grid, NY
Total Annual Merchant Function Charges
Annual Expense Target in GAC Year
Gas Procurement and Commodity-Related Sales Promotion Expenses

Calendar Year : 2017				Calendar Year : 2018				Calendar Year : 2019				Calendar Year : 2020			
Total : \$ 1,262,000				Total ¹ : \$ 1,288,502				Total ¹ : \$ 1,315,561				Total ¹ : \$ 1,343,187			
Billed Sales				Billed Sales				Billed Sales				Billed Sales			
SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC and IT Sales				SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC and IT Sales				SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC and IT Sales				SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC and IT Sales			
Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$	
Jan-2017	18,255,554	17%	\$ 212,961	Jan-2018	18,411,075	17%	\$ 218,318	Jan-2019	18,519,108	17%	\$ 223,111	Jan-2020	18,117,638	18%	\$ 237,491
Feb-2017	16,604,284	15%	\$ 193,698	Feb-2018	16,717,349	15%	\$ 198,233	Feb-2019	16,842,431	15%	\$ 202,911	Feb-2020	17,110,569	17%	\$ 224,290
Mar-2017	13,381,007	12%	\$ 156,097	Mar-2018	13,473,190	12%	\$ 159,764	Mar-2019	13,562,492	12%	\$ 163,395	Mar-2020	12,361,673	12%	\$ 162,040
Apr-2017	9,794,212	9%	\$ 114,255	Apr-2018	9,851,610	9%	\$ 116,820	Apr-2019	9,902,969	9%	\$ 119,307	Apr-2020	11,676,460	11%	\$ 153,058
May-2017	5,307,399	5%	\$ 61,914	May-2018	5,336,103	5%	\$ 63,275	May-2019	5,338,185	5%	\$ 64,312	May-2020	5,570,094	5%	\$ 73,014
Jun-2017	3,542,584	3%	\$ 41,326	Jun-2018	3,558,016	3%	\$ 42,191	Jun-2019	3,540,592	3%	\$ 42,656	Jun-2020	3,651,103	4%	\$ 47,860
Jul-2017	3,127,271	3%	\$ 36,481	Jul-2018	3,097,814	3%	\$ 36,734	Jul-2019	3,088,725	3%	\$ 37,212	Jul-2020	2,735,221	3%	\$ 35,854
Aug-2017	3,138,431	3%	\$ 36,611	Aug-2018	3,108,563	3%	\$ 36,861	Aug-2019	3,100,334	3%	\$ 37,352	Aug-2020	2,747,228	3%	\$ 36,011
Sep-2017	3,434,807	3%	\$ 40,069	Sep-2018	3,408,179	3%	\$ 40,414	Sep-2019	3,402,620	3%	\$ 40,993	Sep-2020	2,728,064	3%	\$ 35,760
Oct-2017	6,272,955	6%	\$ 73,177	Oct-2018	6,266,797	6%	\$ 74,311	Oct-2019	6,294,077	6%	\$ 75,828	Oct-2020	4,594,480	4%	\$ 60,226
Nov-2017	10,175,332	9%	\$ 118,701	Nov-2018	10,204,274	9%	\$ 121,002	Nov-2019	10,268,028	9%	\$ 123,705	Nov-2020	8,152,086	8%	\$ 106,860
Dec-2017	15,148,126	14%	\$ 176,711	Dec-2018	15,228,515	14%	\$ 180,579	Dec-2019	15,337,402	14%	\$ 184,779	Dec-2020	13,024,162	13%	\$ 170,724
Total	108,181,961	100%	\$ 1,262,000	Total	108,661,485	100%	\$ 1,288,502	Total	109,196,964	100%	\$ 1,315,561	Total	102,468,777	100%	\$ 1,343,187
GAC Year				GAC Year				GAC Year				GAC Year			
Monthly Allocation \$				Monthly Allocation \$				Monthly Allocation \$				Monthly Allocation \$			
Sep-2017	\$ 40,069	Sep-2018	\$ 40,414	Sep-2019	\$ 40,993	Sep-2020	\$ 40,993								
Oct-2017	\$ 73,177	Oct-2018	\$ 74,311	Oct-2019	\$ 75,828	Oct-2020	\$ 75,828								
Nov-2017	\$ 118,701	Nov-2018	\$ 121,002	Nov-2019	\$ 123,705	Nov-2020	\$ 123,705								
Dec-2017	\$ 176,711	Dec-2018	\$ 180,579	Dec-2019	\$ 184,779	Dec-2020	\$ 184,779								
Jan-2018	\$ 218,318	Jan-2019	\$ 223,111	Jan-2020	\$ 237,491	Jan-2020	\$ 237,491								
Feb-2018	\$ 198,233	Feb-2019	\$ 202,911	Feb-2020	\$ 224,290	Feb-2020	\$ 224,290								
Mar-2018	\$ 159,764	Mar-2019	\$ 163,395	Mar-2020	\$ 162,040	Mar-2020	\$ 162,040								
Apr-2018	\$ 116,820	Apr-2019	\$ 119,307	Apr-2020	\$ 153,058	Apr-2020	\$ 153,058								
May-2018	\$ 63,275	May-2019	\$ 64,312	May-2020	\$ 73,014	May-2020	\$ 73,014								
Jun-2018	\$ 42,191	Jun-2019	\$ 42,656	Jun-2020	\$ 47,860	Jun-2020	\$ 47,860								
Jul-2018	\$ 36,734	Jul-2019	\$ 37,212	Jul-2020	\$ 35,854	Jul-2020	\$ 35,854								
Aug-2018	\$ 36,861	Aug-2019	\$ 37,352	Aug-2020	\$ 36,011	Aug-2020	\$ 36,011								
Total	\$ 1,280,854	Total	\$ 1,306,561	Total	\$ 1,394,923	Total	\$ 1,394,923								

Notes:
1 : Adjusted for Inflation Rate of 2.1% per Appendix 1, Schedule 1

The Brooklyn Union Gas Company d/b/a National Grid, NY
Total Annual Merchant Function Charges
Annual Expense Target in GAC Year
Commodity-Related Credit and Collection Expenses

Calendar Year : 2017				Calendar Year : 2018				Calendar Year : 2019				Calendar Year : 2020			
Total : \$ 4,842,000				Total ¹ : \$ 4,943,682				Total ¹ : \$ 5,047,499				Total ¹ : \$ 5,153,497			
Billed Sales SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC & IT Sales and ESCOs (SC 17), TC & IT Transportation				Billed Sales SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC & IT Sales and ESCOs (SC 17), TC & IT Transportation				Billed Sales SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC & IT Sales and ESCOs (SC 17), TC & IT Transportation				Billed Sales SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC & IT Sales and ESCOs (SC 17), TC & IT Transportation			
Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$	
Jan-2017	28,356,482	16%	\$ 792,146	Jan-2018	28,804,251	16%	\$ 811,824	Jan-2019	29,247,400	16%	\$ 831,519	Jan-2020	29,026,562	17%	\$ 874,770
Feb-2017	26,032,130	15%	\$ 727,215	Feb-2018	26,420,147	15%	\$ 744,630	Feb-2019	26,857,808	15%	\$ 763,582	Feb-2020	27,502,976	16%	\$ 828,854
Mar-2017	20,901,018	12%	\$ 583,876	Mar-2018	21,200,550	12%	\$ 597,520	Mar-2019	21,503,257	12%	\$ 611,349	Mar-2020	20,194,004	12%	\$ 608,584
Apr-2017	16,090,957	9%	\$ 449,505	Apr-2018	16,338,071	9%	\$ 460,475	Apr-2019	16,577,261	9%	\$ 471,301	Apr-2020	19,072,814	11%	\$ 574,795
May-2017	8,986,890	5%	\$ 251,051	May-2018	9,124,264	5%	\$ 257,160	May-2019	9,189,191	5%	\$ 261,254	May-2020	9,612,757	6%	\$ 289,699
Jun-2017	6,334,239	4%	\$ 176,949	Jun-2018	6,430,241	4%	\$ 181,231	Jun-2019	6,434,512	4%	\$ 182,937	Jun-2020	6,675,651	4%	\$ 201,183
Jul-2017	5,644,589	3%	\$ 157,683	Jul-2018	5,626,724	3%	\$ 158,584	Jul-2019	5,639,965	3%	\$ 160,347	Jul-2020	5,279,505	3%	\$ 159,108
Aug-2017	5,654,879	3%	\$ 157,971	Aug-2018	5,637,312	3%	\$ 158,883	Aug-2019	5,651,760	3%	\$ 160,683	Aug-2020	5,292,005	3%	\$ 159,485
Sep-2017	5,979,433	3%	\$ 167,037	Sep-2018	5,964,731	3%	\$ 168,111	Sep-2019	5,982,021	3%	\$ 170,072	Sep-2020	5,208,170	3%	\$ 156,958
Oct-2017	10,039,560	6%	\$ 280,458	Oct-2018	10,085,172	6%	\$ 284,242	Oct-2019	10,175,291	6%	\$ 289,289	Oct-2020	8,113,804	5%	\$ 244,525
Nov-2017	15,866,630	9%	\$ 443,239	Nov-2018	16,025,966	9%	\$ 451,678	Nov-2019	16,212,949	9%	\$ 460,943	Nov-2020	13,672,192	8%	\$ 412,037
Dec-2017	23,442,461	14%	\$ 654,871	Dec-2018	23,748,982	14%	\$ 669,345	Dec-2019	24,066,497	14%	\$ 684,224	Dec-2020	21,352,524	12%	\$ 643,499
Total	173,329,267	100%	\$ 4,842,000	Total	175,406,411	100%	\$ 4,943,682	Total	177,537,912	100%	\$ 5,047,499	Total	171,002,964	100%	\$ 5,153,497
GAC Year				GAC Year				GAC Year				GAC Year			
			Monthly Allocation \$				Monthly Allocation \$								Monthly Allocation \$
Sep-2017			\$ 167,037	Sep-2018			\$ 168,111	Sep-2019			\$ 170,072	Sep-2020			\$ 170,072
Oct-2017			\$ 280,458	Oct-2018			\$ 284,242	Oct-2019			\$ 289,289	Oct-2020			\$ 289,289
Nov-2017			\$ 443,239	Nov-2018			\$ 451,678	Nov-2019			\$ 460,943	Nov-2020			\$ 460,943
Dec-2017			\$ 654,871	Dec-2018			\$ 669,345	Dec-2019			\$ 684,224	Dec-2020			\$ 684,224
Jan-2018			\$ 811,824	Jan-2019			\$ 831,519	Jan-2020			\$ 874,770	Jan-2020			\$ 874,770
Feb-2018			\$ 744,630	Feb-2019			\$ 763,582	Feb-2020			\$ 828,854	Feb-2020			\$ 828,854
Mar-2018			\$ 597,520	Mar-2019			\$ 611,349	Mar-2020			\$ 608,584	Mar-2020			\$ 608,584
Apr-2018			\$ 460,475	Apr-2019			\$ 471,301	Apr-2020			\$ 574,795	Apr-2020			\$ 574,795
May-2018			\$ 257,160	May-2019			\$ 261,254	May-2020			\$ 289,699	May-2020			\$ 289,699
Jun-2018			\$ 181,231	Jun-2019			\$ 182,937	Jun-2020			\$ 201,183	Jun-2020			\$ 201,183
Jul-2018			\$ 158,584	Jul-2019			\$ 160,347	Jul-2020			\$ 159,108	Jul-2020			\$ 159,108
Aug-2018			\$ 158,883	Aug-2019			\$ 160,683	Aug-2020			\$ 159,485	Aug-2020			\$ 159,485
Total			\$ 4,915,911	Total			\$ 5,016,348	Total			\$ 5,301,006	Total			\$ 5,301,006

Notes:
¹ : Adjusted for Inflation Rate of 2.1% per Appendix 1, Schedule 1

The Brooklyn Union Gas Company d/b/a National Grid, NY
Merchant Function Charge
Illustrative Example - Monthly Calculation of Uncollectible Expenses Associated with Gas Costs
Applicable to Firm Sales Customers under SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, TC & Interruptible

Set Commodity Related Uncollectible Expenses Associated with Gas Costs Each Month:	SC 1A, 1AR, 1B, 1BI, 1BR, 1B-DG, 2-1, 2-2,	SC 4A	SC 4A- CNG	SC 4B	SC 7& 14	TC Sales
	<u>Per Dt</u>	<u>Per Dt</u>	<u>Per Dt</u>	<u>Per Dt</u>	<u>Per Dt</u>	<u>Per Dt</u>
a) Effective Monthly Cost of Gas and Adjustments	\$4.00447	\$2.91576	\$2.87073	\$3.23206	\$2.69424	\$2.68461
b) Uncollectible Factor /1	1.0571%	1.0571%	1.0571%	1.0571%	1.0571%	1.0571%
c) Commodity Related Uncollectible Expense Charge: (a x b)	\$0.04233	\$0.03082	\$0.03035	\$0.03416	\$0.02848	\$0.02838

Notes:

1 : Exhibit_SSP-4, Schedule 1, Page 1

The Brooklyn Union Gas Company d/b/a National Grid, NY
Merchant Function Charge
Illustrative Example - Monthly Calculation of Return Requirement on Gas Purchase Related Working Capital Charge
Applicable to Firm Sales Customers under SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14 & 21, TC & Interruptible

Set Commodity Related Uncollectible Expenses Associated with Gas Costs Each Month:	SC 1A, 1AR, 1B, 1BI, 1BR, 1B-DG, 2-1, 2-2, 3 & 21 <u>Per Dt</u>	SC 4A <u>Per Dt</u>	SC 4A- CNG <u>Per Dt</u>	SC 4B <u>Per Dt</u>	SC 7& 14 <u>Per Dt</u>	TC Sales <u>Per Dt</u>
a) Effective Monthly Cost of Gas and Adjustments	\$4.00447	\$2.91576	\$2.87073	\$3.23206	\$2.69424	\$2.68461
b) Lead Lag Rate /1	8.79%	8.79%	8.79%	8.79%	8.79%	8.79%
c) Pre-Tax Weighted Average Cost of Capital /2	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
d) Return Requirement on Gas Purchase Working Capital Charge (\$/Dt) (a x b x c)	\$0.03194	\$0.02326	\$0.02290	\$0.02578	\$0.02149	\$0.02142

Notes:

- 1 : Exhibit__RRP-7, Schedule 5, Page 1
- 2 : Appendix 1, Schedule 1

The Brooklyn Union Gas Company d/b/a National Grid, NY
Merchant Function Charge
Illustrative Example - Calculation Gas Procurement and
Commodity-Related Sales Promotion Expenses and Reconciliation
Applicable to Firm Sales Customers under SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14 ,21
TC Sales and Interruptible Sales

1) Set Gas Procurement and Commodity-Related Sales Promotion Expenses for: September 1, 2017 - August 31, 2018		
a) Allowed Expenses /1	\$	1,280,854
b) Forecasted SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14 , 21 & TC Sales		108,584,939 Dt
c) Unit Rate effective September 1, 2017 - August 31, 2018 = (2a / 2b)		0.01180 \$/Dt
2) Perform Annual Reconciliation for September 1, 2017 - August 31, 2018 : January 1, 2019 - December 31, 2019		
a) Actual Recoveries	\$	1,000,000
b) Allowed Expense	\$	<u>1,280,854</u>
c) Resulting Over Recovery (-) / Under Recovery (+) = (2b - 2a)		\$280,854
d) Forecasted SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14 , 21 , TC & IT Sales		109,196,964 Dt
Annual Reconciliation effective January 1, 2019 - December 31, 2019 = (2c / 2d)		0.00257 \$/Dt

Notes:

1 : Schedule 7.2, Page 1

The Brooklyn Union Gas Company d/b/a National Grid, NY
Merchant Function Charge
Illustrative Example
Calculation of Commodity Related Credit and Collection Charge and Annual Reconciliation
Applicable to Firm Sales Customers under SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14 & 21,
and SC 17 Firm Transport, TC and Interruptible Sales & Transportation

1) i) Set Commodity Related Credit and Collection Expense Charge for : September 1, 2017 - August 31, 2018

a)	Allowed GAC Year Expenses /1	\$	4,915,911
b)	Forecasted Firm Sales, Firm Transportation SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, 17, TC & IT		174,909,643 Dt
c)	Commodity Related Credit and Collection Expense Charge (a / b) : Effective September 1, 2017 - August 31, 2018		0.02811 \$/Dt

ii) Allocation between Sales Customers & Transportation Customer's ESCO's

	Annual Sales-Dt	%	Expenses
SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21	108,584,939	62%	\$ 3,051,826
ESCOs (SC 17) and TC & IT Transportation	66,324,704	38%	\$ 1,864,084
Total	174,909,643	100%	\$ 4,915,911

2)

a)	Actual Recoveries	\$	5,000,000
b)	Allowed Expense	\$	4,915,911
c)	Resulting Over Recovery (-) / Under Recovery (+) = (2b - 2a)		(\$84,089)
d)	Forecasted Firm Sales and Firm Transportation Customers: SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14, 21, 17, TC & Interruptible Sales and Transportation		177,537,912 Dt
e)	Annual Reconciliation effective January 1, 2019 - December 31, 2019 = (2c / 2d) (surcharges/credits shall include simple interest at the Commission's other customer capital rate)		(0.00047) \$/Dt

Notes:
1 : Schedule 7.2, Page 2

The Brooklyn Union Gas Company d/b/a National Grid, NY
Merchant Function Charge
Illustrative Example - Calculation of Return Requirement on Gas Storage Inventory and Reconciliation
Applicable to Firm Sales Customers under SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14 & 21
and Firm Transportation under SC 17

Set Return Requirement on Gas Storage Inventory Charge for: Sep 1, 2017 - Aug 31, 2018

	Estimated Storage Inventory Ending Balance (Less Capacity Release) (dt)	Estimated Wtd Avg Storage Inventory Cost (\$/dt)	Estimated Storage Inventory Costs (\$)
	9/30/2017	38,609,911 \$	2.10 \$ 81,148,413
	10/31/2017	43,374,113 \$	2.10 \$ 91,148,839
	11/30/2017	40,679,285 \$	2.10 \$ 85,625,823
	12/31/2017	32,537,292 \$	2.10 \$ 68,480,537
	1/31/2018	20,781,756 \$	2.10 \$ 43,707,255
	2/28/2018	11,623,997 \$	2.10 \$ 24,402,710
	3/31/2018	6,105,731 \$	2.07 \$ 12,663,228
	4/30/2018	8,962,121 \$	2.22 \$ 19,912,190
	5/31/2018	15,807,252 \$	2.31 \$ 36,464,686
	6/30/2018	22,404,898 \$	2.33 \$ 52,151,244
		26,371,349 \$	2.35 \$ 61,971,907
		32,475,718 \$	2.35 \$ 76,183,492
		299,733,422	\$ 653,860,323
a) Estimated Monthly Average Storage Inventory Costs (12 Months)			\$ 54,488,360
b) Pre-Tax Weighted Average Cost of Capital			
Rate Year 1 (Jan 1, 2017 to Dec 31, 2017) /1			9.08%
Rate Year 2 (Jan 1, 2018 to Dec 31, 2018) /1			9.08%
Average Pre-Tax WACC			9.08%
c) Estimated Return Requirement on Gas Storage Inventory (1a x 1b)			\$ 4,947,543

2) Allocate Return Requirement on Gas Storage Inventory to Firm Sales & Firm Transportation Customers

	Firm Sales	Firm Transportation	Total
a) Total Storage Capacity (dt)	26,257,414	17,832,303	44,089,717
b) Less Storage Capacity Release (dt)	-	2,051,066	2,051,066
c) Net Reliance on Storage Inventory	26,257,414	15,781,237	42,038,651
d) Storage Inventory Allocators			
e) Allocated Return Requirement on Gas Storage Inventory	\$ 3,090,244	\$ 1,857,299	\$ 4,947,543
f) Forecasted Firm Sales and Firm Transport Vols 9/1/17 - 8/31/18 (dt)	92,045,253	62,511,061	154,556,313
g) Return Requirement on Gas Storage Inventory Charge (\$/dt) Effective September 1, 2017 - August 31, 2018	\$ 0.0336	\$ 0.0297	

The Brooklyn Union Gas Company d/b/a National Grid, NY
Merchant Function Charge
Illustrative Example - Calculation of Return Requirement on Gas Storage Inventory and Reconciliation
Applicable to Firm Sales Customers under SC 1, 2, 3, 4A, 4A-CNG, 4B, 7, 14 & 21
and Firm Transportation under SC 17

3) **Annual Reconciliation for: Jan 1, 2019 - Dec 31, 2019**

	Firm Sales	Firm Transportation	Total
a) Return Requirement on Gas Storage Inventory Charge Recoveries			
Actual Billed Sales & Transportation Volumes (dt)	96,647,515	68,762,167	165,409,682
Actual Recoveries	\$ 3,244,756	\$ 2,043,029	\$ 5,287,785

b) Actual Return Requirement on Gas Storage Inventory

	Actual Storage Inventory Ending Balance (Less Capacity Release) (dt)	Actual Wtd Avg Storage Inventory Cost (\$/dt)	Actual Storage Inventory Costs (\$)
9/30/2017	38,223,812	\$ 2.42	\$ 92,387,468
10/31/2017	42,940,372	\$ 2.42	\$ 103,772,953
11/30/2017	40,272,492	\$ 2.42	\$ 97,485,000
12/31/2017	32,211,919	\$ 2.42	\$ 77,965,091
1/31/2018	20,573,938	\$ 2.42	\$ 49,760,710
2/28/2018	11,507,757	\$ 2.41	\$ 27,782,486
3/31/2018	6,044,674	\$ 2.39	\$ 14,417,085
4/30/2018	8,872,500	\$ 2.56	\$ 22,670,029
5/31/2018	15,649,179	\$ 2.65	\$ 41,515,045
6/30/2018	22,180,849	\$ 2.68	\$ 59,374,191
7/31/2018	26,107,636	\$ 2.70	\$ 70,555,016
8/31/2018	32,150,960	\$ 2.70	\$ 86,734,905
	296,736,088		\$ 744,419,978

i) Actual Monthly Average Storage Inventory Costs (12 Months)	\$ 62,034,998
ii) Pre-Tax Weighted Average Cost of Capital	
Rate Year 1 (Jan 1, 2017 to Dec 31, 2017) /1	9.08%
Rate Year 2 (Jan 1, 2018 to Dec 31, 2018) /1	9.08%
Average Pre-Tax WACC	9.08%
iii) Actual Return Requirement on Gas Storage Inventory (1a x 1b)	\$ 5,632,778
c) Resulting Over Recovery (-) / Under Recovery (+) = (3b - 3a)	\$ 344,993

Allocate Return Requirement on Gas Storage Inventory to Firm Sales & Firm Transportation Customers

	Firm Sales	Firm Transportation	Total
a) Total Storage Capacity (dt)	25,996,850	18,092,866	44,089,717
b) Less Storage Capacity Release (dt)	-	2,051,066	2,051,066
c) Net Reliance on Storage Inventory	25,996,850	16,041,800	42,038,651
d) Storage Inventory Allocators			
e) Allocated Return Requirement on Gas Storage Inventory	\$ 213,345	\$ 131,648	\$ 344,993
f) Forecasted Firm Sales and Firm Transport Vols 1/1/19 - 12/31/19 (dt)	92,989,532	64,717,348	157,706,880
g) Return Requirement on Gas Storage Inventory Charge (\$/dt)	\$ 0.0023	\$ 0.0020	
Annual Reconciliation Factor: Jan 1, 2019 to Dec 31, 2019 (\$/dt)			
(will include simple interest at the Commission's other customer capital rate)			

Notes:

1 Appendix 1, Schedule 1

The Brooklyn Union Gas Company d/b/a National Grid, NY
Benchmark Margin Per Customer - Residential Heat
For Rate Year Ending December 31, 2017

Proposed Rates												
MPC Target Development Proposal												
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Block 1*	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300	\$ 22.5300
Block 2	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846	\$ 0.7846
Block 3	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780	\$ 0.2780
* includes consolidated billing charge												
Sales Block Distribution												
Minimum Charge	1.3461%	1.5342%	1.8296%	3.1214%	6.0695%	10.9140%	12.1283%	12.0480%	9.5617%	3.9540%	2.3235%	1.5483%
Block 2	20.2634%	23.0182%	27.2103%	43.1380%	66.0762%	79.3476%	79.0794%	78.3771%	77.1126%	52.3684%	33.0114%	23.0874%
Transport Block Distribution												
Minimum Charge	1.2419%	1.4145%	1.6879%	2.8818%	5.6243%	10.1642%	11.2956%	11.2235%	8.8888%	3.6528%	2.1460%	1.4282%
Block 2	19.0527%	21.6662%	25.6758%	41.5754%	64.8413%	78.8626%	77.8703%	78.1498%	76.1921%	50.3527%	31.4159%	21.7711%
Rate Case Forecast												
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Rate 1B												
# Meters	485,673	486,884	487,944	488,757	488,580	487,751	487,136	486,839	486,656	487,096	488,122	489,667
Billed Sales (Dth)	10,874,285	9,565,004	8,030,571	4,705,887	2,400,702	1,313,312	1,172,514	1,180,511	1,494,250	3,668,715	6,299,612	9,530,698
Billed Sales (Th)	108,742,850	95,650,043	80,305,714	47,058,869	24,007,016	13,133,117	11,725,142	11,805,111	14,942,498	36,687,145	62,996,115	95,306,979
	3.01	3.01	3.01	3.01	2.98	2.94	2.92	2.92	2.94	2.98	3.00	3.01
	45.37	45.22	44.78	41.53	32.47	21.37	19.03	19.01	23.68	39.44	42.60	44.94
Minimum Volume	1,463,763	1,467,449	1,469,271	1,468,899	1,457,116	1,433,344	1,422,060	1,422,283	1,428,749	1,450,614	1,463,726	1,475,667
Block 2 Volume	22,035,027	22,016,929	21,851,401	20,300,261	15,862,923	10,420,809	9,272,173	9,252,504	11,522,547	19,212,457	20,795,912	22,003,943
Block 3 Volume	85,244,060	72,165,664	56,985,042	25,289,709	6,686,977	1,278,963	1,030,909	1,130,324	1,991,201	16,024,074	40,736,478	71,827,368
Block 1 Margin	10,942,203	10,969,499	10,993,386	11,011,699	11,007,712	10,989,039	10,975,183	10,968,490	10,964,359	10,974,281	10,997,392	11,032,194
Block 2 Margin	17,288,682	17,274,482	17,144,609	15,927,585	12,446,049	8,176,167	7,274,947	7,259,514	9,040,591	15,074,093	16,316,473	17,264,294
Block 3 Margin	23,697,849	20,062,055	15,841,842	7,030,539	1,858,980	355,552	286,593	314,230	553,554	4,454,693	11,324,741	19,968,008
Billed Margin	\$ 51,928,734	\$ 48,306,036	\$ 43,979,837	\$ 33,969,823	\$ 25,312,741	\$ 19,520,758	\$ 18,536,723	\$ 18,542,235	\$ 20,558,503	\$ 30,503,068	\$ 38,638,606	\$ 48,264,497
Margin Per Cust	\$ 106.92	\$ 99.21	\$ 90.13	\$ 69.50	\$ 51.81	\$ 40.02	\$ 38.05	\$ 38.09	\$ 42.24	\$ 62.62	\$ 79.16	\$ 98.57
Rate T1B												
# Meters	120,835	121,136	121,400	121,602	121,558	121,352	121,199	121,125	121,079	121,189	121,444	121,828
Billed Sales (Dth)	2,946,132	2,591,503	2,175,890	1,275,370	650,989	356,458	318,321	320,486	405,465	994,439	1,707,043	2,582,215
Billed Sales (Th)	29,461,320	25,915,031	21,758,895	12,753,696	6,509,888	3,564,580	3,183,208	3,204,864	4,054,651	9,944,394	17,070,435	25,822,151
Minimum Volume	365,890	366,573	367,267	367,541	366,133	362,312	359,562	359,699	360,410	363,248	366,331	368,787
Block 2 Volume	5,613,171	5,614,798	5,586,765	5,302,396	4,221,094	2,811,121	2,478,772	2,504,595	3,089,325	5,007,273	5,362,825	5,621,766
Block 3 Volume	23,482,259	19,933,660	15,804,863	7,083,758	1,922,660	391,148	344,874	340,570	604,916	4,573,873	11,341,279	19,831,598
Block 1 Margin	2,722,402	2,729,193	2,735,136	2,739,692	2,738,700	2,734,054	2,730,607	2,728,942	2,727,914	2,730,383	2,736,133	2,744,791
Block 2 Margin	4,404,094	4,405,370	4,383,376	4,160,260	3,311,871	2,205,605	1,944,845	1,965,105	2,423,884	3,928,707	4,207,673	4,410,838
Block 3 Margin	6,528,068	5,541,558	4,393,752	1,969,285	534,499	108,739	95,875	94,678	168,167	1,271,537	3,152,876	5,513,184
Billed Margin	\$ 13,654,563	\$ 12,676,121	\$ 11,512,263	\$ 8,869,237	\$ 6,585,070	\$ 5,048,399	\$ 4,771,327	\$ 4,788,725	\$ 5,319,965	\$ 7,930,626	\$ 10,096,681	\$ 12,668,813
Margin Per Cust	\$ 113.00	\$ 104.64	\$ 94.83	\$ 72.94	\$ 54.17	\$ 41.60	\$ 39.37	\$ 39.54	\$ 43.94	\$ 65.44	\$ 83.14	\$ 103.99
1 # Customers	606,507	608,020	609,344	610,359	610,138	609,103	608,335	607,964	607,735	608,285	609,566	611,495
2 Billed Sales (Dth)	13,820,417	12,156,507	10,206,461	5,981,256	3,051,690	1,669,770	1,490,835	1,500,997	1,899,715	4,663,154	8,006,655	12,112,913
3 Monthly Billed Margin	\$ 65,583,297	\$ 60,982,157	\$ 55,492,100	\$ 42,839,060	\$ 31,897,811	\$ 24,569,157	\$ 23,308,050	\$ 23,330,960	\$ 25,878,468	\$ 38,433,694	\$ 48,735,287	\$ 60,933,310
4 Margin Per Cust	\$ 108.13	\$ 100.30	\$ 91.07	\$ 70.19	\$ 52.28	\$ 40.34	\$ 38.31	\$ 38.38	\$ 42.58	\$ 63.18	\$ 79.95	\$ 99.65
= Sum of Line 1											12 M Total Cust #	7,306,852
= Sum of Line 2, as shown on Appendix 3, Schedule 4.1, Total Proposed SC1B&BR Billed Sales											12 M Vol	76,560,371
= Appendix 3, Schedule 4.1, Total Proposed SC1B&BR Billed Delivery Revenue + Consolidated Billing Charge (Line 1 * \$0.98)											12 M Rev \$	501,983,351
= Average of Line 1											12 M Avg Cust #	608,904
= Sum of Line 4											RDM RY MPC \$	824.35

The Brooklyn Union Gas Company d/b/a National Grid, NY
Benchmark Margin Per Customer - Residential Heat
For Rate Year Ending December 31, 2018

Proposed Rates												
MPC Target Development Proposal												
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Block 1*	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500	\$ 22.7500
Block 2	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491	\$ 0.9491
Block 3	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363	\$ 0.3363
* includes consolidated billing charge												
Sales Block Distribution												
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Minimum Charge	1.3461%	1.5342%	1.8296%	3.1214%	6.0695%	10.9140%	12.1283%	12.0480%	9.5617%	3.9540%	2.3235%	1.5483%
Block 2	20.2634%	23.0182%	27.2103%	43.1380%	66.0762%	79.3476%	79.0794%	78.3771%	77.1126%	52.3684%	33.0114%	23.0874%
Transport Block Distribution												
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Minimum Charge	1.2419%	1.4145%	1.6879%	2.8818%	5.6243%	10.1642%	11.2956%	11.2235%	8.8888%	3.6528%	2.1460%	1.4282%
Block 2	19.0527%	21.6662%	25.6758%	41.5754%	64.8413%	78.8626%	77.8703%	78.1498%	76.1921%	50.3527%	31.4159%	21.7711%
Rate Case Forecast												
Rate 1B												
# Meters	490,701	491,913	492,973	493,786	493,609	492,780	492,165	491,868	491,685	492,125	493,151	494,695
Billed Sales (Dth)	10,986,877	9,663,793	8,113,332	4,754,304	2,425,410	1,326,852	1,184,618	1,192,705	1,509,690	3,706,589	6,364,510	9,628,573
Billed Sales (Th)	109,868,767	96,637,933	81,133,323	47,543,039	24,254,104	13,268,517	11,846,178	11,927,047	15,096,899	37,065,891	63,645,100	96,285,732
	3.01	3.01	3.01	3.01	2.98	2.94	2.92	2.92	2.94	2.98	3.00	3.01
	45.37	45.22	44.78	41.53	32.47	21.37	19.03	19.01	23.68	39.44	42.60	44.94
Minimum Volume	1,478,919	1,482,605	1,484,413	1,484,012	1,472,113	1,448,121	1,436,739	1,436,974	1,443,513	1,465,590	1,478,805	1,490,822
Block 2 Volume	22,263,177	22,244,323	22,076,596	20,509,122	16,026,189	10,528,246	9,367,888	9,348,074	11,641,610	19,410,800	21,010,151	22,229,913
Block 3 Volume	86,126,672	72,911,004	57,572,314	25,549,905	6,755,802	1,292,149	1,041,550	1,142,000	2,011,776	16,189,502	41,156,144	72,564,998
Block 1 Margin	11,163,452	11,191,015	11,215,135	11,233,627	11,229,601	11,210,746	11,196,755	11,189,996	11,185,824	11,195,844	11,219,180	11,254,322
Block 2 Margin	21,129,981	21,112,087	20,952,897	19,465,208	15,210,456	9,992,358	8,891,063	8,872,257	11,049,052	18,422,790	19,940,734	21,098,410
Block 3 Margin	28,964,400	24,519,971	19,361,569	8,592,433	2,271,976	434,550	350,273	384,054	676,560	5,444,529	13,840,811	24,403,609
Billed Margin	\$ 61,257,832	\$ 56,823,073	\$ 51,529,601	\$ 39,291,268	\$ 28,712,033	\$ 21,637,654	\$ 20,438,091	\$ 20,446,307	\$ 22,911,437	\$ 35,063,163	\$ 45,000,726	\$ 56,756,341
Margin Per Cust	\$ 124.84	\$ 115.51	\$ 104.53	\$ 79.57	\$ 58.17	\$ 43.91	\$ 41.53	\$ 41.57	\$ 46.60	\$ 71.25	\$ 91.25	\$ 114.73
Rate T1B												
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
# Meters	122,086	122,387	122,651	122,853	122,809	122,603	122,450	122,376	122,330	122,440	122,695	123,079
Billed Sales (Dth)	2,976,636	2,618,269	2,198,314	1,288,491	657,689	360,133	321,607	323,797	409,655	1,004,706	1,724,629	2,608,733
Billed Sales (Th)	29,766,360	26,182,686	21,983,137	12,884,913	6,576,890	3,601,330	3,216,068	3,237,967	4,096,548	10,047,057	17,246,294	26,087,331
Minimum Volume	369,679	370,359	371,052	371,323	369,902	366,047	363,273	363,414	364,134	366,998	370,104	372,574
Block 2 Volume	5,671,289	5,672,789	5,644,340	5,356,951	4,264,539	2,840,103	2,504,360	2,530,465	3,121,247	5,058,967	5,418,073	5,679,499
Block 3 Volume	23,725,393	20,139,539	15,967,744	7,156,640	1,942,449	395,180	348,434	344,088	611,167	4,621,092	11,458,117	20,035,258
Block 1 Margin	2,777,448	2,784,306	2,790,307	2,794,907	2,793,906	2,789,215	2,785,734	2,784,052	2,783,014	2,785,507	2,791,313	2,800,056
Block 2 Margin	5,382,620	5,384,044	5,357,044	5,084,282	4,047,474	2,695,542	2,376,888	2,401,664	2,962,376	4,801,466	5,142,293	5,390,412
Block 3 Margin	7,978,850	6,772,927	5,369,952	2,406,778	653,245	132,899	117,178	115,717	205,535	1,554,073	3,853,365	6,737,857
Billed Margin	\$ 16,138,918	\$ 14,941,276	\$ 13,517,302	\$ 10,285,967	\$ 7,494,625	\$ 5,617,655	\$ 5,279,800	\$ 5,301,433	\$ 5,950,925	\$ 9,141,046	\$ 11,786,971	\$ 14,928,326
Margin Per Cust	\$ 132.19	\$ 122.08	\$ 110.21	\$ 83.73	\$ 61.03	\$ 45.82	\$ 43.12	\$ 43.32	\$ 48.65	\$ 74.66	\$ 96.07	\$ 121.29
1 # Customers	612,787	614,300	615,624	616,639	616,418	615,383	614,615	614,244	614,015	614,565	615,846	617,775
2 Billed Sales (Dth)	13,963,513	12,282,062	10,311,646	6,042,795	3,083,099	1,686,985	1,506,225	1,516,501	1,919,345	4,711,295	8,089,139	12,237,306
3 Monthly Billed Margin	\$ 77,396,750	\$ 71,764,349	\$ 65,046,904	\$ 49,577,235	\$ 36,206,658	\$ 27,255,309	\$ 25,717,891	\$ 25,747,740	\$ 28,862,362	\$ 44,204,209	\$ 56,787,697	\$ 71,684,667
4 Margin Per Cust	\$ 126.30	\$ 116.82	\$ 105.66	\$ 80.40	\$ 58.74	\$ 44.29	\$ 41.84	\$ 41.92	\$ 47.01	\$ 71.93	\$ 92.21	\$ 116.04
= Sum of Line 1										12 M Total Cust #	7,382,209	
= Sum of Line 2, as shown on Appendix 3, Schedule 4.2, Total Proposed SC1B&BR Billes Sales										12 M Vol	77,349,911	
= Appendix 3, Schedule 4.2, Total Proposed SC1B&BR Billed Delivery Revenue + Consolidated Billing Charge (Line 1 * \$1.20)										12 M Rev \$	580,251,772	
= Average of Line 1										12 M Avg Cust #	615,184	
= Sum of Line 4										RDM RY MPC \$	943.16	

The Brooklyn Union Gas Company d/b/a National Grid, NY
Benchmark Margin Per Customer - Residential Heat
For Rate Year Ending December 31, 2019

Proposed Rates												
MPC Target Development Proposal												
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Block 1*	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700	\$ 22.9700
Block 2	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429	\$ 1.1429
Block 3	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050	\$ 0.4050
* Includes consolidated billing charge												
Sales Block Distribution												
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Minimum Charge	1.3461%	1.5342%	1.8296%	3.1214%	6.0695%	10.9140%	12.1283%	12.0480%	9.5617%	3.9540%	2.3235%	1.5483%
Block 2	20.2634%	23.0182%	27.2103%	43.1380%	66.0762%	79.3476%	79.0794%	78.3771%	77.1126%	52.3684%	33.0114%	23.0874%
Transport Block Distribution												
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Minimum Charge	1.2419%	1.4145%	1.6879%	2.8818%	5.6243%	10.1642%	11.2956%	11.2235%	8.8888%	3.6528%	2.1460%	1.4282%
Block 2	19.0527%	21.6662%	25.6758%	41.5754%	64.8413%	78.8626%	77.8703%	78.1498%	76.1921%	50.3527%	31.4159%	21.7711%
Rate Case Forecast												
Rate 1B												
# Meters	495,730	496,941	498,002	498,814	498,637	497,809	497,194	496,897	496,713	497,154	498,179	499,724
Billed Sales (Dth)	11,099,468	9,762,582	8,196,093	4,802,721	2,450,119	1,340,392	1,196,721	1,204,898	1,525,130	3,744,464	6,429,408	9,726,449
Billed Sales (Th)	110,994,684	97,625,823	81,960,933	48,027,208	24,501,192	13,403,917	11,967,215	12,048,984	15,251,300	37,444,637	64,294,085	97,264,485
	3.01	3.01	3.01	3.01	2.98	2.94	2.92	2.92	2.94	2.98	3.00	3.01
	45.37	45.22	44.78	41.53	32.47	21.37	19.03	19.01	23.68	39.44	42.60	44.94
Minimum Volume	1,494,075	1,497,762	1,499,555	1,499,125	1,487,110	1,462,899	1,451,419	1,451,665	1,458,276	1,480,565	1,493,884	1,505,976
Block 2 Volume	22,491,326	22,471,718	22,301,790	20,717,983	16,189,455	10,635,683	9,463,604	9,443,644	11,760,673	19,609,143	21,224,390	22,455,882
Block 3 Volume	87,009,283	73,656,344	58,159,587	25,810,100	6,824,626	1,305,335	1,052,192	1,153,675	2,032,351	16,354,929	41,575,810	73,302,628
Block 1 Margin	11,386,914	11,414,743	11,439,096	11,457,767	11,453,702	11,434,665	11,420,538	11,413,714	11,409,502	11,419,619	11,443,181	11,478,662
Block 2 Margin	25,705,337	25,682,927	25,488,716	23,678,583	18,502,929	12,155,522	10,815,952	10,793,141	13,441,273	22,411,289	24,257,355	25,664,827
Block 3 Margin	35,238,760	29,830,819	23,554,633	10,453,091	2,763,974	528,661	426,138	467,238	823,102	6,623,746	16,838,203	29,687,564
Billed Margin	\$ 72,331,010	\$ 66,928,489	\$ 60,482,446	\$ 45,589,441	\$ 32,720,604	\$ 24,118,847	\$ 22,662,629	\$ 22,674,094	\$ 25,673,877	\$ 40,454,654	\$ 52,538,740	\$ 66,831,054
Margin Per Cust	\$ 145.91	\$ 134.68	\$ 121.45	\$ 91.40	\$ 65.62	\$ 48.45	\$ 45.58	\$ 45.63	\$ 51.69	\$ 81.37	\$ 105.46	\$ 133.74
Rate T1B												
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
# Meters	123,337	123,638	123,902	124,104	124,060	123,854	123,701	123,627	123,581	123,691	123,946	124,331
Billed Sales (Dth)	3,007,140	2,645,034	2,220,738	1,301,613	664,389	363,808	324,893	327,107	413,844	1,014,972	1,742,215	2,635,251
Billed Sales (Th)	30,071,401	26,450,341	22,207,378	13,016,131	6,643,891	3,638,080	3,248,927	3,271,071	4,138,445	10,149,720	17,422,153	26,352,511
Minimum Volume	373,467	374,145	374,837	375,104	373,670	369,783	366,985	367,130	367,858	370,748	373,878	376,361
Block 2 Volume	5,729,407	5,730,779	5,701,916	5,411,505	4,307,984	2,869,085	2,529,948	2,556,335	3,153,169	5,110,660	5,473,321	5,737,232
Block 3 Volume	23,968,526	20,345,417	16,130,625	7,229,522	1,962,237	399,213	351,994	347,606	617,417	4,668,311	11,574,954	20,238,919
Block 1 Margin	2,833,045	2,839,969	2,846,028	2,850,673	2,849,662	2,844,925	2,841,411	2,839,713	2,838,665	2,841,182	2,847,044	2,855,872
Block 2 Margin	6,548,140	6,549,707	6,516,720	6,184,809	4,923,595	3,279,077	2,891,478	2,921,636	3,603,757	5,840,974	6,255,458	6,557,082
Block 3 Margin	9,707,253	8,239,894	6,532,903	2,927,956	794,706	161,681	142,558	140,780	250,054	1,890,666	4,687,857	8,196,762
Billed Margin	\$ 19,088,438	\$ 17,629,570	\$ 15,895,651	\$ 11,963,438	\$ 8,567,963	\$ 6,285,684	\$ 5,875,446	\$ 5,902,129	\$ 6,692,476	\$ 10,572,822	\$ 13,790,359	\$ 17,609,716
Margin Per Cust	\$ 154.77	\$ 142.59	\$ 128.29	\$ 96.40	\$ 69.06	\$ 50.75	\$ 47.50	\$ 47.74	\$ 54.15	\$ 85.48	\$ 111.26	\$ 141.64
1 # Customers	619,067	620,580	621,904	622,919	622,698	621,663	620,895	620,524	620,295	620,845	622,126	624,055
2 Billed Sales (Dth)	14,106,608	12,407,616	10,416,831	6,104,334	3,114,508	1,704,200	1,521,614	1,532,005	1,938,974	4,759,436	8,171,624	12,361,700
3 Monthly Billed Margin	\$ 91,419,448	\$ 84,558,059	\$ 76,378,096	\$ 57,552,879	\$ 41,288,567	\$ 30,404,531	\$ 28,538,075	\$ 28,576,222	\$ 32,366,353	\$ 51,027,476	\$ 66,329,098	\$ 84,440,770
4 Margin Per Cust	\$ 147.67	\$ 136.26	\$ 122.81	\$ 92.39	\$ 66.31	\$ 48.91	\$ 45.96	\$ 46.05	\$ 52.18	\$ 82.19	\$ 106.62	\$ 135.31
= Sum of Line 1										12 M Total Cust #		7,457,566
= Sum of Line 2, as shown on Appendix 3, Schedule 4.3, Total Proposed SC1B&BR Billed Sales										12 M Vol		78,139,451
= Appendix 3, Schedule 4.3, Total Proposed SC1B&BR Billed Delivery Revenue + Consolidated Billing Charge (Line 1 * \$1.42)										12 M Rev \$		672,879,575
= Average of Line 1										12 M Avg Cust #		621,464
= Sum of Line 4										RDM RY MPC \$		1,082.66

The Brooklyn Union Gas Company d/b/a National Grid, NY
Revenue Decoupling Mechanism Annual Revenue Targets

	SC2-1	SC2-2	SC2 Total	SC3
Rate Year 1 (Year Ending December 31, 2017)				
1 Total Base Delivery Revenue	\$ 46,947,413	\$ 70,657,235	\$ 117,604,648	\$ 99,643,831
2 Consolidated Billing Charge Revenue	\$ 173,545	\$ 429,603	\$ 603,148	\$ 217,947
3 Total Delivery Revenue Target for RDM	\$ 47,120,958	\$ 71,086,838	\$ 118,207,796	\$ 99,861,778
4 Target # of Customers (avg open and active meters)	14,757	36,531	51,288	18,533
5 Average Annual dth Usage for the Class	75	33		142
6 Marginal Delivery Cost - \$ per dth	\$ 1.04	\$ 1.04		\$ 1.04
7 Marginal Delivery Cost per Customer per Year	\$ 1,419.62	\$ 1,419.62		\$ 2,178.00
Rate Year 2 (Year Ending December 31, 2018)				
8 Total Base Delivery Revenue	\$ 54,210,126	\$ 81,585,022	\$ 135,795,148	\$ 115,042,717
9 Consolidated Billing Charge Revenue	\$ 216,302	\$ 530,736	\$ 747,038	\$ 274,265
10 Total Delivery Revenue Target for RDM	\$ 54,426,428	\$ 82,115,758	\$ 136,542,186	\$ 115,316,982
11 Target # of Customers (avg open and active meters)	15,021	36,857	51,878	19,046
12 Average Annual dth Usage for the Class	72	33		144
13 Marginal Delivery Cost - \$ per dth	\$ 1.04	\$ 1.04		\$ 1.04
14 Marginal Delivery Cost per Customer per Year	\$ 1,419.62	\$ 1,419.62		\$ 2,178.00
Rate Year 3 (Year Ending December 31, 2019)				
15 Total Base Delivery Revenue	\$ 62,828,523	\$ 94,559,285	\$ 157,387,808	\$ 133,338,330
16 Consolidated Billing Charge Revenue	\$ 260,456	\$ 633,574	\$ 894,031	\$ 333,321
17 Total Delivery Revenue Target for RDM	\$ 63,088,979	\$ 95,192,859	\$ 158,281,839	\$ 133,671,651
18 Target # of Customers (avg open and active meters)	15,285	37,182	52,467	19,561
19 Average Annual dth Usage for the Class	72	33		146
20 Marginal Delivery Cost - \$ per dth	\$ 1.04	\$ 1.04		\$ 1.04
21 Marginal Delivery Cost per Customer per Year	\$ 1,419.62	\$ 1,419.62		\$ 2,178.00

1 Per Appendix 3, Schedule 4.1, Page 4 (Proposed Billed Delivery Rev)
2 Total # of customers * \$0.98
3 Sum Lines 1 + 2
4 Per Appendix 3, Schedule 4.1, Page 4 (Average Customers)
5 Total customers / Total usage for the class
6 \$/dth as shown in Marginal Cost study as filed in January 29, 2016
7 \$/customer as shown in Marginal Cost study as filed in January 29, 2016
8 Per Appendix 3, Schedule 4.2, Page 4 (Proposed Billed Delivery Rev)
9 Total # of customers * \$1.20
10 Sum Lines 8+9
11 Per Appendix 3, Schedule 4.2, Page 4 (Average Customers)

12 Total customers / Total usage for the class
13 \$/dth as shown in Marginal Cost study as filed in January 29, 2016
14 \$/customer as shown in Marginal Cost study as filed in January 29, 2016
15 Per Appendix 3, Schedule 4.3, Page 4 (Proposed Billed Delivery Rev)
16 Total # of customers * \$1.42
17 Sum Lines 15+16
18 Per Appendix 3, Schedule 4.3, Page 4 (Average Customers)
19 Total customers / Total usage for the class
20 \$/dth as shown in Marginal Cost study as filed in January 29, 2016
21 \$/customer as shown in Marginal Cost study as filed in January 29, 2016

The Brooklyn Union Gas Company d/b/a National Grid, NY
Revenue Target - SC 2-1 Non Residential Non Heat
For Rate Year Ending December 31, 2020 (Based on Rate Year Ending December 31, 2019 Rates)

Proposed Rates												
	Revenue Target Development Proposal RATE YEAR											
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Block 1*	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700
Block 2	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527	\$ 0.6527
Block 3	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506	\$ 0.4506
Block 4	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704	\$ 0.2704
* includes consolidated billing charge												
Sales Block Distribution												
Minimum Charge	0.5231%	0.5406%	0.6185%	0.6338%	0.8003%	0.8558%	0.9038%	0.8997%	0.9105%	0.8264%	0.7147%	0.6045%
Block 2	12.0970%	12.5830%	14.1599%	14.3989%	17.2787%	18.2793%	18.8599%	18.6941%	18.7177%	17.0357%	15.3584%	13.6821%
Block 3	72.5307%	69.9715%	72.4593%	74.9805%	71.8054%	73.3586%	66.7522%	65.4162%	61.3711%	64.8676%	72.7191%	70.2387%
Block 4	14.8492%	16.9048%	12.7622%	9.9868%	10.1157%	7.5063%	13.4840%	14.9900%	19.0007%	17.2702%	11.2078%	15.4747%
Transport Block Distribution												
Minimum Charge	0.1954%	0.2019%	0.2220%	0.2289%	0.2886%	0.2785%	0.2715%	0.2710%	0.2760%	0.2597%	0.2374%	0.2098%
Block 2	5.1871%	5.3373%	5.8666%	6.0458%	7.0661%	7.2247%	7.0458%	6.9669%	7.0701%	6.7204%	6.2374%	5.5587%
Block 3	60.7079%	60.1697%	60.0887%	62.3796%	68.3385%	62.0183%	64.1741%	59.1746%	60.4047%	63.7268%	63.3295%	61.1655%
Block 4	33.9096%	34.2910%	33.8027%	31.3457%	24.3267%	30.4784%	28.5087%	33.5875%	32.2492%	29.2931%	30.1957%	33.0661%
Rate Case Forecast												
Rate 2-1												
# Meters	9,497	9,553	9,581	9,507	9,453	9,369	9,292	9,262	9,206	9,316	9,386	9,528
Billed Sales (Dth)	522,360	507,216	441,238	430,856	336,080	307,074	282,947	281,081	275,937	309,032	372,005	448,835
Billed Sales (Th)	5,223,800	5,072,155	4,412,380	4,308,559	3,360,804	3,070,743	2,829,468	2,810,811	2,759,373	3,090,316	3,720,045	4,488,350
	2.88	2.87	2.85	2.87	2.85	2.80	2.75	2.73	2.73	2.74	2.83	2.85
	66.54	66.81	65.21	65.26	61.43	59.91	57.43	56.73	56.10	56.51	60.87	64.45
Minimum Volume	27,323	27,423	27,293	27,307	26,895	26,278	25,573	25,289	25,125	25,539	26,586	27,133
Block 2 Volume	631,900	638,230	624,789	620,386	580,702	561,309	533,636	525,457	516,490	526,458	571,340	614,101
Block 3 Volume	3,788,715	3,549,064	3,197,181	3,230,580	2,413,239	2,252,655	1,888,732	1,838,725	1,693,458	2,004,615	2,705,183	3,152,558
Block 4 Volume	775,661	857,439	563,117	430,287	339,967	230,501	381,527	421,340	524,299	533,704	416,936	694,559
Block 1 Margin	370,098	372,280	373,372	370,488	368,383	365,110	362,109	360,940	358,758	363,045	365,772	371,306
Block 2 Margin	412,441	416,573	407,800	404,926	379,024	366,366	348,304	342,966	337,113	343,619	372,914	400,824
Block 3 Margin	1,707,195	1,599,208	1,440,650	1,455,699	1,087,406	1,015,046	851,063	828,530	763,072	903,279	1,218,955	1,420,542
Block 4 Margin	209,739	231,852	152,267	116,350	91,927	62,327	103,165	113,930	141,771	144,314	112,740	187,809
Billed Margin	\$ 2,699,473	\$ 2,619,913	\$ 2,374,088	\$ 2,347,462	\$ 1,926,740	\$ 1,808,850	\$ 1,664,641	\$ 1,646,366	\$ 1,600,714	\$ 1,754,257	\$ 2,070,381	\$ 2,380,481
Rate T2-1												
# Meters	5,892	5,895	5,895	5,866	5,855	5,838	5,832	5,843	5,834	5,879	5,900	5,941
Billed Sales (Dth)	896,174	871,354	786,327	760,294	649,788	622,856	638,894	638,570	627,462	665,343	740,676	845,022
Billed Sales (Th)	8,961,737	8,713,542	7,863,266	7,602,945	6,497,879	6,228,556	6,388,940	6,385,699	6,274,622	6,653,425	7,406,756	8,450,224
Minimum Volume	17,512	17,596	17,460	17,405	17,457	17,349	17,347	17,305	17,317	17,282	17,581	17,724
Block 2 Volume	464,855	465,065	462,876	459,661	459,149	449,993	450,150	444,887	443,623	447,140	461,988	469,723
Block 3 Volume	5,440,480	5,242,916	4,724,935	4,742,585	4,440,554	3,862,846	4,100,042	3,778,711	3,790,167	4,240,012	4,690,661	5,168,618
Block 4 Volume	3,038,889	2,987,965	2,657,996	2,383,194	1,580,720	1,898,367	1,821,402	2,144,795	2,023,514	1,948,991	2,236,526	2,794,159
Block 1 Margin	229,611	229,728	229,728	228,598	228,169	227,507	227,273	227,702	227,351	229,105	229,923	231,521
Block 2 Margin	303,411	303,548	302,119	300,021	299,687	293,711	293,813	290,378	289,553	291,848	301,539	306,588
Block 3 Margin	2,451,480	2,362,458	2,129,056	2,137,054	2,000,914	1,740,598	1,847,479	1,702,687	1,707,849	1,910,549	2,113,612	2,328,979
Block 4 Margin	821,716	807,946	718,722	644,416	427,427	513,318	492,507	579,953	547,158	527,007	604,757	755,540
Billed Margin	\$ 3,806,218	\$ 3,703,680	\$ 3,379,625	\$ 3,310,088	\$ 2,956,196	\$ 2,775,134	\$ 2,861,072	\$ 2,800,719	\$ 2,771,912	\$ 2,958,509	\$ 3,249,831	\$ 3,622,629
Total SC 2-1 Billed Margin	\$ 6,505,691	\$ 6,323,593	\$ 5,753,713	\$ 5,657,551	\$ 4,882,937	\$ 4,583,984	\$ 4,525,713	\$ 4,447,085	\$ 4,372,625	\$ 4,712,766	\$ 5,320,212	\$ 6,003,109
12 Months Total												\$ 63,088,979

The Brooklyn Union Gas Company d/b/a National Grid, NY
Revenue Target - SC2-2 Non Residential Heat
For Rate Year Ending December 31, 2020 (Based on Rate Year Ending December 31, 2019 Rates)

Proposed Rates												
Revenue Target Development Proposal RATE YEAR												
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Block 1*	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700	\$ 38.9700
Block 2	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949	\$ 0.6949
Block 3	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757	\$ 0.5757
Block 4	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837	\$ 0.3837
* includes consolidated billing charge												
Sales Block Distribution												
Minimum Charge	0.4379%	0.4665%	0.6848%	0.7276%	1.8581%	3.2734%	5.9830%	5.6940%	5.8300%	1.9868%	1.0037%	0.6224%
Block 2	10.7771%	11.8437%	16.0423%	16.2300%	26.5068%	30.9048%	40.0230%	36.7100%	38.7833%	24.3253%	17.4512%	14.1272%
Block 3	54.2648%	57.2127%	57.9008%	56.9600%	54.9909%	52.1859%	40.6444%	42.0717%	39.6548%	55.3746%	53.6418%	55.9526%
Block 4	34.5201%	30.6770%	25.3720%	26.0643%	16.6441%	13.6359%	13.3496%	15.5244%	15.7318%	18.3133%	27.9032%	29.2979%
Transport Block Distribution												
Minimum Charge	0.2454%	0.2620%	0.3783%	0.4049%	0.9828%	1.6311%	2.4611%	2.2712%	2.2885%	0.9620%	0.5419%	0.3501%
Block 2	6.4624%	6.9398%	9.8137%	10.0897%	17.5129%	20.2051%	23.9696%	22.3461%	22.2230%	13.6213%	10.6067%	8.5958%
Block 3	54.5508%	55.1397%	60.9289%	60.9143%	60.3393%	66.2945%	59.1266%	55.2797%	56.5338%	60.6417%	58.2099%	57.0433%
Block 4	38.7414%	37.6586%	28.8790%	28.5912%	21.1650%	11.8692%	14.4426%	20.1030%	18.9547%	24.7750%	30.6415%	34.0109%
Rate Case Forecast												
Rate 2-2												
# Meters	27,538	28,184	28,547	28,562	28,353	27,951	27,390	26,869	26,489	26,377	26,574	27,040
Billed Sales (Dth)	1,817,048	1,740,462	1,203,205	1,123,341	407,084	181,691	73,254	73,533	70,841	275,504	671,063	1,227,193
Billed Sales (Th)	18,170,485	17,404,616	12,032,047	11,233,415	4,070,836	1,816,906	732,537	735,328	708,414	2,755,043	6,710,632	12,271,925
	2.89	2.88	2.89	2.86	2.67	2.13	1.60	1.56	1.56	2.08	2.53	2.82
	71.11	71.90	67.62	63.87	38.06	20.09	10.70	10.05	10.37	25.41	44.07	64.12
Minimum Volume	79,576	81,191	82,400	81,737	75,642	59,474	43,828	41,869	41,301	54,738	67,355	76,379
Block 2 Volume	1,958,250	2,026,545	1,930,221	1,824,195	1,079,050	561,512	293,183	269,939	274,747	670,172	1,171,088	1,733,674
Block 3 Volume	9,860,185	9,957,659	6,966,650	6,399,566	2,238,589	948,169	297,735	309,365	280,920	1,525,595	3,599,706	6,866,458
Block 4 Volume	6,272,474	5,339,221	3,052,777	2,927,916	677,554	247,751	97,791	114,155	111,446	504,538	1,872,483	3,595,414
Block 1 Margin	1,073,156	1,098,330	1,112,477	1,113,061	1,104,916	1,089,250	1,067,388	1,047,085	1,032,276	1,027,912	1,035,589	1,053,749
Block 2 Margin	1,360,788	1,408,246	1,341,311	1,267,633	749,832	390,194	203,733	187,581	190,921	465,702	813,789	1,204,730
Block 3 Margin	5,676,508	5,732,624	4,010,700	3,684,220	1,288,756	545,861	171,406	178,101	161,726	878,285	2,072,350	3,953,020
Block 4 Margin	2,406,748	2,048,659	1,171,350	1,123,441	259,978	95,062	37,522	43,801	42,762	193,591	718,472	1,379,560
Billed Margin	\$ 10,517,200	\$ 10,287,860	\$ 7,635,838	\$ 7,188,366	\$ 3,403,482	\$ 2,120,368	\$ 1,480,050	\$ 1,456,568	\$ 1,427,686	\$ 2,565,491	\$ 4,640,200	\$ 7,591,059
Rate T2-2												
# Meters	9,704	9,708	9,710	9,684	9,674	9,662	9,657	9,667	9,661	9,700	9,720	9,758
Billed Sales (Dth)	1,155,850	1,084,678	751,982	701,244	273,920	139,287	72,903	74,317	72,896	206,712	459,965	807,240
Billed Sales (Th)	11,558,498	10,846,776	7,519,823	7,012,440	2,739,204	1,392,866	729,028	743,170	728,957	2,067,124	4,599,652	8,072,400
Minimum Volume	28,360	28,418	28,449	28,392	26,922	22,720	17,942	16,879	16,683	19,887	24,927	28,258
Block 2 Volume	746,955	752,743	737,976	707,531	479,714	251,430	174,745	166,070	161,996	281,568	487,870	693,887
Block 3 Volume	6,305,255	5,980,876	4,581,746	4,271,579	1,652,815	923,395	431,050	410,822	412,107	1,253,539	2,677,455	4,604,761
Block 4 Volume	4,477,927	4,084,739	2,171,652	2,004,939	579,752	165,322	105,291	149,399	138,172	512,130	1,409,400	2,745,494
Block 1 Margin	378,165	378,321	378,399	377,385	376,996	376,528	376,333	376,723	376,489	378,009	378,788	380,269
Block 2 Margin	519,059	523,081	512,819	491,663	333,353	195,566	121,431	115,402	112,571	195,662	339,021	482,182
Block 3 Margin	3,629,936	3,443,190	2,637,711	2,459,148	951,526	531,598	248,155	236,510	237,250	721,662	1,541,411	2,650,961
Block 4 Margin	1,718,181	1,567,314	833,263	769,295	222,451	63,434	40,400	57,325	53,016	196,504	540,787	1,053,446
Billed Margin	\$ 6,245,340	\$ 5,911,906	\$ 4,362,192	\$ 4,097,492	\$ 1,884,326	\$ 1,167,126	\$ 786,319	\$ 785,959	\$ 779,327	\$ 1,491,838	\$ 2,800,007	\$ 4,566,858
Total SC 2-2 Billed Margin	\$ 16,762,541	\$ 16,199,767	\$ 11,998,031	\$ 11,285,858	\$ 5,287,808	\$ 3,287,494	\$ 2,266,369	\$ 2,242,528	\$ 2,207,012	\$ 4,057,328	\$ 7,440,207	\$ 12,157,917
12 Months Total												\$ 95,192,859

The Brooklyn Union Gas Company d/b/a National Grid, NY
Revenue Target - SC 3 Multi Family Buildings
For Rate Year Ending December 31, 2020 (Based on Rate Year Ending December 31, 2019 Rates)

Proposed Rates												
	Revenue Target Development Proposal RATE YEAR											
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Block 1*	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300	\$ 40.9300
Block 2	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404	\$ 0.4404
Block 3	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238	\$ 0.3238
* includes consolidated billing charge												
Sales Block Distribution												
Minimum Charge	0.2202%	0.2335%	0.3260%	0.3457%	0.7550%	1.1883%	1.6451%	1.6349%	1.6421%	0.9225%	0.5041%	0.3108%
Block 2	54.4783%	56.3248%	63.7168%	61.6759%	74.8721%	80.7290%	86.5652%	85.3639%	75.9689%	74.5173%	69.7208%	61.8962%
Block 3	45.3015%	43.4420%	35.9572%	37.9784%	24.3730%	18.0827%	11.7897%	13.0012%	22.3910%	24.5603%	29.7750%	37.7930%
Block 4												
Transport Block Distribution												
Minimum Charge	0.0584%	0.0617%	0.0850%	0.0901%	0.1843%	0.2735%	0.3642%	0.3616%	0.3634%	0.2216%	0.1275%	0.0808%
Block 2	16.7414%	17.2404%	21.5430%	21.4968%	31.3502%	39.1720%	45.7518%	39.5223%	44.2820%	32.1637%	26.8861%	21.0653%
Block 3	83.2002%	82.6978%	78.3720%	78.4131%	68.4655%	60.5545%	53.8841%	60.1160%	55.3546%	67.6147%	72.9864%	78.8538%
Block 4												
Rate Case Forecast												
Rate SC 3												
# Meters	10,613	10,610	10,609	10,609	10,611	10,613	10,617	10,621	10,623	10,625	10,624	10,622
Billed Sales (Dth)	1,449,472	1,364,848	974,227	918,507	421,452	265,275	190,660	191,961	190,773	343,181	633,157	1,027,394
Billed Sales (Th)	14,494,724	13,648,480	9,742,272	9,185,066	4,214,520	2,652,749	1,906,602	1,919,611	1,907,734	3,431,812	6,331,567	10,273,942
	3.01	3.00	2.99	2.99	3.00	2.97	2.95	2.95	2.95	2.98	3.00	3.01
	744.04	724.55	585.11	533.98	297.38	201.78	155.45	154.28	136.43	240.69	415.51	598.68
Minimum Volume	31,922	31,863	31,763	31,749	31,819	31,523	31,365	31,384	31,327	31,658	31,919	31,933
Block 2 Volume	7,896,475	7,687,447	6,207,465	5,664,973	3,155,498	2,141,538	1,650,454	1,638,655	1,449,247	2,557,292	4,414,422	6,359,175
Block 3 Volume	6,566,327	5,929,170	3,503,043	3,488,344	1,027,203	479,687	224,783	249,572	427,160	842,862	1,885,226	3,882,834
Block 4 Volume	-	-	-	-	-	-	-	-	-	-	-	-
Block 1 Margin	434,390	434,267	434,226	434,226	434,308	434,390	434,554	434,718	434,799	434,881	434,840	434,758
Block 2 Margin	3,477,608	3,385,552	2,733,768	2,494,854	1,389,681	943,134	726,860	721,664	638,248	1,126,231	1,944,111	2,800,581
Block 3 Margin	2,126,177	1,919,865	1,134,285	1,129,526	332,608	155,323	72,785	80,812	138,314	272,919	610,436	1,257,262
Block 4 Margin	-	-	-	-	-	-	-	-	-	-	-	-
Billed Margin	\$ 6,038,174	\$ 5,739,684	\$ 4,302,280	\$ 4,058,606	\$ 2,156,598	\$ 1,532,846	\$ 1,234,199	\$ 1,237,193	\$ 1,211,362	\$ 1,834,031	\$ 2,989,388	\$ 4,492,601
Rate SC 3-T												
# Meters	8,711	8,753	8,797	8,839	8,882	8,924	8,966	9,008	9,050	9,092	9,136	9,178
Billed Sales (Dth)	4,510,780	4,278,185	3,114,237	2,959,104	1,449,218	974,931	734,076	741,361	740,974	1,227,688	2,157,751	3,430,872
Billed Sales (Th)	45,107,803	42,781,846	31,142,369	29,591,041	14,492,179	9,749,311	7,340,760	7,413,606	7,409,743	12,276,878	21,577,513	34,306,722
Minimum Volume	26,324	26,417	26,493	26,662	26,716	26,660	26,732	26,811	26,924	27,206	27,515	27,733
Block 2 Volume	7,551,888	7,375,769	6,708,989	6,361,136	4,543,324	3,818,999	3,358,528	2,930,030	3,281,182	3,848,702	5,801,351	7,228,829
Block 3 Volume	37,529,791	35,379,660	24,406,897	23,203,243	9,922,139	5,903,651	3,955,500	4,456,765	4,101,637	8,300,971	15,748,647	27,052,159
Block 1 Margin	356,541	358,260	360,061	361,780	363,540	365,259	366,978	368,697	370,417	372,136	373,936	375,656
Block 2 Margin	3,325,763	3,248,289	2,954,639	2,801,444	2,000,880	1,681,887	1,479,096	1,290,385	1,445,033	1,739,008	2,554,915	3,182,696
Block 3 Margin	12,152,146	11,455,934	7,902,953	7,513,210	3,212,789	1,911,602	1,280,791	1,443,101	1,328,110	2,687,854	5,099,412	8,759,489
Billed Margin	\$ 15,834,451	\$ 15,062,483	\$ 11,217,653	\$ 10,676,435	\$ 5,577,209	\$ 3,958,749	\$ 3,126,865	\$ 3,102,183	\$ 3,143,559	\$ 4,798,998	\$ 8,028,264	\$ 12,317,840
Total SC 3 Billed Margin	\$ 21,872,625	\$ 20,802,167	\$ 15,519,933	\$ 14,735,041	\$ 7,733,807	\$ 5,491,595	\$ 4,361,064	\$ 4,339,376	\$ 4,354,921	\$ 6,633,029	\$ 11,017,651	\$ 16,810,441
12 Months Total												\$ 133,671,651

**The Brooklyn Union Gas Company d/b/a National Grid, NY
Revenue Decoupling Mechanism (Illustrative)
For Rate Year Ending December 31, 2017**

Lines	SC2-1	SC2-2	SC2 Total	SC3
1 Total Base Delivery Revenue	\$ 46,947,413	\$ 70,657,235		\$ 99,643,831
2 Consolidated Billing Charge Revenue	\$ 173,545	\$ 429,603		\$ 217,947
3 Total Delivery Revenue Target for RDM	\$ 47,120,958	\$ 71,086,838		\$ 99,861,778
4 Actual Base Delivery Revenue (Illustrative)	\$ 53,000,000	\$ 81,000,000		\$ 113,750,000
5 Less: Revenue for TC customers that migrate to firm service (Illustrative)	\$ (250,000)	\$ (100,000)		\$ -
6 Plus: Weather Normalization Adjustment (Illustrative)	\$ (100,000)	\$ (500,000)		\$ (250,000)
7 Total Delivery Revenue Including Weather Normalization	\$ 52,650,000	\$ 80,400,000		\$ 113,500,000
8 Target # of Customers (avg open and active meters)	14,757	36,531		18,533
9 Actual # of Customers (avg open and active meters)	14,700	36,550		18,533
10 # of Customers Over/(Under) Target	(57)	19		-
11 Less: Customer migration between SC2-1 and SC2-2	(10)	10		-
12 # of Customers Over/(Under) Target (excluding SC2 migration)	(47)	9		-
13 Average Annual dth Usage for the Class	72	33		144
14 Marginal Delivery Cost - \$ per dth	\$ 1.04	\$ 1.04		\$ 1.04
15 Marginal Delivery Cost per Customer per Year	\$ 1,419.62	\$ 1,419.62		\$ 2,178.00
16 Total Revenue Adjustment per Customer	\$ 1,494.50	\$ 1,453.94		\$ 2,327.76
17 Adjustment to Actual Revenue due to # of customers	\$ -	\$ 13,085		\$ -
18 Adjusted Revenue Collection Difference	\$ (5,529,042)	\$ (9,326,248)	\$ (14,855,290)	\$ (13,638,222)
19 Forecast therms			280,000,000	330,000,000
20 Illustrative RDM \$/Therm Rate for Reconciliation period			\$ (0.05305)	\$ (0.04133)

- 1 Appendix 3, Schedule 8, page 1
- 2 Appendix 3, Schedule 8, page 2
- 3 Line 1 + Line 2
- 4 Actual delivery revenue in RY (excluding low income discount recovery)
- 5 Revenue for Temperature Control customers that migrate to firm service
- 6 Weather Normalization Adjustment billed in RY
- 7 Line 4 + Line 5 + Line 6
- 8 Appendix 3, Schedule 8, page 1
- 9 Actual customers based on open and active meters (illustrative)
- 10 Line 9 - Line 8
- 11 Assumes # of SC2-1 customers decreases by 10 and # of SC2-2 customers increases by 10
- 12 Line 10 - Line 11
- 13 Appendix 3, Schedule 8, page 1
- 14 Appendix 3, Schedule 8, page 1
- 15 Appendix 3, Schedule 8, page 1
- 16 (Line 13 * Line 14) + Line 15
- 17 If Line 12 >0, Line 12 * Line 16
- 18 Line 4 - Line 7 - Line 17
- 19 Forecast therms for reconciliation year (illustrative)
- 20 Line 18 / Line 19

The Brooklyn Union Gas Company d/b/a National Grid NY ("KEDNY")
and
KeySpan Gas East Corporation d/b/a National Grid ("KEDLI") Combined
Allocated Gas Fixed Costs to Firm and TC Sales Service Classes
Illustrative Example - Rate Year 1

	Peak Day		Winter		Annual		Allocated Total		Proposed Unit Rate (\$/dth) %	Average %	
	% Total	Fixed Costs	% Allocator	Fixed Costs	% Allocator	Fixed Costs	Fixed Costs	Annual Deliveries (dth)			
Allocated KEDNY & KEDLI Portfolio Demand Costs	\$	426,504,510	\$	52,443,039	\$	33,012,283	\$	511,959,831			
Firm	98.42%	\$ 419,775,679	89.25%	\$ 46,804,699	88.16%	\$ 29,102,063	\$	495,682,441	\$ 2.16	110%	
High Load Factor	0.78%	\$ 3,339,279	1.70%	\$ 891,095	2.67%	\$ 880,231	\$	5,110,605	\$ 6,926,187	\$ 0.74	37%
Whole Sale NGV	0.16%	\$ 702,541	0.36%	\$ 187,952	0.62%	\$ 203,830	\$	1,094,323	\$ 1,603,855	\$ 0.68	35%
Yr-Round Space Conditioning	0.56%	\$ 2,391,076	0.79%	\$ 413,970	1.08%	\$ 356,190	\$	3,161,235	\$ 2,802,717	\$ 1.13	57%
TC	0.07%	\$ 294,117	7.90%	\$ 4,144,481	7.48%	\$ 2,468,601	\$	6,907,199	\$ 19,424,438	\$ 0.36	18%
Off-Peak	0.00%	\$ 1,819	0.00%	\$ 841	0.00%	\$ 1,368	\$	4,027	\$ 10,761	\$ 0.37	19%
Grand Total	100.00%	\$ 426,504,510	100.00%	\$ 52,443,039	100.00%	\$ 33,012,283	\$	511,959,831	\$ 259,760,493	\$ 1.97	

*This schedule represents an example of the methodology that will be used to allocate fixed gas costs based on forecasted fixed costs for RY1- the actual allocation % and \$/dth rate will be updated each GAC year to reflect the sales forecast and forecasted gas fixed costs

The Brooklyn Union Gas Company d/b/a National Grid NY
Low Income Rate Year 1

KEDNY

Usage Assumption: 109 therms

Residential Heating
Proposed Rates

WINTER					
Proposed	Monthly	Proposed	Monthly	Savings	
Full	Bill	Discount	Bill	per month	
\$ 21.55	\$ 21.55	\$ 11.55	\$ 11.55		
\$ 0.7846	\$ 36.88	\$ 0.4500	\$ 21.15		
\$ 0.2780	\$ 16.40	\$ 0.2322	\$ 13.70		
	\$ 74.83		\$ 46.40	\$ 28.43	

SUMMER					
Proposed	Monthly	Proposed	Monthly	Savings	
Full	Bill	Discount	Bill	per month	
\$ 21.55	\$ 21.55	\$ 11.55	\$ 11.55		
\$ 0.7846	\$ 36.88	\$ 0.7846	\$ 36.88		
\$ 0.2780	\$ 16.40	\$ 0.2780	\$ 16.40		
	\$ 74.83		\$ 64.83	\$ 10.00	\$ 19.00

<u>Residential Heating</u>	Number of	Tiered	Each RY 2 and RY 3
	Customers	Discounts	Budget
Proposed Discount	100,000	\$ 19.00	\$ 22,800,000
	0	\$ 35.00	\$ -
	0	\$ 52.00	\$ -
	100,000		\$ 22,800,000
Residential Non-Heating	52,000	\$ 3.00	\$ 1,872,000
Total Budget assuming Proposed Low Income Order			\$ 24,672,000

The Brooklyn Union Gas Company d/b/a National Grid NY
Low Income Rate Years 2 and 3

Rate Years 2 and 3

<u>Residential Heating</u>	<u>Number of</u>	<u>Tiered</u>		<u>RY 1 Budget</u>
<u>Proposed Discount</u>	<u>Customers</u>	<u>Discounts</u>		
	74,000	\$ 19.00	\$	16,872,000
	15,000	\$ 35.00	\$	6,300,000.00
	11,000	\$ 52.00	\$	<u>6,864,000.00</u>
	100,000		\$	30,036,000
 Residential Non-Heating	 52,000	 \$ 3.00	 \$	 1,872,000
 Total Budget assuming Proposed Low Income Order			 \$	 31,908,000

APPENDIX 4

KEYSPAN GAS EAST CORP DB/IA NATIONAL GRID
Revenue Forecast at current rates as of Rate Year 2
Calendar Year 2018

Class Name	1 Customers	2 Therms (B+UB)	3 Base Delivery Revenue (B+UB)	4 Merchant Function Charge Revenue (B+UB)	5 18-A Assessment Revenue (B+UB)	6 System Benefit Charge Revenue (NYSEEDA) (B+UB)	7 Energy Efficiency Surcharge (B+UB)	8 RDM Reconciliation Collections	9 SIR - Site Investigation and Remediation (B+UB)	10 Leak Probe Pipe (Capital Tracker Recovery)	11 Power Gen Revenue	12 Misc - Other	13 Total Delivery Revenue Col (B+UB) (3-4+5+6+7+8+9- 10-11+12)	14 Commodity Revenue (B+UB)	15 Gross Revenue Taxes (B+UB)	16 Revenue (B+UB)
SC 1A Resi General Sales	57,171	9,036,337	\$15,407,167	\$167,633	\$0	\$53,190	\$67,773	\$0	\$0	\$0	\$0	\$0	\$15,866,752	\$3,804,067	\$367,144	\$19,866,953
SC 1AR Resi General Reduced Rate Sales	609	95,624	\$98,977	\$1,688	\$0	\$576	\$717	\$0	\$0	\$0	\$0	\$0	\$101,939	\$40,184	\$2,068	\$144,812
SC 1A Resi Water Heat Sales	29,297	9,625,904	\$10,244,726	\$167,802	\$0	\$70,008	\$72,191	\$0	\$0	\$0	\$0	\$0	\$10,554,728	\$3,974,817	\$256,958	\$14,786,503
SC 1AR Resi Water Heat Reduced Rate Sales	214	110,450	\$64,802	\$1,927	\$0	\$720	\$828	\$0	\$0	\$0	\$0	\$0	\$68,277	\$46,091	\$1,787	\$116,156
SC 1B Resi Space Heat Sales	386,434	464,068,709	\$301,411,301	\$8,100,775	\$0	\$2,450,546	\$3,480,515	\$0	\$0	\$0	\$0	\$0	\$315,443,130	\$1,066,245	\$7,678,753	\$916,176,134
SC 1BR Resi Space Heat Reduced Rate Sales	10,063	4,408,618	\$1,817,433	\$181,743	\$0	\$56,983	\$70,069	\$0	\$0	\$0	\$0	\$0	\$4,602,413	\$4,406,336	\$9,126,223	\$9,126,223
SC 1BDG Resi Dist Gen Sales	6	8,552	\$3,389	\$149	\$0	\$51	\$64	\$0	\$0	\$0	\$0	\$0	\$3,654	\$3,589	\$94	\$3,654
SC 3B Multi Family Heat Sales	648	14,103,200	\$4,159,939	\$246,008	\$0	\$79,124	\$106,774	\$0	\$0	\$0	\$0	\$0	\$4,990,845	\$5,958,468	\$14,038	\$10,564,251
SC 3A Multi Family Non Heat Sales	28	284,878	\$102,040	\$4,622	\$0	\$1,652	\$1,987	\$0	\$0	\$0	\$0	\$0	\$110,928	\$110,928	\$312	\$221,940
SC 2A Non Resi Water Heat Sales	109	80,452	\$101,312	\$1,494	\$0	\$479,819	\$748,003	\$0	\$0	\$0	\$0	\$0	\$68,469,739	\$31,837	\$2,156	\$10,136,166
SC 2A Non Resi Water Heat Reduced Rate Sales	31,594	99,339,972	\$55,460,557	\$1,731,494	\$0	\$238,886	\$251,770	\$0	\$0	\$0	\$0	\$0	\$46,536,633	\$42,000,916	\$43,156	\$10,485,935
SC 2A Non Resi General Sales	7,311	33,569,372	\$16,460,557	\$585,649	\$0	\$18,882	\$21,770	\$0	\$0	\$0	\$0	\$0	\$13,883,916	\$13,883,916	\$43,156	\$30,465,935
SC 2A Non Resi Water Heat Transport	21	1,941,857	\$291,390	\$33,877	\$0	\$13,923	\$11,092	\$0	\$0	\$0	\$0	\$0	\$368,713	\$773,341	\$1,990	\$1,133,644
SC 15 Vr Round Space Conditioning Sales	12	1,478,960	\$390,464	\$25,798	\$0	\$0	\$11,092	\$0	\$0	\$0	\$0	\$0	\$441,277	\$591,607	\$1,458	\$1,034,343
SC 9 Wholesale NGV Sales	5	318,366	\$225,143	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,143	\$134,585	\$577	\$360,245
SC 5-1A Resi General Transport	4,420	1,200,330	\$1,354,004	\$8,547	\$0	\$7,254	\$9,007	\$0	\$0	\$0	\$0	\$0	\$1,378,811	\$1,378,811	\$32,471	\$1,411,282
SC 5-1AR Resi General Reduced Rate Transport	60	12,715	\$10,605	\$90	\$0	\$68	\$85	\$0	\$0	\$0	\$0	\$0	\$10,858	\$0	\$264	\$11,122
SC 5-1AR Resi Water Heat Reduced Rate Transport	2,691	1,728,813	\$1,202,653	\$12,296	\$0	\$10,884	\$12,966	\$0	\$0	\$0	\$0	\$0	\$1,238,709	\$0	\$30,643	\$1,269,351
SC 5-1AR Resi Water Heat Transport	28	13,915	\$9,215	\$98	\$0	\$89	\$104	\$0	\$0	\$0	\$0	\$0	\$9,506	\$0	\$215	\$9,721
SC 5-1B Resi Space Heat Transport	40,413	56,324,812	\$36,620,469	\$369,740	\$0	\$300,251	\$432,716	\$0	\$0	\$0	\$0	\$0	\$34,170,505	\$0	\$817,968	\$36,988,473
SC 5-2A Non Resi Water Heat Transport	1,221	1,053,669	\$582,928	\$35,728	\$0	\$1,044	\$972	\$0	\$0	\$0	\$0	\$0	\$562,774	\$0	\$15,960	\$578,734
SC 5-2A Non Resi Water Heat Sales	21	83,280	\$40,813	\$592	\$0	\$834	\$925	\$0	\$0	\$0	\$0	\$0	\$42,864	\$0	\$4,962	\$47,826
SC 5-2B Non Resi Water Heat Transport	15,069	111,492,515	\$44,977,845	\$792,544	\$0	\$547,909	\$636,194	\$0	\$0	\$0	\$0	\$0	\$47,154,491	\$0	\$70,247	\$47,224,738
SC 5-3A Multi Family Non Heat Transport	52	830,774	\$10,362,054	\$278,435	\$0	\$220,679	\$293,773	\$0	\$0	\$0	\$0	\$0	\$11,154,941	\$0	\$16,982	\$11,171,923
SC 5-3A Multi Family Non Heat Sales	4,701	68,980,769	\$281,318	\$5,909	\$0	\$5,548	\$6,231	\$0	\$0	\$0	\$0	\$0	\$289,006	\$0	\$435	\$289,440
SC 5-2A Non Resi General Transport	41	8,187,590	\$1,138,007	\$480,489	\$0	\$65,667	\$61,407	\$0	\$0	\$0	\$0	\$0	\$1,323,269	\$0	\$33,269	\$22,327,628
SC 5-15 High Load Factor Transport	43	23,560,046	\$5,068,169	\$167,547	\$0	\$171,450	\$176,700	\$0	\$0	\$0	\$0	\$0	\$5,653,866	\$0	\$8,239	\$5,662,105
SC 5-16 Vr Round Space Conditioning Transport	1	47,889	\$9,201	\$339	\$0	\$93	\$368	\$0	\$0	\$0	\$0	\$0	\$10,291	\$0	\$15	\$10,306
SC 9 Wholesale NGV Transport	14	10,611,200	\$4,900,389	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,990,389	\$160,326	\$7,120	\$4,977,691
SC 12 TC Rate 1 Sales	38	2,607,168	\$2,476,452	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,476,452	\$857,026	\$4,891	\$3,338,069
SC 12 TC Rate 2 Sales	1	26,373	\$24,962	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,962	\$0	\$34	\$24,997
SC 13 TC Rate 1 Transport	2	336,892	\$317,711	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$317,711	\$0	\$438	\$318,149
SC 13 TC Rate 2 Transport	44	2,559,866	\$2,411,635	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,411,635	\$818,296	\$4,467	\$3,234,398
SC 4 Interruptible Sales	3	160,316	\$151,878	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$151,878	\$0	\$209	\$152,087
SC 7 Interruptible Transport	3	33,346,446	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,912,505	\$0	\$1,912,505	\$0	\$2,639	\$1,915,144
SC 7 Small Electric Generator Transport	17	930,342,091	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,741,724	\$0	\$31,741,724	\$0	\$43,004	\$31,785,728
SC 14 Large Electric Generator Transport	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Adjustment to match MFC Revenues to Expense	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
To add back Residential Reduced Rate discounts	0	0	\$3,614,523	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,614,523	\$0	\$78,602	\$3,693,125
Subtotal	595,443	1,937,712,220	\$941,475,753	\$10,596,065	\$0	\$5,318,198	\$7,176,849	\$0	\$0	\$0	\$33,654,229	\$0	\$598,221,095	\$274,740,991	\$9,799,458	\$887,981,680
Edgar Discount																
Rent From Property																
Late Payment Charges																
Other Misc Revenue Fees																
Joint Facilities																
Other Revenue																
Billing Service Fee																
Revenue Total	595,443	1,937,712,220	\$541,475,753	\$10,596,065	\$0	\$5,318,198	\$7,176,849	\$0	\$0	\$0	\$33,654,229	\$21,568,156	\$619,789,251	\$274,740,991	\$9,799,458	\$904,329,699

KEYSPAN GAS EAST CORP DB/A NATIONAL GRID
Revenue Forecast at current rates at Rate Year 2
Calendar Year 2019

Class Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Customers	Therms (B+UB)	Base Delivery Revenue (B+UB)	Merchant Function Charge Revenue (B+UB)	18-A Assessment Revenue (B+UB)	System Benefit Charge Revenue (NYSEERA) (B+UB)	Energy Efficiency Surcharge (B+UB)	RDM Reconciliation Collections	SIR - Site Investigation and Remediation (B+UB)	Leak Probe Pipe/Capital Tracker (Recovery)	Power Gen Revenue	Misc - Other	Total Delivery Revenue Col (B+UB) (3-4+5+6+7+8+9+10+11+12+13)	Commodity Revenue (B+UB)	Gross Revenue Taxes (B+UB)	Revenue (B+UB)
SC 1A Resi General Sales	54,872	8,649,510	\$14,770,032	\$165,323	\$0	\$50,152	\$69,871	\$0	\$0	\$0	\$0	\$0	\$15,049,378	\$3,729,901	\$52,120	\$19,131,407
SC 1AR Resi General Reduced Rate Sales	584	91,520	\$94,908	\$1,644	\$0	\$543	\$686	\$0	\$0	\$0	\$0	\$0	\$159,576	\$39,409	\$2,368	\$159,576
SC 1A Resi Water Heat Sales	28,119	9,213,863	\$9,822,434	\$166,349	\$0	\$66,247	\$69,100	\$0	\$0	\$0	\$0	\$0	\$10,123,130	\$3,892,331	\$246,329	\$14,261,791
SC 1AR Resi Water Heat Reduced Rate Sales	205	105,720	\$62,107	\$1,898	\$0	\$793	\$793	\$0	\$0	\$0	\$0	\$0	\$65,479	\$45,180	\$1,112	\$112,371
SC 1B Resi Space Heat Sales	396,247	471,921,256	\$307,021,738	\$8,478,729	\$0	\$2,449,509	\$3,539,009	\$0	\$0	\$0	\$0	\$0	\$321,489,814	\$204,935,313	\$7,824,226	\$534,249,563
SC 1BR Resi Space Heat Reduced Rate Sales	10,255	10,620,543	\$4,368,174	\$190,845	\$0	\$56,078	\$190,845	\$0	\$0	\$0	\$0	\$0	\$4,694,751	\$4,607,888	\$119,079	\$9,422,518
SC 1BDG Resi Dist Gen Sales	6	8,552	\$3,389	\$252,153	\$0	\$64	\$64	\$0	\$0	\$0	\$0	\$0	\$3,658	\$3,677	\$94	\$4,242
SC 3B Multi Family Heat Sales	648	14,043,960	\$4,142,470	\$252,153	\$0	\$77,232	\$106,330	\$0	\$0	\$0	\$0	\$0	\$4,577,184	\$6,079,390	\$15,080	\$10,671,655
SC 3A Multi Family Non-Heat Sales	28	284,353	\$101,910	\$4,748	\$0	\$1,626	\$1,983	\$0	\$0	\$0	\$0	\$0	\$110,286	\$113,689	\$316	\$223,971
SC 2A Non Resi Water Heat Sales	110	100,826	\$101,634	\$1,454	\$0	\$97	\$97	\$0	\$0	\$0	\$0	\$0	\$104,122	\$107,362	\$137,697	\$211,819
SC 2A Non Resi General Sales	31,714	100,856,010	\$55,564,644	\$8,008,121	\$0	\$478,232	\$759,043	\$0	\$0	\$0	\$0	\$0	\$69,167,612	\$43,782,912	\$1,479,738	\$113,447,262
SC 2A Non Resi General Reduced Rate Sales	7,346	33,868,010	\$16,584,844	\$608,121	\$0	\$236,705	\$253,985	\$0	\$0	\$0	\$0	\$0	\$16,863,465	\$14,359,478	\$43,378	\$31,057,919
SC 15 High Load Factor Sales	21	1,945,241	\$291,895	\$304,943	\$0	\$19,758	\$14,593	\$0	\$0	\$0	\$0	\$0	\$300,189	\$792,468	\$1,154,275	\$1,154,275
SC 16 Yr Round Space Conditioning Sales	12	1,483,397	\$391,351	\$26,637	\$0	\$13,844	\$11,125	\$0	\$0	\$0	\$0	\$0	\$442,957	\$606,803	\$1,481	\$1,051,242
SC 9 Wholesale NGV Sales	5	316,139	\$23,653	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,583	\$137,097	\$518	\$361,189
SC 5-1A Resi General Transport	4,243	1,149,463	\$1,288,788	\$8,454	\$0	\$6,835	\$8,621	\$0	\$0	\$0	\$0	\$0	\$1,322,697	\$1,353,810	\$31,112	\$1,353,810
SC 5-1AR Resi General Reduced Rate Transport	58	12,171	\$10,168	\$89	\$0	\$64	\$91	\$0	\$0	\$0	\$0	\$0	\$10,413	\$0	\$253	\$10,666
SC 5-1A Resi Water Heat Transport	2,583	1,694,751	\$1,152,952	\$12,165	\$0	\$10,288	\$12,411	\$0	\$0	\$0	\$0	\$0	\$1,187,796	\$0	\$29,337	\$1,217,132
SC 5-1AR Resi Water Heat Reduced Rate Transport	41,227	13,223	\$7,873	\$97	\$0	\$84	\$99	\$0	\$0	\$0	\$0	\$0	\$8,154	\$0	\$206	\$8,359
SC 5-1B Resi Space Heat Transport	1,226	57,220,262	\$34,294,416	\$420,771	\$0	\$300,520	\$420,771	\$0	\$0	\$0	\$0	\$0	\$35,650,021	\$0	\$832,744	\$36,482,764
SC 5-1B Resi Space Heat Reduced Rate Transport	1,226	1,226	\$4,748	\$4,748	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,748	\$0	\$0	\$9,496
SC 5-2A Non Resi Water Heat Transport	21	83,930	\$41,076	\$817	\$0	\$834	\$829	\$0	\$0	\$0	\$0	\$0	\$43,166	\$0	\$43,166	\$43,218
SC 5-2B Non Resi Water Heat Reduced Rate Transport	15,141	112,368,206	\$45,279,178	\$925,687	\$0	\$542,607	\$842,782	\$0	\$0	\$0	\$0	\$0	\$47,490,235	\$0	\$17,700	\$47,560,935
SC 5-3A Multi Family Non-Heat Transport	1,133	40,885,107	\$10,620,362	\$300,411	\$0	\$228,878	\$306,638	\$0	\$0	\$0	\$0	\$0	\$11,654,290	\$0	\$443	\$305,133
SC 5-3A Multi Family Heat Transport	54	844,422	\$286,671	\$6,207	\$0	\$5,579	\$6,333	\$0	\$0	\$0	\$0	\$0	\$304,690	\$0	\$443	\$305,133
SC 5-2A Non Resi General Transport	4,724	69,947,770	\$20,990,634	\$514,057	\$0	\$62,417	\$524,608	\$0	\$0	\$0	\$0	\$0	\$22,551,716	\$0	\$33,633	\$22,585,348
SC 5-15 High Load Factor Transport	40	7,994,465	\$1,108,897	\$58,683	\$0	\$63,354	\$59,883	\$0	\$0	\$0	\$0	\$0	\$1,290,918	\$0	\$1,698	\$1,292,616
SC 5-16 Yr Round Space Conditioning Transport	43	23,428,904	\$5,042,011	\$172,217	\$0	\$168,449	\$175,717	\$0	\$0	\$0	\$0	\$0	\$5,658,394	\$0	\$8,196	\$5,666,589
SC 5-17 Dist Gen Transport	1	47,892	\$9,246	\$353	\$0	\$392	\$360	\$0	\$0	\$0	\$0	\$0	\$10,350	\$0	\$15	\$10,365
SC 9 Wholesale NGV Transport	14	10,696,940	\$4,234,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,234,537	\$0	\$7,124	\$4,241,661
SC 12 TC Rate 1 Sales	18	84,716	\$2,514,634	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,514,634	\$0	\$4,689	\$2,519,323
SC 12 TC Rate 2 Sales	38	2,582,010	\$2,514,634	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,514,634	\$0	\$4,689	\$2,519,323
SC 13 TC Rate 1 Transport	1	27,778	\$26,469	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,469	\$0	\$36	\$26,505
SC 13 TC Rate 2 Transport	2	340,514	\$329,286	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$329,286	\$0	\$454	\$329,740
SC 4 Interruptible Sales	43	2,415,921	\$2,334,103	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,334,103	\$812,800	\$4,464	\$3,151,252
SC 7 Interruptible Transport	3	171,255	\$166,292	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$166,292	\$0	\$229	\$166,520
SC 7 Small Electric Generator Transport	3	33,346,446	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,912,505	\$0	\$1,912,505	\$0	\$2,339	\$1,914,844
SC 14 Large Electric Generator Transport	17	930,342,091	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,741,724	\$0	\$31,741,724	\$0	\$43,904	\$31,785,628
Adjustment to match MFC Revenues to Expense	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
To add back Residential Reduced Rate discounts	0	0	\$5,682,159	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,682,159	\$0	\$0	\$5,682,159
Subtotal	600,825	1,950,529,302	\$46,252,003	\$1,116,386	\$0	\$5,298,391	\$7,273,509	\$0	\$0	\$0	\$33,854,229	\$21,909,056	\$605,594,519	\$285,240,959	\$9,941,191	\$922,685,725
Edgar Discount																
Rent From Property																
Late Payment Charges																
Other Misc Revenue Fees																
Joint Facilities																
Other Revenue																
Billing Service Fee																
Revenue Total	600,825	1,950,529,302	\$46,252,003	\$1,116,386	\$0	\$5,298,391	\$7,273,509	\$0	\$0	\$0	\$33,854,229	\$21,909,056	\$627,603,575	\$285,240,959	\$9,941,191	\$922,685,725

KeySpan Gas East Corporation d/b/a National Grid
Reconciliation of Gas Operating Revenue to Base Rate Design

	Rate Year 1	Rate Year 2	Rate Year 3
1 Total Operating Revenue	\$ 994,103	\$ 1,037,351	\$ 1,084,339
<i>Less Misc Revenue recovered outside of base rates:</i>			
2 Purchased Gas Costs	\$ 258,442	\$ 274,741	\$ 285,241
3 Revenue Taxes	\$ 10,849	\$ 11,257	\$ 11,714
4 MFC Revenue	\$ 10,056	\$ 10,596	\$ 11,116
5 Other Retail Revenue	<u>\$ 69,444</u>	<u>\$ 67,717</u>	<u>\$ 68,135</u>
6 Subtotal misc rev recovered outside base rate:	\$ 348,791	\$ 364,311	\$ 376,207
<i>Less Incremental Revenue for increased charges outside of base rates:</i>			
7 Tariff fee updates	\$ 2,713	\$ 2,713	\$ 2,713
8 Billing Service Fee	<u>\$ 2,617</u>	<u>\$ 5,286</u>	<u>\$ 8,001</u>
9 Subtotal incremental revenue	\$ 5,330	\$ 7,999	\$ 10,714
10 Less: Levelization deferral	\$ 28,427	\$ (932)	\$ (29,273)
11 Plus: GRT included in levelization deferral	\$ 310	\$ (10)	\$ (319)
12 Variance due to rounding	\$ (2)	\$ (10)	\$ 7
13 Gas Revenue for Base Delivery Rate Design	<u>\$ 611,863</u>	<u>\$ 665,952</u>	<u>\$ 726,379</u>

- 1 Appendix 2, Schedule 2, Page 1
- 2 Appendix 2, Schedule 2, Page 1
- 3 Appendix 2, Schedule 2, Page 1
- 4 Appendix 4, Schedule 1, Column 4
- 5 Appendix 4, Schedule 1, sum of columns 5-12
- 6 Sum of Lines 2-5
- 7 Incremental revenue from additional tariff fee:
- 8 Incremental revenue from phase in of billing service fee increas
- 9 Line 7 + Line 8
- 10 Appendix 2, Schedule 3, Page 1
- 11 Add back GRT included in the levelization deferral on line 10
- 12 Rounding variances in base rate design
- 13 Appendix 4, Schedule 2 for RY1' Appendix 4, Schedule 3 for RY2 & RY3

KeySpan Gas East Corporation d/b/a National Grid
 Revenue Allocation- Rate Year 1 Distribution Revenue Increase

Line	Service Classification	Revenue at Present Rates	SIR previously in surcharge	(Increase) decrease Other revenue	Unbilled revenue	Revenue at Present Rates Excluding SIR	Revenue at Present Rates with Adjustments Including SIR	Rate Year 1 Revenue	(Increase) decrease	% Change
1										
2	1A	29,747	2,206	(1,377)	(90)	28,280	30,487	33,279	4,999	17.7%
3	1B	339,043	25,389	(7,283)	(2,402)	329,359	354,748	387,568	58,210	17.7%
4	1B-DG	3	0	(0)	(0)	3	4	3	0	2.6%
5	2-1	36,087	2,795	(438)	(32)	35,617	38,412	41,913	6,296	17.7%
6	2-2	100,127	7,773	(1,193)	(293)	98,641	106,414	116,079	17,438	17.7%
7	3 Multi	14,439	1,069	(164)	22	14,297	15,366	16,825	2,528	17.7%
8	9-NGV	5,065	517	(0)	13	5,078	5,595	5,976	898	17.7%
9	15	1,476	110	(1)	(5)	1,470	1,580	1,730	260	17.7%
10	16	5,506	411	(1)	(22)	5,483	5,894	6,451	968	17.7%
11	21-DG	9	1	(0)	(0)	9	10	9	0	1.4%
12	TC-S	2,929	0	(1)	2	2,930	2,930	1,020	(1,910)	(65.2%)
13	TC-T	328	0	(0)	0	328	328	100	(228)	(69.5%)
14	SC-4	2,450	0	(1)	(9)	2,440	2,440	859	(1,581)	(64.8%)
15	SC-7 IT	139	0	(0)	0	139	139	50	(89)	(63.9%)
16		<u>537,347</u>	<u>40,272</u>	<u>(10,458)</u>	<u>(2,816)</u>	<u>524,074</u>	<u>564,346</u>	<u>611,863</u>	<u>87,789</u>	<u>16.8%</u>
17	Rate Year 1 Target Increase		Line 25						87,791	
18	Difference due to rounding								3	
19										
20	Rate Year 1 Target Increase from Appendix 1, Schedule 4, Page 1									
21	Eliminate Increase from Billing Charge at \$1.42								83,575	
22	Phase-in Billing charge								7,745	
23	Less: GRT portion of leveled increase								(2,617)	
24	Plus: Increase associated with Sales Volume Variance								(912)	
25	Distribution Increase								0	
									<u>87,791</u>	
									<u>40,272</u>	
									<u>47,520</u>	
										% change:
										9.1%

Rate Year 1 Target Increase from Appendix 1, Schedule 4, Page 1

Eliminate Increase from Billing Charge at \$1.42

Phase-in Billing charge

Less: GRT portion of leveled increase

Plus: Increase associated with Sales Volume Variance

Distribution Increase

Less SIR surcharge revenue:

% change:

KeySpan Gas East Corporation d/b/a National Grid
Revenue Allocation- Rate Year 2 and Rate Year 3 Distribution Revenue Increase

Line	Service Classification	Rate Year 1 Revenue	Rate Year 2 Revenue	(Increase) decrease	% Change	Rate Year 2 Revenue	Rate Year 3 Revenue	(Increase) decrease	% Change
1									
2	1A	33,279	36,226	2,947	8.9%	36,226	39,517	3,291	9.1%
3	1B	387,568	421,878	34,309	8.9%	421,878	460,218	38,340	9.1%
4	1B-DG	3	3	0	0.0%	3	3	0	0.0%
5	2-1	41,913	45,626	3,712	8.9%	45,626	49,769	4,144	9.1%
6	2-2	116,079	126,357	10,278	8.9%	126,357	137,829	11,472	9.1%
7	3 Multi	16,825	18,315	1,490	8.9%	18,315	19,977	1,662	9.1%
8	9-NGV	5,976	6,506	530	8.9%	6,506	7,097	591	9.1%
9	15	1,730	1,883	153	8.8%	1,883	2,054	171	9.1%
10	16	6,451	7,023	572	8.9%	7,023	7,661	638	9.1%
11	21-DG	9	9	0	0.5%	9	9	0	0.5%
12	TC-S	1,020	1,071	51	5.0%	1,071	1,145	74	6.9%
13	TC-T	100	110	10	9.7%	110	120	11	9.9%
14	SC-4	859	889	30	3.5%	889	915	25	2.8%
15	SC-7 IT	50	56	6	12.0%	56	64	7	13.2%
16		611,863	665,952	54,089	8.8%	665,952	726,379	60,427	9.1%
17	Rate Year 2 Target Increase		Line 26	54,099				60,420	
18	Difference due to rounding			(10)				6	
19									
20	Rate Year 2 Target Increase from Appendix 1, Schedule 4, Page 1			48,953				55,314	
21	Eliminate Increase from Billing Charge at \$1.76			0				0	
22	Phase-in Billing charge			(2,669)				(2,715)	
23	Less: GRT portion of levelized increase			(535)				(603)	
24	Plus: Increase associated with Sales Volume Variance			7,749				9,244	
25	Other reconciling items			601				(820)	
26	Distribution Increase			54,099				60,420	

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 1**

Total Revenue = \$611,862,600

	Current Rates			Note	Proposed Rates		
	Sales	Transport	Total		Sales	Transport	Total
1A							
Cust	89,943	7,397	97,341		89,943	7,397	97,341
Block 1	232,372	22,414	254,787		232,372	22,414	254,787
Block 2	1,017,399	133,195	1,150,594		1,017,399	133,195	1,150,594
Block 3	701,867	151,251	853,118		701,867	151,251	853,118
Billed Deliv (Dth)	1,951,638	306,861	2,258,499		1,951,638	306,861	2,258,499
Tariff Rates							
Block 1	\$ 17.6500	\$ 17.6500		\$ 18.53	\$ 18.53	\$ 18.53	
Block 2	\$ 0.6320	\$ 0.6320		132.215%	\$ 0.8356	\$ 0.8356	
Block 3	\$ 0.1500	\$ 0.1500			\$ 0.1983	\$ 0.1983	
Billed Margin (\$000)							
Block 1	\$ 19,315	\$ 1,589	\$ 20,903		\$ 20,000	\$ 1,645	\$ 21,645
Block 2	\$ 6,430	\$ 842	\$ 7,272		\$ 8,501	\$ 1,113	\$ 9,614
Block 3	\$ 1,053	\$ 227	\$ 1,280		\$ 1,392	\$ 300	\$ 1,692
Billed Delivery Rev	\$26,797	\$2,657	\$29,455		\$29,893	\$3,058	\$32,951
1AR							
Cust	856	92	947		856	92	947
Block 1	2,157	258	2,415		2,157	258	2,415
Block 2	10,360	1,247	11,606		10,360	1,247	11,606
Block 3	9,051	1,272	10,324		9,051	1,272	10,324
Billed Deliv (Dth)	21,568	2,777	24,346		21,568	2,777	24,346
Tariff Rates							
Block 1	\$ 17.6500	\$ 17.6500		Same as 1A	\$ 18.5300	\$ 18.5300	
Block 2	\$ 0.6320	\$ 0.6320		Same as 1A	\$ 0.8356	\$ 0.8356	
Block 3	\$ 0.1500	\$ 0.1500		Same as 1A	\$ 0.1983	\$ 0.1983	
Billed Margin (\$000)							
Block 1	\$ 184	\$ 20	\$ 203		\$ 190	\$ 20	\$ 211
Block 2	\$ 65	\$ 8	\$ 73		\$ 87	\$ 10	\$ 97
Block 3	\$ 14	\$ 2	\$ 15		\$ 18	\$ 3	\$ 20
Billed Delivery Rev	\$ 263	\$ 29	\$ 292		\$ 295	\$ 33	\$ 328
1A&1AR							
Customers	90,799	7,489	98,288		90,799	7,489	98,288
Billed Deliv (Dth)	1,973,206	309,638	2,282,844		1,973,206	309,638	2,282,844
Billed Delivery Rev	\$27,060	\$2,687	\$29,747		\$30,188	\$3,091	\$33,279

KeySpan Gas East Corporation d/b/a National Grid

Proposed Delivery Rates Rate Year 1

Total Revenue = \$611,862,600

	Current Rates		Note	Proposed Rates	
	Sales	Transport		Sales	Transport
1B					
Cust	380,239	39,561		380,239	39,561
Block 1	1,346,283	140,393		1,346,283	140,393
Block 2	16,129,599	1,756,932		16,129,599	1,756,932
Block 3	28,328,491	3,628,888		28,328,491	3,628,888
Billed Deliv (Dth)	45,804,373	5,526,212		45,804,373	5,526,212
					51,330,585
Tariff Rates					
Block 1	\$ 21.6600	\$ 21.6600		\$ 21.66	\$ 21.6600
Block 2	\$ 0.8739	\$ 0.8739	122.210%	\$ 1.0680	\$ 1.0680
Block 3	\$ 0.2000	\$ 0.2000		\$ 0.2444	\$ 0.2444
Billed Margin (\$000)					
Block 1	\$ 100,204	\$ 10,425		\$ 98,832	\$ 10,283
Block 2	\$ 140,957	\$ 15,354		\$ 172,264	\$ 18,764
Block 3	\$ 56,657	\$ 7,258		\$ 69,235	\$ 8,869
Billed Delivery Rev	\$ 297,818	\$ 33,037		\$ 340,331	\$ 37,916
					\$ 378,246
1BR					
Cust	9,841	1,176		9,841	1,176
Block 1	34,822	4,167		34,822	4,167
Block 2	404,504	48,891		404,504	48,891
Block 3	585,846	75,574		585,846	75,574
Billed Deliv (Dth)	1,025,173	128,632		1,025,173	128,632
Disc Blk 2	256,426	30,368		256,426	30,368
Tariff Rates					
Block 1	\$ 21.6600	\$ 21.6600	Same as 1B	\$ 21.6600	\$ 21.6600
Block 2	\$ 0.8739	\$ 0.8739	Same as 1B	\$ 1.0680	\$ 1.0680
Block 3	\$ 0.2000	\$ 0.2000	Same as 1B	\$ 0.2444	\$ 0.2444
Disc Blk 2	\$ 0.8739	\$ 0.8739			
Billed Margin (\$000)					
Block 1	\$ 2,593	\$ 310		\$ 2,558	\$ 306
Block 2	\$ 3,535	\$ 427		\$ 4,320	\$ 522
Block 3	\$ 1,172	\$ 151		\$ 1,432	\$ 185
Billed Delivery Rev	\$ 7,300	\$ 888		\$ 8,310	\$ 1,012
					\$ 9,322
1B&1BR					
Customers	390,079	40,736		390,079	40,736
Billed Deliv (Dth)	46,829,545	5,654,844		46,829,545	5,654,844
Billed Delivery Rev	\$305,118	\$33,925		\$348,640	\$38,928
					\$430,815
					\$52,484,389
					\$52,484,389
					\$387,568

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 1**

Total Revenue = \$611,862,600

	Current Rates		Note	Proposed Rates	
	Sales	Transport Total		Sales	Transport Total
1BDG					
Cust	6	-		6	6
Block 1	72	-		72	72
Block 2	786	-		786	786
Block 3					
Billed Deliv (Dth)	858	-		858	-
Tariff Rates					
Block 1	\$ 33.0400			\$ 33.04	
Block 2	\$ 0.1260			\$ 0.1260	
Billed Margin (\$000)					
Block 1	2	\$ -		2	\$ -
Block 2	1	\$ -		1	\$ -
Billed Delivery Rev	\$ 3	\$ -		\$ 3	\$ -
3					
Cust	675	1,084		675	1,759
Block 1	2,390	3,816		2,390	6,205
Block 2	481,015	925,082		481,015	1,406,097
Block 3	957,270	2,920,572		957,270	3,877,842
Billed Deliv (Dth)	1,440,675	3,849,469		1,440,675	5,290,144
Tariff Rates					
Block 1	\$ 74.6600	\$ 74.6600		\$ 74.66	\$ 74.6600
Block 2	\$ 0.3617	\$ 0.3617	118.741%	\$ 0.4295	\$ 0.4295
Block 3	\$ 0.2000	\$ 0.2000	100.0%	\$ 0.2375	\$ 0.2375
Billed Margin (\$000)					
Block 1	\$ 613	\$ 985		\$ 604	\$ 971
Block 2	\$ 1,740	\$ 3,346		\$ 2,066	\$ 3,973
Block 3	\$ 1,915	\$ 5,841		\$ 2,274	\$ 6,936
Billed Delivery Rev	\$ 4,267	\$ 10,172		\$ 4,944	\$ 11,881
					\$ 16,825

KeySpan Gas East Corporation d/b/a National Grid

Proposed Delivery Rates Rate Year 1

Total Revenue = \$611,862,600

	Current Rates			Note	Proposed Rates		
	Sales	Transport	Total		Sales	Transport	Total
2-A							
Cust	7,385	4,700	12,085		7,385	4,700	12,085
Block 1	22,367	15,780	38,148		22,367	15,780	38,148
Block 2	462,337	409,459	871,795		462,337	409,459	871,795
Block 3	2,170,497	3,875,245	6,045,742		2,170,497	3,875,245	6,045,742
Block 4	695,435	2,527,243	3,222,678		695,435	2,527,243	3,222,678
Billed Deliv (Dth)	3,350,635	6,827,727	10,178,362		3,350,635	6,827,727	10,178,362
Tariff Rates							
Block 1	\$ 37.6600	\$ 37.6600			\$ 37.66	\$ 37.6600	
Block 2	\$ 1.2160	\$ 1.2160		119.319%	\$ 1.4509	\$ 1.4509	
Block 3	\$ 0.2500	\$ 0.2500			\$ 0.2983	\$ 0.2983	
Block 4	\$ 0.1500	\$ 0.1500		100.0%	\$ 0.1790	\$ 0.1790	
Billed Margin (\$000)							
Block 1	\$ 3,384	\$ 2,153	\$ 5,537		\$ 3,337	\$ 2,124	\$ 5,461
Block 2	\$ 5,622	\$ 4,979	\$ 10,601		\$ 6,708	\$ 5,941	\$ 12,649
Block 3	\$ 5,426	\$ 9,688	\$ 15,114		\$ 6,475	\$ 11,560	\$ 18,034
Block 4	\$ 1,043	\$ 3,791	\$ 4,834		\$ 1,245	\$ 4,524	\$ 5,769
Billed Delivery Rev	\$ 15,475	\$ 20,611	\$ 36,087		\$ 17,765	\$ 24,148	\$ 41,913
2-B							
Cust	31,413	14,997	46,410		31,413	14,997	46,410
Block 1	85,818	44,285	130,104		85,818	44,285	130,104
Block 2	1,553,684	924,060	2,477,744		1,553,684	924,060	2,477,744
Block 3	5,726,749	6,224,510	11,951,259		5,726,749	6,224,510	11,951,259
Block 4	2,521,748	3,917,784	6,439,532		2,521,748	3,917,784	6,439,532
Billed Deliv (Dth)	9,887,999	11,110,640	20,998,639		9,887,999	11,110,640	20,998,639
Tariff Rates							
Block 1	\$ 37.6600	\$ 37.6600			\$ 37.66	\$ 37.6600	
Block 2	\$ 1.2160	\$ 1.2160		120.593%	\$ 1.4664	\$ 1.4664	
Block 3	\$ 0.3000	\$ 0.3000			\$ 0.3618	\$ 0.3618	
Block 4	\$ 0.2000	\$ 0.2000		100.0%	\$ 0.2412	\$ 0.2412	
Billed Margin (\$000)							
Block 1	\$ 14,393	\$ 6,872	\$ 21,265		\$ 14,196	\$ 6,778	\$ 20,974
Block 2	\$ 18,893	\$ 11,237	\$ 30,129		\$ 22,783	\$ 13,550	\$ 36,334
Block 3	\$ 17,180	\$ 18,674	\$ 35,854		\$ 20,719	\$ 22,520	\$ 43,240
Block 4	\$ 5,043	\$ 7,836	\$ 12,879		\$ 6,082	\$ 9,450	\$ 15,532
Billed Delivery Rev	\$ 55,510	\$ 44,617	\$ 100,127		\$ 63,781	\$ 52,298	\$ 116,079
2							
Cust	38,798	19,697	58,495		38,798	19,697	58,495
Billed Deliv (Dth)	13,238,634	17,938,367	31,177,001		13,238,634	17,938,367	31,177,001
Billed Delivery Rev	\$70,985	\$65,229	\$136,214		\$81,546	\$76,446	\$157,992

KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 1

Total Revenue = \$611,862,600

	Current Rates		Note	Proposed Rates	
	Sales	Transport		Sales	Transport
15					
Cust	21	43		21	43
Block 1	179	451		179	451
Block 2	193,619	849,537		193,619	849,537
Billed Deliv (Dth)	193,798	849,988		193,798	849,988
Tariff Rates					
Block 1	\$ 153.3500	\$ 153.3500		\$ 153.35	\$ 153.3500
Block 2	\$ 0.1300	\$ 0.1300	\$ 0.1545	\$ 0.1545	\$ 0.1545
Billed Margin (\$000)					
Block 1	\$ 39	\$ 80		\$ 39	\$ 79
Block 2	\$ 252	\$ 1,104		\$ 299	\$ 1,313
Billed Delivery Rev	\$ 291	\$ 1,185		\$ 338	\$ 1,392
16					
Cust	12	43		12	43
Block 1	38	152		38	152
Block 2	6,265	25,129		6,265	25,129
Block 3	141,151	2,350,339		141,151	2,350,339
Billed Deliv (Dth)	147,454	2,375,619		147,454	2,375,619
Tariff Rates					
Block 1	\$ 230.4267	\$ 230.4267		\$ 230.43	\$ 230.4267
Block 2	\$ 1.1753	\$ 1.1753	117.722%	\$ 1.3836	\$ 1.3836
Block 3	\$ 0.2000	\$ 0.2000		\$ 0.2354	\$ 0.2354
Billed Margin (\$000)					
Block 1	\$ 34	\$ 121		\$ 33	\$ 119
Block 2	\$ 74	\$ 295		\$ 87	\$ 348
Block 3	\$ 282	\$ 4,701		\$ 332	\$ 5,533
Billed Delivery Rev	\$ 390	\$ 5,117		\$ 452	\$ 5,999

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 1**

Total Revenue = \$611,862,600

	Current Rates		Note	Proposed Rates	
	Sales	Transport		Sales	Transport
9-NGV	5	14	19	5	14
Cust					
Block 1					
Block 2	32,228	1,054,816	1,087,044	32,228	1,054,816
Billed Deliv (Dth)	32,228	1,054,816	1,087,044	32,228	1,054,816
		69			
Tariff Rates					
Block 1	\$ 38,0000	\$ 38,0000		\$ 38,00	\$ 38,0000
Block 2	\$ 0.7000	\$ 0.4580	0.46519	\$ 0.8260	\$ 0.5405
Billed Margin (\$000)					
Block 1	\$ 2	\$ 6	\$ 9	\$ 2	\$ 6
Block 2	\$ 226	\$ 4,831	\$ 5,057	\$ 266	\$ 5,701
Billed Delivery Rev	\$ 228	\$ 4,838	\$ 5,066	\$ 268	\$ 5,708
17-DG					
Cust	-	1	1	-	1
Block 1	-	12	12	-	12
Block 2	-	4,735	4,735	-	4,735
Billed Deliv (Dth)	-	4,747	4,747	-	4,747
Tariff Rates					
Block 1	\$ 180.6100			\$ 180.61	\$ 180.6100
Block 2	\$ 0.1474			\$ 0.1474	\$ 0.1474
Billed Margin (\$000)					
Block 1	\$ -	\$ 2	\$ 2	\$ -	\$ 2
Block 2	\$ -	\$ 7	\$ 7	\$ -	\$ 7
Billed Delivery Rev	\$ -	\$ 9	\$ 9	\$ -	\$ 9
FS					
Cust	520,394	69,107	589,502	520,394	69,107
Billed Deliv (Dth)	63,856,399	32,037,488	95,893,887	63,856,399	32,037,488
Billed Delivery Rev	\$ 408,342	\$ 123,161	\$ 531,502	\$ 466,380	\$ 143,454

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 1**

Total Revenue = \$611,862,600

	Current Rates		Proposed Rates	
	Sales	Transport	Sales	Transport
12-TC-S				
Cust	55		55	
Billed Deliv (Dth)	321,492		321,492	
Block 1 therms		3		3
Tariff Rates				
Block 1	\$ 154,0000		\$ 375.00	
Block 2 (bef Disc)	\$ 0.2000	Discount- TC	\$ 0.2412	0.0%
Billed Margin (\$000)				
Block 1	\$ 104		\$ 249	\$ 249
Block 2	\$ 639		\$ 771	\$ 771
Billed Delivery Rev	\$ 743		\$ 1,020	\$ 1,020
13-TC-T				
Cust	3		3	
Billed Deliv (Dth)	35,953		35,953	
Block 1 therms		3		3
Tariff Rates				
Block 1-Under	\$ 154,0000		\$ 375,0000	Discount
Block 2 (bef Disc)	\$ 0.2000	Discount	\$ 0.2412	0.0%
Billed Margin (\$000)				
Block 1	\$ 6		\$ 14	\$ 14
Block 2	\$ 72		\$ 86	\$ 86
Billed Delivery Rev	\$ 77		\$ 100	\$ 100

Input

Same as TC-S
Same as SC12

KeySpan Gas East Corporation d/b/a National Grid

Proposed Delivery Rates Rate Year 1

Total Revenue = \$611,862,600

	Current Rates		Note	Proposed Rates	
	Sales	Transport		Sales	Transport
SC-4					
Cust	46	46		46	46
Billed Deliv (Dth)	270,075	270,075		270,075	270,075
Tariff Rates					
Block 1	-				
Block 2 (bef Disc)	\$ 0.2000	Discount 0.0%	Same as TC-S	\$ 375.0000	Discount 0.0%
Billed Margin (\$000)					
Block 1	-	\$ -		\$ 208	\$ 208
Block 2	\$ 540	\$ 540		\$ 651	\$ 651
Billed Delivery Rev	\$ 540	\$ 540		\$ 859	\$ 859
SC-7					
Cust	3	3		3	3
Billed Deliv (Dth)	15,203	15,203		15,203	15,203
Tariff Rates					
Block 1-Under	\$ -	Discount 0.0%	Same as TC-S	\$ 375.0000	Discount 0.0%
Block 2 (bef Disc)	\$ 0.2000	0.0%	Same as SC12	\$ 0.2412	0.0%
Billed Margin (\$000)					
Block 1	-	\$ -		\$ 14	\$ 14
Block 2	\$ 30	\$ 30		\$ 37	\$ 37
Billed Delivery Rev	\$ 30	\$ 30		\$ 50	\$ 50

KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 2

Total Revenue = \$665,952,029

Line	L1 Rates		Note	L2 Rates		Total
	Sales	Transport		Sales	Transport	
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						

1B

Cust 388,434 40,413 428,847
Block 1 1,375,269 143,416 1,518,685
Block 2 16,458,530 1,792,364 18,250,894
Block 3 28,738,673 3,702,634 32,441,308
Billed Deliv (Dth) 46,572,473 5,638,414 52,210,887

Tariff Rates

Block 1 \$ 21,6600 \$ 21,6600
Block 2 \$ 1,0680 \$ 1,0680
Block 3 \$ 0,2444 \$ 0,2444

Billed Margin (\$000)

Block 1 \$ 100,962 \$ 10,504 \$ 111,466
Block 2 \$ 175,777 \$ 19,142 \$ 194,920
Block 3 \$ 70,237 \$ 9,049 \$ 79,287
Billed Delivery Rev \$ 346,976 \$ 38,696 \$ 385,672

1BR

Cust 10,053 1,201 11,254
Block 1 35,572 4,256 39,828
Block 2 412,590 49,841 462,431
Block 3 596,781 76,892 673,673
Billed Deliv (Dth) 1,044,943 130,989 1,175,932
Disc Blk 2 261,910 31,013

Tariff Rates

Block 1 \$ 21,6600 \$ 21,6600
Block 2 \$ 1,0680 \$ 1,0680
Block 3 \$ 0,2444 \$ 0,2444

Billed Margin (\$000)

Block 1 \$ 2,613 \$ 312 \$ 2,925
Block 2 \$ 4,406 \$ 532 \$ 4,939
Block 3 \$ 1,459 \$ 188 \$ 1,646
Billed Delivery Rev \$ 8,478 \$ 1,032 \$ 9,510

1B&1BR

Customers 398,487 41,614 440,101
Billed Deliv (Dth) 47,617,416 5,769,403 53,386,819
Billed Delivery Rev \$355,454 \$39,728 \$395,182

KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 2

Total Revenue = \$665,952,029

Line	L1 Rates			Note	L2 Rates		
	Sales	Transport	Total		Sales	Transport	Total
79							
80		6	6		6	-	6
81		72	72		72	-	72
82		786	786		786	-	786
83							
84	Billed Deliv (Dth)	858	858		858	-	858
85							
86	Tariff Rates						
87	Block 1	\$ 33.0400			\$ 33.04		
88	Block 2	\$ 0.1260			\$ 0.1260		
89							
90	Billed Margin (\$000)						
91	Block 1	\$ 2	\$ -		\$ 2	\$ -	\$ 2
92	Block 2	\$ 1	\$ -		\$ 1	\$ -	\$ 1
93	Billed Delivery Rev	\$ 3	\$ -		\$ 3	\$ -	\$ 3
94							
95							
96	Cust	676	1,134		676	1,134	1,810
97	Block 1	2,394	3,991		2,394	3,991	6,385
98	Block 2	480,958	966,344		480,958	966,344	1,447,301
99	Block 3	958,842	3,043,528		958,842	3,043,528	4,002,370
100	Billed Deliv (Dth)	1,442,193	4,013,863		1,442,193	4,013,863	5,456,056
101							
102	Tariff Rates						
103	Block 1	\$ 74.6600	\$ 74.6600		\$ 74.66	\$ 74.6600	
104	Block 2	\$ 0.4295	\$ 0.4295	1.061786053	\$ 0.4560	\$ 0.4560	
105	Block 3	\$ 0.2375	\$ 0.2375	100.0%	\$ 0.2522	\$ 0.2522	
106							
107	Billed Margin (\$000)						
108	Block 1	\$ 605	\$ 1,016		\$ 605	\$ 1,016	\$ 1,621
109	Block 2	\$ 2,066	\$ 4,150		\$ 2,193	\$ 4,407	\$ 6,600
110	Block 3	\$ 2,277	\$ 7,228		\$ 2,418	\$ 7,676	\$ 10,094
111	Billed Delivery Rev	\$ 4,948	\$ 12,395		\$ 5,217	\$ 13,098	\$ 18,315
112							
113							

KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 2

Total Revenue = \$665,952,029

Line	L1 Rates			Note	L2 Rates		
	Sales	Transport	Total		Sales	Transport	Total
158							
159		21	41		21	41	62
160		179	431		179	431	610
161		194,007	819,907		194,007	819,907	1,013,914
162		194,186	820,338		194,186	820,338	1,014,523
163							
164							
165		153.3500	153.3500		153.35	153.3500	
166		0.1545	0.1545	0.174409913	0.1744	0.1744	
167							
168							
169		39	76		39	76	114
170		300	1,267		338	1,430	1,768
171		338	1,343		377	1,506	1,883
172							
173							
174		12	43		12	43	55
175		38	152		38	152	190
176		6,265	25,129		6,265	25,129	31,394
177		141,593	2,337,102		141,593	2,337,102	2,478,695
178		147,896	2,362,383		147,896	2,362,383	2,510,279
179							
180							
181		230.4267	230.4267		230.43	230.4267	
182		1.3836	1.3836	1.095931387	1.5163	1.5163	
183		0.2354	0.2354		0.2580	0.2580	
184							
185							
186		33	119		33	119	152
187		87	348		95	381	476
188		333	5,502		365	6,030	6,395
189		453	5,968		493	6,530	7,023
190							
191							

KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 2

Total Revenue = \$665,952,029

Line	L1 Rates			Note	L2 Rates		
	Sales	Transport	Total		Sales	Transport	Total
192	5	14	19		5	14	19
193							
194	32,003	1,063,254	1,095,257		32,003	1,063,254	1,095,257
195	32,003	1,063,254	1,095,257		32,003	1,063,254	1,095,257
196		69					
197							
198	\$ 38,000	\$ 38,000			\$ 38,00	\$ 38,000	
199	\$ 0.8260	\$ 0.5405	0.54884	108.08%	\$ 0.8927	\$ 0.5842	
200							
201							
202	\$ 2	\$ 6	\$ 9		\$ 2	\$ 6	\$ 9
203	\$ 264	\$ 5,747	\$ 6,011		\$ 286	\$ 6,212	\$ 6,497
204	\$ 267	\$ 5,753	\$ 6,020		\$ 288	\$ 6,218	\$ 6,506
205							
206							
207	-	1	1		-	1	1
208	-	12	12		-	12	12
209	-	4,765	4,765		-	4,765	4,765
210	-	4,777	4,777		-	4,777	4,777
211							
212							
213	\$ 180.6100	\$ 180.6100			\$ 180.61	\$ 180.6100	
214	\$ 0.1474	\$ 0.1474			\$ 0.1474	\$ 0.1474	
215							
216							
217	\$ -	\$ 2	\$ 2		\$ -	\$ 2	\$ 2
218	\$ -	\$ 7	\$ 7		\$ -	\$ 7	\$ 7
219	\$ -	\$ 9	\$ 9		\$ -	\$ 9	\$ 9
220							
221							
222	525,480	69,838	595,319		525,480	69,838	595,319
223	64,673,908	32,450,575	97,124,483		64,673,908	32,450,575	97,124,483
224	\$ 472,523	\$ 145,231	\$ 617,754		\$ 506,879	\$ 156,947	\$ 663,826
225							

9-NGV

17-DG

FS

KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 2

Total Revenue = \$665,952,029

Line	L1 Rates			Note	L2 Rates		
	Sales	Transport	Total		Sales	Transport	Total
226	55		55		55		55
227	311,889		311,889		311,889		311,889
228							
229							
230							
231	\$ 375.0000				\$ 375.00		
232	\$ 0.2412	Discount- TC	0.0%	Input	\$ 0.2652		0.0%
233							
234							
235	\$ 249		\$ 249		\$ 249		\$ 249
236	\$ 747		\$ 747		\$ 822		\$ 822
237	\$ 996		\$ 996		\$ 1,071		\$ 1,071
238							
239		3	3			3	3
240		36,370	36,370			36,370	36,370
241							
242							
243							
244							
245	\$ 375.0000	Discount	0.0%	Same as TC-S	\$ 375.0000	Discount	0.0%
246	\$ 0.2412			Same as SC12	\$ 0.2652		
247							
248	\$ 14		\$ 14		\$ 14		\$ 14
249	\$ 87		\$ 87		\$ 96		\$ 96
250	\$ 101		\$ 101		\$ 110		\$ 110
251							

KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 2

Total Revenue = \$665,952,029

Line	L1 Rates		Total	Note	L2 Rates		Total
	Sales	Transport			Sales	Transport	
252	46	46	46		46	46	
253	257,051	257,051	257,051		257,051	257,051	
254							
255							
256	\$ 375.0000	Discount		Same as TC-S	\$ 375.0000		Discount
257	\$ 0.2412	0.0%		Same as SC12	\$ 0.2652		0.0%
258							
259							
260	\$ 208	\$ 208	\$ 208		\$ 208	\$ 208	
261	\$ 620	\$ 620	\$ 682		\$ 682	\$ 682	
262	\$ 828	\$ 828	\$ 889		\$ 889	\$ 889	
263							
264		3	3			3	
265	16,091	16,091	16,091		16,091	16,091	
266							
267							
268	\$ 375.0000	Discount		Same as TC-S	\$ 375.0000		Discount
269	\$ 0.2412	0.0%		Same as SC12	\$ 0.2652		0.0%
270							
271							
272	\$ 14	\$ 14	\$ 14		\$ 14	\$ 14	
273	\$ 39	\$ 39	\$ 39		\$ 43	\$ 43	
274	\$ 52	\$ 52	\$ 52		\$ 56	\$ 56	
275							

SC-4

SC-7

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 3**

Total Revenue = \$726,378,529

	L2 Rates			Note	L3 Rates		
	Sales	Transport	Total		Sales	Transport	Total
1A							
Cust	82,991	6,826	89,817		82,991	6,826	89,817
Block 1	214,191	20,668	234,859		214,191	20,668	234,859
Block 2	934,942	122,446	1,057,388		934,942	122,446	1,057,388
Block 3	642,228	138,558	780,785		642,228	138,558	780,785
Billed Deliv (Dth)	1,791,360	281,672	2,073,032		1,791,360	281,672	2,073,032
Tariff Rates							
Block 1	\$ 18,5300	\$ 18,5300		\$ 19.75	\$ 19,75	\$ 19,7500	
Block 2	\$ 1,1604	\$ 1,1604		1.237029516	\$ 1,4354	\$ 1,4354	
Block 3	\$ 0,2754	\$ 0,2754			\$ 0,3407	\$ 0,3407	
Billed Margin (\$000)							
Block 1	\$ 18,454	\$ 1,518	\$ 19,972		\$ 19,669	\$ 1,618	\$ 21,287
Block 2	\$ 10,849	\$ 1,421	\$ 12,270		\$ 13,420	\$ 1,758	\$ 15,178
Block 3	\$ 1,769	\$ 382	\$ 2,150		\$ 2,188	\$ 472	\$ 2,660
Billed Delivery Rev	\$31,072	\$3,320	\$34,392		\$35,277	\$3,847	\$39,124
1AR							
Cust	789	84	874		789	84	874
Block 1	1,988	238	2,226		1,988	238	2,226
Block 2	9,522	1,146	10,668		9,522	1,146	10,668
Block 3	8,287	1,166	9,453		8,287	1,166	9,453
Billed Deliv (Dth)	19,797	2,550	22,347		19,797	2,550	22,347
Tariff Rates							
Block 1	\$ 18,5300	\$ 18,5300		Same as 1A	\$ 19,7500	\$ 19,7500	
Block 2	\$ 1,1604	\$ 1,1604		Same as 1A	\$ 1,4354	\$ 1,4354	
Block 3	\$ 0,2754	\$ 0,2754		Same as 1A	\$ 0,3407	\$ 0,3407	
Billed Margin (\$000)							
Block 1	\$ 176	\$ 19	\$ 194		\$ 187	\$ 20	\$ 207
Block 2	\$ 110	\$ 13	\$ 124		\$ 137	\$ 16	\$ 153
Block 3	\$ 23	\$ 3	\$ 26		\$ 28	\$ 4	\$ 32
Billed Delivery Rev	\$ 309	\$ 35	\$ 344		\$ 352	\$ 40	\$ 392
1A&1AR							
Customers	83,781	6,910	90,691		83,781	6,910	90,691
Billed Deliv (Dth)	1,811,158	284,221	2,095,379		1,811,158	284,221	2,095,379
Billed Delivery Rev	\$31,381	\$3,355	\$34,736		\$35,629	\$3,888	\$39,517

**KeySpan Gas East Corporation d/b/a National Grid
 Proposed Delivery Rates Rate Year 3**

Total Revenue = \$726,378,529

	L2 Rates		Note	L3 Rates	
	Sales	Transport		Sales	Transport
1B					
Cust	396,247	41,226		396,247	41,226
Block 1	1,402,881	146,297		1,402,881	146,297
Block 2	16,758,499	1,825,288		16,758,499	1,825,288
Block 3	29,195,078	3,773,266		29,195,078	3,773,266
Billed Deliv (Dth)	47,356,459	5,744,851		47,356,459	5,744,851
					53,101,310

Tariff Rates					
Block 1	\$ 21,660	\$ 21,660		\$ 21,66	\$ 21,660
Block 2	\$ 1,1696	\$ 1,1696	1.097727751	\$ 1,2839	\$ 1,2839
Block 3	\$ 0,2676	\$ 0,2676		\$ 0,2938	\$ 0,2938
Billed Margin (\$000)					
Block 1	\$ 102,992	\$ 10,715		\$ 102,992	\$ 10,715
Block 2	\$ 196,007	\$ 21,349		\$ 215,162	\$ 23,435
Block 3	\$ 78,126	\$ 10,097		\$ 85,775	\$ 11,086
Billed Delivery Rev	\$ 377,126	\$ 42,161		\$ 403,930	\$ 45,236
					\$ 449,166

1BR					
Cust	10,255	1,225		10,255	1,225
Block 1	36,286	4,342		36,286	4,342
Block 2	420,165	50,791		420,165	50,791
Block 3	609,601	78,494		609,601	78,494
Billed Deliv (Dth)	1,066,052	133,627		1,066,052	133,627
	267,239	31,643		267,239	31,643
Disc Blk 2					
Tariff Rates					
Block 1	\$ 21,660	\$ 21,660	Same as 1B	\$ 21,660	\$ 21,660
Block 2	\$ 1,1696	\$ 1,1696	Same as 1B	\$ 1,2839	\$ 1,2839
Block 3	\$ 0,2676	\$ 0,2676	Same as 1B	\$ 0,2938	\$ 0,2938
Billed Margin (\$000)					
Block 1	\$ 2,665	\$ 318		\$ 2,665	\$ 318
Block 2	\$ 4,914	\$ 594		\$ 5,394	\$ 652
Block 3	\$ 1,631	\$ 210		\$ 1,791	\$ 231
Billed Delivery Rev	\$ 9,211	\$ 1,122		\$ 9,851	\$ 1,201
					\$ 11,052

1B&1BR					
Customers	406,501	42,451		406,501	42,451
Billed Deliv (Dth)	48,422,511	5,878,478		48,422,511	5,878,478
Billed Delivery Rev	\$386,337	\$43,284		\$413,781	\$46,437
					\$460,218

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 3**

Total Revenue = \$726,378,529

	L2 Rates		Note	L3 Rates	
	Sales	Transport		Sales	Transport
1BDG					
Cust	6	-		6	6
Block 1	72	-		72	72
Block 2	786	-		786	786
Block 3					
Billed Deliv (Dth)	858	-		858	-
					858
Tariff Rates					
Block 1	\$ 33.0400	\$ 33.0400		\$ 33.04	\$ 33.0400
Block 2	\$ 0.1260	\$ 0.1260		\$ 0.1260	\$ 0.1260
Billed Margin (\$000)					
Block 1	\$ 2	\$ -		\$ 2	\$ -
Block 2	\$ 1	\$ -		\$ 1	\$ -
Billed Delivery Rev	\$ 3	\$ -		\$ 3	\$ -

3					
Cust	674	1,187		674	1,187
Block 1	2,387	4,177		2,387	4,177
Block 2	478,542	1,009,987		478,542	1,009,987
Block 3	955,246	3,172,502		955,246	3,172,502
Billed Deliv (Dth)	1,436,175	4,186,666		1,436,175	4,186,666
					5,622,841
Tariff Rates					
Block 1	\$ 74.6600	\$ 74.6600		\$ 74.66	\$ 74.6600
Block 2	\$ 0.4560	\$ 0.4560	1.064773931	\$ 0.4855	\$ 0.4855
Block 3	\$ 0.2522	\$ 0.2522	100.0%	\$ 0.2685	\$ 0.2685
Billed Margin (\$000)					
Block 1	\$ 604	\$ 1,063		\$ 604	\$ 1,063
Block 2	\$ 2,182	\$ 4,606		\$ 2,323	\$ 4,903
Block 3	\$ 2,409	\$ 8,001		\$ 2,565	\$ 8,518
Billed Delivery Rev	\$ 5,195	\$ 13,670		\$ 5,492	\$ 14,485
					19,977

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 3**

Total Revenue = \$726,378,529

	L2 Rates			Note	L3 Rates		
	Sales	Transport	Total		Sales	Transport	Total
15							
Cust	21	40	61		21	40	61
Block 1	179	416	595		179	416	595
Block 2	194,395	799,597	993,992		194,395	799,597	993,992
Billed Deliv (Dth)	194,574	800,013	994,587		194,574	800,013	994,587
Tariff Rates							
Block 1	\$ 153.3500	\$ 153.3500			\$ 153.35	\$ 153.3500	
Block 2	\$ 0.1744	\$ 0.1744		0.19536368	\$ 0.1954	\$ 0.1954	
Billed Margin (\$000)							
Block 1	\$ 39	\$ 73	\$ 112		\$ 39	\$ 73	\$ 112
Block 2	\$ 339	\$ 1,394	\$ 1,734		\$ 380	\$ 1,562	\$ 1,942
Billed Delivery Rev	\$ 378	\$ 1,468	\$ 1,845		\$ 418	\$ 1,636	\$ 2,054
16							
Cust	12	43	55		12	43	55
Block 1	38	152	190		38	152	190
Block 2	6,265	25,129	31,394		6,265	25,129	31,394
Block 3	142,037	2,323,939	2,465,976		142,037	2,323,939	2,465,976
Billed Deliv (Dth)	148,340	2,349,219	2,497,559		148,340	2,349,219	2,497,559
Tariff Rates							
Block 1	\$ 230.4267	\$ 230.4267			\$ 230.43	\$ 230.4267	
Block 2	\$ 1.5163	\$ 1.5163		1.098098532	\$ 1.6650	\$ 1.6650	
Block 3	\$ 0.2580	\$ 0.2580			\$ 0.2833	\$ 0.2833	
Billed Margin (\$000)							
Block 1	\$ 33	\$ 119	\$ 152		\$ 33	\$ 119	\$ 152
Block 2	\$ 95	\$ 381	\$ 476		\$ 104	\$ 418	\$ 523
Block 3	\$ 366	\$ 5,996	\$ 6,362		\$ 402	\$ 6,584	\$ 6,986
Billed Delivery Rev	\$ 495	\$ 6,496	\$ 6,990		\$ 540	\$ 7,121	\$ 7,661

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 3**

Total Revenue = \$726,378,529

	L2 Rates			Note	L3 Rates		
	Sales	Transport	Total		Sales	Transport	Total
9-NGV	5	14	19		5	14	19
Cust							
Block 1							
Block 2	31,779	1,071,760	1,103,539		31,779	1,071,760	1,103,539
Billed Deliv (Dth)	31,779	1,071,760	1,103,539		31,779	1,071,760	1,103,539
	69						
Tariff Rates							
Block 1	\$ 38,0000	\$ 38,0000			\$ 38,00	\$ 38,0000	
Block 2	\$ 0.8927	\$ 0.5842	\$ 0.5931	1.083014994	\$ 0.9668	\$ 0.6327	
Billed Margin (\$000)							
Block 1	\$ 2	\$ 6	\$ 9		\$ 2	\$ 6	\$ 9
Block 2	\$ 284	\$ 6,261	\$ 6,545		\$ 307	\$ 6,781	\$ 7,088
Billed Delivery Rev	\$ 286	\$ 6,268	\$ 6,554		\$ 310	\$ 6,787	\$ 7,097
17-DG							
Cust	-	1	1		-	1	1
Block 1	-	12	12		-	12	12
Block 2	-	4,795	4,795		-	4,795	4,795
Billed Deliv (Dth)	-	4,807	4,807		-	4,807	4,807
Tariff Rates							
Block 1	\$ 180.6100	\$ 180.6100			\$ 180.61	\$ 180.6100	
Block 2	\$ 0.1474	\$ 0.1474			\$ 0.1474	\$ 0.1474	
Billed Margin (\$000)							
Block 1	\$ -	\$ 2	\$ 2		\$ -	\$ 2	\$ 2
Block 2	\$ -	\$ 7	\$ 7		\$ -	\$ 7	\$ 7
Billed Delivery Rev	\$ -	\$ 9	\$ 9		\$ -	\$ 9	\$ 9
FS							
Cust	530,170	70,532	600,702		530,170	70,532	600,702
Billed Deliv (Dth)	65,541,290	32,877,686	98,418,977		65,541,290	32,877,686	98,418,977
Billed Delivery Rev	\$ 513,131	\$ 158,873	\$ 672,004		\$ 552,174	\$ 171,961	\$ 724,135

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 3**

Total Revenue = \$726,378,529

	L2 Rates		Note	L3 Rates	
	Sales	Transport		Sales	Transport
12-TC-S					
Cust	55	55		55	55
Billed Deliv (Dth)	309,339	309,339		309,339	309,339
Block 1 therms	3	3		3	3
Tariff Rates					
Block 1	\$ 375.0000			\$ 375.00	
Block 2 (bef Disc)	\$ 0.2652	Discount- TC	Input	\$ 0.2914	0.0%
Billed Margin (\$000)					
Block 1	\$ 249			\$ 249	\$ 249
Block 2	\$ 815			\$ 896	\$ 896
Billed Delivery Rev	\$ 1,064			\$ 1,145	\$ 1,145
13-TC-T					
Cust	3	3		3	3
Billed Deliv (Dth)	36,822	36,822		36,822	36,822
Block 1 therms	3	3		3	3
Tariff Rates					
Block 1-Under	\$ 375.0000	Discount	Same as TC-S	\$ 375.0000	Discount
Block 2 (bef Disc)	\$ 0.2652	0.0%	Same as SC12	\$ 0.2914	0.0%
Billed Margin (\$000)					
Block 1	\$ 14	\$ 14		\$ 14	\$ 14
Block 2	\$ 97	\$ 97		\$ 107	\$ 107
Billed Delivery Rev	\$ 111	\$ 111		\$ 120	\$ 120
SC-4					
Cust	46	46		46	46
Billed Deliv (Dth)	242,638	242,638		242,638	242,638
Tariff Rates					
Block 1	\$ 375.0000	Discount	Same as TC-S	\$ 375.0000	Discount
Block 2 (bef Disc)	\$ 0.2652	0.0%	Same as SC12	\$ 0.2914	0.0%

**KeySpan Gas East Corporation d/b/a National Grid
Proposed Delivery Rates Rate Year 3**

Total Revenue = \$726,378,529

	L2 Rates		Note	L3 Rates	
	Sales	Transport Total		Sales	Transport Total
Billed Margin (\$000)					
Block 1	\$ 208	\$ 208		\$ 208	\$ 208
Block 2	\$ 643	\$ 643		\$ 707	\$ 707
Billed Delivery Rev	\$ 851	\$ 851		\$ 915	\$ 915
Cust	3	3		3	3
Billed Deliv (Dth)	17,184	17,184		17,184	17,184
Tariff Rates					
Block 1-Under	\$ 375.0000	Discount	Same as TC-S	\$ 375.0000	Discount
Block 2 (bef Disc)	\$ 0.2652	0.0%	Same as SC12	\$ 0.2914	0.0%
Billed Margin (\$000)					
Block 1	\$ 14	\$ 14		\$ 14	\$ 14
Block 2	\$ 46	\$ 46		\$ 50	\$ 50
Billed Delivery Rev	\$ 59	\$ 59		\$ 64	\$ 64

SC-7

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1A - Residential Non Heat

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$18.91	\$20.19	\$1.28	6.77%	\$0.00	\$0.00	\$0.00	0.00%	\$18.91	\$20.19	\$1.28	6.77%
3	\$19.25	\$20.21	\$0.97	5.03%	\$1.30	\$1.27	-\$0.03	-2.46%	\$20.55	\$21.49	\$0.94	4.55%
5	\$20.78	\$21.96	\$1.18	5.68%	\$2.17	\$2.12	-\$0.05	-2.46%	\$22.95	\$24.08	\$1.13	4.91%
7	\$22.31	\$23.70	\$1.39	6.24%	\$3.04	\$2.97	-\$0.07	-2.46%	\$25.36	\$26.67	\$1.32	5.19%
10	\$24.61	\$26.32	\$1.71	6.95%	\$4.35	\$4.24	-\$0.11	-2.46%	\$28.96	\$30.56	\$1.60	5.53%
15	\$28.44	\$30.68	\$2.24	7.88%	\$6.52	\$6.36	-\$0.16	-2.46%	\$34.96	\$37.04	\$2.08	5.95%
Typical	\$32.27	\$35.04	\$2.77	8.58%	\$8.70	\$8.49	-\$0.21	-2.46%	\$40.97	\$43.53	\$2.56	6.24%
25	\$36.10	\$39.40	\$3.30	9.14%	\$10.87	\$10.61	-\$0.27	-2.46%	\$46.98	\$50.01	\$3.03	6.46%
30	\$39.93	\$43.76	\$3.83	9.59%	\$13.05	\$12.73	-\$0.32	-2.46%	\$52.98	\$56.49	\$3.51	6.62%
35	\$43.76	\$48.12	\$4.36	9.96%	\$15.22	\$14.85	-\$0.37	-2.46%	\$58.99	\$62.97	\$3.99	6.76%
40	\$47.59	\$52.48	\$4.89	10.28%	\$17.40	\$16.97	-\$0.43	-2.46%	\$64.99	\$69.46	\$4.46	6.87%
45	\$51.42	\$56.85	\$5.42	10.54%	\$19.57	\$19.09	-\$0.48	-2.46%	\$71.00	\$75.94	\$4.94	6.96%
50	\$55.26	\$61.21	\$5.95	10.77%	\$21.75	\$21.21	-\$0.54	-2.46%	\$77.00	\$82.42	\$5.42	7.03%
55	\$56.60	\$62.28	\$5.68	10.03%	\$23.92	\$23.34	-\$0.59	-2.46%	\$80.52	\$85.61	\$5.09	6.32%
60	\$57.94	\$63.35	\$5.41	9.33%	\$26.10	\$25.46	-\$0.64	-2.46%	\$84.04	\$88.80	\$4.77	5.67%
65	\$59.28	\$64.42	\$5.14	8.66%	\$28.27	\$27.58	-\$0.70	-2.46%	\$87.56	\$92.00	\$4.44	5.07%
70	\$60.63	\$65.49	\$4.86	8.02%	\$30.45	\$29.70	-\$0.75	-2.46%	\$91.07	\$95.19	\$4.12	4.52%
75	\$61.97	\$66.56	\$4.59	7.41%	\$32.62	\$31.82	-\$0.80	-2.46%	\$94.59	\$98.38	\$3.79	4.01%
80	\$63.31	\$67.63	\$4.32	6.83%	\$34.80	\$33.94	-\$0.86	-2.46%	\$98.11	\$101.57	\$3.46	3.53%
85	\$64.65	\$68.70	\$4.05	6.26%	\$36.97	\$36.06	-\$0.91	-2.46%	\$101.63	\$104.77	\$3.14	3.09%
90	\$65.99	\$69.77	\$3.78	5.72%	\$39.15	\$38.19	-\$0.96	-2.46%	\$105.14	\$107.96	\$2.81	2.68%
100	\$68.68	\$71.91	\$3.23	4.71%	\$43.50	\$42.43	-\$1.07	-2.46%	\$112.18	\$114.34	\$2.16	1.93%
Current					Proposed				Difference	Change		
First 3 or Less			\$17.66				\$18.53		\$0.87	4.93%		
Next 47 Therms per Therm			\$0.632000				\$0.835600		\$0.204	32.22%		
Over 50 Therms per Therm			\$0.150000				\$0.198300		\$0.048	32.20%		
Billing & Payment Processing			\$0.650000				\$1.020000		\$0.370	56.92%		
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0.100917				\$0.000000		(\$0.101)	-100.00%		
Incremental State Assessment Surcharge			\$0.000000				\$0.000000		\$0.000	0.00%		
Leak Prone Pipe Surcharge			\$0.000000				\$0.000000		\$0.000	0.00%		
System Benefits Charge			\$0.001600				\$0.001600		\$0.000	0.00%		
Energy Efficiency Surcharge			\$0.007500				\$0.007500		\$0.000	0.00%		
Monthly Cost of Gas			\$0.410598				\$0.405692		(\$0.005)	-1.19%		
Merchant Function Charge			\$0.019370				\$0.013697		(\$0.006)	-29.29%		
GRT on Delivery			3.093000%				3.093000%		\$0.000	0.00%		
GRT on Supply			1.010000%				1.010000%		\$0.000	0.00%		
MTA on Delivery			0.155000%				0.155000%		\$0.000	0.00%		
MTA on Supply			0.155000%				0.155000%		\$0.000	0.00%		

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1B - Residential Heat

	Delivery				Commodity				Total							
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change				
Therm Usage																
0	\$23.04	\$23.42	\$0.38	1.66%	\$0.00	\$0.00	\$0.00	0.00%	\$23.04	\$23.42	\$0.38	1.66%				
3	\$23.20	\$23.43	\$0.23	1.00%	\$1.30	\$1.27	-\$0.03	-2.46%	\$24.51	\$24.71	\$0.20	0.81%				
10	\$29.90	\$31.19	\$1.28	4.29%	\$4.35	\$4.24	-\$0.11	-2.46%	\$34.25	\$35.43	\$1.17	3.43%				
15	\$34.69	\$36.72	\$2.03	5.86%	\$6.52	\$6.36	-\$0.16	-2.46%	\$41.22	\$43.09	\$1.87	4.54%				
20	\$39.48	\$42.26	\$2.78	7.05%	\$8.70	\$8.49	-\$0.21	-2.46%	\$48.18	\$50.75	\$2.57	5.33%				
25	\$44.27	\$47.80	\$3.53	7.98%	\$10.87	\$10.61	-\$0.27	-2.46%	\$55.14	\$58.41	\$3.27	5.92%				
30	\$49.05	\$53.34	\$4.28	8.73%	\$13.05	\$12.73	-\$0.32	-2.46%	\$62.10	\$66.07	\$3.96	6.38%				
40	\$58.63	\$64.41	\$5.78	9.86%	\$17.40	\$16.97	-\$0.43	-2.46%	\$76.03	\$81.38	\$5.36	7.04%				
50	\$68.20	\$75.49	\$7.28	10.68%	\$21.75	\$21.21	-\$0.54	-2.46%	\$89.95	\$96.70	\$6.75	7.50%				
60	\$70.82	\$78.06	\$7.24	10.22%	\$26.10	\$25.46	-\$0.64	-2.46%	\$96.92	\$103.52	\$6.60	6.81%				
70	\$73.44	\$80.63	\$7.19	9.80%	\$30.45	\$29.70	-\$0.75	-2.46%	\$103.89	\$110.33	\$6.45	6.20%				
Typical	\$76.06	\$83.21	\$7.15	9.40%	\$34.80	\$33.94	-\$0.86	-2.46%	\$110.85	\$117.15	\$6.29	5.68%				
100	\$81.29	\$88.35	\$7.06	8.68%	\$43.50	\$42.43	-\$1.07	-2.46%	\$124.79	\$130.78	\$5.99	4.80%				
120	\$86.52	\$93.49	\$6.97	8.06%	\$52.20	\$50.91	-\$1.28	-2.46%	\$138.72	\$144.41	\$5.69	4.10%				
140	\$91.76	\$98.64	\$6.88	7.50%	\$60.90	\$59.40	-\$1.50	-2.46%	\$152.66	\$158.04	\$5.38	3.53%				
160	\$96.99	\$103.78	\$6.79	7.00%	\$69.60	\$67.89	-\$1.71	-2.46%	\$166.59	\$171.67	\$5.08	3.05%				
180	\$102.23	\$108.93	\$6.70	6.55%	\$78.30	\$76.37	-\$1.93	-2.46%	\$180.52	\$185.30	\$4.77	2.64%				
200	\$107.46	\$114.07	\$6.61	6.15%	\$87.00	\$84.86	-\$2.14	-2.46%	\$194.46	\$198.93	\$4.47	2.30%				
220	\$112.69	\$119.21	\$6.52	5.79%	\$95.70	\$93.34	-\$2.35	-2.46%	\$208.39	\$212.56	\$4.17	2.00%				
250	\$120.54	\$126.93	\$6.39	5.30%	\$108.75	\$106.07	-\$2.68	-2.46%	\$229.29	\$233.00	\$3.71	1.62%				
300	\$133.63	\$139.79	\$6.16	4.61%	\$130.50	\$127.28	-\$3.21	-2.46%	\$264.12	\$267.07	\$2.95	1.12%				
400	\$159.80	\$165.51	\$5.71	3.57%	\$173.99	\$169.71	-\$4.28	-2.46%	\$333.79	\$335.22	\$1.43	0.43%				
Current					Proposed				Difference				Change			
First 3 or Less	\$21.66								\$21.66				\$0.00		0.00%	
Next 47 Therms per Therm	\$0.873900								\$1.068000				\$0.194		22.21%	
Over 50 Therms per Therm	\$0.200000								\$0.244400				\$0.044		22.20%	
Billing & Payment Processing	\$0.65								\$1.02				\$0.370		56.92%	
Delivery Rate Adjustment																
Site Investigation & Remediation Surcharge	\$0.048755								\$0.000000				(\$0.049)		-100.00%	
Incremental State Assessment Surcharge	\$0.000000								\$0.000000				\$0.000		0.00%	
Leak Prone Pipe Surcharge	\$0.000000								\$0.000000				\$0.000		0.00%	
Revenue Decoupling Mechanism	\$0.000000								\$0.000000				\$0.000		0.00%	
System Benefits Charge	-\$0.002800								-\$0.002800				\$0.000		0.00%	
Energy Efficiency Surcharge	\$0.007500								\$0.007500				\$0.000		0.00%	
Monthly Cost of Gas	\$0.410598								\$0.405692				(\$0.005)		-1.19%	
Merchant Function Charge	\$0.019370								\$0.013697				(\$0.006)		-29.29%	
GRT on Delivery	3.093000%								3.093000%				\$0.000		0.00%	
GRT on Supply	1.010000%								1.010000%				\$0.000		0.00%	
MTA on Delivery	0.155000%								0.155000%				\$0.000		0.00%	
MTA on Supply	0.155000%								0.155000%				\$0.000		0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1AR - Non Heat Reduced Rate

Therm Usage	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
0	\$9.80	\$11.09	\$1.29	13.17%	\$0.00	\$0.00	\$0.00	0.00%	\$9.80	\$11.09	\$1.29	13.17%	
3	\$10.14	\$11.12	\$0.98	9.65%	\$1.30	\$1.27	-\$0.03	-2.46%	\$11.44	\$12.39	\$0.95	8.27%	
5	\$11.67	\$12.86	\$1.19	10.20%	\$2.17	\$2.12	-\$0.05	-2.46%	\$13.85	\$14.98	\$1.14	8.21%	
7	\$13.20	\$14.61	\$1.40	10.62%	\$3.04	\$2.97	-\$0.07	-2.46%	\$16.25	\$17.58	\$1.33	8.17%	
10	\$15.50	\$17.22	\$1.72	11.10%	\$4.35	\$4.24	-\$0.11	-2.46%	\$19.85	\$21.47	\$1.61	8.13%	
15	\$19.33	\$21.58	\$2.25	11.64%	\$6.52	\$6.36	-\$0.16	-2.46%	\$25.86	\$27.95	\$2.09	8.08%	
Typical	20	\$23.16	\$25.94	\$2.78	12.00%	\$8.70	\$8.49	-\$0.21	-2.46%	\$31.86	\$34.43	\$2.57	8.05%
	25	\$26.99	\$30.31	\$3.31	12.26%	\$10.87	\$10.61	-\$0.27	-2.46%	\$37.87	\$40.91	\$3.04	8.04%
	30	\$30.83	\$34.67	\$3.84	12.46%	\$13.05	\$12.73	-\$0.32	-2.46%	\$43.88	\$47.39	\$3.52	8.02%
	35	\$34.66	\$39.03	\$4.37	12.61%	\$15.22	\$14.85	-\$0.37	-2.46%	\$49.88	\$53.88	\$4.00	8.01%
	40	\$38.49	\$43.39	\$4.90	12.73%	\$17.40	\$16.97	-\$0.43	-2.46%	\$55.89	\$60.36	\$4.47	8.00%
	45	\$42.32	\$47.75	\$5.43	12.83%	\$19.57	\$19.09	-\$0.48	-2.46%	\$61.89	\$66.84	\$4.95	8.00%
	50	\$46.15	\$52.11	\$5.96	12.92%	\$21.75	\$21.21	-\$0.54	-2.46%	\$67.90	\$73.32	\$5.43	7.99%
	55	\$47.49	\$53.18	\$5.69	11.98%	\$23.92	\$23.34	-\$0.59	-2.46%	\$71.42	\$76.52	\$5.10	7.14%
	60	\$48.83	\$54.25	\$5.42	11.09%	\$26.10	\$25.46	-\$0.64	-2.46%	\$74.93	\$79.71	\$4.78	6.37%
	65	\$50.18	\$55.32	\$5.15	10.26%	\$28.27	\$27.58	-\$0.70	-2.46%	\$78.45	\$82.90	\$4.45	5.67%
	70	\$51.52	\$56.39	\$4.87	9.46%	\$30.45	\$29.70	-\$0.75	-2.46%	\$81.97	\$86.09	\$4.13	5.03%
	75	\$52.86	\$57.46	\$4.60	8.71%	\$32.62	\$31.82	-\$0.80	-2.46%	\$85.48	\$89.28	\$3.80	4.45%
	80	\$54.20	\$58.53	\$4.33	7.99%	\$34.80	\$33.94	-\$0.86	-2.46%	\$89.00	\$92.48	\$3.48	3.90%
	85	\$55.55	\$59.60	\$4.06	7.31%	\$36.97	\$36.06	-\$0.91	-2.46%	\$92.52	\$95.67	\$3.15	3.40%
	90	\$56.89	\$60.68	\$3.79	6.66%	\$39.15	\$38.19	-\$0.96	-2.46%	\$96.04	\$98.86	\$2.82	2.94%
	100	\$59.57	\$62.82	\$3.24	5.45%	\$43.50	\$42.43	-\$1.07	-2.46%	\$103.07	\$105.25	\$2.17	2.11%

Current	Proposed	Difference	Change
First 3 or Less	\$8.84	\$9.72	0.88 9.95%
Next 47 Therms per Therm	\$0.632000	\$0.835600	\$0.204 32.22%
Over 50 Therms per Therm	\$0.150000	\$0.198300	\$0.048 32.20%
Billing & Payment Processing	\$0.650000	\$1.020000	\$0.370 56.92%
Delivery Rate Adjustment			
Site Investigation & Remediation Surcharge	\$0.100917	\$0.000000	(\$0.101) -100.00%
Incremental State Assessment Surcharge	\$0.000000	\$0.000000	\$0.000 0.00%
Leak Prone Pipe Surcharge	\$0.000000	\$0.000000	\$0.000 0.00%
System Benefits Charge	\$0.001600	\$0.001600	\$0.000 0.00%
Energy Efficiency Surcharge	\$0.007500	\$0.007500	\$0.000 0.00%
Monthly Cost of Gas	\$0.410598	\$0.405692	(\$0.005) -1.19%
Merchant Function Charge	\$0.019370	\$0.013697	(\$0.006) -29.29%
GRT on Delivery	3.093000%	3.093000%	\$0.000 0.00%
GRT on Supply	1.010000%	1.010000%	\$0.000 0.00%
MTA on Delivery	0.155000%	0.155000%	\$0.000 0.00%
MTA on Supply	0.155000%	0.155000%	\$0.000 0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1B DG - Residential Heat Distributed Generation

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$34.79	\$35.17	\$0.38	1.10%	\$0.00	\$0.00	\$0.00	0.00%	\$34.79	\$35.17	\$0.38	1.10%
3	\$35.11	\$35.18	\$0.07	0.20%	\$1.30	\$1.27	-\$0.03	-2.46%	\$36.42	\$36.46	\$0.04	0.10%
10	\$36.79	\$36.13	-\$0.66	-1.79%	\$4.35	\$4.24	-\$0.11	-2.46%	\$41.14	\$40.37	(\$0.77)	-1.86%
15	\$37.98	\$36.80	-\$1.18	-3.11%	\$6.52	\$6.36	-\$0.16	-2.46%	\$44.51	\$43.17	(\$1.34)	-3.01%
20	\$39.18	\$37.48	-\$1.70	-4.34%	\$8.70	\$8.49	-\$0.21	-2.46%	\$47.88	\$45.96	(\$1.92)	-4.00%
30	\$41.57	\$38.83	-\$2.74	-6.60%	\$13.05	\$12.73	-\$0.32	-2.46%	\$54.62	\$51.55	(\$3.07)	-5.61%
40	\$43.96	\$40.18	-\$3.79	-8.61%	\$17.40	\$16.97	-\$0.43	-2.46%	\$61.36	\$57.15	(\$4.21)	-6.87%
50	\$46.35	\$41.53	-\$4.83	-10.42%	\$21.75	\$21.21	-\$0.54	-2.46%	\$68.10	\$62.74	(\$5.36)	-7.87%
75	\$52.33	\$44.90	-\$7.43	-14.20%	\$32.62	\$31.82	-\$0.80	-2.46%	\$84.96	\$76.72	(\$8.24)	-9.69%
Typical	\$58.31	\$48.27	-\$10.04	-17.21%	\$43.50	\$42.43	-\$1.07	-2.46%	\$101.81	\$90.70	(\$11.11)	-10.91%
125	\$64.29	\$51.65	-\$12.64	-19.67%	\$54.37	\$53.04	-\$1.34	-2.46%	\$118.66	\$104.68	(\$13.98)	-11.78%
150	\$70.27	\$55.02	-\$15.25	-21.70%	\$65.25	\$63.64	-\$1.61	-2.46%	\$135.52	\$118.66	(\$16.85)	-12.44%
175	\$76.25	\$58.39	-\$17.85	-23.41%	\$76.12	\$74.25	-\$1.87	-2.46%	\$152.37	\$132.64	(\$19.73)	-12.95%
200	\$82.23	\$61.77	-\$20.46	-24.88%	\$87.00	\$84.86	-\$2.14	-2.46%	\$169.22	\$146.62	(\$22.60)	-13.35%
225	\$88.20	\$65.14	-\$23.06	-26.15%	\$97.87	\$95.46	-\$2.41	-2.46%	\$186.08	\$160.61	(\$25.47)	-13.69%
250	\$94.18	\$68.52	-\$25.67	-27.25%	\$108.75	\$106.07	-\$2.68	-2.46%	\$202.93	\$174.59	(\$28.34)	-13.97%
275	\$100.16	\$71.89	-\$28.27	-28.23%	\$119.62	\$116.68	-\$2.94	-2.46%	\$219.78	\$188.57	(\$31.22)	-14.20%
300	\$106.14	\$75.26	-\$30.88	-29.09%	\$130.50	\$127.28	-\$3.21	-2.46%	\$236.64	\$202.55	(\$34.09)	-14.41%
325	\$112.12	\$78.64	-\$33.48	-29.86%	\$141.37	\$137.89	-\$3.48	-2.46%	\$253.49	\$216.53	(\$36.96)	-14.58%
350	\$118.10	\$82.01	-\$36.09	-30.56%	\$152.24	\$148.50	-\$3.75	-2.46%	\$270.34	\$230.51	(\$39.83)	-14.73%
375	\$124.08	\$85.38	-\$38.69	-31.18%	\$163.12	\$159.11	-\$4.01	-2.46%	\$287.20	\$244.49	(\$42.71)	-14.87%
400	\$130.06	\$88.76	-\$41.30	-31.75%	\$173.99	\$169.71	-\$4.28	-2.46%	\$304.05	\$258.47	(\$45.58)	-14.99%
Current					Proposed				Difference	Change		
First 3 or Less				\$33.04				\$33.04	\$0.00	0.00%		
Next 47 Therms per Therm				\$0.126000				\$0.126000	\$0.000000	0.00%		
Over 50 Therms per Therm				\$0.000000				\$0.000000	\$0.000000	0.00%		
Billing & Payment Processing				\$0.650000				\$1.020000	\$0.370000	56.92%		
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.100917				\$0.000000	(\$0.101)	-100.00%		
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.000000	0.00%		
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000	\$0.000000	0.00%		
System Benefits Charge				-\$0.002800				-\$0.002800	\$0.000000	0.00%		
Energy Efficiency Surcharge				\$0.007500				\$0.007500	\$0.000000	0.00%		
Monthly Cost of Gas				\$0.410598				\$0.405692	(\$0.005)	-1.19%		
Merchant Function Charge				\$0.019370				\$0.013697	(\$0.006)	-29.29%		
GRT on Delivery				3.093000%				3.093000%	\$0.000000	0.00%		
GRT on Supply				1.010000%				1.010000%	\$0.000000	0.00%		
MTA on Delivery				0.155000%				0.155000%	\$0.000000	0.00%		
MTA on Supply				0.155000%				0.155000%	\$0.000000	0.00%		

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1 BR - Heat Reduced Rate (May - October)

Therm Usage	Delivery				Commodity				Total							
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change				
0	\$4.43	\$4.81	\$0.38	8.62%	\$0.00	\$0.00	\$0.00	0.00%	\$4.43	\$4.81	\$0.38	8.62%				
3	\$4.60	\$4.83	\$0.23	5.03%	\$1.30	\$1.27	-\$0.03	-2.46%	\$5.90	\$6.10	\$0.20	3.37%				
10	\$11.30	\$9.56	-\$1.74	-15.40%	\$4.35	\$4.24	-\$0.11	-2.46%	\$15.65	\$13.80	(\$1.85)	-11.80%				
15	\$16.09	\$12.94	-\$3.15	-19.57%	\$6.52	\$6.36	-\$0.16	-2.46%	\$22.61	\$19.30	(\$3.31)	-14.63%				
20	\$20.87	\$16.32	-\$4.55	-21.82%	\$8.70	\$8.49	-\$0.21	-2.46%	\$29.57	\$24.80	(\$4.77)	-16.13%				
25	\$25.66	\$19.70	-\$5.96	-23.24%	\$10.87	\$10.61	-\$0.27	-2.46%	\$36.54	\$30.31	(\$6.23)	-17.05%				
30	\$30.45	\$23.08	-\$7.37	-24.21%	\$13.05	\$12.73	-\$0.32	-2.46%	\$43.50	\$35.81	(\$7.69)	-17.68%				
40	\$40.02	\$29.84	-\$10.19	-25.45%	\$17.40	\$16.97	-\$0.43	-2.46%	\$57.42	\$46.81	(\$10.61)	-18.48%				
50	\$49.60	\$36.60	-\$13.00	-26.21%	\$21.75	\$21.21	-\$0.54	-2.46%	\$71.35	\$57.81	(\$13.54)	-18.97%				
60	\$52.22	\$39.17	-\$13.05	-24.98%	\$26.10	\$25.46	-\$0.64	-2.46%	\$78.31	\$64.63	(\$13.69)	-17.48%				
70	\$54.83	\$41.74	-\$13.09	-23.87%	\$30.45	\$29.70	-\$0.75	-2.46%	\$85.28	\$71.44	(\$13.84)	-16.23%				
80	\$57.45	\$44.31	-\$13.14	-22.86%	\$34.80	\$33.94	-\$0.86	-2.46%	\$92.25	\$78.26	(\$13.99)	-15.17%				
100	\$62.68	\$49.46	-\$13.23	-21.10%	\$43.50	\$42.43	-\$1.07	-2.46%	\$106.18	\$91.89	(\$14.30)	-13.46%				
Typical	\$67.92	\$54.60	-\$13.32	-19.61%	\$52.20	\$50.91	-\$1.28	-2.46%	\$120.12	\$105.52	(\$14.60)	-12.15%				
140	\$73.15	\$59.75	-\$13.41	-18.33%	\$60.90	\$59.40	-\$1.50	-2.46%	\$134.05	\$119.15	(\$14.90)	-11.12%				
160	\$78.39	\$64.89	-\$13.50	-17.22%	\$69.60	\$67.89	-\$1.71	-2.46%	\$147.98	\$132.78	(\$15.21)	-10.28%				
180	\$83.62	\$70.03	-\$13.59	-16.25%	\$78.30	\$76.37	-\$1.93	-2.46%	\$161.92	\$146.41	(\$15.51)	-9.58%				
200	\$88.85	\$75.18	-\$13.68	-15.39%	\$87.00	\$84.86	-\$2.14	-2.46%	\$175.85	\$160.03	(\$15.82)	-8.99%				
220	\$94.09	\$80.32	-\$13.77	-14.63%	\$95.70	\$93.34	-\$2.35	-2.46%	\$189.78	\$173.66	(\$16.12)	-8.49%				
250	\$101.94	\$88.04	-\$13.90	-13.64%	\$108.75	\$106.07	-\$2.68	-2.46%	\$210.68	\$194.11	(\$16.58)	-7.87%				
300	\$115.02	\$100.90	-\$14.12	-12.28%	\$130.50	\$127.28	-\$3.21	-2.46%	\$245.52	\$228.18	(\$17.34)	-7.06%				
400	\$141.19	\$126.62	-\$14.57	-10.32%	\$173.99	\$169.71	-\$4.28	-2.46%	\$315.19	\$296.33	(\$18.86)	-5.98%				
Current					Proposed				Difference				Change			
First 3 or Less													\$3.64	0.00%		
Next 47 Therms per Therm													\$0.873900	(\$0.224)	-25.62%	
Over 50 Therms per Therm													\$0.200000	\$0.044	22.20%	
Billing & Payment Processing													\$0.650000	\$1.020000	\$0.370	56.92%
Delivery Rate Adjustment																
Site Investigation & Remediation Surcharge													\$0.048755	\$0.000000	(\$0.049)	-100.00%
Incremental State Assessment Surcharge													\$0.000000	\$0.000000	\$0.000	0.00%
Leak Prone Pipe Surcharge													\$0.000000	\$0.000000	\$0.000	0.00%
Revenue Decoupling Mechanism													\$0.000000	\$0.000000	\$0.000	0.00%
System Benefits Charge													-\$0.002800	-\$0.002800	\$0.000	0.00%
Energy Efficiency Surcharge													\$0.007500	\$0.007500	\$0.000	0.00%
Monthly Cost of Gas													\$0.410598	\$0.405692	(\$0.005)	-1.19%
Merchant Function Charge													\$0.019370	\$0.013697	(\$0.006)	-29.29%
GRT on Delivery													3.093000%	3.093000%	\$0.000	0.00%
GRT on Supply													1.010000%	1.010000%	\$0.000	0.00%
MTA on Delivery													0.155000%	0.155000%	\$0.000	0.00%
MTA on Supply													0.155000%	0.155000%	\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1 BR - Heat Reduced Rate (November - April)

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$4.43	\$4.81	\$0.38	8.62%	\$0.00	\$0.00	\$0.00	0.00%	\$4.43	\$4.81	\$0.38	8.62%
3	\$4.60	\$4.83	\$0.23	5.03%	\$1.30	\$1.27	-\$0.03	-2.46%	\$5.90	\$6.10	\$0.20	3.37%
10	\$8.68	\$8.40	-\$0.28	-3.21%	\$4.35	\$4.24	-\$0.11	-2.46%	\$13.03	\$12.64	(\$0.39)	-2.96%
15	\$11.60	\$10.96	-\$0.64	-5.54%	\$6.52	\$6.36	-\$0.16	-2.46%	\$18.12	\$17.32	(\$0.80)	-4.43%
20	\$14.52	\$13.51	-\$1.01	-6.93%	\$8.70	\$8.49	-\$0.21	-2.46%	\$23.21	\$22.00	(\$1.22)	-5.25%
25	\$17.43	\$16.06	-\$1.37	-7.86%	\$10.87	\$10.61	-\$0.27	-2.46%	\$28.31	\$26.67	(\$1.64)	-5.78%
30	\$20.35	\$18.62	-\$1.73	-8.52%	\$13.05	\$12.73	-\$0.32	-2.46%	\$33.40	\$31.35	(\$2.05)	-6.15%
40	\$26.19	\$23.73	-\$2.46	-9.40%	\$17.40	\$16.97	-\$0.43	-2.46%	\$43.59	\$40.70	(\$2.89)	-6.63%
50	\$32.02	\$28.83	-\$3.19	-9.96%	\$21.75	\$21.21	-\$0.54	-2.46%	\$53.77	\$50.05	(\$3.72)	-6.92%
60	\$34.64	\$31.41	-\$3.23	-9.33%	\$26.10	\$25.46	-\$0.64	-2.46%	\$60.74	\$56.86	(\$3.88)	-6.38%
70	\$37.26	\$33.98	-\$3.28	-8.80%	\$30.45	\$29.70	-\$0.75	-2.46%	\$67.70	\$63.68	(\$4.03)	-5.95%
80	\$39.87	\$36.55	-\$3.32	-8.33%	\$34.80	\$33.94	-\$0.86	-2.46%	\$74.67	\$70.49	(\$4.18)	-5.60%
100	\$45.11	\$41.69	-\$3.41	-7.57%	\$43.50	\$42.43	-\$1.07	-2.46%	\$88.60	\$84.12	(\$4.48)	-5.06%
Typical	\$50.34	\$46.84	-\$3.50	-6.96%	\$52.20	\$50.91	-\$1.28	-2.46%	\$102.54	\$97.75	(\$4.79)	-4.67%
140	\$55.57	\$51.98	-\$3.59	-6.46%	\$60.90	\$59.40	-\$1.50	-2.46%	\$116.47	\$111.38	(\$5.09)	-4.37%
160	\$60.81	\$57.13	-\$3.68	-6.06%	\$69.60	\$67.89	-\$1.71	-2.46%	\$130.41	\$125.01	(\$5.39)	-4.14%
180	\$66.04	\$62.27	-\$3.77	-5.71%	\$78.30	\$76.37	-\$1.93	-2.46%	\$144.34	\$138.64	(\$5.70)	-3.95%
200	\$71.28	\$67.41	-\$3.86	-5.42%	\$87.00	\$84.86	-\$2.14	-2.46%	\$158.27	\$152.27	(\$6.00)	-3.79%
220	\$76.51	\$72.56	-\$3.95	-5.17%	\$95.70	\$93.34	-\$2.35	-2.46%	\$172.21	\$165.90	(\$6.31)	-3.66%
250	\$84.36	\$80.27	-\$4.09	-4.85%	\$108.75	\$106.07	-\$2.68	-2.46%	\$193.11	\$186.34	(\$6.76)	-3.50%
300	\$97.45	\$93.13	-\$4.31	-4.43%	\$130.50	\$127.28	-\$3.21	-2.46%	\$227.94	\$220.42	(\$7.52)	-3.30%
400	\$123.62	\$118.85	-\$4.76	-3.85%	\$173.99	\$169.71	-\$4.28	-2.46%	\$297.61	\$288.57	(\$9.04)	-3.04%
Current					Proposed				Difference	Change		
First 3 or Less				\$3.64				\$3.64	\$0.00	0.00%		
Next 47 Therms per Therm				\$0.511700				\$0.490000	(\$0.022)	-4.24%		
Over 50 Therms per Therm				\$0.200000				\$0.244400	\$0.044	22.20%		
Billing & Payment Processing				\$0.650000				\$1.020000	\$0.370	56.92%		
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.048755				\$0.000000	(\$0.049)	-100.00%		
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.000	0.00%		
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000	\$0.000	0.00%		
Revenue Decoupling Mechanism				\$0.000000				\$0.000000	\$0.000	0.00%		
System Benefits Charge				-\$0.002800				-\$0.002800	\$0.000	0.00%		
Energy Efficiency Surcharge				\$0.007500				\$0.007500	\$0.000	0.00%		
Monthly Cost of Gas				\$0.410598				\$0.405692	(\$0.005)	-1.19%		
Merchant Function Charge				\$0.019370				\$0.013697	(\$0.006)	-29.29%		
GRT on Delivery				3.093000%				3.093000%	\$0.000	0.00%		
GRT on Supply				1.010000%				1.010000%	\$0.000	0.00%		
MTA on Delivery				0.155000%				0.155000%	\$0.000	0.00%		
MTA on Supply				0.155000%				0.155000%	\$0.000	0.00%		

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 2-A - Non-Residential Non Heat

	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
Therm Usage													
0	\$38.76	\$39.13	\$0.37	0.97%	\$0.00	\$0.00	\$0.00	0.00%	\$38.76	\$39.13	\$0.37	0.97%	
3	\$38.87	\$39.16	\$0.29	0.75%	\$1.30	\$1.27	-\$0.03	-2.46%	\$40.17	\$40.43	\$0.26	0.65%	
10	\$47.73	\$49.50	\$1.77	3.70%	\$4.35	\$4.24	-\$0.11	-2.46%	\$52.08	\$53.74	\$1.66	3.19%	
30	\$73.06	\$79.04	\$5.98	8.18%	\$13.05	\$12.73	-\$0.32	-2.46%	\$86.11	\$91.77	\$5.65	6.57%	
50	\$98.39	\$108.58	\$10.19	10.35%	\$21.75	\$21.21	-\$0.54	-2.46%	\$120.14	\$129.79	\$9.65	8.03%	
70	\$123.72	\$138.12	\$14.40	11.64%	\$30.45	\$29.70	-\$0.75	-2.46%	\$154.17	\$167.82	\$13.65	8.85%	
90	\$149.06	\$167.66	\$18.61	12.48%	\$39.15	\$38.19	-\$0.96	-2.46%	\$188.20	\$205.85	\$17.64	9.37%	
110	\$154.84	\$173.88	\$19.04	12.30%	\$47.85	\$46.67	-\$1.18	-2.46%	\$202.69	\$220.55	\$17.86	8.81%	
150	\$166.41	\$186.32	\$19.91	11.96%	\$65.25	\$63.64	-\$1.61	-2.46%	\$231.66	\$249.96	\$18.30	7.90%	
200	\$180.88	\$201.87	\$20.99	11.61%	\$87.00	\$84.86	-\$2.14	-2.46%	\$267.87	\$286.73	\$18.85	7.04%	
250	\$195.34	\$217.42	\$22.08	11.30%	\$108.75	\$106.07	-\$2.68	-2.46%	\$304.09	\$323.49	\$19.40	6.38%	
300	\$209.80	\$232.97	\$23.16	11.04%	\$130.50	\$127.28	-\$3.21	-2.46%	\$340.30	\$360.25	\$19.95	5.86%	
Typical	500	\$267.66	\$295.16	\$27.51	10.28%	\$217.49	\$212.14	-\$5.35	-2.46%	\$485.15	\$507.31	\$22.16	4.57%
	700	\$325.51	\$357.36	\$31.85	9.78%	\$304.49	\$297.00	-\$7.49	-2.46%	\$630.00	\$654.36	\$24.36	3.87%
	900	\$383.37	\$419.56	\$36.19	9.44%	\$391.49	\$381.85	-\$9.63	-2.46%	\$774.85	\$801.41	\$26.56	3.43%
	1,100	\$441.22	\$481.76	\$40.53	9.19%	\$478.48	\$466.71	-\$11.77	-2.46%	\$919.71	\$948.47	\$28.76	3.13%
	1,300	\$499.08	\$543.95	\$44.88	8.99%	\$565.48	\$551.57	-\$13.91	-2.46%	\$1,064.56	\$1,095.52	\$30.96	2.91%
	1,500	\$556.93	\$606.15	\$49.22	8.84%	\$652.48	\$636.42	-\$16.05	-2.46%	\$1,209.41	\$1,242.57	\$33.17	2.74%
	1,700	\$614.79	\$668.35	\$53.56	8.71%	\$739.47	\$721.28	-\$18.19	-2.46%	\$1,354.26	\$1,389.63	\$35.37	2.61%
	1,900	\$672.64	\$730.55	\$57.90	8.61%	\$826.47	\$806.14	-\$20.33	-2.46%	\$1,499.11	\$1,536.68	\$37.57	2.51%
	2,100	\$730.50	\$792.74	\$62.24	8.52%	\$913.47	\$890.99	-\$22.47	-2.46%	\$1,643.96	\$1,683.74	\$39.77	2.42%
	3,000	\$990.85	\$1,072.63	\$81.78	8.25%	\$1,304.95	\$1,272.85	-\$32.10	-2.46%	\$2,295.80	\$2,345.48	\$49.68	2.16%
	4,000	\$1,178.95	\$1,262.92	\$83.97	7.12%	\$1,739.93	\$1,697.13	-\$42.81	-2.46%	\$2,918.89	\$2,960.05	\$41.16	1.41%
	5,000	\$1,367.06	\$1,453.22	\$86.16	6.30%	\$2,174.92	\$2,121.41	-\$53.51	-2.46%	\$3,541.98	\$3,574.63	\$32.65	0.92%
	6,000	\$1,555.17	\$1,643.51	\$88.34	5.68%	\$2,609.90	\$2,545.69	-\$64.21	-2.46%	\$4,165.07	\$4,189.21	\$24.13	0.58%
	7,000	\$1,743.28	\$1,833.81	\$90.53	5.19%	\$3,044.89	\$2,969.98	-\$74.91	-2.46%	\$4,788.16	\$4,803.78	\$15.62	0.33%
	8,000	\$1,931.39	\$2,024.10	\$92.71	4.80%	\$3,479.87	\$3,394.26	-\$85.61	-2.46%	\$5,411.26	\$5,418.36	\$7.10	0.13%
	9,000	\$2,119.50	\$2,214.40	\$94.90	4.48%	\$3,914.85	\$3,818.54	-\$96.31	-2.46%	\$6,034.35	\$6,032.94	(\$1.41)	-0.02%
	10,000	\$2,307.60	\$2,404.69	\$97.09	4.21%	\$4,349.84	\$4,242.82	-\$107.01	-2.46%	\$6,657.44	\$6,647.51	(\$9.93)	-0.15%
	11,000	\$2,495.71	\$2,594.98	\$99.27	3.98%	\$4,784.82	\$4,667.11	-\$117.71	-2.46%	\$7,280.53	\$7,262.09	(\$18.44)	-0.25%
	12,000	\$2,683.82	\$2,785.28	\$101.46	3.78%	\$5,219.80	\$5,091.39	-\$128.42	-2.46%	\$7,903.62	\$7,876.67	(\$26.96)	-0.34%
	13,000	\$2,871.93	\$2,975.57	\$103.64	3.61%	\$5,654.79	\$5,515.67	-\$139.12	-2.46%	\$8,526.72	\$8,491.24	(\$35.47)	-0.42%
	15,000	\$3,248.15	\$3,356.16	\$108.01	3.33%	\$6,524.75	\$6,364.23	-\$160.52	-2.46%	\$9,772.90	\$9,720.40	(\$52.51)	-0.54%
	20,000	\$4,188.69	\$4,307.63	\$118.94	2.84%	\$8,699.67	\$8,485.65	-\$214.03	-2.46%	\$12,888.36	\$12,793.28	(\$95.08)	-0.74%
	25,000	\$5,129.23	\$5,259.10	\$129.87	2.53%	\$10,874.59	\$10,607.06	-\$267.53	-2.46%	\$16,003.82	\$15,866.16	(\$137.66)	-0.86%
	30,000	\$6,069.77	\$6,210.58	\$140.80	2.32%	\$13,049.51	\$12,728.47	-\$321.04	-2.46%	\$19,119.28	\$18,939.04	(\$180.24)	-0.94%
	35,000	\$7,010.32	\$7,162.05	\$151.73	2.16%	\$15,224.43	\$14,849.88	-\$374.55	-2.46%	\$22,234.74	\$22,011.93	(\$222.81)	-1.00%
	40,000	\$7,950.86	\$8,113.52	\$162.66	2.05%	\$17,399.34	\$16,971.29	-\$428.05	-2.46%	\$25,350.20	\$25,084.81	(\$265.39)	-1.05%
	45,000	\$8,891.40	\$9,064.99	\$173.59	1.95%	\$19,574.26	\$19,092.70	-\$481.56	-2.46%	\$28,465.66	\$28,157.69	(\$307.97)	-1.08%
	50,000	\$9,831.94	\$10,016.46	\$184.52	1.88%	\$21,749.18	\$21,214.11	-\$535.06	-2.46%	\$31,581.12	\$31,230.58	(\$350.55)	-1.11%

Current	Proposed	Difference	Change
First 3 therms		\$37.66	0.00%
Next 87 therms		\$1.216000	19.32%
Next 2,910 therms		\$0.250000	19.32%
Over 3,000 therms		\$0.150000	19.33%
Billing & Payment Processing		\$0.650000	56.92%
Delivery Rate Adjustment			
Site Investigation & Remediation Surcharge	\$0.026839	\$0.000000	-100.00%
Incremental State Assessment Surcharge	\$0.000000	\$0.000000	0.00%
Leak Prone Pipe Surcharge	\$0.000000	\$0.000000	0.00%
System Benefits Charge	\$0.001600	\$0.001600	0.00%
Energy Efficiency Surcharge	\$0.007500	\$0.007500	0.00%
Monthly Cost of Gas	\$0.410598	\$0.405692	-1.19%
Merchant Function Charge	\$0.019370	\$0.013697	-29.29%
GRT on Delivery	1.010000%	1.010000%	0.00%
GRT on Supply	1.010000%	1.010000%	0.00%
MTA on Delivery	0.155000%	0.155000%	0.00%
MTA on Supply	0.155000%	0.155000%	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 2-B - Non Residential Heat

Therm Usage	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
0	\$38.76	\$39.13	\$0.37	0.97%	\$0.00	\$0.00	\$0.00	0.00%	\$38.76	\$39.13	\$0.37	0.97%
3	\$38.89	\$39.16	\$0.26	0.68%	\$1.30	\$1.27	-\$0.03	-2.46%	\$40.20	\$40.43	\$0.23	0.58%
10	\$47.83	\$49.61	\$1.78	3.73%	\$4.35	\$4.24	-\$0.11	-2.46%	\$52.18	\$53.85	\$1.68	3.21%
15	\$54.21	\$57.07	\$2.87	5.29%	\$6.52	\$6.36	-\$0.16	-2.46%	\$60.73	\$63.44	\$2.71	4.46%
20	\$60.58	\$64.53	\$3.95	6.52%	\$8.70	\$8.49	-\$0.21	-2.46%	\$69.28	\$73.02	\$3.74	5.39%
25	\$66.96	\$72.00	\$5.03	7.52%	\$10.87	\$10.61	-\$0.27	-2.46%	\$77.84	\$82.61	\$4.77	6.12%
30	\$73.34	\$79.46	\$6.12	8.34%	\$13.05	\$12.73	-\$0.32	-2.46%	\$86.39	\$92.19	\$5.80	6.71%
40	\$86.10	\$94.39	\$8.29	9.62%	\$17.40	\$16.97	-\$0.43	-2.46%	\$103.50	\$111.36	\$7.86	7.59%
50	\$98.86	\$109.32	\$10.45	10.57%	\$21.75	\$21.21	-\$0.54	-2.46%	\$120.61	\$130.53	\$9.92	8.22%
60	\$111.62	\$124.24	\$12.62	11.31%	\$26.10	\$25.46	-\$0.64	-2.46%	\$137.72	\$149.70	\$11.98	8.70%
70	\$124.38	\$139.17	\$14.79	11.89%	\$30.45	\$29.70	-\$0.75	-2.46%	\$154.83	\$168.87	\$14.04	9.07%
80	\$137.14	\$154.10	\$16.96	12.37%	\$34.80	\$33.94	-\$0.86	-2.46%	\$171.94	\$188.04	\$16.10	9.36%
100	\$153.39	\$172.78	\$19.39	12.64%	\$43.50	\$42.43	-\$1.07	-2.46%	\$196.89	\$215.21	\$18.32	9.30%
120	\$160.38	\$180.28	\$19.90	12.41%	\$52.20	\$50.91	-\$1.28	-2.46%	\$212.57	\$231.20	\$18.62	8.76%
140	\$167.36	\$187.79	\$20.42	12.20%	\$60.90	\$59.40	-\$1.50	-2.46%	\$228.26	\$247.19	\$18.93	8.29%
160	\$174.35	\$195.29	\$20.94	12.01%	\$69.60	\$67.89	-\$1.71	-2.46%	\$243.94	\$263.18	\$19.23	7.88%
180	\$181.33	\$202.80	\$21.46	11.84%	\$78.30	\$76.37	-\$1.93	-2.46%	\$259.63	\$279.17	\$19.54	7.53%
Typical	\$188.32	\$210.30	\$21.98	11.67%	\$87.00	\$84.86	-\$2.14	-2.46%	\$275.31	\$295.16	\$19.84	7.21%
250	\$205.78	\$229.06	\$23.28	11.31%	\$108.75	\$106.07	-\$2.68	-2.46%	\$314.52	\$335.13	\$20.61	6.55%
280	\$216.25	\$240.32	\$24.06	11.13%	\$121.80	\$118.80	-\$3.00	-2.46%	\$338.05	\$359.12	\$21.07	6.23%
300	\$223.24	\$247.82	\$24.58	11.01%	\$130.50	\$127.28	-\$3.21	-2.46%	\$353.73	\$375.11	\$21.37	6.04%
400	\$258.16	\$285.35	\$27.18	10.53%	\$173.99	\$169.71	-\$4.28	-2.46%	\$432.16	\$455.06	\$22.90	5.30%
500	\$293.09	\$322.87	\$29.78	10.16%	\$217.49	\$212.14	-\$5.35	-2.46%	\$510.58	\$535.01	\$24.43	4.78%
600	\$328.01	\$360.39	\$32.38	9.87%	\$260.99	\$254.57	-\$6.42	-2.46%	\$589.00	\$614.96	\$25.96	4.41%
1,000	\$467.71	\$510.48	\$42.77	9.15%	\$434.98	\$424.28	-\$10.70	-2.46%	\$902.69	\$934.76	\$32.07	3.55%
1,500	\$642.33	\$698.09	\$55.77	8.68%	\$652.48	\$636.42	-\$16.05	-2.46%	\$1,294.80	\$1,334.52	\$39.72	3.07%
2,000	\$816.95	\$885.71	\$68.76	8.42%	\$869.97	\$848.56	-\$21.40	-2.46%	\$1,686.91	\$1,734.27	\$47.36	2.81%
2,570	\$1,016.01	\$1,099.59	\$83.58	8.23%	\$1,117.91	\$1,090.41	-\$27.50	-2.46%	\$2,133.92	\$2,189.99	\$56.07	2.63%
3,000	\$1,166.18	\$1,260.93	\$94.75	8.12%	\$1,304.95	\$1,272.85	-\$32.10	-2.46%	\$2,471.14	\$2,533.78	\$62.65	2.54%
5,000	\$1,662.33	\$1,767.37	\$105.05	6.32%	\$2,174.92	\$2,121.41	-\$53.51	-2.46%	\$3,837.25	\$3,888.79	\$51.54	1.34%
9,000	\$2,654.62	\$2,780.25	\$125.64	4.73%	\$3,914.85	\$3,818.54	-\$96.31	-2.46%	\$6,569.47	\$6,598.79	\$29.32	0.45%
10,000	\$2,902.69	\$3,033.47	\$130.78	4.51%	\$4,349.84	\$4,242.82	-\$107.01	-2.46%	\$7,252.53	\$7,276.30	\$23.77	0.33%
30,000	\$7,864.13	\$8,097.87	\$233.74	2.97%	\$13,049.51	\$12,728.47	-\$321.04	-2.46%	\$20,913.64	\$20,826.34	(\$87.30)	-0.42%
50,000	\$12,825.58	\$13,162.27	\$336.69	2.63%	\$21,749.18	\$21,214.11	-\$535.06	-2.46%	\$34,574.76	\$34,376.38	(\$198.37)	-0.57%
75,000	\$19,027.38	\$19,492.77	\$465.38	2.45%	\$32,623.77	\$31,821.17	-\$802.60	-2.46%	\$51,651.15	\$51,313.94	(\$337.21)	-0.65%
100,000	\$25,229.19	\$25,823.27	\$594.08	2.35%	\$43,498.36	\$42,428.23	-\$1,070.13	-2.46%	\$68,727.55	\$68,251.49	(\$476.05)	-0.69%
150,000	\$37,632.80	\$38,484.26	\$851.46	2.26%	\$65,247.54	\$63,642.34	-\$1,605.19	-2.46%	\$102,880.34	\$102,126.60	(\$753.73)	-0.73%
200,000	\$50,036.41	\$51,145.26	\$1,108.85	2.22%	\$86,996.71	\$84,856.46	-\$2,140.26	-2.46%	\$137,033.13	\$136,001.71	(\$1,031.41)	-0.75%
250,000	\$62,440.02	\$63,806.25	\$1,366.23	2.19%	\$108,745.89	\$106,070.57	-\$2,675.32	-2.46%	\$171,185.92	\$169,876.82	(\$1,309.09)	-0.76%
500,000	\$124,458.08	\$127,111.23	\$2,653.16	2.13%	\$217,491.79	\$212,141.14	-\$5,350.65	-2.46%	\$341,949.86	\$339,252.37	(\$2,697.49)	-0.79%
750,000	\$186,476.13	\$190,416.21	\$3,940.08	2.11%	\$326,237.68	\$318,211.71	-\$8,025.97	-2.46%	\$512,713.81	\$508,627.92	(\$4,085.89)	-0.80%
1,000,000	\$248,494.18	\$253,721.19	\$5,227.00	2.10%	\$434,983.57	\$424,282.28	-\$10,701.29	-2.46%	\$683,477.76	\$678,003.47	(\$5,474.29)	-0.80%
1,500,000	\$372,530.29	\$380,331.15	\$7,800.85	2.09%	\$652,475.36	\$636,423.42	-\$16,051.94	-2.46%	\$1,025,005.65	\$1,016,754.57	(\$8,251.09)	-0.80%
2,000,000	\$496,566.40	\$506,941.10	\$10,374.70	2.09%	\$869,967.15	\$848,564.56	-\$21,402.59	-2.46%	\$1,366,533.55	\$1,355,505.66	(\$11,027.89)	-0.81%
Current					Proposed					Difference	Change	
First 3 therms										\$0.00	0.00%	
Next 87 therms					\$1,216,000					\$0,250	20.59%	
Next 2,910 therms					\$0,300,000					\$0,062	20.60%	
Over 3,000 therms					\$0,200,000					\$0,041	20.60%	
Billing & Payment Processing					\$0,650,000					\$0,370	56.92%	
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge					\$0,036,112					(\$0,036)	-100.00%	
Incremental State Assessment Surcharge					\$0,000,000					\$0,000	0.00%	
Leak Prone Pipe Surcharge					\$0,000,000					\$0,000	0.00%	
System Benefits Charge					\$0,001,600					\$0,000	0.00%	
Energy Efficiency Surcharge					\$0,007,500					\$0,000	0.00%	
Monthly Cost of Gas					\$0,410,598					(\$0,005)	-1.19%	
Merchant Function Charge					\$0,019,370					(\$0,006)	-29.29%	
GRT on Delivery					1.010000%					\$0,000	0.00%	
GRT on Supply					1.010000%					\$0,000	0.00%	
MTA on Delivery					0.155000%					\$0,000	0.00%	
MTA on Supply					0.155000%					\$0,000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 3 - Multiple Dwelling Service

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$77.76	\$78.14	\$0.38	0.49%	\$0.00	\$0.00	\$0.00	0.00%	\$77.76	\$78.14	\$0.38	0.49%
3	\$77.85	\$78.17	\$0.32	0.41%	\$1.30	\$1.27	-\$0.03	-2.46%	\$79.16	\$79.44	\$0.29	0.36%
10	\$80.68	\$81.34	\$0.66	0.82%	\$4.35	\$4.24	-\$0.11	-2.46%	\$85.03	\$85.58	\$0.55	0.65%
50	\$96.85	\$99.45	\$2.60	2.68%	\$21.75	\$21.21	-\$0.54	-2.46%	\$118.60	\$120.67	\$2.07	1.74%
100	\$117.07	\$122.10	\$5.03	4.30%	\$43.50	\$42.43	-\$1.07	-2.46%	\$160.57	\$164.53	\$3.96	2.47%
150	\$137.28	\$144.74	\$7.46	5.43%	\$65.25	\$63.64	-\$1.61	-2.46%	\$202.53	\$208.38	\$5.85	2.89%
200	\$157.50	\$167.38	\$9.88	6.28%	\$87.00	\$84.86	-\$2.14	-2.46%	\$244.50	\$252.24	\$7.74	3.17%
250	\$177.72	\$190.03	\$12.31	6.93%	\$108.75	\$106.07	-\$2.68	-2.46%	\$286.46	\$296.10	\$9.64	3.36%
300	\$197.93	\$212.67	\$14.74	7.45%	\$130.50	\$127.28	-\$3.21	-2.46%	\$328.43	\$339.96	\$11.53	3.51%
350	\$218.15	\$235.31	\$17.17	7.87%	\$152.24	\$148.50	-\$3.75	-2.46%	\$370.39	\$383.81	\$13.42	3.62%
400	\$238.36	\$257.96	\$19.60	8.22%	\$173.99	\$169.71	-\$4.28	-2.46%	\$412.35	\$427.67	\$15.32	3.71%
450	\$258.58	\$280.60	\$22.03	8.52%	\$195.74	\$190.93	-\$4.82	-2.46%	\$454.32	\$471.53	\$17.21	3.79%
500	\$278.79	\$303.24	\$24.45	8.77%	\$217.49	\$212.14	-\$5.35	-2.46%	\$496.28	\$515.39	\$19.10	3.85%
1,000	\$480.94	\$529.68	\$48.73	10.13%	\$434.98	\$424.28	-\$10.70	-2.46%	\$915.93	\$953.96	\$38.03	4.15%
1,500	\$599.62	\$656.99	\$57.37	9.57%	\$652.48	\$636.42	-\$16.05	-2.46%	\$1,252.09	\$1,293.41	\$41.32	3.30%
Typical	\$718.29	\$784.30	\$66.01	9.19%	\$869.97	\$848.56	-\$21.40	-2.46%	\$1,588.26	\$1,632.86	\$44.61	2.81%
2,500	\$836.96	\$911.61	\$74.65	8.92%	\$1,087.46	\$1,060.71	-\$26.75	-2.46%	\$1,924.42	\$1,972.32	\$47.90	2.49%
3,000	\$955.63	\$1,038.92	\$83.29	8.72%	\$1,304.95	\$1,272.85	-\$32.10	-2.46%	\$2,260.58	\$2,311.77	\$51.18	2.26%
3,500	\$1,074.30	\$1,166.23	\$91.93	8.56%	\$1,522.44	\$1,484.99	-\$37.45	-2.46%	\$2,596.75	\$2,651.22	\$54.47	2.10%
4,000	\$1,192.98	\$1,293.54	\$100.57	8.43%	\$1,739.93	\$1,697.13	-\$42.81	-2.46%	\$2,932.91	\$2,990.67	\$57.76	1.97%
4,500	\$1,311.65	\$1,420.85	\$109.20	8.33%	\$1,957.43	\$1,909.27	-\$48.16	-2.46%	\$3,269.08	\$3,330.12	\$61.05	1.87%
5,000	\$1,430.32	\$1,548.16	\$117.84	8.24%	\$2,174.92	\$2,121.41	-\$53.51	-2.46%	\$3,605.24	\$3,669.58	\$64.34	1.78%
5,500	\$1,548.99	\$1,675.47	\$126.48	8.17%	\$2,392.41	\$2,333.55	-\$58.86	-2.46%	\$3,941.40	\$4,009.03	\$67.62	1.72%
6,000	\$1,667.67	\$1,802.79	\$135.12	8.10%	\$2,609.90	\$2,545.69	-\$64.21	-2.46%	\$4,277.57	\$4,348.48	\$70.91	1.66%
6,500	\$1,786.34	\$1,930.10	\$143.76	8.05%	\$2,827.39	\$2,757.83	-\$69.56	-2.46%	\$4,613.73	\$4,687.93	\$74.20	1.61%
7,000	\$1,905.01	\$2,057.41	\$152.40	8.00%	\$3,044.89	\$2,969.98	-\$74.91	-2.46%	\$4,949.90	\$5,027.38	\$77.49	1.57%
7,500	\$2,023.68	\$2,184.72	\$161.03	7.96%	\$3,262.38	\$3,182.12	-\$80.26	-2.46%	\$5,286.06	\$5,366.83	\$80.78	1.53%
8,000	\$2,142.35	\$2,312.03	\$169.67	7.92%	\$3,479.87	\$3,394.26	-\$85.61	-2.46%	\$5,622.22	\$5,706.29	\$84.06	1.50%
8,500	\$2,261.03	\$2,439.64	\$178.61	7.89%	\$3,697.36	\$3,606.40	-\$90.96	-2.46%	\$5,958.39	\$6,045.74	\$87.35	1.47%
9,000	\$2,379.70	\$2,566.65	\$186.95	7.86%	\$3,914.85	\$3,818.54	-\$96.31	-2.46%	\$6,294.55	\$6,385.19	\$90.64	1.44%
9,500	\$2,498.37	\$2,693.96	\$195.59	7.83%	\$4,132.34	\$4,030.68	-\$101.66	-2.46%	\$6,630.72	\$6,724.64	\$93.93	1.42%
10,000	\$2,617.04	\$2,821.27	\$204.23	7.80%	\$4,349.84	\$4,242.82	-\$107.01	-2.46%	\$6,966.88	\$7,064.09	\$97.21	1.40%
15,000	\$3,803.77	\$4,094.38	\$290.61	7.64%	\$6,524.75	\$6,364.23	-\$160.52	-2.46%	\$10,328.52	\$10,458.61	\$130.09	1.26%
20,000	\$4,990.49	\$5,367.48	\$377.00	7.55%	\$8,699.67	\$8,485.65	-\$214.03	-2.46%	\$13,690.16	\$13,853.13	\$162.97	1.19%
25,000	\$6,177.21	\$6,640.59	\$463.38	7.50%	\$10,874.59	\$10,607.06	-\$267.53	-2.46%	\$17,051.80	\$17,247.65	\$195.85	1.15%
50,000	\$12,110.82	\$13,006.13	\$895.31	7.39%	\$21,749.18	\$21,214.11	-\$535.06	-2.46%	\$33,860.00	\$34,220.24	\$360.24	1.06%
75,000	\$18,044.43	\$19,371.66	\$1,327.23	7.36%	\$32,623.77	\$31,821.17	-\$802.60	-2.46%	\$50,668.20	\$51,192.83	\$524.63	1.04%
100,000	\$23,978.04	\$25,737.20	\$1,759.15	7.34%	\$43,498.36	\$42,428.23	-\$1,070.13	-2.46%	\$67,476.40	\$68,165.42	\$689.02	1.02%
150,000	\$35,845.27	\$38,468.27	\$2,623.00	7.32%	\$65,247.54	\$63,642.34	-\$1,605.19	-2.46%	\$101,092.80	\$102,110.61	\$1,017.81	1.01%
200,000	\$47,712.49	\$51,199.33	\$3,486.85	7.31%	\$86,996.71	\$84,856.46	-\$2,140.26	-2.46%	\$134,709.20	\$136,055.79	\$1,346.59	1.00%
250,000	\$59,579.71	\$63,930.40	\$4,350.69	7.30%	\$108,745.89	\$106,070.57	-\$2,675.32	-2.46%	\$168,325.60	\$170,000.97	\$1,675.37	1.00%
300,000	\$71,446.93	\$76,661.47	\$5,214.54	7.30%	\$130,495.07	\$127,284.68	-\$3,210.39	-2.46%	\$201,942.00	\$203,946.16	\$2,004.15	0.99%
350,000	\$83,314.15	\$89,392.54	\$6,078.39	7.30%	\$152,244.25	\$148,498.80	-\$3,745.45	-2.46%	\$235,558.40	\$237,891.34	\$2,332.94	0.99%
400,000	\$95,181.38	\$102,123.61	\$6,942.24	7.29%	\$173,993.43	\$169,712.91	-\$4,280.52	-2.46%	\$269,174.81	\$271,836.52	\$2,661.72	0.99%
Current					0							
Proposed												
First 3 therms			\$74.66				\$74.66				\$0.00	0.00%
Next 997 therms			\$0.361700				\$0.429500				\$0.068	18.74%
Over 1,000 therms			\$0.200000				\$0.237500				\$0.038	18.75%
Billing & Payment Processing			\$0.650000				\$1.020000				\$0.370	56.92%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0.020767				\$0.000000				(\$0.021)	-100.00%
Incremental State Assessment Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
Leak Prone Pipe Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
System Benefits Charge			\$0.001600				\$0.001600				\$0.000	0.00%
Energy Efficiency Surcharge			\$0.007500				\$0.007500				\$0.000	0.00%
Monthly Cost of Gas			\$0.410598				\$0.405692				(\$0.005)	-1.19%
Merchant Function Charge			\$0.019370				\$0.013697				(\$0.006)	-29.29%
GRT on Delivery			3.093000%				3.093000%				\$0.000	0.00%
GRT on Supply			1.010000%				1.010000%				\$0.000	0.00%
MTA on Delivery			0.155000%				0.155000%				\$0.000	0.00%
MTA on Supply			0.155000%				0.155000%				\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 15 - High Load Factor Service for Cogeneration

	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Therm Usage												
0	\$155.77	\$156.14	\$0.37	0.24%	\$0.00	\$0.00	\$0.00	0.00%	\$155.77	\$156.14	\$0.37	0.24%
10	\$155.97	\$156.24	\$0.26	0.17%	\$3.17	\$3.07	-\$0.10	-3.11%	\$159.14	\$159.31	\$0.17	0.10%
50	\$162.04	\$162.86	\$0.82	0.51%	\$15.84	\$15.35	-\$0.49	-3.11%	\$177.88	\$178.21	\$0.33	0.18%
100	\$169.62	\$171.13	\$1.51	0.89%	\$31.68	\$30.70	-\$0.98	-3.11%	\$201.30	\$201.83	\$0.53	0.26%
200	\$184.78	\$187.68	\$2.90	1.57%	\$63.37	\$61.40	-\$1.97	-3.11%	\$248.15	\$249.08	\$0.93	0.37%
300	\$199.94	\$204.23	\$4.28	2.14%	\$95.05	\$92.10	-\$2.95	-3.11%	\$294.99	\$296.32	\$1.33	0.45%
400	\$215.11	\$220.77	\$5.67	2.63%	\$126.74	\$122.80	-\$3.94	-3.11%	\$341.84	\$343.57	\$1.73	0.51%
500	\$230.27	\$237.32	\$7.05	3.06%	\$158.42	\$153.50	-\$4.92	-3.11%	\$388.69	\$390.82	\$2.13	0.55%
1,000	\$306.08	\$320.06	\$13.98	4.57%	\$316.84	\$306.99	-\$9.85	-3.11%	\$622.92	\$627.06	\$4.13	0.66%
5,000	\$912.59	\$981.98	\$69.39	7.60%	\$1,584.19	\$1,534.97	-\$49.23	-3.11%	\$2,496.78	\$2,516.95	\$20.17	0.81%
10,000	\$1,670.72	\$1,809.39	\$138.66	8.30%	\$3,168.39	\$3,069.94	-\$98.45	-3.11%	\$4,839.11	\$4,879.32	\$40.21	0.83%
Typical	\$2,428.86	\$2,636.79	\$207.93	8.56%	\$4,752.58	\$4,604.91	-\$147.68	-3.11%	\$7,181.44	\$7,241.69	\$60.25	0.84%
20,000	\$3,186.99	\$3,464.19	\$277.20	8.70%	\$6,336.78	\$6,139.88	-\$196.90	-3.11%	\$9,523.77	\$9,604.06	\$80.30	0.84%
25,000	\$3,945.12	\$4,291.59	\$346.47	8.78%	\$7,920.97	\$7,674.84	-\$246.13	-3.11%	\$11,866.10	\$11,966.44	\$100.34	0.85%
30,000	\$4,703.26	\$5,118.99	\$415.74	8.84%	\$9,505.17	\$9,209.81	-\$295.35	-3.11%	\$14,208.42	\$14,328.81	\$120.38	0.85%
35,000	\$5,461.39	\$5,946.40	\$485.00	8.88%	\$11,089.36	\$10,744.78	-\$344.58	-3.11%	\$16,550.75	\$16,691.18	\$140.43	0.85%
40,000	\$6,219.53	\$6,773.80	\$554.27	8.91%	\$12,673.56	\$12,279.75	-\$393.80	-3.11%	\$18,893.08	\$19,053.55	\$160.47	0.85%
45,000	\$6,977.66	\$7,601.20	\$623.54	8.94%	\$14,257.75	\$13,814.72	-\$443.03	-3.11%	\$21,235.41	\$21,415.92	\$180.51	0.85%
50,000	\$7,735.79	\$8,428.60	\$692.81	8.96%	\$15,841.94	\$15,349.69	-\$492.26	-3.11%	\$23,577.74	\$23,778.29	\$200.55	0.85%
55,000	\$8,493.93	\$9,256.00	\$762.08	8.97%	\$17,426.14	\$16,884.66	-\$541.48	-3.11%	\$25,920.06	\$26,140.66	\$220.60	0.85%
60,000	\$9,252.06	\$10,083.41	\$831.35	8.99%	\$19,010.33	\$18,419.63	-\$590.71	-3.11%	\$28,262.39	\$28,503.03	\$240.64	0.85%
65,000	\$10,010.19	\$10,910.81	\$900.61	9.00%	\$20,594.53	\$19,954.59	-\$639.93	-3.11%	\$30,604.72	\$30,865.40	\$260.68	0.85%
70,000	\$10,768.33	\$11,738.21	\$969.88	9.01%	\$22,178.72	\$21,489.56	-\$689.16	-3.11%	\$32,947.05	\$33,227.77	\$280.72	0.85%
75,000	\$11,526.46	\$12,565.61	\$1,039.15	9.02%	\$23,762.92	\$23,024.53	-\$738.38	-3.11%	\$35,289.38	\$35,590.14	\$300.77	0.85%
80,000	\$12,284.59	\$13,393.01	\$1,108.42	9.02%	\$25,347.11	\$24,559.50	-\$787.61	-3.11%	\$37,631.70	\$37,952.51	\$320.81	0.85%
85,000	\$13,042.73	\$14,220.42	\$1,177.69	9.03%	\$26,931.30	\$26,094.47	-\$836.84	-3.11%	\$39,974.03	\$40,314.89	\$340.85	0.85%
90,000	\$13,800.86	\$15,047.82	\$1,246.96	9.04%	\$28,515.50	\$27,629.44	-\$886.06	-3.11%	\$42,316.36	\$42,677.26	\$360.89	0.85%
95,000	\$14,559.00	\$15,875.22	\$1,316.22	9.04%	\$30,099.69	\$29,164.41	-\$935.29	-3.11%	\$44,658.69	\$45,039.63	\$380.94	0.85%
100,000	\$15,317.13	\$16,702.62	\$1,385.49	9.05%	\$31,683.89	\$30,699.38	-\$984.51	-3.11%	\$47,001.02	\$47,402.00	\$400.98	0.85%
105,000	\$16,075.26	\$17,530.02	\$1,454.76	9.05%	\$33,268.08	\$32,234.34	-\$1,033.74	-3.11%	\$49,343.35	\$49,764.37	\$421.02	0.85%
110,000	\$16,833.40	\$18,357.43	\$1,524.03	9.05%	\$34,852.28	\$33,769.31	-\$1,082.96	-3.11%	\$51,685.67	\$52,126.74	\$441.07	0.85%
115,000	\$17,591.53	\$19,184.83	\$1,593.30	9.06%	\$36,436.47	\$35,304.28	-\$1,132.19	-3.11%	\$54,028.00	\$54,489.11	\$461.11	0.85%
Current					Proposed				Difference	Change		
First 10 therms				\$153.35				\$153.35	\$0.00	0.00%		
Over 10 therms				\$0.130000				\$0.154500	\$0.025	18.85%		
Billing & Payment Processing				\$0.650000				\$1.020000	\$0.370	56.92%		
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.010804				\$0.000000	(\$0.011)	-100.00%		
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.000	0.00%		
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000	\$0.000	0.00%		
System Benefits Charge				\$0.001600				\$0.001600	\$0.000	0.00%		
Energy Efficiency Surcharge				\$0.007500				\$0.007500	\$0.000	0.00%		
Monthly Cost of Gas				\$0.295974				\$0.291789	(\$0.004)	-1.41%		
Merchant Function Charge				\$0.017211				\$0.011665	(\$0.006)	-32.23%		
GRT on Delivery				1.010000%				1.010000%	\$0.000	0.00%		
GRT on Supply				1.010000%				1.010000%	\$0.000	0.00%		
MTA on Delivery				0.138000%				0.138000%	\$0.000	0.00%		
MTA on Supply				1.010000%				1.010000%	\$0.000	0.00%		

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 16 -Non Residential Year-Round Space Conditioning Service

Therm Usage	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
0	\$202.65	\$234.15	\$31.50	15.54%	\$0.00	\$0.00	\$0.00	0.00%	\$202.65	\$234.15	\$31.50	15.54%
10	\$211.23	\$244.04	\$32.81	15.53%	\$3.58	\$3.48	-\$0.10	-2.81%	\$214.81	\$247.52	\$32.71	15.23%
50	\$259.83	\$300.39	\$40.56	15.61%	\$17.91	\$17.41	-\$0.50	-2.81%	\$277.75	\$317.80	\$40.06	14.42%
100	\$320.59	\$370.84	\$50.26	15.68%	\$35.82	\$34.82	-\$1.01	-2.81%	\$356.41	\$405.66	\$49.25	13.82%
200	\$442.09	\$511.74	\$69.64	15.75%	\$71.65	\$69.64	-\$2.01	-2.81%	\$513.74	\$581.37	\$67.63	13.16%
300	\$563.60	\$652.63	\$89.03	15.80%	\$107.47	\$104.46	-\$3.02	-2.81%	\$671.08	\$757.09	\$86.01	12.82%
400	\$685.11	\$793.53	\$108.42	15.83%	\$143.30	\$139.27	-\$4.03	-2.81%	\$828.41	\$932.80	\$104.39	12.60%
500	\$806.61	\$934.42	\$127.81	15.84%	\$179.12	\$174.09	-\$5.03	-2.81%	\$985.74	\$1,108.51	\$122.77	12.46%
750	\$863.71	\$996.26	\$132.55	15.35%	\$268.69	\$261.14	-\$7.55	-2.81%	\$1,132.40	\$1,257.40	\$125.00	11.04%
1,000	\$920.81	\$1,058.10	\$137.29	14.91%	\$358.25	\$348.19	-\$10.06	-2.81%	\$1,279.06	\$1,406.28	\$127.22	9.95%
1,250	\$977.91	\$1,119.93	\$142.03	14.52%	\$447.81	\$435.23	-\$12.58	-2.81%	\$1,425.72	\$1,555.17	\$129.45	9.08%
1,500	\$1,035.01	\$1,181.77	\$146.77	14.18%	\$537.37	\$522.28	-\$15.10	-2.81%	\$1,572.38	\$1,704.05	\$131.67	8.37%
1,750	\$1,092.10	\$1,243.61	\$151.51	13.87%	\$626.94	\$609.33	-\$17.61	-2.81%	\$1,719.04	\$1,852.94	\$133.90	7.79%
2,000	\$1,149.20	\$1,305.45	\$156.25	13.60%	\$716.50	\$696.37	-\$20.13	-2.81%	\$1,865.70	\$2,001.82	\$136.12	7.30%
2,250	\$1,206.30	\$1,367.29	\$160.99	13.35%	\$806.06	\$783.42	-\$22.64	-2.81%	\$2,012.36	\$2,150.71	\$138.35	6.87%
2,500	\$1,263.40	\$1,429.13	\$165.73	13.12%	\$895.62	\$870.47	-\$25.16	-2.81%	\$2,159.02	\$2,299.59	\$140.57	6.51%
2,750	\$1,320.49	\$1,490.96	\$170.47	12.91%	\$985.19	\$957.51	-\$27.68	-2.81%	\$2,305.68	\$2,448.47	\$142.79	6.19%
3,000	\$1,377.59	\$1,552.80	\$175.21	12.72%	\$1,074.75	\$1,044.56	-\$30.19	-2.81%	\$2,452.34	\$2,597.36	\$145.02	5.91%
3,250	\$1,434.69	\$1,614.64	\$179.95	12.54%	\$1,164.31	\$1,131.60	-\$32.71	-2.81%	\$2,599.00	\$2,746.24	\$147.24	5.67%
3,500	\$1,491.79	\$1,676.48	\$184.69	12.38%	\$1,253.87	\$1,218.65	-\$35.22	-2.81%	\$2,745.66	\$2,895.13	\$149.47	5.44%
3,750	\$1,548.89	\$1,738.32	\$189.43	12.23%	\$1,343.44	\$1,305.70	-\$37.74	-2.81%	\$2,892.32	\$3,044.01	\$151.69	5.24%
4,000	\$1,605.98	\$1,800.15	\$194.17	12.09%	\$1,433.00	\$1,392.74	-\$40.26	-2.81%	\$3,038.98	\$3,192.90	\$153.92	5.06%
4,250	\$1,663.08	\$1,861.99	\$198.91	11.96%	\$1,522.56	\$1,479.79	-\$42.77	-2.81%	\$3,185.64	\$3,341.78	\$156.14	4.90%
4,500	\$1,720.18	\$1,923.83	\$203.65	11.84%	\$1,612.12	\$1,566.84	-\$45.29	-2.81%	\$3,332.30	\$3,490.67	\$158.36	4.75%
4,750	\$1,777.28	\$1,985.67	\$208.39	11.73%	\$1,701.69	\$1,653.88	-\$47.80	-2.81%	\$3,478.96	\$3,639.55	\$160.59	4.62%
5,000	\$1,834.37	\$2,047.51	\$213.13	11.62%	\$1,791.25	\$1,740.93	-\$50.32	-2.81%	\$3,625.62	\$3,788.44	\$162.81	4.49%
5,250	\$1,891.47	\$2,109.34	\$217.87	11.52%	\$1,880.81	\$1,827.98	-\$52.84	-2.81%	\$3,772.28	\$3,937.32	\$165.04	4.37%
5,500	\$1,948.57	\$2,171.18	\$222.61	11.42%	\$1,970.37	\$1,915.02	-\$55.35	-2.81%	\$3,918.94	\$4,086.21	\$167.26	4.27%
5,750	\$2,005.67	\$2,233.02	\$227.35	11.34%	\$2,059.94	\$2,002.07	-\$57.87	-2.81%	\$4,065.60	\$4,235.09	\$169.49	4.17%
6,000	\$2,062.76	\$2,294.86	\$232.09	11.25%	\$2,149.50	\$2,089.12	-\$60.38	-2.81%	\$4,212.26	\$4,383.97	\$171.71	4.08%
6,250	\$2,119.86	\$2,356.70	\$236.83	11.17%	\$2,239.06	\$2,176.16	-\$62.90	-2.81%	\$4,358.92	\$4,532.86	\$173.93	3.99%
6,500	\$2,176.96	\$2,418.53	\$241.57	11.10%	\$2,328.62	\$2,263.21	-\$65.41	-2.81%	\$4,505.58	\$4,681.74	\$176.16	3.91%

Current	Proposed	Difference	Change
First 3 therms	\$199.66	\$230.43	\$30.77 15.41%
Next 497 therms	\$1,175,300	\$1,383,600	\$208,300 17.72%
Over 500 therms	\$0.200000	\$0.235400	\$0.0354 17.70%
Billing & Payment Processing	\$0.650000	\$1.020000	\$0.3700 56.92%
Delivery Rate Adjustment			
Site Investigation & Remediation Surcharge	\$0.016657	\$0.000000	(\$0.0167) -100.00%
Incremental State Assessment Surcharge	\$0.000000	\$0.000000	\$0.0000 0.00%
Leak Prone Pipe Surcharge	\$0.000000	\$0.000000	\$0.0000 0.00%
System Benefits Charge	\$0.001600	\$0.001600	\$0.0000 0.00%
Energy Efficiency Surcharge	\$0.007500	\$0.007500	\$0.0000 0.00%
Monthly Cost of Gas	\$0.336151	\$0.331792	(\$0.0044) -1.30%
Merchant Function Charge	\$0.017968	\$0.012379	(\$0.0056) -31.11%
GRT on Delivery	1.010000%	1.010000%	\$0.0000 0.00%
GRT on Supply	1.010000%	1.010000%	\$0.0000 0.00%
MTA on Delivery	0.155000%	0.155000%	\$0.0000 0.00%
MTA on Supply	0.155000%	0.155000%	\$0.0000 0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1A - Residential Non Heat

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
0	\$20.19	\$21.24	\$1.05	5.22%	\$0.00	\$0.00	\$0.00	0.00%	\$20.19	\$21.24	\$1.05	5.22%
3	\$20.21	\$21.27	\$1.05	5.21%	\$1.27	\$1.26	-\$0.01	-0.69%	\$21.49	\$22.53	\$1.04	4.86%
5	\$21.96	\$23.57	\$1.61	7.32%	\$2.12	\$2.11	-\$0.01	-0.69%	\$24.08	\$25.67	\$1.59	6.62%
7	\$23.70	\$25.87	\$2.16	9.12%	\$2.97	\$2.95	-\$0.02	-0.69%	\$26.67	\$28.81	\$2.14	8.03%
10	\$26.32	\$29.31	\$2.99	11.38%	\$4.24	\$4.21	-\$0.03	-0.69%	\$30.56	\$33.53	\$2.97	9.70%
15	\$30.68	\$35.06	\$4.38	14.28%	\$6.36	\$6.32	-\$0.04	-0.69%	\$37.04	\$41.38	\$4.34	11.71%
Typical	\$35.04	\$40.81	\$5.77	16.46%	\$8.49	\$8.43	-\$0.06	-0.69%	\$43.53	\$49.24	\$5.71	13.12%
25	\$39.40	\$46.56	\$7.15	18.16%	\$10.61	\$10.53	-\$0.07	-0.69%	\$50.01	\$57.09	\$7.08	14.16%
30	\$43.76	\$52.30	\$8.54	19.52%	\$12.73	\$12.64	-\$0.09	-0.69%	\$56.49	\$64.94	\$8.45	14.96%
35	\$48.12	\$58.05	\$9.93	20.63%	\$14.85	\$14.75	-\$0.10	-0.69%	\$62.97	\$72.80	\$9.83	15.60%
40	\$52.48	\$63.80	\$11.31	21.56%	\$16.97	\$16.85	-\$0.12	-0.69%	\$69.46	\$80.65	\$11.20	16.12%
45	\$56.85	\$69.55	\$12.70	22.34%	\$19.09	\$18.96	-\$0.13	-0.69%	\$75.94	\$88.51	\$12.57	16.55%
50	\$61.21	\$75.29	\$14.09	23.02%	\$21.21	\$21.07	-\$0.15	-0.69%	\$82.42	\$96.36	\$13.94	16.92%
55	\$62.28	\$76.69	\$14.42	23.15%	\$23.34	\$23.17	-\$0.16	-0.69%	\$85.61	\$99.87	\$14.26	16.65%
60	\$63.35	\$78.09	\$14.75	23.28%	\$25.46	\$25.28	-\$0.18	-0.69%	\$88.80	\$103.38	\$14.57	16.41%
65	\$64.42	\$79.49	\$15.07	23.40%	\$27.58	\$27.39	-\$0.19	-0.69%	\$92.00	\$106.88	\$14.88	16.18%
70	\$65.49	\$80.89	\$15.40	23.52%	\$29.70	\$29.50	-\$0.20	-0.69%	\$95.19	\$110.39	\$15.20	15.97%
75	\$66.56	\$82.29	\$15.73	23.64%	\$31.82	\$31.60	-\$0.22	-0.69%	\$98.38	\$113.89	\$15.51	15.77%
80	\$67.63	\$83.69	\$16.06	23.75%	\$33.94	\$33.71	-\$0.23	-0.69%	\$101.57	\$117.40	\$15.83	15.58%
85	\$68.70	\$85.09	\$16.39	23.86%	\$36.06	\$35.82	-\$0.25	-0.69%	\$104.77	\$120.91	\$16.14	15.41%
90	\$69.77	\$86.49	\$16.72	23.96%	\$38.19	\$37.92	-\$0.26	-0.69%	\$107.96	\$124.41	\$16.46	15.24%
100	\$71.91	\$89.29	\$17.38	24.16%	\$42.43	\$42.14	-\$0.29	-0.69%	\$114.34	\$131.43	\$17.08	14.94%
2017					2018						Difference	Change
First 3 or Less			\$18.53				\$19.18				\$0.65	3.51%
Next 47 Therms per Therm			\$0.835600				\$1.104200				\$0.269	32.14%
Over 50 Therms per Therm			\$0.198300				\$0.262000				\$0.064	32.12%
Billing & Payment Processing			\$1.020000				\$1.390000				\$0.370	36.27%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
Incremental State Assessment Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
Leak Prone Pipe Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
System Benefits Charge			\$0.001600				\$0.001600				\$0.000	0.00%
Energy Efficiency Surcharge			\$0.007500				\$0.007500				\$0.000	0.00%
Monthly Cost of Gas			\$0.405692				\$0.402679				(\$0.003)	-0.74%
Merchant Function Charge			\$0.013697				\$0.013820				\$0.000	0.90%
GRT on Delivery			3.093000%				3.093000%				\$0.000	0.00%
GRT on Supply			1.010000%				1.010000%				\$0.000	0.00%
MTA on Delivery			0.155000%				0.155000%				\$0.000	0.00%
MTA on Supply			0.155000%				0.155000%				\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1B - Residential Heat

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
0	\$23.42	\$23.80	\$0.38	1.63%	\$0.00	\$0.00	\$0.00	0.00%	\$23.42	\$23.80	\$0.38	1.63%
3	\$23.43	\$23.81	\$0.38	1.63%	\$1.27	\$1.26	-\$0.01	-0.69%	\$24.71	\$25.08	\$0.37	1.51%
10	\$31.19	\$32.30	\$1.12	3.58%	\$4.24	\$4.21	-\$0.03	-0.69%	\$35.43	\$36.52	\$1.09	3.07%
15	\$36.72	\$38.36	\$1.64	4.47%	\$6.36	\$6.32	-\$0.04	-0.69%	\$43.09	\$44.68	\$1.60	3.71%
20	\$42.26	\$44.43	\$2.17	5.12%	\$8.49	\$8.43	-\$0.06	-0.69%	\$50.75	\$52.85	\$2.11	4.15%
25	\$47.80	\$50.49	\$2.69	5.63%	\$10.61	\$10.53	-\$0.07	-0.69%	\$58.41	\$61.02	\$2.62	4.48%
30	\$53.34	\$56.55	\$3.21	6.03%	\$12.73	\$12.64	-\$0.09	-0.69%	\$66.07	\$69.19	\$3.13	4.73%
40	\$64.41	\$68.68	\$4.26	6.62%	\$16.97	\$16.85	-\$0.12	-0.69%	\$81.38	\$85.53	\$4.15	5.10%
50	\$75.49	\$80.80	\$5.31	7.04%	\$21.21	\$21.07	-\$0.15	-0.69%	\$96.70	\$101.87	\$5.17	5.34%
60	\$78.06	\$83.61	\$5.55	7.11%	\$25.46	\$25.28	-\$0.18	-0.69%	\$103.52	\$108.89	\$5.38	5.19%
70	\$80.63	\$86.42	\$5.79	7.18%	\$29.70	\$29.50	-\$0.20	-0.69%	\$110.33	\$115.92	\$5.59	5.06%
Typical	\$83.21	\$89.24	\$6.03	7.25%	\$33.94	\$33.71	-\$0.23	-0.69%	\$117.15	\$122.95	\$5.80	4.95%
100	\$88.35	\$94.86	\$6.51	7.37%	\$42.43	\$42.14	-\$0.29	-0.69%	\$130.78	\$137.00	\$6.22	4.75%
120	\$93.49	\$100.48	\$6.99	7.48%	\$50.91	\$50.56	-\$0.35	-0.69%	\$144.41	\$151.05	\$6.64	4.60%
140	\$98.64	\$106.11	\$7.47	7.57%	\$59.40	\$58.99	-\$0.41	-0.69%	\$158.04	\$165.10	\$7.06	4.47%
160	\$103.78	\$111.73	\$7.95	7.66%	\$67.89	\$67.42	-\$0.47	-0.69%	\$171.67	\$179.15	\$7.48	4.36%
180	\$108.93	\$117.35	\$8.43	7.74%	\$76.37	\$75.84	-\$0.53	-0.69%	\$185.30	\$193.20	\$7.90	4.26%
200	\$114.07	\$122.98	\$8.91	7.81%	\$84.86	\$84.27	-\$0.58	-0.69%	\$198.93	\$207.25	\$8.32	4.18%
220	\$119.21	\$128.60	\$9.38	7.87%	\$93.34	\$92.70	-\$0.64	-0.69%	\$212.56	\$221.30	\$8.74	4.11%
250	\$126.93	\$137.03	\$10.10	7.96%	\$106.07	\$105.34	-\$0.73	-0.69%	\$233.00	\$242.37	\$9.37	4.02%
300	\$139.79	\$151.09	\$11.30	8.08%	\$127.28	\$126.41	-\$0.88	-0.69%	\$267.07	\$277.50	\$10.42	3.90%
400	\$165.51	\$179.21	\$13.70	8.28%	\$169.71	\$168.54	-\$1.17	-0.69%	\$335.22	\$347.75	\$12.53	3.74%
	2017				2018						Difference	Change
First 3 or Less				\$21.66				\$21.66			\$0.00	0.00%
Next 47 Therms per Therm				\$1.068000				\$1.169600			\$0.102	9.51%
Over 50 Therms per Therm				\$0.244400				\$0.267600			\$0.023	9.49%
Billing & Payment Processing				\$1.020000				\$1.390000			\$0.370	36.27%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				-\$0.002800				-\$0.002800			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%
Monthly Cost of Gas				\$0.405692				\$0.402679			(\$0.003)	-0.74%
Merchant Function Charge				\$0.013697				\$0.013820			\$0.000	0.90%
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC IAR - Non Heat Reduced Rate

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$11.09	\$12.14	\$1.05	9.50%	\$0.00	\$0.00	\$0.00	0.00%	\$11.09	\$12.14	\$1.05	9.50%	
3	\$11.12	\$12.17	\$1.05	9.47%	\$1.27	\$1.26	-\$0.01	-0.69%	\$12.39	\$13.43	\$1.04	8.43%	
5	\$12.86	\$14.47	\$1.61	12.50%	\$2.12	\$2.11	-\$0.01	-0.69%	\$14.98	\$16.58	\$1.59	10.63%	
7	\$14.61	\$16.77	\$2.16	14.81%	\$2.97	\$2.95	-\$0.02	-0.69%	\$17.58	\$19.72	\$2.14	12.19%	
10	\$17.22	\$20.22	\$2.99	17.39%	\$4.24	\$4.21	-\$0.03	-0.69%	\$21.47	\$24.43	\$2.97	13.81%	
15	\$21.58	\$25.96	\$4.38	20.30%	\$6.36	\$6.32	-\$0.04	-0.69%	\$27.95	\$32.29	\$4.34	15.52%	
Typical	20	\$25.94	\$31.71	\$5.77	22.23%	\$8.49	\$8.43	-\$0.06	-0.69%	\$34.43	\$40.14	\$5.71	16.58%
	25	\$30.31	\$37.46	\$7.15	23.61%	\$10.61	\$10.53	-\$0.07	-0.69%	\$40.91	\$47.99	\$7.08	17.31%
	30	\$34.67	\$43.21	\$8.54	24.64%	\$12.73	\$12.64	-\$0.09	-0.69%	\$47.39	\$55.85	\$8.45	17.84%
	35	\$39.03	\$48.96	\$9.93	25.44%	\$14.85	\$14.75	-\$0.10	-0.69%	\$53.88	\$63.70	\$9.83	18.24%
	40	\$43.39	\$54.70	\$11.31	26.08%	\$16.97	\$16.85	-\$0.12	-0.69%	\$60.36	\$71.56	\$11.20	18.55%
	45	\$47.75	\$60.45	\$12.70	26.60%	\$19.09	\$18.96	-\$0.13	-0.69%	\$66.84	\$79.41	\$12.57	18.81%
	50	\$52.11	\$66.20	\$14.09	27.04%	\$21.21	\$21.07	-\$0.15	-0.69%	\$73.32	\$87.27	\$13.94	19.01%
	55	\$55.18	\$67.60	\$14.42	27.11%	\$23.34	\$23.17	-\$0.16	-0.69%	\$76.52	\$90.77	\$14.26	18.63%
	60	\$54.25	\$69.00	\$14.75	27.18%	\$25.46	\$25.28	-\$0.18	-0.69%	\$79.71	\$94.28	\$14.57	18.28%
	65	\$55.32	\$70.40	\$15.07	27.25%	\$27.58	\$27.39	-\$0.19	-0.69%	\$82.90	\$97.78	\$14.88	17.95%
	70	\$56.39	\$71.80	\$15.40	27.31%	\$29.70	\$29.50	-\$0.20	-0.69%	\$86.09	\$101.29	\$15.20	17.65%
	75	\$57.46	\$73.20	\$15.73	27.38%	\$31.82	\$31.60	-\$0.22	-0.69%	\$89.28	\$104.80	\$15.51	17.37%
	80	\$58.53	\$74.60	\$16.06	27.44%	\$33.94	\$33.71	-\$0.23	-0.69%	\$92.48	\$108.30	\$15.83	17.11%
	85	\$59.60	\$75.99	\$16.39	27.50%	\$36.06	\$35.82	-\$0.25	-0.69%	\$95.67	\$111.81	\$16.14	16.87%
	90	\$60.68	\$77.39	\$16.72	27.55%	\$38.19	\$37.92	-\$0.26	-0.69%	\$98.86	\$115.32	\$16.46	16.65%
	100	\$62.82	\$80.19	\$17.38	27.66%	\$42.43	\$42.14	-\$0.29	-0.69%	\$105.25	\$122.33	\$17.08	16.23%
	2017				2018						Difference	Change	
First 3 or Less				\$9.72				\$10.37			\$0.65	6.69%	
Next 47 Therms per Therm				\$0.835600				\$1.104200			\$0.269	32.14%	
Over 50 Therms per Therm				\$0.198300				\$0.262000			\$0.064	32.12%	
Billing & Payment Processing				\$1.020000				\$1.390000			\$0.370	36.27%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.001600				\$0.001600			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%	
Monthly Cost of Gas				\$0.405692				\$0.402679			(\$0.003)	-0.74%	
Merchant Function Charge				\$0.013697				\$0.013820			\$0.000	0.90%	
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%	
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%	
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%	
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1B DG - Residential Heat Distributed Generation

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$35.17	\$35.55	\$0.38	1.09%	\$0.00	\$0.00	\$0.00	0.00%	\$35.17	\$35.55	\$0.38	1.09%	
3	\$35.18	\$35.56	\$0.38	1.09%	\$1.27	\$1.26	-\$0.01	-0.69%	\$36.46	\$36.83	\$0.37	1.02%	
10	\$36.13	\$36.51	\$0.38	1.06%	\$4.24	\$4.21	-\$0.03	-0.69%	\$40.37	\$40.72	\$0.35	0.87%	
15	\$36.80	\$37.18	\$0.38	1.04%	\$6.36	\$6.32	-\$0.04	-0.69%	\$43.17	\$43.50	\$0.34	0.78%	
20	\$37.48	\$37.86	\$0.38	1.02%	\$8.49	\$8.43	-\$0.06	-0.69%	\$45.96	\$46.29	\$0.32	0.70%	
30	\$38.83	\$39.21	\$0.38	0.98%	\$12.73	\$12.64	-\$0.09	-0.69%	\$51.55	\$51.85	\$0.29	0.57%	
40	\$40.18	\$40.56	\$0.38	0.95%	\$16.97	\$16.85	-\$0.12	-0.69%	\$57.15	\$57.41	\$0.27	0.46%	
50	\$41.53	\$41.91	\$0.38	0.92%	\$21.21	\$21.07	-\$0.15	-0.69%	\$62.74	\$62.98	\$0.24	0.38%	
75	\$44.90	\$45.28	\$0.38	0.85%	\$31.82	\$31.60	-\$0.22	-0.69%	\$76.72	\$76.88	\$0.16	0.21%	
Typical	100	\$48.27	\$48.65	\$0.38	0.79%	\$42.43	\$42.14	-\$0.29	-0.69%	\$90.70	\$90.79	\$0.09	0.10%
125	\$51.65	\$52.03	\$0.38	0.74%	\$53.04	\$52.67	-\$0.37	-0.69%	\$104.68	\$104.70	\$0.02	0.02%	
150	\$55.02	\$55.40	\$0.38	0.69%	\$63.64	\$63.20	-\$0.44	-0.69%	\$118.66	\$118.61	(\$0.06)	-0.05%	
175	\$58.39	\$58.78	\$0.38	0.65%	\$74.25	\$73.74	-\$0.51	-0.69%	\$132.64	\$132.51	(\$0.13)	-0.10%	
200	\$61.77	\$62.15	\$0.38	0.62%	\$84.86	\$84.27	-\$0.58	-0.69%	\$146.62	\$146.42	(\$0.20)	-0.14%	
225	\$65.14	\$65.52	\$0.38	0.59%	\$95.46	\$94.81	-\$0.66	-0.69%	\$160.61	\$160.33	(\$0.28)	-0.17%	
250	\$68.52	\$68.90	\$0.38	0.56%	\$106.07	\$105.34	-\$0.73	-0.69%	\$174.59	\$174.24	(\$0.35)	-0.20%	
275	\$71.89	\$72.27	\$0.38	0.53%	\$116.68	\$115.87	-\$0.80	-0.69%	\$188.57	\$188.14	(\$0.42)	-0.22%	
300	\$75.26	\$75.65	\$0.38	0.51%	\$127.28	\$126.41	-\$0.88	-0.69%	\$202.55	\$202.05	(\$0.50)	-0.24%	
325	\$78.64	\$79.02	\$0.38	0.49%	\$137.89	\$136.94	-\$0.95	-0.69%	\$216.53	\$215.96	(\$0.57)	-0.26%	
350	\$82.01	\$82.39	\$0.38	0.47%	\$148.50	\$147.48	-\$1.02	-0.69%	\$230.51	\$229.87	(\$0.64)	-0.28%	
375	\$85.38	\$85.77	\$0.38	0.45%	\$159.11	\$158.01	-\$1.10	-0.69%	\$244.49	\$243.78	(\$0.71)	-0.29%	
400	\$88.76	\$89.14	\$0.38	0.43%	\$169.71	\$168.54	-\$1.17	-0.69%	\$258.47	\$257.68	(\$0.79)	-0.30%	
2017					2018					Difference	Change		
First 3 or Less				\$33.04				\$33.04		\$0.00	0.00%		
Next 47 Therms per Therm				\$0.126000				\$0.126000		\$0.000	0.00%		
Over 50 Therms per Therm				\$0.000000				\$0.000000		\$0.000	0.00%		
Billing & Payment Processing				\$1.020000				\$1.390000		\$0.370	36.27%		
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000		\$0.000	0.00%		
Incremental State Assessment Surcharge				\$0.000000				\$0.000000		\$0.000	0.00%		
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000		\$0.000	0.00%		
System Benefits Charge				-\$0.002800				-\$0.002800		\$0.000	0.00%		
Energy Efficiency Surcharge				\$0.007500				\$0.007500		\$0.000	0.00%		
Monthly Cost of Gas				\$0.405692				\$0.402679		(\$0.003)	-0.74%		
Merchant Function Charge				\$0.013697				\$0.013820		\$0.000	0.90%		
GRT on Delivery				3.093000%				3.093000%		\$0.000	0.00%		
GRT on Supply				1.010000%				1.010000%		\$0.000	0.00%		
MTA on Delivery				0.155000%				0.155000%		\$0.000	0.00%		
MTA on Supply				0.155000%				0.155000%		\$0.000	0.00%		

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1 BR - Heat Reduced Rate (Tier 1)

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$4.81	-\$18.53	-\$23.35	-485.19%	\$0.00	\$0.00	\$0.00	0.00%	\$4.81	-\$18.53	(\$23.35)	-485.19%	
3	\$4.83	-\$18.52	-\$23.35	-483.73%	\$1.27	\$1.26	-\$0.01	-0.69%	\$6.10	-\$17.26	(\$23.35)	-382.92%	
10	\$9.56	-\$10.03	-\$19.59	-204.96%	\$4.24	\$4.21	-\$0.03	-0.69%	\$13.80	-\$5.82	(\$19.62)	-142.16%	
15	\$12.94	-\$3.97	-\$16.91	-130.68%	\$6.36	\$6.32	-\$0.04	-0.69%	\$19.30	\$2.35	(\$16.95)	-87.82%	
20	\$16.32	\$2.09	-\$14.22	-87.17%	\$8.49	\$8.43	-\$0.06	-0.69%	\$24.80	\$10.52	(\$14.28)	-57.59%	
25	\$19.70	\$8.16	-\$11.54	-58.60%	\$10.61	\$10.53	-\$0.07	-0.69%	\$30.31	\$18.69	(\$11.62)	-38.33%	
30	\$23.08	\$14.22	-\$8.86	-38.39%	\$12.73	\$12.64	-\$0.09	-0.69%	\$35.81	\$26.86	(\$8.95)	-24.99%	
40	\$29.84	\$26.34	-\$3.49	-11.71%	\$16.97	\$16.85	-\$0.12	-0.69%	\$46.81	\$43.20	(\$3.61)	-7.72%	
50	\$36.60	\$38.47	\$1.87	5.11%	\$21.21	\$21.07	-\$0.15	-0.69%	\$57.81	\$59.54	\$1.72	2.98%	
60	\$39.17	\$41.28	\$2.11	5.39%	\$25.46	\$25.28	-\$0.18	-0.69%	\$64.63	\$66.56	\$1.93	2.99%	
70	\$41.74	\$44.09	\$2.35	5.63%	\$29.70	\$29.50	-\$0.20	-0.69%	\$71.44	\$73.59	\$2.14	3.00%	
80	\$44.31	\$46.90	\$2.59	5.84%	\$33.94	\$33.71	-\$0.23	-0.69%	\$78.26	\$80.61	\$2.35	3.01%	
100	\$49.46	\$52.53	\$3.07	6.20%	\$42.43	\$42.14	-\$0.29	-0.69%	\$91.89	\$94.66	\$2.78	3.02%	
Typical	120	\$54.60	\$58.15	\$3.55	6.50%	\$50.91	\$50.56	-\$0.35	-0.69%	\$105.52	\$108.71	\$3.20	3.03%
	140	\$59.75	\$63.77	\$4.03	6.74%	\$59.40	\$58.99	-\$0.41	-0.69%	\$119.15	\$122.76	\$3.62	3.04%
	160	\$64.89	\$69.40	\$4.51	6.94%	\$67.89	\$67.42	-\$0.47	-0.69%	\$132.78	\$136.81	\$4.04	3.04%
	180	\$70.03	\$75.02	\$4.98	7.12%	\$76.37	\$75.84	-\$0.53	-0.69%	\$146.41	\$150.86	\$4.46	3.04%
	200	\$75.18	\$80.64	\$5.46	7.27%	\$84.86	\$84.27	-\$0.58	-0.69%	\$160.03	\$164.91	\$4.88	3.05%
	220	\$80.32	\$86.26	\$5.94	7.40%	\$93.34	\$92.70	-\$0.64	-0.69%	\$173.66	\$178.96	\$5.30	3.05%
	250	\$88.04	\$94.70	\$6.66	7.57%	\$106.07	\$105.34	-\$0.73	-0.69%	\$194.11	\$200.04	\$5.93	3.06%
	300	\$100.90	\$108.76	\$7.86	7.79%	\$127.28	\$126.41	-\$0.88	-0.69%	\$228.18	\$235.16	\$6.98	3.06%
	400	\$126.62	\$136.87	\$10.25	8.10%	\$169.71	\$168.54	-\$1.17	-0.69%	\$296.33	\$305.42	\$9.08	3.07%

	2017	2018	Difference	Change
First 3 or Less			\$3.64	-\$19.34
Next 47 Therms per Therm			\$0.650000	\$1.169600
Over 50 Therms per Therm			\$0.244400	\$0.267600
Billing & Payment Processing			\$1.020000	\$1.390000
Delivery Rate Adjustment				
Site Investigation & Remediation Surcharge			\$0.000000	\$0.000000
Incremental State Assessment Surcharge			\$0.000000	\$0.000000
Leak Prone Pipe Surcharge			\$0.000000	\$0.000000
Revenue Decoupling Mechanism			\$0.000000	\$0.000000
System Benefits Charge			-\$0.002800	-\$0.002800
Energy Efficiency Surcharge			\$0.007500	\$0.007500
Monthly Cost of Gas			\$0.405692	\$0.402679
Merchant Function Charge			\$0.013697	\$0.013820
GRT on Delivery			3.093000%	3.093000%
GRT on Supply			1.010000%	1.010000%
MTA on Delivery			0.155000%	0.155000%
MTA on Supply			0.155000%	0.155000%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1 BR - Heat Reduced Rate (Tier 2)

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$4.81	-\$35.05	-\$39.87	-828.54%	\$0.00	\$0.00	\$0.00	0.00%	\$4.81	-\$35.05	(\$39.87)	-828.54%	
3	\$4.83	-\$35.04	-\$39.87	-826.04%	\$1.27	\$1.26	-\$0.01	-0.69%	\$6.10	-\$33.78	(\$39.87)	-653.79%	
10	\$9.56	-\$26.55	-\$36.11	-377.80%	\$4.24	\$4.21	-\$0.03	-0.69%	\$13.80	-\$22.34	(\$36.14)	-261.86%	
15	\$12.94	-\$20.49	-\$33.43	-258.37%	\$6.36	\$6.32	-\$0.04	-0.69%	\$19.30	-\$14.17	(\$33.47)	-173.41%	
20	\$16.32	-\$14.43	-\$30.75	-188.41%	\$8.49	\$8.43	-\$0.06	-0.69%	\$24.80	-\$6.00	(\$30.80)	-124.19%	
25	\$19.70	-\$8.36	-\$28.06	-142.47%	\$10.61	\$10.53	-\$0.07	-0.69%	\$30.31	\$2.17	(\$28.14)	-92.84%	
30	\$23.08	-\$2.30	-\$25.38	-109.98%	\$12.73	\$12.64	-\$0.09	-0.69%	\$35.81	\$10.34	(\$25.47)	-71.13%	
40	\$29.84	\$9.82	-\$20.02	-67.08%	\$16.97	\$16.85	-\$0.12	-0.69%	\$46.81	\$26.68	(\$20.13)	-43.01%	
50	\$36.60	\$21.95	-\$14.65	-40.03%	\$21.21	\$21.07	-\$0.15	-0.69%	\$57.81	\$43.02	(\$14.80)	-25.59%	
60	\$39.17	\$24.76	-\$14.41	-36.79%	\$25.46	\$25.28	-\$0.18	-0.69%	\$64.63	\$50.04	(\$14.59)	-22.57%	
70	\$41.74	\$27.57	-\$14.17	-33.95%	\$29.70	\$29.50	-\$0.20	-0.69%	\$71.44	\$57.07	(\$14.38)	-20.12%	
80	\$44.31	\$30.38	-\$13.93	-31.44%	\$33.94	\$33.71	-\$0.23	-0.69%	\$78.26	\$64.09	(\$14.17)	-18.10%	
100	\$49.46	\$36.01	-\$13.45	-27.20%	\$42.43	\$42.14	-\$0.29	-0.69%	\$91.89	\$78.14	(\$13.74)	-14.96%	
Typical	120	\$54.60	\$41.63	-\$12.97	-23.76%	\$50.91	\$50.56	-\$0.35	-0.69%	\$105.52	\$92.19	(\$13.32)	-12.63%
140	\$59.75	\$47.25	-\$12.49	-20.91%	\$59.40	\$58.99	-\$0.41	-0.69%	\$119.15	\$106.24	(\$12.90)	-10.83%	
160	\$64.89	\$52.87	-\$12.02	-18.52%	\$67.89	\$67.42	-\$0.47	-0.69%	\$132.78	\$120.29	(\$12.48)	-9.40%	
180	\$70.03	\$58.50	-\$11.54	-16.47%	\$76.37	\$75.84	-\$0.53	-0.69%	\$146.41	\$134.34	(\$12.06)	-8.24%	
200	\$75.18	\$64.12	-\$11.06	-14.71%	\$84.86	\$84.27	-\$0.58	-0.69%	\$160.03	\$148.39	(\$11.64)	-7.27%	
220	\$80.32	\$69.74	-\$10.58	-13.17%	\$93.34	\$92.70	-\$0.64	-0.69%	\$173.66	\$162.44	(\$11.22)	-6.46%	
250	\$88.04	\$78.18	-\$9.86	-11.20%	\$106.07	\$105.34	-\$0.73	-0.69%	\$194.11	\$183.52	(\$10.59)	-5.46%	
300	\$100.90	\$92.24	-\$8.66	-8.58%	\$127.28	\$126.41	-\$0.88	-0.69%	\$228.18	\$218.64	(\$9.54)	-4.18%	
400	\$126.62	\$120.35	-\$6.27	-4.95%	\$169.71	\$168.54	-\$1.17	-0.69%	\$296.33	\$288.90	(\$7.44)	-2.51%	
	2017				2018					Difference	Change		
First 3 or Less			\$3.64				-\$35.34			(\$38.98)	-1070.88%		
Next 47 Therms per Therm			\$0.650000				\$1.169600			\$0.520	79.94%		
Over 50 Therms per Therm			\$0.244400				\$0.267600			\$0.023	9.49%		
Billing & Payment Processing			\$1.020000				\$1.390000			\$0.370	36.27%		
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge			\$0.000000				\$0.000000			\$0.000	0.00%		
Incremental State Assessment Surcharge			\$0.000000				\$0.000000			\$0.000	0.00%		
Leak Prone Pipe Surcharge			\$0.000000				\$0.000000			\$0.000	0.00%		
Revenue Decoupling Mechanism			\$0.000000				\$0.000000			\$0.000	0.00%		
System Benefits Charge			-\$0.002800				-\$0.002800			\$0.000	0.00%		
Energy Efficiency Surcharge			\$0.007500				\$0.007500			\$0.000	0.00%		
Monthly Cost of Gas			\$0.405692				\$0.402679			(\$0.003)	-0.74%		
Merchant Function Charge			\$0.013697				\$0.013820			\$0.000	0.90%		
GRT on Delivery			3.093000%				3.093000%			\$0.000	0.00%		
GRT on Supply			1.010000%				1.010000%			\$0.000	0.00%		
MTA on Delivery			0.155000%				0.155000%			\$0.000	0.00%		
MTA on Supply			0.155000%				0.155000%			\$0.000	0.00%		

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1 BR - Heat Reduced Rate (Tier 3)

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$4.81	-\$52.61	-\$57.42	-1193.35%	\$0.00	\$0.00	\$0.00	0.00%	\$4.81	-\$52.61	(\$57.42)	-1193.35%	
3	\$4.83	-\$52.59	-\$57.42	-1189.75%	\$1.27	\$1.26	-\$0.01	-0.69%	\$6.10	-\$51.33	(\$57.43)	-941.59%	
10	\$9.56	-\$44.11	-\$53.66	-561.44%	\$4.24	\$4.21	-\$0.03	-0.69%	\$13.80	-\$39.89	(\$53.69)	-389.05%	
15	\$12.94	-\$38.04	-\$50.98	-394.04%	\$6.36	\$6.32	-\$0.04	-0.69%	\$19.30	-\$31.72	(\$51.02)	-264.34%	
20	\$16.32	-\$31.98	-\$48.30	-295.98%	\$8.49	\$8.43	-\$0.06	-0.69%	\$24.80	-\$23.55	(\$48.36)	-194.96%	
25	\$19.70	-\$25.92	-\$45.62	-231.58%	\$10.61	\$10.53	-\$0.07	-0.69%	\$30.31	-\$15.38	(\$45.69)	-150.76%	
30	\$23.08	-\$19.86	-\$42.93	-186.04%	\$12.73	\$12.64	-\$0.09	-0.69%	\$35.81	-\$7.21	(\$43.02)	-120.15%	
40	\$29.84	-\$7.73	-\$37.57	-125.91%	\$16.97	\$16.85	-\$0.12	-0.69%	\$46.81	\$9.12	(\$37.69)	-80.51%	
50	\$36.60	\$4.39	-\$32.20	-87.99%	\$21.21	\$21.07	-\$0.15	-0.69%	\$57.81	\$25.46	(\$32.35)	-55.96%	
60	\$39.17	\$7.21	-\$31.96	-81.60%	\$25.46	\$25.28	-\$0.18	-0.69%	\$64.63	\$32.49	(\$32.14)	-49.73%	
70	\$41.74	\$10.02	-\$31.72	-76.00%	\$29.70	\$29.50	-\$0.20	-0.69%	\$71.44	\$39.51	(\$31.93)	-44.69%	
80	\$44.31	\$12.83	-\$31.48	-71.05%	\$33.94	\$33.71	-\$0.23	-0.69%	\$78.26	\$46.54	(\$31.72)	-40.53%	
100	\$49.46	\$18.45	-\$31.01	-62.69%	\$42.43	\$42.14	-\$0.29	-0.69%	\$91.89	\$60.59	(\$31.30)	-34.06%	
Typical	120	\$54.60	\$24.08	-\$30.53	-\$55.91%	\$50.91	\$50.56	-\$0.35	-0.69%	\$105.52	\$74.64	(\$30.88)	-29.26%
	140	\$59.75	\$29.70	-\$30.05	-50.29%	\$59.40	\$58.99	-\$0.41	-0.69%	\$119.15	\$88.69	(\$30.46)	-25.56%
	160	\$64.89	\$35.32	-\$29.57	-45.57%	\$67.89	\$67.42	-\$0.47	-0.69%	\$132.78	\$102.74	(\$30.04)	-22.62%
	180	\$70.03	\$40.95	-\$29.09	-41.54%	\$76.37	\$75.84	-\$0.53	-0.69%	\$146.41	\$116.79	(\$29.62)	-20.23%
	200	\$75.18	\$46.57	-\$28.61	-38.06%	\$84.86	\$84.27	-\$0.58	-0.69%	\$160.03	\$130.84	(\$29.19)	-18.24%
	220	\$80.32	\$52.19	-\$28.13	-35.02%	\$93.34	\$92.70	-\$0.64	-0.69%	\$173.66	\$144.89	(\$28.77)	-16.57%
	250	\$88.04	\$60.63	-\$27.41	-31.14%	\$106.07	\$105.34	-\$0.73	-0.69%	\$194.11	\$165.97	(\$28.14)	-14.50%
	300	\$100.90	\$74.68	-\$26.21	-25.98%	\$127.28	\$126.41	-\$0.88	-0.69%	\$228.18	\$201.09	(\$27.09)	-11.87%
	400	\$126.62	\$102.80	-\$23.82	-18.81%	\$169.71	\$168.54	-\$1.17	-0.69%	\$296.33	\$271.34	(\$24.99)	-8.43%
					2017		2018				Difference	Change	
First 3 or Less				\$3.64				-\$52.34			(\$55.98)	-1537.91%	
Next 47 Therms per Therm				\$0.650000				\$1.169600			\$0.520	79.94%	
Over 50 Therms per Therm				\$0.244400				\$0.267600			\$0.023	9.49%	
Billing & Payment Processing				\$1.020000				\$1.390000			\$0.370	36.27%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				-\$0.002800				-\$0.002800			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%	
Monthly Cost of Gas				\$0.405692				\$0.402679			(\$0.003)	-0.74%	
Merchant Function Charge				\$0.013697				\$0.013820			\$0.000	0.90%	
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%	
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%	
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%	
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 2-A - Non-Residential Non Heat

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
0	\$39.13	\$39.51	\$0.37	0.96%	\$0.00	\$0.00	\$0.00	0.00%	\$39.13	\$39.51	\$0.37	0.96%
3	\$39.16	\$39.53	\$0.37	0.96%	\$1.27	\$1.26	-\$0.01	-0.69%	\$40.43	\$40.80	\$0.37	0.90%
10	\$49.50	\$50.81	\$1.31	2.64%	\$4.24	\$4.21	-\$0.03	-0.69%	\$53.74	\$55.02	\$1.28	2.38%
30	\$79.04	\$83.02	\$3.98	5.03%	\$12.73	\$12.64	-\$0.09	-0.69%	\$91.77	\$95.66	\$3.89	4.24%
50	\$108.58	\$115.23	\$6.65	6.12%	\$21.21	\$21.07	-\$0.15	-0.69%	\$129.79	\$136.29	\$6.50	5.01%
70	\$138.12	\$147.43	\$9.31	6.74%	\$29.70	\$29.50	-\$0.20	-0.69%	\$167.82	\$176.93	\$9.11	5.43%
90	\$167.66	\$179.64	\$11.98	7.15%	\$38.19	\$37.92	-\$0.26	-0.69%	\$205.85	\$217.57	\$11.72	5.69%
110	\$173.88	\$186.41	\$12.53	7.21%	\$46.67	\$46.35	-\$0.32	-0.69%	\$220.55	\$232.76	\$12.21	5.54%
150	\$186.32	\$199.95	\$13.63	7.31%	\$63.64	\$63.20	-\$0.44	-0.69%	\$249.96	\$263.15	\$13.19	5.28%
200	\$201.87	\$216.87	\$15.00	7.43%	\$84.86	\$84.27	-\$0.58	-0.69%	\$286.73	\$301.14	\$14.41	5.03%
250	\$217.42	\$233.79	\$16.37	7.53%	\$106.07	\$105.34	-\$0.73	-0.69%	\$323.49	\$339.13	\$15.64	4.83%
300	\$232.97	\$250.71	\$17.74	7.62%	\$127.28	\$126.41	-\$0.88	-0.69%	\$360.25	\$377.12	\$16.86	4.68%
Typical	\$295.16	\$318.39	\$23.22	7.87%	\$212.14	\$210.68	-\$1.46	-0.69%	\$507.31	\$529.07	\$21.76	4.29%
700	\$357.36	\$386.07	\$28.71	8.03%	\$297.00	\$294.95	-\$2.05	-0.69%	\$654.36	\$681.02	\$26.66	4.07%
900	\$419.56	\$453.75	\$34.19	8.15%	\$381.85	\$379.22	-\$2.63	-0.69%	\$801.41	\$832.97	\$31.56	3.94%
1,100	\$481.76	\$521.43	\$39.67	8.24%	\$466.71	\$463.49	-\$3.22	-0.69%	\$948.47	\$984.92	\$36.46	3.84%
1,300	\$543.95	\$589.11	\$45.16	8.30%	\$551.57	\$547.77	-\$3.80	-0.69%	\$1,095.52	\$1,136.88	\$41.36	3.78%
1,500	\$606.15	\$656.79	\$50.64	8.35%	\$636.42	\$632.04	-\$4.39	-0.69%	\$1,242.57	\$1,288.83	\$46.25	3.72%
1,700	\$668.35	\$724.47	\$56.12	8.40%	\$721.28	\$716.31	-\$4.97	-0.69%	\$1,389.63	\$1,440.78	\$51.15	3.68%
1,900	\$730.55	\$792.15	\$61.61	8.43%	\$806.14	\$800.58	-\$5.56	-0.69%	\$1,536.68	\$1,592.73	\$56.05	3.65%
2,100	\$792.74	\$859.83	\$67.09	8.46%	\$890.99	\$884.85	-\$6.14	-0.69%	\$1,683.74	\$1,744.69	\$60.95	3.62%
3,000	\$1,072.63	\$1,164.39	\$91.76	8.56%	\$1,272.85	\$1,264.08	-\$8.77	-0.69%	\$2,345.48	\$2,428.47	\$82.99	3.54%
4,000	\$1,262.92	\$1,371.18	\$108.25	8.57%	\$1,697.13	\$1,685.43	-\$11.70	-0.69%	\$2,960.05	\$3,056.61	\$96.56	3.26%
5,000	\$1,453.22	\$1,577.96	\$124.74	8.58%	\$2,121.41	\$2,106.79	-\$14.62	-0.69%	\$3,574.63	\$3,684.76	\$110.13	3.08%
6,000	\$1,643.51	\$1,784.75	\$141.23	8.59%	\$2,545.69	\$2,528.15	-\$17.54	-0.69%	\$4,189.21	\$4,312.90	\$123.69	2.95%
7,000	\$1,833.81	\$1,991.53	\$157.73	8.60%	\$2,969.98	\$2,949.51	-\$20.47	-0.69%	\$4,803.78	\$4,941.04	\$137.26	2.86%
8,000	\$2,024.10	\$2,198.32	\$174.22	8.61%	\$3,394.26	\$3,370.87	-\$23.39	-0.69%	\$5,418.36	\$5,569.18	\$150.82	2.78%
9,000	\$2,214.40	\$2,405.10	\$190.71	8.61%	\$3,818.54	\$3,792.23	-\$26.32	-0.69%	\$6,032.94	\$6,197.33	\$164.39	2.72%
10,000	\$2,404.69	\$2,611.89	\$207.20	8.62%	\$4,242.82	\$4,213.58	-\$29.24	-0.69%	\$6,647.51	\$6,825.47	\$177.96	2.68%
11,000	\$2,594.98	\$2,818.67	\$223.69	8.62%	\$4,667.11	\$4,634.94	-\$32.16	-0.69%	\$7,262.09	\$7,453.61	\$191.52	2.64%
12,000	\$2,785.28	\$3,025.45	\$240.18	8.62%	\$5,091.39	\$5,056.30	-\$35.09	-0.69%	\$7,876.67	\$8,081.75	\$205.09	2.60%
13,000	\$2,975.57	\$3,232.24	\$256.67	8.63%	\$5,515.67	\$5,477.66	-\$38.01	-0.69%	\$8,491.24	\$8,709.90	\$218.66	2.58%
15,000	\$3,356.16	\$3,645.81	\$289.65	8.63%	\$6,364.23	\$6,320.38	-\$43.86	-0.69%	\$9,720.40	\$9,966.18	\$245.79	2.53%
20,000	\$4,307.63	\$4,679.73	\$372.10	8.64%	\$8,485.65	\$8,427.17	-\$58.48	-0.69%	\$12,793.28	\$13,106.90	\$313.62	2.45%
25,000	\$5,259.10	\$5,713.65	\$454.55	8.64%	\$10,607.06	\$10,533.96	-\$73.10	-0.69%	\$15,866.16	\$16,247.61	\$381.45	2.40%
30,000	\$6,210.58	\$6,747.57	\$537.00	8.65%	\$12,728.47	\$12,640.75	-\$87.72	-0.69%	\$18,939.04	\$19,388.33	\$449.28	2.37%
35,000	\$7,162.05	\$7,781.50	\$619.45	8.65%	\$14,849.88	\$14,747.54	-\$102.34	-0.69%	\$22,011.93	\$22,529.04	\$517.11	2.35%
40,000	\$8,113.52	\$8,815.42	\$701.90	8.65%	\$16,971.29	\$16,854.33	-\$116.96	-0.69%	\$25,084.81	\$25,669.75	\$584.94	2.33%
45,000	\$9,064.99	\$9,849.34	\$784.35	8.65%	\$19,092.70	\$18,961.13	-\$131.58	-0.69%	\$28,157.69	\$28,810.47	\$652.77	2.32%
50,000	\$10,016.46	\$10,883.26	\$866.80	8.65%	\$21,214.11	\$21,067.92	-\$146.20	-0.69%	\$31,230.58	\$31,951.18	\$720.61	2.31%
2017					2018						Difference	Change
First 3 therms			\$37.66				\$37.66			\$0.00	0.00%	
Next 87 therms			\$1,450,900				\$1,582,800			\$0.132	9.09%	
Next 2,910 therms			\$0,298,300				\$0,325,400			\$0.027	9.08%	
Over 3,000 therms			\$0,179,000				\$0,195,300			\$0.016	9.11%	
Billing & Payment Processing			\$1,020,000				\$1,390,000			\$0.370	36.27%	
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0,000,000				\$0,000,000			\$0.000	0.00%	
Incremental State Assessment Surcharge			\$0,000,000				\$0,000,000			\$0.000	0.00%	
Leak Prone Pipe Surcharge			\$0,000,000				\$0,000,000			\$0.000	0.00%	
System Benefits Charge			\$0,001,600				\$0,001,600			\$0.000	0.00%	
Energy Efficiency Surcharge			\$0,007,500				\$0,007,500			\$0.000	0.00%	
Monthly Cost of Gas			\$0,405,692				\$0,402,679			(\$0.003)	-0.74%	
Merchant Function Charge			\$0,013,697				\$0,013,820			\$0.000	0.90%	
GRT on Delivery			1.010000%				1.010000%			\$0.000	0.00%	
GRT on Supply			1.010000%				1.010000%			\$0.000	0.00%	
MTA on Delivery			0.155000%				0.155000%			\$0.000	0.00%	
MTA on Supply			0.155000%				0.155000%			\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 2-B - Non Residential Heat

	Delivery				Commodity				Total			
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change
Therm Usage												
0	\$39.13	\$39.51	\$0.37	0.96%	\$0.00	\$0.00	\$0.00	0.00%	\$39.13	\$39.51	\$0.37	0.96%
3	\$39.16	\$39.53	\$0.37	0.96%	\$1.27	\$1.26	-\$0.01	-0.69%	\$40.43	\$40.80	\$0.37	0.90%
10	\$49.61	\$51.01	\$1.41	2.83%	\$4.24	\$4.21	-\$0.03	-0.69%	\$53.85	\$55.23	\$1.38	2.56%
15	\$57.07	\$59.21	\$2.14	3.76%	\$6.36	\$6.32	-\$0.04	-0.69%	\$63.44	\$65.53	\$2.10	3.31%
20	\$64.53	\$67.42	\$2.88	4.46%	\$8.49	\$8.43	-\$0.06	-0.69%	\$73.02	\$75.84	\$2.82	3.86%
25	\$72.00	\$75.62	\$3.62	5.02%	\$10.61	\$10.53	-\$0.07	-0.69%	\$82.61	\$86.15	\$3.54	4.29%
30	\$79.46	\$83.82	\$4.35	5.48%	\$12.73	\$12.64	-\$0.09	-0.69%	\$92.19	\$96.46	\$4.27	4.63%
40	\$94.39	\$100.22	\$5.83	6.17%	\$16.97	\$16.85	-\$0.12	-0.69%	\$111.36	\$117.07	\$5.71	5.13%
50	\$109.32	\$116.62	\$7.30	6.68%	\$21.21	\$21.07	-\$0.15	-0.69%	\$130.53	\$137.69	\$7.16	5.48%
60	\$124.24	\$133.02	\$8.78	7.06%	\$25.46	\$25.28	-\$0.18	-0.69%	\$149.70	\$158.30	\$8.60	5.75%
70	\$139.17	\$149.42	\$10.25	7.37%	\$29.70	\$29.50	-\$0.20	-0.69%	\$168.87	\$178.92	\$10.05	5.95%
80	\$154.10	\$165.82	\$11.72	7.61%	\$33.94	\$33.71	-\$0.23	-0.69%	\$188.04	\$199.53	\$11.49	6.11%
100	\$172.78	\$186.34	\$13.56	7.85%	\$42.43	\$42.14	-\$0.29	-0.69%	\$215.21	\$228.47	\$13.27	6.17%
120	\$180.28	\$194.57	\$14.29	7.93%	\$50.91	\$50.56	-\$0.35	-0.69%	\$231.20	\$245.13	\$13.94	6.03%
140	\$187.79	\$202.80	\$15.01	8.00%	\$59.40	\$58.99	-\$0.41	-0.69%	\$247.19	\$261.79	\$14.60	5.91%
160	\$195.29	\$211.03	\$15.74	8.06%	\$67.89	\$67.42	-\$0.47	-0.69%	\$263.18	\$278.45	\$15.27	5.80%
180	\$202.80	\$219.26	\$16.47	8.12%	\$76.37	\$75.84	-\$0.53	-0.69%	\$279.17	\$295.11	\$15.94	5.71%
Typical	\$210.30	\$227.49	\$17.19	8.18%	\$84.86	\$84.27	-\$0.58	-0.69%	\$295.16	\$311.76	\$16.61	5.63%
250	\$229.06	\$248.07	\$19.01	8.30%	\$106.07	\$105.34	-\$0.73	-0.69%	\$335.13	\$353.41	\$18.28	5.45%
280	\$240.32	\$260.42	\$20.10	8.36%	\$118.80	\$117.98	-\$0.82	-0.69%	\$359.12	\$378.40	\$19.28	5.37%
300	\$247.82	\$268.65	\$20.83	8.40%	\$127.28	\$126.41	-\$0.88	-0.69%	\$375.11	\$395.06	\$19.95	5.32%
400	\$285.35	\$309.80	\$24.46	8.57%	\$169.71	\$168.54	-\$1.17	-0.69%	\$455.06	\$478.35	\$23.29	5.12%
500	\$322.87	\$350.96	\$28.09	8.70%	\$212.14	\$210.68	-\$1.46	-0.69%	\$535.01	\$561.64	\$26.63	4.98%
600	\$360.39	\$392.11	\$31.72	8.80%	\$254.57	\$252.82	-\$1.75	-0.69%	\$614.96	\$644.93	\$29.97	4.87%
1,000	\$510.48	\$556.73	\$46.25	9.06%	\$424.28	\$421.36	-\$2.92	-0.69%	\$934.76	\$978.09	\$43.32	4.63%
1,500	\$698.09	\$762.50	\$64.41	9.23%	\$636.42	\$632.04	-\$4.39	-0.69%	\$1,334.52	\$1,394.54	\$60.02	4.50%
2,000	\$885.71	\$968.28	\$82.57	9.32%	\$848.56	\$842.72	-\$5.85	-0.69%	\$1,734.27	\$1,810.99	\$76.72	4.42%
2,570	\$1,099.59	\$1,202.86	\$103.27	9.39%	\$1,090.41	\$1,082.89	-\$7.51	-0.69%	\$2,189.99	\$2,285.75	\$95.75	4.37%
3,000	\$1,260.93	\$1,379.82	\$118.89	9.43%	\$1,272.85	\$1,264.08	-\$8.77	-0.69%	\$2,533.78	\$2,643.90	\$110.11	4.35%
5,000	\$1,767.37	\$1,934.82	\$167.45	9.47%	\$2,121.41	\$2,106.79	-\$14.62	-0.69%	\$3,888.79	\$4,041.61	\$152.83	3.93%
9,000	\$2,780.25	\$3,044.82	\$264.57	9.52%	\$3,818.54	\$3,792.23	-\$26.32	-0.69%	\$6,598.79	\$6,837.05	\$238.25	3.61%
10,000	\$3,033.47	\$3,322.32	\$288.85	9.52%	\$4,242.82	\$4,213.58	-\$29.24	-0.69%	\$7,276.30	\$7,535.90	\$259.61	3.57%
30,000	\$8,097.87	\$8,872.32	\$774.45	9.56%	\$12,728.47	\$12,640.75	-\$87.72	-0.69%	\$20,826.34	\$21,513.07	\$686.73	3.20%
50,000	\$13,162.27	\$14,422.32	\$1,260.04	9.57%	\$21,214.11	\$21,067.92	-\$146.20	-0.69%	\$34,376.38	\$35,490.23	\$1,113.85	3.24%
75,000	\$19,492.77	\$21,359.81	\$1,867.04	9.58%	\$31,821.17	\$31,601.88	-\$219.29	-0.69%	\$51,313.94	\$52,961.69	\$1,647.75	3.21%
100,000	\$25,823.27	\$28,297.31	\$2,474.04	9.58%	\$42,428.23	\$42,135.84	-\$292.39	-0.69%	\$68,251.49	\$70,433.15	\$2,181.65	3.20%
150,000	\$38,484.26	\$42,172.30	\$3,688.04	9.58%	\$63,642.34	\$63,203.76	-\$438.59	-0.69%	\$102,126.60	\$105,376.06	\$3,249.46	3.18%
200,000	\$51,145.26	\$56,047.30	\$4,902.04	9.58%	\$84,856.46	\$84,271.67	-\$584.78	-0.69%	\$136,001.71	\$140,318.97	\$4,317.26	3.17%
250,000	\$63,806.25	\$69,922.29	\$6,116.04	9.59%	\$106,070.57	\$105,339.59	-\$730.98	-0.69%	\$169,876.82	\$175,261.89	\$5,385.06	3.16%
500,000	\$127,111.23	\$139,297.27	\$12,186.03	9.59%	\$212,141.14	\$210,679.19	-\$1,461.96	-0.69%	\$339,252.37	\$349,976.45	\$10,724.08	3.16%
750,000	\$190,416.21	\$208,672.24	\$18,256.03	9.59%	\$318,211.71	\$316,018.78	-\$2,192.93	-0.69%	\$508,627.92	\$524,691.02	\$16,063.09	3.16%
1,000,000	\$253,721.19	\$278,047.21	\$24,326.02	9.59%	\$424,282.28	\$421,358.37	-\$2,923.91	-0.69%	\$678,003.47	\$699,405.58	\$21,402.11	3.16%
1,500,000	\$380,331.15	\$416,797.15	\$36,466.01	9.59%	\$636,423.42	\$632,037.56	-\$4,385.87	-0.69%	\$1,016,754.57	\$1,048,834.71	\$32,080.14	3.16%
2,000,000	\$506,941.10	\$555,547.10	\$48,606.00	9.59%	\$848,564.56	\$842,716.74	-\$5,847.82	-0.69%	\$1,355,505.66	\$1,398,263.84	\$42,758.18	3.15%
2017					2018						Difference	Change
First 3 therms			\$37.66					\$37.66			\$0.00	0.00%
Next 87 therms			\$1,466,400					\$1,612,100			\$0.146	9.94%
Next 2,910 therms			\$0,361,800					\$0,397,700			\$0.036	9.92%
Over 3,000 therms			\$0,241,200					\$0,265,200			\$0.024	9.95%
Billing & Payment Processing			\$1,020,000					\$1,390,000			\$0.370	36.27%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0,000,000					\$0,000,000			\$0.000	0.00%
Incremental State Assessment Surcharge			\$0,000,000					\$0,000,000			\$0.000	0.00%
Leak Prone Pipe Surcharge			\$0,000,000					\$0,000,000			\$0.000	0.00%
System Benefits Charge			\$0,001,600					\$0,001,600			\$0.000	0.00%
Energy Efficiency Surcharge			\$0,007,500					\$0,007,500			\$0.000	0.00%
Monthly Cost of Gas			\$0,405,692					\$0,402,679			(\$0.003)	-0.74%
Merchant Function Charge			\$0,013,697					\$0,013,820			\$0.000	0.90%
GRT on Delivery			1.010000%					1.010000%			\$0.000	0.00%
GRT on Supply			1.010000%					1.010000%			\$0.000	0.00%
MTA on Delivery			0.155000%					0.155000%			\$0.000	0.00%
MTA on Supply			0.155000%					0.155000%			\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 3 - Multiple Dwelling Service

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$78.14	\$78.52	\$0.38	0.49%	\$0.00	\$0.00	\$0.00	0.00%	\$78.14	\$78.52	\$0.38	0.49%	
3	\$78.17	\$78.55	\$0.38	0.49%	\$1.27	\$1.26	-\$0.01	-0.69%	\$79.44	\$79.82	\$0.37	0.47%	
10	\$81.34	\$81.91	\$0.57	0.71%	\$4.24	\$4.21	-\$0.03	-0.69%	\$85.58	\$86.13	\$0.54	0.64%	
50	\$99.45	\$101.12	\$1.67	1.68%	\$21.21	\$21.07	-\$0.15	-0.69%	\$120.67	\$122.19	\$1.52	1.26%	
100	\$122.10	\$125.13	\$3.04	2.49%	\$42.43	\$42.14	-\$0.29	-0.69%	\$164.53	\$167.27	\$2.74	1.67%	
150	\$144.74	\$149.15	\$4.40	3.04%	\$63.64	\$63.20	-\$0.44	-0.69%	\$208.38	\$212.35	\$3.97	1.90%	
200	\$167.38	\$173.16	\$5.77	3.45%	\$84.86	\$84.27	-\$0.58	-0.69%	\$252.24	\$257.43	\$5.19	2.06%	
250	\$190.03	\$197.17	\$7.14	3.76%	\$106.07	\$105.34	-\$0.73	-0.69%	\$296.10	\$302.51	\$6.41	2.16%	
300	\$212.67	\$221.18	\$8.51	4.00%	\$127.28	\$126.41	-\$0.88	-0.69%	\$339.96	\$347.59	\$7.63	2.24%	
350	\$235.31	\$245.19	\$9.88	4.20%	\$148.50	\$147.48	-\$1.02	-0.69%	\$383.81	\$392.67	\$8.85	2.31%	
400	\$257.96	\$269.20	\$11.24	4.36%	\$169.71	\$168.54	-\$1.17	-0.69%	\$427.67	\$437.75	\$10.08	2.36%	
450	\$280.60	\$293.21	\$12.61	4.49%	\$190.93	\$189.61	-\$1.32	-0.69%	\$471.53	\$482.83	\$11.30	2.40%	
500	\$303.24	\$317.23	\$13.98	4.61%	\$212.14	\$210.68	-\$1.46	-0.69%	\$515.39	\$527.90	\$12.52	2.43%	
1,000	\$529.68	\$557.34	\$27.66	5.22%	\$424.28	\$421.36	-\$2.92	-0.69%	\$953.96	\$978.70	\$24.74	2.59%	
1,500	\$656.99	\$692.24	\$35.25	5.37%	\$636.42	\$632.04	-\$4.39	-0.69%	\$1,293.41	\$1,324.28	\$30.87	2.39%	
Typical	2,000	\$784.30	\$827.14	\$42.84	5.46%	\$848.56	\$842.72	-\$5.85	-0.69%	\$1,632.86	\$1,669.86	\$36.99	2.27%
2,500	\$911.61	\$962.04	\$50.43	5.53%	\$1,060.71	\$1,053.40	-\$7.31	-0.69%	\$1,972.32	\$2,015.44	\$43.12	2.19%	
3,000	\$1,038.92	\$1,096.94	\$58.02	5.58%	\$1,272.85	\$1,264.08	-\$8.77	-0.69%	\$2,311.77	\$2,361.01	\$49.25	2.13%	
3,500	\$1,166.23	\$1,231.84	\$65.61	5.63%	\$1,484.99	\$1,474.75	-\$10.23	-0.69%	\$2,651.22	\$2,706.59	\$55.37	2.09%	
4,000	\$1,293.54	\$1,366.74	\$73.20	5.66%	\$1,697.13	\$1,685.43	-\$11.70	-0.69%	\$2,990.67	\$3,052.17	\$61.50	2.06%	
4,500	\$1,420.85	\$1,501.64	\$80.79	5.69%	\$1,909.27	\$1,896.11	-\$13.16	-0.69%	\$3,330.12	\$3,397.75	\$67.63	2.03%	
5,000	\$1,548.16	\$1,636.54	\$88.37	5.71%	\$2,121.41	\$2,106.79	-\$14.62	-0.69%	\$3,669.58	\$3,743.33	\$73.76	2.01%	
5,500	\$1,675.47	\$1,771.44	\$95.96	5.73%	\$2,333.55	\$2,317.47	-\$16.08	-0.69%	\$4,009.03	\$4,088.91	\$79.88	1.99%	
6,000	\$1,802.79	\$1,906.34	\$103.55	5.74%	\$2,545.69	\$2,528.15	-\$17.54	-0.69%	\$4,348.48	\$4,434.49	\$86.01	1.98%	
6,500	\$1,930.10	\$2,041.24	\$111.14	5.76%	\$2,757.83	\$2,738.83	-\$19.01	-0.69%	\$4,687.93	\$4,780.07	\$92.14	1.97%	
7,000	\$2,057.41	\$2,176.14	\$118.73	5.77%	\$2,969.98	\$2,949.51	-\$20.47	-0.69%	\$5,027.38	\$5,125.65	\$98.26	1.95%	
7,500	\$2,184.72	\$2,311.04	\$126.32	5.78%	\$3,182.12	\$3,160.19	-\$21.93	-0.69%	\$5,366.83	\$5,471.22	\$104.39	1.95%	
8,000	\$2,312.03	\$2,445.94	\$133.91	5.79%	\$3,394.26	\$3,370.87	-\$23.39	-0.69%	\$5,706.29	\$5,816.80	\$110.52	1.94%	
8,500	\$2,439.34	\$2,580.84	\$141.50	5.80%	\$3,606.40	\$3,581.55	-\$24.85	-0.69%	\$6,045.74	\$6,162.38	\$116.64	1.93%	
9,000	\$2,566.65	\$2,715.74	\$149.09	5.81%	\$3,818.54	\$3,792.23	-\$26.32	-0.69%	\$6,385.19	\$6,507.96	\$122.77	1.92%	
9,500	\$2,693.96	\$2,850.64	\$156.68	5.82%	\$4,030.68	\$4,002.90	-\$27.78	-0.69%	\$6,724.64	\$6,853.54	\$128.90	1.92%	
10,000	\$2,821.27	\$2,985.54	\$164.27	5.82%	\$4,242.82	\$4,213.58	-\$29.24	-0.69%	\$7,064.09	\$7,199.12	\$135.03	1.91%	
15,000	\$4,094.38	\$4,334.53	\$240.16	5.87%	\$6,364.23	\$6,320.38	-\$43.86	-0.69%	\$10,458.61	\$10,654.91	\$196.30	1.88%	
20,000	\$5,367.48	\$5,683.53	\$316.05	5.89%	\$8,485.65	\$8,427.17	-\$58.48	-0.69%	\$13,853.13	\$14,110.70	\$257.57	1.86%	
25,000	\$6,640.59	\$7,032.53	\$391.94	5.90%	\$10,607.06	\$10,533.96	-\$73.10	-0.69%	\$17,247.65	\$17,566.49	\$318.84	1.85%	
50,000	\$13,006.13	\$13,777.52	\$771.39	5.93%	\$21,214.11	\$21,067.92	-\$146.20	-0.69%	\$34,220.24	\$34,845.44	\$625.20	1.83%	
75,000	\$19,371.66	\$20,522.51	\$1,150.85	5.94%	\$31,821.17	\$31,601.88	-\$219.29	-0.69%	\$51,192.83	\$52,124.38	\$931.55	1.82%	
100,000	\$25,737.20	\$27,267.50	\$1,530.30	5.95%	\$42,428.23	\$42,135.84	-\$292.39	-0.69%	\$68,165.42	\$69,403.33	\$1,237.91	1.82%	
150,000	\$38,468.27	\$40,757.47	\$2,289.21	5.95%	\$63,642.34	\$63,203.76	-\$438.59	-0.69%	\$102,110.61	\$103,961.23	\$1,850.62	1.81%	
200,000	\$51,199.33	\$54,247.45	\$3,048.12	5.95%	\$84,856.46	\$84,271.67	-\$584.78	-0.69%	\$136,055.79	\$138,519.12	\$2,463.33	1.81%	
250,000	\$63,930.40	\$67,737.43	\$3,807.02	5.95%	\$106,070.57	\$105,339.59	-\$730.98	-0.69%	\$170,000.97	\$173,077.02	\$3,076.05	1.81%	
300,000	\$76,661.47	\$81,227.41	\$4,565.93	5.96%	\$127,284.68	\$126,407.51	-\$877.17	-0.69%	\$203,946.16	\$207,634.92	\$3,688.76	1.81%	
350,000	\$89,392.54	\$94,717.38	\$5,324.84	5.96%	\$148,498.80	\$147,475.43	-\$1,023.37	-0.69%	\$237,891.34	\$242,192.81	\$4,301.47	1.81%	
400,000	\$102,123.61	\$108,207.36	\$6,083.75	5.96%	\$169,712.91	\$168,543.35	-\$1,169.56	-0.69%	\$271,836.52	\$276,750.71	\$4,914.18	1.81%	
2017					2018						Difference	Change	
First 3 therms				\$74.66				\$74.66			\$0.00	0.00%	
Next 997 therms				\$0.429500				\$0.456000			\$0.027	6.17%	
Over 1,000 therms				\$0.237500				\$0.252200			\$0.015	6.19%	
Billing & Payment Processing				\$1.020000				\$1.390000			\$0.370	36.27%	
Delivery Rate Adjustment				\$0.000000				\$0.000000			\$0.000	0.00%	
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.001600				\$0.001600			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%	
Monthly Cost of Gas				\$0.405692				\$0.402679			(\$0.003)	-0.74%	
Merchant Function Charge				\$0.013697				\$0.013820			\$0.000	0.90%	
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%	
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%	
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%	
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 15 - High Load Factor Service for Cogeneration

	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
Therm Usage													
0	\$156.14	\$156.52	\$0.37	0.24%	\$0.00	\$0.00	\$0.00	0.00%	\$156.14	\$156.52	\$0.37	0.24%	
10	\$156.24	\$156.61	\$0.37	0.24%	\$3.07	\$3.12	\$0.05	1.56%	\$159.31	\$159.73	\$0.42	0.27%	
50	\$162.86	\$164.03	\$1.18	0.72%	\$15.35	\$15.59	\$0.24	1.56%	\$178.21	\$179.62	\$1.42	0.80%	
100	\$171.13	\$173.32	\$2.19	1.28%	\$30.70	\$31.18	\$0.48	1.56%	\$201.83	\$204.49	\$2.67	1.32%	
200	\$187.68	\$191.88	\$4.20	2.24%	\$61.40	\$62.36	\$0.96	1.56%	\$249.08	\$254.24	\$5.16	2.07%	
300	\$204.23	\$210.44	\$6.21	3.04%	\$92.10	\$93.54	\$1.44	1.56%	\$296.32	\$303.98	\$7.65	2.58%	
400	\$220.77	\$229.00	\$8.22	3.73%	\$122.80	\$124.72	\$1.92	1.56%	\$343.57	\$353.72	\$10.15	2.95%	
500	\$237.32	\$247.56	\$10.24	4.31%	\$153.50	\$155.90	\$2.40	1.56%	\$390.82	\$403.46	\$12.64	3.23%	
1,000	\$320.06	\$340.36	\$20.30	6.34%	\$306.99	\$311.80	\$4.80	1.56%	\$627.06	\$652.16	\$25.10	4.00%	
5,000	\$981.98	\$1,082.80	\$100.82	10.27%	\$1,534.97	\$1,558.98	\$24.01	1.56%	\$2,516.95	\$2,641.78	\$124.82	4.96%	
10,000	\$1,809.39	\$2,010.85	\$201.46	11.13%	\$3,069.94	\$3,117.95	\$48.01	1.56%	\$4,879.32	\$5,128.80	\$249.47	5.11%	
Typical	15,000	\$2,636.79	\$2,938.89	\$302.10	11.46%	\$4,604.91	\$4,676.93	\$72.02	1.56%	\$7,241.69	\$7,615.82	\$374.12	5.17%
20,000	\$3,464.19	\$3,866.94	\$402.75	11.63%	\$6,139.88	\$6,235.90	\$96.03	1.56%	\$9,604.06	\$10,102.84	\$498.78	5.19%	
25,000	\$4,291.59	\$4,794.98	\$503.39	11.73%	\$7,674.84	\$7,794.88	\$120.03	1.56%	\$11,966.44	\$12,589.86	\$623.43	5.21%	
30,000	\$5,118.99	\$5,723.03	\$604.03	11.80%	\$9,209.81	\$9,353.85	\$144.04	1.56%	\$14,328.81	\$15,076.88	\$748.08	5.22%	
35,000	\$5,946.40	\$6,651.07	\$704.68	11.85%	\$10,744.78	\$10,912.83	\$168.05	1.56%	\$16,691.18	\$17,563.90	\$872.73	5.23%	
40,000	\$6,773.80	\$7,579.12	\$805.32	11.89%	\$12,279.75	\$12,471.81	\$192.06	1.56%	\$19,053.55	\$20,050.93	\$997.38	5.23%	
45,000	\$7,601.20	\$8,507.17	\$905.97	11.92%	\$13,814.72	\$14,030.78	\$216.06	1.56%	\$21,415.92	\$22,537.95	\$1,122.03	5.24%	
50,000	\$8,428.60	\$9,435.21	\$1,006.61	11.94%	\$15,349.69	\$15,589.76	\$240.07	1.56%	\$23,778.29	\$25,024.97	\$1,246.68	5.24%	
55,000	\$9,256.00	\$10,363.26	\$1,107.25	11.96%	\$16,884.66	\$17,148.73	\$264.08	1.56%	\$26,140.66	\$27,511.99	\$1,371.33	5.25%	
60,000	\$10,083.41	\$11,291.30	\$1,207.90	11.98%	\$18,419.63	\$18,707.71	\$288.08	1.56%	\$28,503.03	\$29,999.01	\$1,495.98	5.25%	
65,000	\$10,910.81	\$12,219.35	\$1,308.54	11.99%	\$19,954.59	\$20,266.68	\$312.09	1.56%	\$30,865.40	\$32,486.03	\$1,620.63	5.25%	
70,000	\$11,738.21	\$13,147.39	\$1,409.18	12.01%	\$21,489.56	\$21,825.66	\$336.10	1.56%	\$33,227.77	\$34,973.05	\$1,745.28	5.25%	
75,000	\$12,565.61	\$14,075.44	\$1,509.83	12.02%	\$23,024.53	\$23,384.64	\$360.10	1.56%	\$35,590.14	\$37,460.08	\$1,869.93	5.25%	
80,000	\$13,393.01	\$15,003.49	\$1,610.47	12.02%	\$24,559.50	\$24,943.61	\$384.11	1.56%	\$37,952.51	\$39,947.10	\$1,994.58	5.26%	
85,000	\$14,220.42	\$15,931.53	\$1,711.11	12.03%	\$26,094.47	\$26,502.59	\$408.12	1.56%	\$40,314.89	\$42,434.12	\$2,119.23	5.26%	
90,000	\$15,047.82	\$16,859.58	\$1,811.76	12.04%	\$27,629.44	\$28,061.56	\$432.12	1.56%	\$42,677.26	\$44,921.14	\$2,243.88	5.26%	
95,000	\$15,875.22	\$17,787.62	\$1,912.40	12.05%	\$29,164.41	\$29,620.54	\$456.13	1.56%	\$45,039.63	\$47,408.16	\$2,368.53	5.26%	
100,000	\$16,702.62	\$18,715.67	\$2,013.05	12.05%	\$30,699.38	\$31,179.51	\$480.14	1.56%	\$47,402.00	\$49,895.18	\$2,493.18	5.26%	
105,000	\$17,530.02	\$19,643.71	\$2,113.69	12.06%	\$32,234.34	\$32,738.49	\$504.15	1.56%	\$49,764.37	\$52,382.20	\$2,617.84	5.26%	
110,000	\$18,357.43	\$20,571.76	\$2,214.33	12.06%	\$33,769.31	\$34,297.47	\$528.15	1.56%	\$52,126.74	\$54,869.22	\$2,742.49	5.26%	
115,000	\$19,184.83	\$21,499.81	\$2,314.98	12.07%	\$35,304.28	\$35,856.44	\$552.16	1.56%	\$54,489.11	\$57,356.25	\$2,867.14	5.26%	
2017					2018						Difference	Change	
First 10 therms				\$153.35							\$0.00	0.00%	
Over 10 therms				\$0.154500							\$0.020	12.88%	
Billing & Payment Processing				\$1.020000							\$0.370	36.27%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000							\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000							\$0.000	0.00%	
Leak Prone Pipe Surcharge				\$0.000000							\$0.000	0.00%	
System Benefits Charge				\$0.001600							\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.007500							\$0.000	0.00%	
Monthly Cost of Gas				\$0.291789							\$0.004	1.54%	
Merchant Function Charge				\$0.011665							\$0.000	2.20%	
GRT on Delivery				1.010000%							\$0.000	0.00%	
GRT on Supply				1.010000%							\$0.000	0.00%	
MTA on Delivery				0.138000%							\$0.000	0.00%	
MTA on Supply				1.010000%							\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 16 -Non Residential Year-Round Space Conditioning Service

Therm Usage	Delivery				Commodity				Total				
	2017	2018	Difference	Change	2017	2018	Difference	Change	2017	2018	Difference	Change	
0	\$234.15	\$234.52	\$0.37	0.16%	\$0.00	\$0.00	\$0.00	0.00%	\$234.15	\$234.52	\$0.37	0.16%	
10	\$244.04	\$245.35	\$1.31	0.54%	\$3.48	\$3.51	\$0.03	0.76%	\$247.52	\$248.86	\$1.34	0.54%	
50	\$300.39	\$307.08	\$6.68	2.23%	\$17.41	\$17.54	\$0.13	0.76%	\$317.80	\$324.62	\$6.82	2.14%	
100	\$370.84	\$384.24	\$13.40	3.61%	\$34.82	\$35.08	\$0.26	0.76%	\$405.66	\$419.32	\$13.66	3.37%	
200	\$511.74	\$538.56	\$26.82	5.24%	\$69.64	\$70.17	\$0.53	0.76%	\$581.37	\$608.72	\$27.35	4.70%	
300	\$652.63	\$692.88	\$40.25	6.17%	\$104.46	\$105.25	\$0.79	0.76%	\$757.09	\$798.13	\$41.04	5.42%	
400	\$793.53	\$847.20	\$53.67	6.76%	\$139.27	\$140.33	\$1.06	0.76%	\$932.80	\$987.53	\$54.73	5.87%	
500	\$934.42	\$1,001.52	\$67.10	7.18%	\$174.09	\$175.42	\$1.32	0.76%	\$1,108.51	\$1,176.93	\$68.42	6.17%	
750	\$996.26	\$1,069.07	\$72.81	7.31%	\$261.14	\$263.13	\$1.99	0.76%	\$1,257.40	\$1,332.20	\$74.80	5.95%	
1,000	\$1,058.10	\$1,136.62	\$78.53	7.42%	\$348.19	\$350.83	\$2.65	0.76%	\$1,406.28	\$1,487.46	\$81.18	5.77%	
1,250	\$1,119.93	\$1,204.18	\$84.24	7.52%	\$435.23	\$438.54	\$3.31	0.76%	\$1,555.17	\$1,642.72	\$87.55	5.63%	
1,500	\$1,181.77	\$1,271.73	\$89.96	7.61%	\$522.28	\$526.25	\$3.97	0.76%	\$1,704.05	\$1,797.98	\$93.93	5.51%	
1,750	\$1,243.61	\$1,339.29	\$95.68	7.69%	\$609.33	\$613.96	\$4.63	0.76%	\$1,852.94	\$1,953.25	\$100.31	5.41%	
2,000	\$1,305.45	\$1,406.84	\$101.39	7.77%	\$696.37	\$701.67	\$5.30	0.76%	\$2,001.82	\$2,108.51	\$106.69	5.33%	
2,250	\$1,367.29	\$1,474.39	\$107.11	7.83%	\$783.42	\$789.38	\$5.96	0.76%	\$2,150.71	\$2,263.77	\$113.06	5.26%	
2,500	\$1,429.13	\$1,541.95	\$112.82	7.89%	\$870.47	\$877.08	\$6.62	0.76%	\$2,299.59	\$2,419.03	\$119.44	5.19%	
2,750	\$1,490.96	\$1,609.50	\$118.54	7.95%	\$957.51	\$964.79	\$7.28	0.76%	\$2,448.47	\$2,574.30	\$125.82	5.14%	
3,000	\$1,552.80	\$1,677.06	\$124.25	8.00%	\$1,044.56	\$1,052.50	\$7.94	0.76%	\$2,597.36	\$2,729.56	\$132.20	5.09%	
3,250	\$1,614.64	\$1,744.61	\$129.97	8.05%	\$1,131.60	\$1,140.21	\$8.61	0.76%	\$2,746.24	\$2,884.82	\$138.58	5.05%	
3,500	\$1,676.48	\$1,812.16	\$135.69	8.09%	\$1,218.65	\$1,227.92	\$9.27	0.76%	\$2,895.13	\$3,040.08	\$144.95	5.01%	
3,750	\$1,738.32	\$1,879.72	\$141.40	8.13%	\$1,305.70	\$1,315.63	\$9.93	0.76%	\$3,044.01	\$3,195.35	\$151.33	4.97%	
Typical	4,000	\$1,800.15	\$1,947.27	\$147.12	8.17%	\$1,392.74	\$1,403.34	\$10.59	0.76%	\$3,192.90	\$3,350.61	\$157.71	4.94%
4,250	\$1,861.99	\$2,014.83	\$152.83	8.21%	\$1,479.79	\$1,491.04	\$11.25	0.76%	\$3,341.78	\$3,505.87	\$164.09	4.91%	
4,500	\$1,923.83	\$2,082.38	\$158.55	8.24%	\$1,566.84	\$1,578.75	\$11.92	0.76%	\$3,490.67	\$3,661.13	\$170.47	4.88%	
4,750	\$1,985.67	\$2,149.93	\$164.27	8.27%	\$1,653.88	\$1,666.46	\$12.58	0.76%	\$3,639.55	\$3,816.39	\$176.84	4.86%	
5,000	\$2,047.51	\$2,217.49	\$169.98	8.30%	\$1,740.93	\$1,754.17	\$13.24	0.76%	\$3,788.44	\$3,971.66	\$183.22	4.84%	
5,250	\$2,109.34	\$2,285.04	\$175.70	8.33%	\$1,827.98	\$1,841.88	\$13.90	0.76%	\$3,937.32	\$4,126.92	\$189.60	4.82%	
5,500	\$2,171.18	\$2,352.60	\$181.41	8.36%	\$1,915.02	\$1,929.59	\$14.56	0.76%	\$4,086.21	\$4,282.18	\$195.98	4.80%	
5,750	\$2,233.02	\$2,420.15	\$187.13	8.38%	\$2,002.07	\$2,017.29	\$15.23	0.76%	\$4,235.09	\$4,437.44	\$202.35	4.78%	
6,000	\$2,294.86	\$2,487.70	\$192.85	8.40%	\$2,089.12	\$2,105.00	\$15.89	0.76%	\$4,383.97	\$4,592.71	\$208.73	4.76%	
6,250	\$2,356.70	\$2,555.26	\$198.56	8.43%	\$2,176.16	\$2,192.71	\$16.55	0.76%	\$4,532.86	\$4,747.97	\$215.11	4.75%	
6,500	\$2,418.53	\$2,622.81	\$204.28	8.45%	\$2,263.21	\$2,280.42	\$17.21	0.76%	\$4,681.74	\$4,903.23	\$221.49	4.73%	
2017					2018								
First 3 therms											Difference	Change	
Next 497 therms											\$0.00	0.00%	
Over 500 therms											\$0.133	9.59%	
Billing & Payment Processing											\$0.023	9.60%	
Delivery Rate Adjustment											\$0.370	36.27%	
Site Investigation & Remediation Surcharge											\$0.000	0.00%	
Incremental State Assessment Surcharge											\$0.000	0.00%	
Leak Prone Pipe Surcharge											\$0.000	0.00%	
System Benefits Charge											\$0.001	0.00%	
Energy Efficiency Surcharge											\$0.007	0.00%	
Monthly Cost of Gas											\$0.334	0.72%	
Merchant Function Charge											\$0.000	1.77%	
GRT on Delivery											\$0.000	0.00%	
GRT on Supply											\$0.000	0.00%	
MTA on Delivery											\$0.155	0.00%	
MTA on Supply											\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1A - Residential Non Heat

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$21.24	\$22.21	\$0.97	4.57%	\$0.00	\$0.00	\$0.00	0.00%	\$21.24	\$22.21	\$0.97	4.57%
3	\$21.27	\$22.24	\$0.97	4.56%	\$1.26	\$1.25	-\$0.01	-0.80%	\$22.53	\$23.49	\$0.96	4.26%
5	\$23.57	\$25.22	\$1.65	7.02%	\$2.11	\$2.09	-\$0.02	-0.80%	\$25.67	\$27.31	\$1.64	6.38%
7	\$25.87	\$28.20	\$2.34	9.04%	\$2.95	\$2.93	-\$0.02	-0.80%	\$28.81	\$31.13	\$2.32	8.03%
10	\$29.31	\$32.68	\$3.37	11.48%	\$4.21	\$4.18	-\$0.03	-0.80%	\$33.53	\$36.86	\$3.33	9.94%
15	\$35.06	\$40.14	\$5.08	14.48%	\$6.32	\$6.27	-\$0.05	-0.80%	\$41.38	\$46.41	\$5.02	12.14%
Typical	\$40.81	\$47.59	\$6.79	16.63%	\$8.43	\$8.36	-\$0.07	-0.80%	\$49.24	\$55.95	\$6.72	13.64%
25	\$46.56	\$55.05	\$8.50	18.25%	\$10.53	\$10.45	-\$0.08	-0.80%	\$57.09	\$65.50	\$8.41	14.73%
30	\$52.30	\$62.51	\$10.21	19.51%	\$12.64	\$12.54	-\$0.10	-0.80%	\$64.94	\$75.05	\$10.11	15.56%
35	\$58.05	\$69.97	\$11.92	20.53%	\$14.75	\$14.63	-\$0.12	-0.80%	\$72.80	\$84.60	\$11.80	16.21%
40	\$63.80	\$77.43	\$13.63	21.36%	\$16.85	\$16.72	-\$0.14	-0.80%	\$80.65	\$94.15	\$13.49	16.73%
45	\$69.55	\$84.88	\$15.34	22.05%	\$18.96	\$18.81	-\$0.15	-0.80%	\$88.51	\$103.69	\$15.19	17.16%
50	\$75.29	\$92.34	\$17.05	22.64%	\$21.07	\$20.90	-\$0.17	-0.80%	\$96.36	\$113.24	\$16.88	17.52%
55	\$76.69	\$94.15	\$17.45	22.76%	\$23.17	\$22.99	-\$0.19	-0.80%	\$99.87	\$117.14	\$17.27	17.29%
60	\$78.09	\$95.95	\$17.86	22.87%	\$25.28	\$25.08	-\$0.20	-0.80%	\$103.38	\$121.03	\$17.66	17.08%
65	\$79.49	\$97.76	\$18.27	22.98%	\$27.39	\$27.17	-\$0.22	-0.80%	\$106.88	\$124.93	\$18.05	16.88%
70	\$80.89	\$99.56	\$18.67	23.08%	\$29.50	\$29.26	-\$0.24	-0.80%	\$110.39	\$128.82	\$18.43	16.70%
75	\$82.29	\$101.37	\$19.08	23.18%	\$31.60	\$31.35	-\$0.25	-0.80%	\$113.89	\$132.72	\$18.82	16.53%
80	\$83.69	\$103.17	\$19.48	23.28%	\$33.71	\$33.44	-\$0.27	-0.80%	\$117.40	\$136.61	\$19.21	16.36%
85	\$85.09	\$104.98	\$19.89	23.37%	\$35.82	\$35.53	-\$0.29	-0.80%	\$120.91	\$140.51	\$19.60	16.21%
90	\$86.49	\$106.79	\$20.29	23.46%	\$37.92	\$37.62	-\$0.30	-0.80%	\$124.41	\$144.40	\$19.99	16.07%
100	\$89.29	\$110.40	\$21.11	23.64%	\$42.14	\$41.80	-\$0.34	-0.80%	\$131.43	\$152.19	\$20.77	15.80%
2018					2019						Difference	Change
First 3 or Less			\$19.18				\$19.75				\$0.57	2.97%
Next 47 Therms per Therm			\$1.104200				\$1.435500				\$0.331	30.00%
Over 50 Therms per Therm			\$0.262000				\$0.340600				\$0.079	30.00%
Billing & Payment Processing			\$1.390000				\$1.760000				\$0.370	26.62%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
Incremental State Assessment Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
Leak Prone Pipe Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%
System Benefits Charge			\$0.001600				\$0.001600				\$0.000	0.00%
Energy Efficiency Surcharge			\$0.007500				\$0.007500				\$0.000	0.00%
Monthly Cost of Gas			\$0.402679				\$0.399246				(\$0.003)	-0.85%
Merchant Function Charge			\$0.013820				\$0.013910				\$0.000	0.65%
GRT on Delivery			3.093000%				3.093000%				\$0.000	0.00%
GRT on Supply			1.010000%				1.010000%				\$0.000	0.00%
MTA on Delivery			0.155000%				0.155000%				\$0.000	0.00%
MTA on Supply			0.155000%				0.155000%				\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1B - Residential Heat

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$23.80	\$24.18	\$0.38	1.61%	\$0.00	\$0.00	\$0.00	0.00%	\$23.80	\$24.18	\$0.38	1.61%
3	\$23.81	\$24.20	\$0.38	1.60%	\$1.26	\$1.25	-\$0.01	-0.80%	\$25.08	\$25.45	\$0.37	1.48%
10	\$32.30	\$33.51	\$1.21	3.74%	\$4.21	\$4.18	-\$0.03	-0.80%	\$36.52	\$37.69	\$1.17	3.22%
15	\$38.36	\$40.16	\$1.80	4.69%	\$6.32	\$6.27	-\$0.05	-0.80%	\$44.68	\$46.43	\$1.75	3.91%
20	\$44.43	\$46.82	\$2.39	5.38%	\$8.43	\$8.36	-\$0.07	-0.80%	\$52.85	\$55.17	\$2.32	4.39%
25	\$50.49	\$53.47	\$2.98	5.90%	\$10.53	\$10.45	-\$0.08	-0.80%	\$61.02	\$63.92	\$2.89	4.74%
30	\$56.55	\$60.12	\$3.57	6.31%	\$12.64	\$12.54	-\$0.10	-0.80%	\$69.19	\$72.66	\$3.47	5.01%
40	\$68.68	\$73.43	\$4.75	6.91%	\$16.85	\$16.72	-\$0.14	-0.80%	\$85.53	\$90.14	\$4.61	5.39%
50	\$80.80	\$86.73	\$5.93	7.34%	\$21.07	\$20.90	-\$0.17	-0.80%	\$101.87	\$107.63	\$5.76	5.65%
60	\$83.61	\$89.81	\$6.20	7.41%	\$25.28	\$25.08	-\$0.20	-0.80%	\$108.89	\$114.89	\$6.00	5.51%
70	\$86.42	\$92.89	\$6.47	7.49%	\$29.50	\$29.26	-\$0.24	-0.80%	\$115.92	\$122.15	\$6.23	5.38%
Typical	\$89.24	\$95.98	\$6.74	7.55%	\$33.71	\$33.44	-\$0.27	-0.80%	\$122.95	\$129.42	\$6.47	5.26%
100	\$94.86	\$102.14	\$7.28	7.68%	\$42.14	\$41.80	-\$0.34	-0.80%	\$137.00	\$143.94	\$6.94	5.07%
120	\$100.48	\$108.31	\$7.82	7.78%	\$50.56	\$50.16	-\$0.41	-0.80%	\$151.05	\$158.46	\$7.42	4.91%
140	\$106.11	\$114.47	\$8.36	7.88%	\$58.99	\$58.52	-\$0.47	-0.80%	\$165.10	\$172.99	\$7.89	4.78%
160	\$111.73	\$120.63	\$8.90	7.97%	\$67.42	\$66.88	-\$0.54	-0.80%	\$179.15	\$187.51	\$8.36	4.67%
180	\$117.35	\$126.80	\$9.45	8.05%	\$75.84	\$75.24	-\$0.61	-0.80%	\$193.20	\$202.03	\$8.84	4.57%
200	\$122.98	\$132.96	\$9.99	8.12%	\$84.27	\$83.60	-\$0.68	-0.80%	\$207.25	\$216.56	\$9.31	4.49%
220	\$128.60	\$139.13	\$10.53	8.19%	\$92.70	\$91.95	-\$0.74	-0.80%	\$221.30	\$231.08	\$9.78	4.42%
250	\$137.03	\$148.37	\$11.34	8.27%	\$105.34	\$104.49	-\$0.85	-0.80%	\$242.37	\$252.87	\$10.49	4.33%
300	\$151.09	\$163.78	\$12.69	8.40%	\$126.41	\$125.39	-\$1.01	-0.80%	\$277.50	\$289.18	\$11.68	4.21%
400	\$179.21	\$194.60	\$15.40	8.59%	\$168.54	\$167.19	-\$1.35	-0.80%	\$347.75	\$361.79	\$14.04	4.04%
2018					2019						Difference	Change
First 3 or Less				\$21.66				\$21.66			\$0.00	0.00%
Next 47 Therms per Therm				\$1.169600				\$1.283900			\$0.114	9.77%
Over 50 Therms per Therm				\$0.267600				\$0.293800			\$0.026	9.79%
Billing & Payment Processing				\$1.390000				\$1.760000			\$0.370	26.62%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				-\$0.002800				-\$0.002800			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%
Monthly Cost of Gas				\$0.402679				\$0.399246			(\$0.003)	-0.85%
Merchant Function Charge				\$0.013820				\$0.013910			\$0.000	0.65%
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1AR - Non Heat Reduced Rate

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$12.14	\$13.11	\$0.97	7.99%	\$0.00	\$0.00	\$0.00	0.00%	\$12.14	\$13.11	\$0.97	7.99%	
3	\$12.17	\$13.14	\$0.97	7.97%	\$1.26	\$1.25	-\$0.01	-0.80%	\$13.43	\$14.40	\$0.96	7.15%	
5	\$14.47	\$16.12	\$1.65	11.44%	\$2.11	\$2.09	-\$0.02	-0.80%	\$16.58	\$18.21	\$1.64	9.88%	
7	\$16.77	\$19.11	\$2.34	13.95%	\$2.95	\$2.93	-\$0.02	-0.80%	\$19.72	\$22.03	\$2.32	11.74%	
10	\$20.22	\$23.58	\$3.37	16.64%	\$4.21	\$4.18	-\$0.03	-0.80%	\$24.43	\$27.76	\$3.33	13.64%	
15	\$25.96	\$31.04	\$5.08	19.55%	\$6.32	\$6.27	-\$0.05	-0.80%	\$32.29	\$37.31	\$5.02	15.56%	
Typical	20	\$31.71	\$38.50	\$6.79	21.40%	\$8.43	\$8.36	-\$0.07	-0.80%	\$40.14	\$46.86	\$6.72	16.74%
	25	\$37.46	\$45.96	\$8.50	22.68%	\$10.53	\$10.45	-\$0.08	-0.80%	\$47.99	\$56.41	\$8.41	17.53%
	30	\$43.21	\$53.41	\$10.21	23.62%	\$12.64	\$12.54	-\$0.10	-0.80%	\$55.85	\$65.95	\$10.11	18.09%
	35	\$48.96	\$60.87	\$11.92	24.34%	\$14.75	\$14.63	-\$0.12	-0.80%	\$63.70	\$75.50	\$11.80	18.52%
	40	\$54.70	\$68.33	\$13.63	24.91%	\$16.85	\$16.72	-\$0.14	-0.80%	\$71.56	\$85.05	\$13.49	18.86%
	45	\$60.45	\$75.79	\$15.34	25.37%	\$18.96	\$18.81	-\$0.15	-0.80%	\$79.41	\$94.60	\$15.19	19.12%
	50	\$66.20	\$83.25	\$17.05	25.75%	\$21.07	\$20.90	-\$0.17	-0.80%	\$87.27	\$104.14	\$16.88	19.34%
	55	\$67.60	\$85.05	\$17.45	25.82%	\$23.17	\$22.99	-\$0.19	-0.80%	\$90.77	\$108.04	\$17.27	19.02%
	60	\$69.00	\$86.86	\$17.86	25.88%	\$25.28	\$25.08	-\$0.20	-0.80%	\$94.28	\$111.94	\$17.66	18.73%
	65	\$70.40	\$88.66	\$18.27	25.95%	\$27.39	\$27.17	-\$0.22	-0.80%	\$97.78	\$115.83	\$18.05	18.45%
	70	\$71.80	\$90.47	\$18.67	26.01%	\$29.50	\$29.26	-\$0.24	-0.80%	\$101.29	\$119.73	\$18.43	18.20%
	75	\$73.20	\$92.27	\$19.08	26.06%	\$31.60	\$31.35	-\$0.25	-0.80%	\$104.80	\$123.62	\$18.82	17.96%
	80	\$74.60	\$94.08	\$19.48	26.12%	\$33.71	\$33.44	-\$0.27	-0.80%	\$108.30	\$127.52	\$19.21	17.74%
	85	\$75.99	\$95.88	\$19.89	26.17%	\$35.82	\$35.53	-\$0.29	-0.80%	\$111.81	\$131.41	\$19.60	17.53%
	90	\$77.39	\$97.69	\$20.29	26.22%	\$37.92	\$37.62	-\$0.30	-0.80%	\$115.32	\$135.31	\$19.99	17.33%
	100	\$80.19	\$101.30	\$21.11	26.32%	\$42.14	\$41.80	-\$0.34	-0.80%	\$122.33	\$143.10	\$20.77	16.98%
	2018				2019						Difference	Change	
First 3 or Less				\$10.37				\$10.94			\$0.57	5.50%	
Next 47 Therms per Therm				\$1.104200				\$1.435500			\$0.331	30.00%	
Over 50 Therms per Therm				\$0.262000				\$0.340600			\$0.079	30.00%	
Billing & Payment Processing				\$1.390000				\$1.760000			\$0.370	26.62%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				\$0.001600				\$0.001600			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%	
Monthly Cost of Gas				\$0.402679				\$0.399246			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.013820				\$0.013910			\$0.000	0.65%	
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%	
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%	
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%	
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1 BR - Heat Reduced Rate (Tier 1)

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	-\$18.53	-\$18.15	\$0.38	-2.06%	\$0.00	\$0.00	\$0.00	0.00%	-\$18.53	-\$18.15	\$0.38	-2.06%
3	-\$18.52	-\$18.14	\$0.38	-2.06%	\$1.26	\$1.25	-\$0.01	-0.80%	-\$17.26	-\$16.88	\$0.37	-2.16%
10	-\$10.03	-\$8.82	\$1.21	-12.04%	\$4.21	\$4.18	-\$0.03	-0.80%	-\$5.82	-\$4.64	\$1.17	-20.18%
15	-\$3.97	-\$2.17	\$1.80	-45.30%	\$6.32	\$6.27	-\$0.05	-0.80%	\$2.35	\$4.10	\$1.75	74.33%
20	\$2.09	\$4.48	\$2.39	114.10%	\$8.43	\$8.36	-\$0.07	-0.80%	\$10.52	\$12.84	\$2.32	22.06%
25	\$8.16	\$11.13	\$2.98	36.52%	\$10.53	\$10.45	-\$0.08	-0.80%	\$18.69	\$21.58	\$2.89	15.48%
30	\$14.22	\$17.79	\$3.57	25.10%	\$12.64	\$12.54	-\$0.10	-0.80%	\$26.86	\$30.33	\$3.47	12.91%
40	\$26.34	\$31.09	\$4.75	18.03%	\$16.85	\$16.72	-\$0.14	-0.80%	\$43.20	\$47.81	\$4.61	10.68%
50	\$38.47	\$44.40	\$5.93	15.41%	\$21.07	\$20.90	-\$0.17	-0.80%	\$59.54	\$65.30	\$5.76	9.67%
60	\$41.28	\$47.48	\$6.20	15.02%	\$25.28	\$25.08	-\$0.20	-0.80%	\$66.56	\$72.56	\$6.00	9.01%
70	\$44.09	\$50.56	\$6.47	14.67%	\$29.50	\$29.26	-\$0.24	-0.80%	\$73.59	\$79.82	\$6.23	8.47%
80	\$46.90	\$53.64	\$6.74	14.37%	\$33.71	\$33.44	-\$0.27	-0.80%	\$80.61	\$87.08	\$6.47	8.03%
100	\$52.53	\$59.81	\$7.28	13.86%	\$42.14	\$41.80	-\$0.34	-0.80%	\$94.66	\$101.61	\$6.94	7.33%
Typical	\$58.15	\$65.97	\$7.82	13.45%	\$50.56	\$50.16	-\$0.41	-0.80%	\$108.71	\$116.13	\$7.42	6.82%
140	\$63.77	\$72.14	\$8.36	13.11%	\$58.99	\$58.52	-\$0.47	-0.80%	\$122.76	\$130.65	\$7.89	6.43%
160	\$69.40	\$78.30	\$8.90	12.83%	\$67.42	\$66.88	-\$0.54	-0.80%	\$136.81	\$145.18	\$8.36	6.11%
180	\$75.02	\$84.46	\$9.45	12.59%	\$75.84	\$75.24	-\$0.61	-0.80%	\$150.86	\$159.70	\$8.84	5.86%
200	\$80.64	\$90.63	\$9.99	12.38%	\$84.27	\$83.60	-\$0.68	-0.80%	\$164.91	\$174.22	\$9.31	5.65%
220	\$86.26	\$96.79	\$10.53	12.20%	\$92.70	\$91.95	-\$0.74	-0.80%	\$178.96	\$188.75	\$9.78	5.47%
250	\$94.70	\$106.04	\$11.34	11.97%	\$105.34	\$104.49	-\$0.85	-0.80%	\$200.04	\$210.53	\$10.49	5.25%
300	\$108.76	\$121.45	\$12.69	11.67%	\$126.41	\$125.39	-\$1.01	-0.80%	\$235.16	\$246.84	\$11.68	4.97%
400	\$136.87	\$152.27	\$15.40	11.25%	\$168.54	\$167.19	-\$1.35	-0.80%	\$305.42	\$319.46	\$14.04	4.60%
2018					2019						Difference	Change
First 3 or Less				-\$19.34				-\$19.34			\$0.00	0.00%
Next 47 Therms per Therm				\$1,169,600				\$1,283,900			\$0.114	9.77%
Over 50 Therms per Therm				\$0,267,600				\$0,293,800			\$0.026	9.79%
Billing & Payment Processing				\$1,390,000				\$1,760,000			\$0.370	26.62%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0,000,000				\$0,000,000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0,000,000				\$0,000,000			\$0.000	0.00%
Leak Prone Pipe Surcharge				\$0,000,000				\$0,000,000			\$0.000	0.00%
Revenue Decoupling Mechanism				\$0,000,000				\$0,000,000			\$0.000	0.00%
System Benefits Charge				-\$0,002,800				-\$0,002,800			\$0.000	0.00%
Energy Efficiency Surcharge				\$0,007,500				\$0,007,500			\$0.000	0.00%
Monthly Cost of Gas				\$0,402,679				\$0,399,246			(\$0.003)	-0.85%
Merchant Function Charge				\$0,013,820				\$0,013,910			\$0.000	0.65%
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1 BR - Heat Reduced Rate (Tier 2)

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	-\$35.05	-\$34.67	\$0.38	-1.09%	\$0.00	\$0.00	\$0.00	0.00%	-\$35.05	-\$34.67	\$0.38	-1.09%	
3	-\$35.04	-\$34.66	\$0.38	-1.09%	\$1.26	\$1.25	-\$0.01	-0.80%	-\$33.78	-\$33.40	\$0.37	-1.10%	
10	-\$26.55	-\$25.34	\$1.21	-4.55%	\$4.21	\$4.18	-\$0.03	-0.80%	-\$22.34	-\$21.16	\$1.17	-5.26%	
15	-\$20.49	-\$18.69	\$1.80	-8.78%	\$6.32	\$6.27	-\$0.05	-0.80%	-\$14.17	-\$12.42	\$1.75	-12.33%	
20	-\$14.43	-\$12.04	\$2.39	-16.55%	\$8.43	\$8.36	-\$0.07	-0.80%	-\$6.00	-\$3.68	\$2.32	-38.68%	
25	-\$8.36	-\$5.39	\$2.98	-35.61%	\$10.53	\$10.45	-\$0.08	-0.80%	\$2.17	\$5.06	\$2.89	133.41%	
30	-\$2.30	\$1.27	\$3.57	-155.00%	\$12.64	\$12.54	-\$0.10	-0.80%	\$10.34	\$13.81	\$3.47	33.54%	
40	\$9.82	\$14.57	\$4.75	48.34%	\$16.85	\$16.72	-\$0.14	-0.80%	\$26.68	\$31.29	\$4.61	17.29%	
50	\$21.95	\$27.88	\$5.93	27.01%	\$21.07	\$20.90	-\$0.17	-0.80%	\$43.02	\$48.78	\$5.76	13.39%	
60	\$24.76	\$30.96	\$6.20	25.04%	\$25.28	\$25.08	-\$0.20	-0.80%	\$50.04	\$56.04	\$6.00	11.98%	
70	\$27.57	\$34.04	\$6.47	23.47%	\$29.50	\$29.26	-\$0.24	-0.80%	\$57.07	\$63.30	\$6.23	10.92%	
80	\$30.38	\$37.12	\$6.74	22.19%	\$33.71	\$33.44	-\$0.27	-0.80%	\$64.09	\$70.56	\$6.47	10.09%	
100	\$36.01	\$43.29	\$7.28	20.22%	\$42.14	\$41.80	-\$0.34	-0.80%	\$78.14	\$85.08	\$6.94	8.89%	
Typical	120	\$41.63	\$49.45	\$7.82	18.79%	\$50.56	\$50.16	-\$0.41	-0.80%	\$92.19	\$99.61	\$7.42	8.04%
	140	\$47.25	\$55.62	\$8.36	17.70%	\$58.99	\$58.52	-\$0.47	-0.80%	\$106.24	\$114.13	\$7.89	7.43%
	160	\$52.87	\$61.78	\$8.90	16.84%	\$67.42	\$66.88	-\$0.54	-0.80%	\$120.29	\$128.66	\$8.36	6.95%
	180	\$58.50	\$67.94	\$9.45	16.15%	\$75.84	\$75.24	-\$0.61	-0.80%	\$134.34	\$143.18	\$8.84	6.58%
	200	\$64.12	\$74.11	\$9.99	15.57%	\$84.27	\$83.60	-\$0.68	-0.80%	\$148.39	\$157.70	\$9.31	6.27%
	220	\$69.74	\$80.27	\$10.53	15.09%	\$92.70	\$91.95	-\$0.74	-0.80%	\$162.44	\$172.23	\$9.78	6.02%
	250	\$78.18	\$89.52	\$11.34	14.50%	\$105.34	\$104.49	-\$0.85	-0.80%	\$183.52	\$194.01	\$10.49	5.72%
	300	\$92.24	\$104.93	\$12.69	13.76%	\$126.41	\$125.39	-\$1.01	-0.80%	\$218.64	\$230.32	\$11.68	5.34%
	400	\$120.35	\$135.75	\$15.40	12.79%	\$168.54	\$167.19	-\$1.35	-0.80%	\$288.90	\$302.94	\$14.04	4.86%
					2018						Difference	Change	
First 3 or Less				-\$35.34				-\$35.34			\$0.00	0.00%	
Next 47 Therms per Therm				\$1.169600				\$1.283900			\$0.114	9.77%	
Over 50 Therms per Therm				\$0.267600				\$0.293800			\$0.026	9.79%	
Billing & Payment Processing				\$1.390000				\$1.760000			\$0.370	26.62%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				-\$0.002800				-\$0.002800			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%	
Monthly Cost of Gas				\$0.402679				\$0.399246			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.013820				\$0.013910			\$0.000	0.65%	
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%	
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%	
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%	
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1 BR - Heat Reduced Rate (Tier 3)

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	-\$52.61	-\$52.23	\$0.38	-0.73%	\$0.00	\$0.00	\$0.00	0.00%	-\$52.61	-\$52.23	\$0.38	-0.73%	
3	-\$52.59	-\$52.21	\$0.38	-0.73%	\$1.26	\$1.25	-\$0.01	-0.80%	-\$51.33	-\$50.96	\$0.37	-0.72%	
10	-\$44.11	-\$42.90	\$1.21	-2.74%	\$4.21	\$4.18	-\$0.03	-0.80%	-\$39.89	-\$38.72	\$1.17	-2.94%	
15	-\$38.04	-\$36.24	\$1.80	-4.73%	\$6.32	\$6.27	-\$0.05	-0.80%	-\$31.72	-\$29.97	\$1.75	-5.51%	
20	-\$31.98	-\$29.59	\$2.39	-7.47%	\$8.43	\$8.36	-\$0.07	-0.80%	-\$23.55	-\$21.23	\$2.32	-9.85%	
25	-\$25.92	-\$22.94	\$2.98	-11.49%	\$10.53	\$10.45	-\$0.08	-0.80%	-\$15.38	-\$12.49	\$2.89	-18.81%	
30	-\$19.86	-\$16.29	\$3.57	-17.97%	\$12.64	\$12.54	-\$0.10	-0.80%	-\$7.21	-\$3.75	\$3.47	-48.06%	
40	-\$7.73	-\$2.98	\$4.75	-61.43%	\$16.85	\$16.72	-\$0.14	-0.80%	\$9.12	\$13.74	\$4.61	50.56%	
50	\$4.39	\$10.32	\$5.93	134.91%	\$21.07	\$20.90	-\$0.17	-0.80%	\$25.46	\$31.22	\$5.76	22.62%	
60	\$7.21	\$13.41	\$6.20	86.03%	\$25.28	\$25.08	-\$0.20	-0.80%	\$32.49	\$38.48	\$6.00	18.46%	
70	\$10.02	\$16.49	\$6.47	64.58%	\$29.50	\$29.26	-\$0.24	-0.80%	\$39.51	\$45.75	\$6.23	15.78%	
80	\$12.83	\$19.57	\$6.74	52.54%	\$33.71	\$33.44	-\$0.27	-0.80%	\$46.54	\$53.01	\$6.47	13.90%	
100	\$18.45	\$25.73	\$7.28	39.46%	\$42.14	\$41.80	-\$0.34	-0.80%	\$60.59	\$67.53	\$6.94	11.46%	
Typical	120	\$24.08	\$31.90	\$7.82	32.49%	\$50.56	\$50.16	-\$0.41	-0.80%	\$74.64	\$82.06	\$7.42	9.94%
	140	\$29.70	\$38.06	\$8.36	28.16%	\$58.99	\$58.52	-\$0.47	-0.80%	\$88.69	\$96.58	\$7.89	8.90%
	160	\$35.32	\$44.23	\$8.90	25.21%	\$67.42	\$66.88	-\$0.54	-0.80%	\$102.74	\$111.10	\$8.36	8.14%
	180	\$40.95	\$50.39	\$9.45	23.07%	\$75.84	\$75.24	-\$0.61	-0.80%	\$116.79	\$125.63	\$8.84	7.57%
	200	\$46.57	\$56.55	\$9.99	21.45%	\$84.27	\$83.60	-\$0.68	-0.80%	\$130.84	\$140.15	\$9.31	7.12%
	220	\$52.19	\$62.72	\$10.53	20.17%	\$92.70	\$91.95	-\$0.74	-0.80%	\$144.89	\$154.67	\$9.78	6.75%
	250	\$60.63	\$71.97	\$11.34	18.70%	\$105.34	\$104.49	-\$0.85	-0.80%	\$165.97	\$176.46	\$10.49	6.32%
	300	\$74.68	\$87.38	\$12.69	16.99%	\$126.41	\$125.39	-\$1.01	-0.80%	\$201.09	\$212.77	\$11.68	5.81%
	400	\$102.80	\$118.20	\$15.40	14.98%	\$168.54	\$167.19	-\$1.35	-0.80%	\$271.34	\$285.39	\$14.04	5.18%
	2018				2019						Difference	Change	
First 3 or Less				-\$52.34				-\$52.34			\$0.00	0.00%	
Next 47 Therms per Therm				\$1.169600				\$1.283900			\$0.114	9.77%	
Over 50 Therms per Therm				\$0.267600				\$0.293800			\$0.026	9.79%	
Billing & Payment Processing				\$1.390000				\$1.760000			\$0.370	26.62%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Revenue Decoupling Mechanism				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				-\$0.002800				-\$0.002800			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%	
Monthly Cost of Gas				\$0.402679				\$0.399246			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.013820				\$0.013910			\$0.000	0.65%	
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%	
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%	
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%	
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 1B DG - Residential Heat Distributed Generation

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$35.55	\$35.93	\$0.38	1.07%	\$0.00	\$0.00	\$0.00	0.00%	\$35.55	\$35.93	\$0.38	1.07%	
3	\$35.56	\$35.95	\$0.38	1.07%	\$1.26	\$1.25	-\$0.01	-0.80%	\$36.83	\$37.20	\$0.37	1.01%	
10	\$36.51	\$36.89	\$0.38	1.05%	\$4.21	\$4.18	-\$0.03	-0.80%	\$40.72	\$41.07	\$0.35	0.86%	
15	\$37.18	\$37.57	\$0.38	1.03%	\$6.32	\$6.27	-\$0.05	-0.80%	\$43.50	\$43.84	\$0.33	0.76%	
20	\$37.86	\$38.24	\$0.38	1.01%	\$8.43	\$8.36	-\$0.07	-0.80%	\$46.29	\$46.60	\$0.31	0.68%	
30	\$39.21	\$39.59	\$0.38	0.97%	\$12.64	\$12.54	-\$0.10	-0.80%	\$51.85	\$52.13	\$0.28	0.54%	
40	\$40.56	\$40.94	\$0.38	0.94%	\$16.85	\$16.72	-\$0.14	-0.80%	\$57.41	\$57.66	\$0.25	0.43%	
50	\$41.91	\$42.29	\$0.38	0.91%	\$21.07	\$20.90	-\$0.17	-0.80%	\$62.98	\$63.19	\$0.21	0.34%	
75	\$45.28	\$45.66	\$0.38	0.84%	\$31.60	\$31.35	-\$0.25	-0.80%	\$76.88	\$77.01	\$0.13	0.17%	
Typical	100	\$48.65	\$49.04	\$0.38	0.79%	\$42.14	\$41.80	-\$0.34	-0.80%	\$90.79	\$90.83	\$0.04	0.05%
125	\$52.03	\$52.41	\$0.38	0.73%	\$52.67	\$52.25	-\$0.42	-0.80%	\$104.70	\$104.66	(\$0.04)	-0.04%	
150	\$55.40	\$55.78	\$0.38	0.69%	\$63.20	\$62.70	-\$0.51	-0.80%	\$118.61	\$118.48	(\$0.13)	-0.11%	
175	\$58.78	\$59.16	\$0.38	0.65%	\$73.74	\$73.15	-\$0.59	-0.80%	\$132.51	\$132.30	(\$0.21)	-0.16%	
200	\$62.15	\$62.53	\$0.38	0.61%	\$84.27	\$83.60	-\$0.68	-0.80%	\$146.42	\$146.13	(\$0.29)	-0.20%	
225	\$65.52	\$65.91	\$0.38	0.58%	\$94.81	\$94.04	-\$0.77	-0.80%	\$160.33	\$159.95	(\$0.38)	-0.24%	
250	\$68.90	\$69.28	\$0.38	0.55%	\$105.34	\$104.49	-\$0.85	-0.80%	\$174.24	\$173.77	(\$0.46)	-0.27%	
275	\$72.27	\$72.65	\$0.38	0.53%	\$115.87	\$114.94	-\$0.93	-0.80%	\$188.14	\$187.60	(\$0.55)	-0.29%	
300	\$75.65	\$76.03	\$0.38	0.51%	\$126.41	\$125.39	-\$1.01	-0.80%	\$202.05	\$201.42	(\$0.63)	-0.31%	
325	\$79.02	\$79.40	\$0.38	0.48%	\$136.94	\$135.84	-\$1.10	-0.80%	\$215.96	\$215.24	(\$0.72)	-0.33%	
350	\$82.39	\$82.77	\$0.38	0.46%	\$147.48	\$146.29	-\$1.18	-0.80%	\$229.87	\$229.07	(\$0.80)	-0.35%	
375	\$85.77	\$86.15	\$0.38	0.45%	\$158.01	\$156.74	-\$1.27	-0.80%	\$243.78	\$242.89	(\$0.89)	-0.36%	
400	\$89.14	\$89.52	\$0.38	0.43%	\$168.54	\$167.19	-\$1.35	-0.80%	\$257.68	\$256.71	(\$0.97)	-0.38%	
2018					2019						Difference	Change	
First 3 or Less				\$33.04				\$33.04			\$0.00	0.00%	
Next 47 Therms per Therm				\$0.126000				\$0.126000			\$0.000	0.00%	
Over 50 Therms per Therm				\$0.000000				\$0.000000			\$0.000	0.00%	
Billing & Payment Processing				\$1.390000				\$1.760000			\$0.370	26.62%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%	
System Benefits Charge				-\$0.002800				-\$0.002800			\$0.000	0.00%	
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%	
Monthly Cost of Gas				\$0.402679				\$0.399246			(\$0.003)	-0.85%	
Merchant Function Charge				\$0.013820				\$0.013910			\$0.000	0.65%	
GRT on Delivery				3.093000%				3.093000%			\$0.000	0.00%	
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%	
MTA on Delivery				0.155000%				0.155000%			\$0.000	0.00%	
MTA on Supply				0.155000%				0.155000%			\$0.000	0.00%	

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 2-A - Non-Residential Non Heat

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$39.51	\$39.88	\$0.37	0.95%	\$0.00	\$0.00	\$0.00	0.00%	\$39.51	\$39.88	\$0.37	0.95%
3	\$39.53	\$39.91	\$0.37	0.95%	\$1.26	\$1.25	-\$0.01	-0.80%	\$40.80	\$41.16	\$0.36	0.89%
10	\$50.81	\$52.21	\$1.40	2.76%	\$4.21	\$4.18	-\$0.03	-0.80%	\$55.02	\$56.39	\$1.37	2.49%
30	\$83.02	\$87.36	\$4.35	5.24%	\$12.64	\$12.54	-\$0.10	-0.80%	\$95.66	\$99.90	\$4.24	4.44%
50	\$115.23	\$122.51	\$7.29	6.32%	\$21.07	\$20.90	-\$0.17	-0.80%	\$136.29	\$143.41	\$7.12	5.22%
70	\$147.43	\$157.66	\$10.23	6.94%	\$29.50	\$29.26	-\$0.24	-0.80%	\$176.93	\$186.92	\$9.99	5.65%
90	\$179.64	\$192.82	\$13.17	7.33%	\$37.92	\$37.62	-\$0.30	-0.80%	\$217.57	\$230.43	\$12.87	5.91%
110	\$186.41	\$200.19	\$13.78	7.39%	\$46.35	\$45.98	-\$0.37	-0.80%	\$232.76	\$246.17	\$13.40	5.76%
150	\$199.95	\$214.93	\$14.99	7.50%	\$63.20	\$62.70	-\$0.51	-0.80%	\$263.15	\$277.63	\$14.48	5.50%
200	\$216.87	\$233.37	\$16.50	7.61%	\$84.27	\$83.60	-\$0.68	-0.80%	\$301.14	\$316.96	\$15.82	5.25%
250	\$233.79	\$251.80	\$18.01	7.70%	\$105.34	\$104.49	-\$0.85	-0.80%	\$339.13	\$356.29	\$17.17	5.06%
300	\$250.71	\$270.23	\$19.52	7.79%	\$126.41	\$125.39	-\$1.01	-0.80%	\$377.12	\$395.63	\$18.51	4.91%
Typical	\$318.39	\$343.96	\$25.57	8.03%	\$210.68	\$208.99	-\$1.69	-0.80%	\$529.07	\$552.95	\$23.88	4.51%
700	\$386.07	\$417.69	\$31.62	8.19%	\$294.95	\$292.58	-\$2.37	-0.80%	\$681.02	\$710.28	\$29.26	4.30%
900	\$453.75	\$491.42	\$37.67	8.30%	\$379.22	\$376.18	-\$3.04	-0.80%	\$832.97	\$867.60	\$34.63	4.16%
1,100	\$521.43	\$565.15	\$43.72	8.39%	\$463.49	\$459.77	-\$3.72	-0.80%	\$984.92	\$1,024.93	\$40.00	4.06%
1,300	\$589.11	\$638.88	\$49.77	8.45%	\$547.77	\$543.37	-\$4.40	-0.80%	\$1,136.88	\$1,182.25	\$45.38	3.99%
1,500	\$656.79	\$712.61	\$55.82	8.50%	\$632.04	\$626.96	-\$5.07	-0.80%	\$1,288.83	\$1,339.58	\$50.75	3.94%
1,700	\$724.47	\$786.34	\$61.87	8.54%	\$716.31	\$710.56	-\$5.75	-0.80%	\$1,440.78	\$1,496.90	\$56.12	3.90%
1,900	\$792.15	\$860.07	\$67.92	8.57%	\$800.58	\$794.16	-\$6.43	-0.80%	\$1,592.73	\$1,654.23	\$61.50	3.86%
2,100	\$859.83	\$933.80	\$73.97	8.60%	\$884.85	\$877.75	-\$7.10	-0.80%	\$1,744.69	\$1,811.55	\$66.87	3.83%
3,000	\$1,164.39	\$1,265.59	\$101.20	8.69%	\$1,264.08	\$1,253.93	-\$10.15	-0.80%	\$2,428.47	\$2,519.52	\$91.05	3.75%
4,000	\$1,371.18	\$1,490.48	\$119.30	8.70%	\$1,685.43	\$1,671.91	-\$13.53	-0.80%	\$3,056.61	\$3,162.39	\$105.78	3.46%
5,000	\$1,577.96	\$1,715.38	\$137.41	8.71%	\$2,106.79	\$2,089.88	-\$16.91	-0.80%	\$3,684.76	\$3,805.26	\$120.50	3.27%
6,000	\$1,784.75	\$1,940.27	\$155.52	8.71%	\$2,528.15	\$2,507.86	-\$20.29	-0.80%	\$4,312.90	\$4,448.13	\$135.23	3.14%
7,000	\$1,991.53	\$2,165.16	\$173.63	8.72%	\$2,949.51	\$2,925.84	-\$23.67	-0.80%	\$4,941.04	\$5,091.00	\$149.96	3.03%
8,000	\$2,198.32	\$2,390.06	\$191.74	8.72%	\$3,370.87	\$3,343.81	-\$27.05	-0.80%	\$5,569.18	\$5,733.87	\$164.68	2.96%
9,000	\$2,405.10	\$2,614.95	\$209.85	8.73%	\$3,792.23	\$3,761.79	-\$30.44	-0.80%	\$6,197.33	\$6,376.74	\$179.41	2.89%
10,000	\$2,611.89	\$2,839.84	\$227.96	8.73%	\$4,213.58	\$4,179.77	-\$33.82	-0.80%	\$6,825.47	\$7,019.61	\$194.14	2.84%
11,000	\$2,818.67	\$3,064.74	\$246.07	8.73%	\$4,634.94	\$4,597.74	-\$37.20	-0.80%	\$7,453.61	\$7,662.48	\$208.87	2.80%
12,000	\$3,025.45	\$3,289.63	\$264.18	8.73%	\$5,056.30	\$5,015.72	-\$40.58	-0.80%	\$8,081.75	\$8,305.35	\$223.59	2.77%
13,000	\$3,232.24	\$3,514.52	\$282.28	8.73%	\$5,477.66	\$5,433.69	-\$43.96	-0.80%	\$8,709.90	\$8,948.22	\$238.32	2.74%
15,000	\$3,645.81	\$3,964.31	\$318.50	8.74%	\$6,320.38	\$6,269.65	-\$50.73	-0.80%	\$9,966.18	\$10,233.96	\$267.77	2.69%
20,000	\$4,679.73	\$5,088.78	\$409.05	8.74%	\$8,427.17	\$8,359.53	-\$67.64	-0.80%	\$13,106.90	\$13,448.31	\$341.41	2.60%
25,000	\$5,713.65	\$6,213.24	\$499.59	8.74%	\$10,533.96	\$10,449.41	-\$84.55	-0.80%	\$16,247.61	\$16,662.66	\$415.04	2.55%
30,000	\$6,747.57	\$7,337.71	\$590.13	8.75%	\$12,640.75	\$12,539.30	-\$101.46	-0.80%	\$19,388.33	\$19,877.00	\$488.68	2.52%
35,000	\$7,781.50	\$8,462.17	\$680.68	8.75%	\$14,747.54	\$14,629.18	-\$118.36	-0.80%	\$22,529.04	\$23,091.35	\$562.31	2.50%
40,000	\$8,815.42	\$9,586.64	\$771.22	8.75%	\$16,854.33	\$16,719.06	-\$135.27	-0.80%	\$25,669.75	\$26,305.70	\$635.95	2.48%
45,000	\$9,849.34	\$10,711.11	\$861.77	8.75%	\$18,961.13	\$18,808.94	-\$152.18	-0.80%	\$28,810.47	\$29,520.05	\$709.58	2.46%
50,000	\$10,883.26	\$11,835.57	\$952.31	8.75%	\$21,067.92	\$20,898.83	-\$169.09	-0.80%	\$31,951.18	\$32,734.40	\$783.22	2.45%

	2018	2019	Difference	Change
First 3 therms		\$37.66	\$0.00	0.00%
Next 87 therms		\$1,582,800	\$0,145	9.19%
Next 2,910 therms		\$0,325,400	\$0,353,000	9.19%
Over 3,000 therms		\$0,195,300	\$0,213,200	9.17%
Billing & Payment Processing		\$1,390,000	\$1,760,000	26.62%
Delivery Rate Adjustment				
Site Investigation & Remediation Surcharge		\$0,000,000	\$0,000,000	0.00%
Incremental State Assessment Surcharge		\$0,000,000	\$0,000,000	0.00%
Leak Prone Pipe Surcharge		\$0,000,000	\$0,000,000	0.00%
System Benefits Charge		\$0,001,600	\$0,001,600	0.00%
Energy Efficiency Surcharge		\$0,007,500	\$0,007,500	0.00%
Monthly Cost of Gas		\$0,402,679	(\$0,003)	-0.85%
Merchant Function Charge		\$0,013,820	\$0,000	0.65%
GRT on Delivery		1.010000%	1.010000%	0.00%
GRT on Supply		1.010000%	1.010000%	0.00%
MTA on Delivery		0.155000%	0.155000%	0.00%
MTA on Supply		0.155000%	0.155000%	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 2-B - Non Residential Heat

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$39.51	\$39.88	\$0.37	0.95%	\$0.00	\$0.00	\$0.00	0.00%	\$39.51	\$39.88	\$0.37	0.95%
3	\$39.53	\$39.91	\$0.37	0.95%	\$1.26	\$1.25	-\$0.01	-0.80%	\$40.80	\$41.16	\$0.36	0.89%
10	\$51.01	\$52.52	\$1.50	2.95%	\$4.21	\$4.18	-\$0.03	-0.80%	\$55.23	\$56.70	\$1.47	2.66%
15	\$59.21	\$61.53	\$2.31	3.90%	\$6.32	\$6.27	-\$0.05	-0.80%	\$65.53	\$67.79	\$2.26	3.45%
20	\$67.42	\$70.53	\$3.12	4.62%	\$8.43	\$8.36	-\$0.07	-0.80%	\$75.84	\$78.89	\$3.05	4.02%
25	\$75.62	\$79.54	\$3.92	5.19%	\$10.53	\$10.45	-\$0.08	-0.80%	\$86.15	\$89.99	\$3.84	4.46%
30	\$83.82	\$88.55	\$4.73	5.64%	\$12.64	\$12.54	-\$0.10	-0.80%	\$96.46	\$101.09	\$4.63	4.80%
40	\$100.22	\$106.56	\$6.34	6.33%	\$16.85	\$16.72	-\$0.14	-0.80%	\$117.07	\$123.28	\$6.21	5.30%
50	\$116.62	\$124.58	\$7.96	6.82%	\$21.07	\$20.90	-\$0.17	-0.80%	\$137.69	\$145.48	\$7.79	5.66%
60	\$133.02	\$142.59	\$9.57	7.20%	\$25.28	\$25.08	-\$0.20	-0.80%	\$158.30	\$167.67	\$9.37	5.92%
70	\$149.42	\$160.61	\$11.19	7.49%	\$29.50	\$29.26	-\$0.24	-0.80%	\$178.92	\$189.86	\$10.95	6.12%
80	\$165.82	\$178.62	\$12.80	7.72%	\$33.71	\$33.44	-\$0.27	-0.80%	\$199.53	\$212.06	\$12.53	6.28%
100	\$186.34	\$201.15	\$14.81	7.95%	\$42.14	\$41.80	-\$0.34	-0.80%	\$228.47	\$242.95	\$14.47	6.33%
120	\$194.57	\$210.17	\$15.61	8.02%	\$50.56	\$50.16	-\$0.41	-0.80%	\$245.13	\$260.33	\$15.20	6.20%
140	\$202.80	\$219.20	\$16.40	8.09%	\$58.99	\$58.52	-\$0.47	-0.80%	\$261.79	\$277.72	\$15.93	6.08%
160	\$211.03	\$228.23	\$17.20	8.15%	\$67.42	\$66.88	-\$0.54	-0.80%	\$278.45	\$295.10	\$16.65	5.98%
180	\$219.26	\$237.25	\$17.99	8.21%	\$75.84	\$75.24	-\$0.61	-0.80%	\$295.11	\$312.49	\$17.38	5.89%
Typical	\$227.49	\$246.28	\$18.79	8.26%	\$84.27	\$83.60	-\$0.68	-0.80%	\$311.76	\$329.87	\$18.11	5.81%
250	\$248.07	\$268.84	\$20.77	8.37%	\$105.34	\$104.49	-\$0.85	-0.80%	\$353.41	\$373.34	\$19.93	5.64%
280	\$260.42	\$282.38	\$21.97	8.44%	\$117.98	\$117.03	-\$0.95	-0.80%	\$378.40	\$399.42	\$21.02	5.55%
300	\$268.65	\$291.41	\$22.76	8.47%	\$126.41	\$125.39	-\$1.01	-0.80%	\$395.06	\$416.80	\$21.75	5.50%
400	\$309.80	\$336.54	\$26.74	8.63%	\$168.54	\$167.19	-\$1.35	-0.80%	\$478.35	\$503.73	\$25.39	5.31%
500	\$350.96	\$381.67	\$30.71	8.75%	\$210.68	\$208.99	-\$1.69	-0.80%	\$561.64	\$590.66	\$29.02	5.17%
600	\$392.11	\$426.80	\$34.69	8.85%	\$252.82	\$250.79	-\$2.03	-0.80%	\$644.93	\$677.59	\$32.66	5.06%
1,000	\$556.73	\$607.32	\$50.59	9.09%	\$421.36	\$417.98	-\$3.38	-0.80%	\$978.09	\$1,025.30	\$47.21	4.83%
1,500	\$762.50	\$832.97	\$70.47	9.24%	\$632.04	\$626.96	-\$5.07	-0.80%	\$1,394.54	\$1,459.94	\$65.40	4.69%
2,000	\$968.28	\$1,058.63	\$90.35	9.33%	\$842.72	\$835.95	-\$6.76	-0.80%	\$1,810.99	\$1,894.58	\$83.59	4.62%
2,570	\$1,202.86	\$1,315.87	\$113.01	9.40%	\$1,082.89	\$1,074.20	-\$8.69	-0.80%	\$2,285.75	\$2,390.07	\$104.32	4.56%
3,000	\$1,379.82	\$1,509.93	\$130.11	9.43%	\$1,264.08	\$1,253.93	-\$10.15	-0.80%	\$2,643.90	\$2,763.86	\$119.96	4.54%
5,000	\$1,934.82	\$2,117.94	\$183.12	9.46%	\$2,106.79	\$2,089.88	-\$16.91	-0.80%	\$4,041.61	\$4,207.82	\$166.21	4.11%
9,000	\$3,044.82	\$3,333.96	\$289.14	9.50%	\$3,792.23	\$3,761.79	-\$30.44	-0.80%	\$6,837.05	\$7,095.75	\$258.71	3.78%
10,000	\$3,322.32	\$3,637.97	\$315.65	9.50%	\$4,213.58	\$4,179.77	-\$33.82	-0.80%	\$7,535.90	\$7,817.73	\$281.83	3.74%
30,000	\$8,872.32	\$9,718.08	\$845.76	9.53%	\$12,640.75	\$12,539.30	-\$101.46	-0.80%	\$21,513.07	\$22,257.38	\$744.31	3.46%
50,000	\$14,422.32	\$15,798.19	\$1,375.87	9.54%	\$21,067.92	\$20,898.83	-\$169.09	-0.80%	\$35,490.23	\$36,697.02	\$1,206.78	3.40%
75,000	\$21,359.81	\$23,398.33	\$2,038.52	9.54%	\$31,601.88	\$31,348.24	-\$253.64	-0.80%	\$52,961.69	\$54,746.57	\$1,784.88	3.37%
100,000	\$28,297.31	\$30,998.47	\$2,701.16	9.55%	\$42,135.84	\$41,797.65	-\$338.19	-0.80%	\$70,433.15	\$72,796.12	\$2,362.97	3.35%
150,000	\$42,172.30	\$46,198.74	\$4,026.44	9.55%	\$63,203.76	\$62,696.48	-\$507.28	-0.80%	\$105,376.06	\$108,895.22	\$3,519.16	3.34%
200,000	\$56,047.30	\$61,399.02	\$5,351.72	9.55%	\$84,271.67	\$83,595.30	-\$676.37	-0.80%	\$140,318.97	\$144,994.32	\$4,675.35	3.33%
250,000	\$69,922.29	\$76,599.30	\$6,677.00	9.55%	\$105,339.59	\$104,494.13	-\$845.46	-0.80%	\$175,261.89	\$181,093.42	\$5,831.54	3.33%
500,000	\$139,297.27	\$152,600.68	\$13,303.41	9.55%	\$210,679.19	\$208,988.26	-\$1,690.93	-0.80%	\$349,976.45	\$361,588.94	\$11,612.49	3.32%
750,000	\$208,672.24	\$228,602.06	\$19,929.82	9.55%	\$316,018.78	\$313,482.39	-\$2,536.39	-0.80%	\$524,691.02	\$542,084.45	\$17,393.43	3.31%
1,000,000	\$278,047.21	\$304,603.44	\$26,556.23	9.55%	\$421,358.37	\$417,976.51	-\$3,381.86	-0.80%	\$699,405.58	\$722,579.96	\$23,174.38	3.31%
1,500,000	\$416,797.15	\$456,606.21	\$39,809.05	9.55%	\$632,037.56	\$626,964.77	-\$5,072.78	-0.80%	\$1,048,834.71	\$1,083,570.98	\$34,736.27	3.31%
2,000,000	\$555,547.10	\$608,698.97	\$53,151.87	9.55%	\$842,716.74	\$835,953.03	-\$6,763.71	-0.80%	\$1,398,263.84	\$1,444,562.00	\$46,298.16	3.31%
2018					2019				Difference	Change		
First 3 therms			\$37.66				\$37.66		\$0.00	0.00%		
Next 87 therms			\$1,612,100				\$1,771,600		\$0.160	9.89%		
Next 2,910 therms			\$0,397,700				\$0,437,000		\$0.039	9.88%		
Over 3,000 therms			\$0,265,200				\$0,291,400		\$0.026	9.88%		
Billing & Payment Processing			\$1,390,000				\$1,760,000		\$0,370	26.62%		
Delivery Rate Adjustment			\$0.000000				\$0.000000		\$0.000	0.00%		
Site Investigation & Remediation Surcharge			\$0.000000				\$0.000000		\$0.000	0.00%		
Incremental State Assessment Surcharge			\$0.000000				\$0.000000		\$0.000	0.00%		
Leak Prone Pipe Surcharge			\$0.000000				\$0.000000		\$0.000	0.00%		
System Benefits Charge			\$0.001600				\$0.001600		\$0.000	0.00%		
Energy Efficiency Surcharge			\$0.007500				\$0.007500		\$0.000	0.00%		
Monthly Cost of Gas			\$0.402679				\$0.399246		(\$0.003)	-0.85%		
Merchant Function Charge			\$0.013820				\$0.013910		\$0.000	0.65%		
GRT on Delivery			1.010000%				1.010000%		\$0.000	0.00%		
GRT on Supply			1.010000%				1.010000%		\$0.000	0.00%		
MTA on Delivery			0.155000%				0.155000%		\$0.000	0.00%		
MTA on Supply			0.155000%				0.155000%		\$0.000	0.00%		

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 3 - Multiple Dwelling Service

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$78.52	\$78.91	\$0.38	0.49%	\$0.00	\$0.00	\$0.00	0.00%	\$78.52	\$78.91	\$0.38	0.49%
3	\$78.55	\$78.93	\$0.38	0.49%	\$1.26	\$1.25	-\$0.01	-0.80%	\$79.82	\$80.19	\$0.37	0.47%
10	\$81.91	\$82.51	\$0.60	0.73%	\$4.21	\$4.18	-\$0.03	-0.80%	\$86.13	\$86.69	\$0.56	0.65%
50	\$101.12	\$102.94	\$1.81	1.79%	\$21.07	\$20.90	-\$0.17	-0.80%	\$122.19	\$123.84	\$1.64	1.35%
100	\$125.13	\$128.47	\$3.34	2.67%	\$42.14	\$41.80	-\$0.34	-0.80%	\$167.27	\$170.27	\$3.00	1.79%
150	\$149.15	\$154.01	\$4.86	3.26%	\$63.20	\$62.70	-\$0.51	-0.80%	\$212.35	\$216.70	\$4.35	2.05%
200	\$173.16	\$179.54	\$6.38	3.69%	\$84.27	\$83.60	-\$0.68	-0.80%	\$257.43	\$263.13	\$5.71	2.22%
250	\$197.17	\$205.07	\$7.91	4.01%	\$105.34	\$104.49	-\$0.85	-0.80%	\$302.51	\$309.57	\$7.06	2.33%
300	\$221.18	\$230.61	\$9.43	4.26%	\$126.41	\$125.39	-\$1.01	-0.80%	\$347.59	\$356.00	\$8.41	2.42%
350	\$245.19	\$256.14	\$10.95	4.47%	\$147.48	\$146.29	-\$1.18	-0.80%	\$392.67	\$402.43	\$9.77	2.49%
400	\$269.20	\$281.68	\$12.47	4.63%	\$168.54	\$167.19	-\$1.35	-0.80%	\$437.75	\$448.87	\$11.12	2.54%
450	\$293.21	\$307.21	\$14.00	4.77%	\$189.61	\$188.09	-\$1.52	-0.80%	\$482.83	\$495.30	\$12.48	2.58%
500	\$317.23	\$332.75	\$15.52	4.89%	\$210.68	\$208.99	-\$1.69	-0.80%	\$527.90	\$541.73	\$13.83	2.62%
1,000	\$557.34	\$588.09	\$30.75	5.52%	\$421.36	\$417.98	-\$3.38	-0.80%	\$978.70	\$1,006.07	\$27.37	2.80%
1,500	\$692.24	\$731.41	\$39.17	5.66%	\$632.04	\$626.96	-\$5.07	-0.80%	\$1,324.28	\$1,358.37	\$34.09	2.57%
Typical	\$827.14	\$874.72	\$47.58	5.75%	\$842.72	\$835.95	-\$6.76	-0.80%	\$1,669.86	\$1,710.67	\$40.82	2.44%
2,500	\$962.04	\$1,018.03	\$56.00	5.82%	\$1,053.40	\$1,044.94	-\$8.45	-0.80%	\$2,015.44	\$2,062.98	\$47.54	2.36%
3,000	\$1,096.94	\$1,161.35	\$64.41	5.87%	\$1,264.08	\$1,253.93	-\$10.15	-0.80%	\$2,361.01	\$2,415.28	\$54.27	2.30%
3,500	\$1,231.84	\$1,304.66	\$72.83	5.91%	\$1,474.75	\$1,462.92	-\$11.84	-0.80%	\$2,706.59	\$2,767.58	\$60.99	2.25%
4,000	\$1,366.74	\$1,447.98	\$81.24	5.94%	\$1,685.43	\$1,671.91	-\$13.53	-0.80%	\$3,052.17	\$3,119.89	\$67.71	2.22%
4,500	\$1,501.64	\$1,591.29	\$89.66	5.97%	\$1,896.11	\$1,880.89	-\$15.22	-0.80%	\$3,397.75	\$3,472.19	\$74.44	2.19%
5,000	\$1,636.54	\$1,734.61	\$98.07	5.99%	\$2,106.79	\$2,089.88	-\$16.91	-0.80%	\$3,743.33	\$3,824.49	\$81.16	2.17%
5,500	\$1,771.44	\$1,877.92	\$106.49	6.01%	\$2,317.47	\$2,298.87	-\$18.60	-0.80%	\$4,088.91	\$4,176.79	\$87.89	2.15%
6,000	\$1,906.34	\$2,021.24	\$114.90	6.03%	\$2,528.15	\$2,507.86	-\$20.29	-0.80%	\$4,434.49	\$4,529.10	\$94.61	2.13%
6,500	\$2,041.24	\$2,164.55	\$123.32	6.04%	\$2,738.83	\$2,716.85	-\$21.98	-0.80%	\$4,780.07	\$4,881.40	\$101.33	2.12%
7,000	\$2,176.14	\$2,307.87	\$131.73	6.05%	\$2,949.51	\$2,925.84	-\$23.67	-0.80%	\$5,125.65	\$5,233.70	\$108.06	2.11%
7,500	\$2,311.04	\$2,451.18	\$140.15	6.06%	\$3,160.19	\$3,134.82	-\$25.36	-0.80%	\$5,471.22	\$5,586.01	\$114.78	2.10%
8,000	\$2,445.94	\$2,594.50	\$148.56	6.07%	\$3,370.87	\$3,343.81	-\$27.05	-0.80%	\$5,816.80	\$5,938.31	\$121.51	2.09%
8,500	\$2,580.84	\$2,737.81	\$156.98	6.08%	\$3,581.55	\$3,552.80	-\$28.75	-0.80%	\$6,162.38	\$6,290.61	\$128.23	2.08%
9,000	\$2,715.74	\$2,881.13	\$165.39	6.09%	\$3,792.23	\$3,761.79	-\$30.44	-0.80%	\$6,507.96	\$6,642.92	\$134.96	2.07%
9,500	\$2,850.64	\$3,024.44	\$173.81	6.10%	\$4,002.90	\$3,970.78	-\$32.13	-0.80%	\$6,853.54	\$6,995.22	\$141.68	2.07%
10,000	\$2,985.54	\$3,167.76	\$182.22	6.10%	\$4,213.58	\$4,179.77	-\$33.82	-0.80%	\$7,199.12	\$7,347.52	\$148.40	2.06%
15,000	\$4,334.53	\$4,600.91	\$266.37	6.15%	\$6,320.38	\$6,269.65	-\$50.73	-0.80%	\$10,654.91	\$10,870.55	\$215.65	2.02%
20,000	\$5,683.53	\$6,034.06	\$350.52	6.17%	\$8,427.17	\$8,359.53	-\$67.64	-0.80%	\$14,110.70	\$14,393.59	\$282.89	2.00%
25,000	\$7,032.53	\$7,467.20	\$434.68	6.18%	\$10,533.96	\$10,449.41	-\$84.55	-0.80%	\$17,566.49	\$17,916.62	\$350.13	1.99%
50,000	\$13,777.52	\$14,632.95	\$855.43	6.21%	\$21,067.92	\$20,898.83	-\$169.09	-0.80%	\$34,845.44	\$35,531.77	\$686.34	1.97%
75,000	\$20,522.51	\$21,798.69	\$1,276.19	6.22%	\$31,601.88	\$31,348.24	-\$253.64	-0.80%	\$52,124.38	\$53,146.93	\$1,022.55	1.96%
100,000	\$27,267.50	\$28,964.44	\$1,696.94	6.22%	\$42,135.84	\$41,797.65	-\$338.19	-0.80%	\$69,403.33	\$70,762.09	\$1,358.76	1.96%
150,000	\$40,757.47	\$43,295.92	\$2,538.45	6.23%	\$63,203.76	\$62,696.48	-\$507.28	-0.80%	\$103,961.23	\$105,992.40	\$2,031.17	1.95%
200,000	\$54,247.45	\$57,627.41	\$3,379.96	6.23%	\$84,271.67	\$83,595.30	-\$676.37	-0.80%	\$138,519.12	\$141,222.71	\$2,703.59	1.95%
250,000	\$67,737.43	\$71,958.90	\$4,221.47	6.23%	\$105,339.59	\$104,494.13	-\$845.46	-0.80%	\$173,077.02	\$176,453.03	\$3,376.01	1.95%
300,000	\$81,227.41	\$86,290.39	\$5,062.98	6.23%	\$126,407.51	\$125,392.95	-\$1,014.56	-0.80%	\$207,634.92	\$211,683.34	\$4,048.43	1.95%
350,000	\$94,717.38	\$100,621.88	\$5,904.49	6.23%	\$147,475.43	\$146,291.78	-\$1,183.65	-0.80%	\$242,192.81	\$246,913.66	\$4,720.84	1.95%
400,000	\$108,207.36	\$114,953.36	\$6,746.00	6.23%	\$168,543.35	\$167,190.61	-\$1,352.74	-0.80%	\$276,750.71	\$282,143.97	\$5,393.26	1.95%
2018					2019						Difference	Change
First 3 therms				\$74.66							\$0.00	0.00%
Next 997 therms				\$0.456000							\$0.030	6.47%
Over 1,000 therms				\$0.252200							\$0.016	6.46%
Billing & Payment Processing				\$1.390000							\$0.370	26.62%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000							\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000							\$0.000	0.00%
Leak Prone Pipe Surcharge				\$0.000000							\$0.000	0.00%
System Benefits Charge				\$0.001600							\$0.000	0.00%
Energy Efficiency Surcharge				\$0.007500							\$0.000	0.00%
Monthly Cost of Gas				\$0.402679							(\$0.003)	-0.85%
Merchant Function Charge				\$0.013820							\$0.000	0.65%
GRT on Delivery				3.093000%							\$0.000	0.00%
GRT on Supply				1.010000%							\$0.000	0.00%
MTA on Delivery				0.155000%							\$0.000	0.00%
MTA on Supply				0.155000%							\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 15 - High Load Factor Service for Cogeneration

	Delivery				Commodity				Total			
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change
Therm Usage												
0	\$156.52	\$156.89	\$0.37	0.24%	\$0.00	\$0.00	\$0.00	0.00%	\$156.52	\$156.89	\$0.37	0.24%
10	\$156.61	\$156.98	\$0.37	0.24%	\$3.12	\$3.15	\$0.03	1.07%	\$159.73	\$160.14	\$0.41	0.26%
50	\$164.03	\$165.26	\$1.22	0.75%	\$15.59	\$15.76	\$0.17	1.07%	\$179.62	\$181.02	\$1.39	0.77%
100	\$173.32	\$175.60	\$2.29	1.32%	\$31.18	\$31.51	\$0.33	1.07%	\$204.49	\$207.11	\$2.62	1.28%
200	\$191.88	\$196.29	\$4.41	2.30%	\$62.36	\$63.02	\$0.67	1.07%	\$254.24	\$259.31	\$5.08	2.00%
300	\$210.44	\$216.97	\$6.53	3.11%	\$93.54	\$94.54	\$1.00	1.07%	\$303.98	\$311.51	\$7.53	2.48%
400	\$229.00	\$237.66	\$8.66	3.78%	\$124.72	\$126.05	\$1.33	1.07%	\$353.72	\$363.71	\$9.99	2.82%
500	\$247.56	\$258.34	\$10.78	4.36%	\$155.90	\$157.56	\$1.66	1.07%	\$403.46	\$415.90	\$12.45	3.08%
1,000	\$340.36	\$361.77	\$21.40	6.29%	\$311.80	\$315.12	\$3.33	1.07%	\$652.16	\$676.89	\$24.73	3.79%
5,000	\$1,082.80	\$1,189.17	\$106.37	9.82%	\$1,558.98	\$1,575.61	\$16.64	1.07%	\$2,641.78	\$2,764.78	\$123.01	4.66%
10,000	\$2,010.85	\$2,223.42	\$212.58	10.57%	\$3,117.95	\$3,151.22	\$33.27	1.07%	\$5,128.80	\$5,374.65	\$245.85	4.79%
Typical	\$2,938.89	\$3,257.67	\$318.78	10.85%	\$4,676.93	\$4,726.84	\$49.91	1.07%	\$7,615.82	\$7,984.51	\$368.69	4.84%
20,000	\$3,866.94	\$4,291.93	\$424.99	10.99%	\$6,235.90	\$6,302.45	\$66.55	1.07%	\$10,102.84	\$10,594.37	\$491.53	4.87%
25,000	\$4,794.98	\$5,326.18	\$531.20	11.08%	\$7,794.88	\$7,878.06	\$83.18	1.07%	\$12,589.86	\$13,204.24	\$614.38	4.88%
30,000	\$5,723.03	\$6,360.43	\$637.40	11.14%	\$9,353.85	\$9,453.67	\$99.82	1.07%	\$15,076.88	\$15,814.10	\$737.22	4.89%
35,000	\$6,651.07	\$7,394.68	\$743.61	11.18%	\$10,912.83	\$11,029.28	\$116.45	1.07%	\$17,563.90	\$18,423.97	\$860.06	4.90%
40,000	\$7,579.12	\$8,428.94	\$849.82	11.21%	\$12,471.81	\$12,604.90	\$133.09	1.07%	\$20,050.93	\$21,033.83	\$982.91	4.90%
45,000	\$8,507.17	\$9,463.19	\$956.02	11.24%	\$14,030.78	\$14,180.51	\$149.73	1.07%	\$22,537.95	\$23,643.70	\$1,105.75	4.91%
50,000	\$9,435.21	\$10,497.44	\$1,062.23	11.26%	\$15,589.76	\$15,756.12	\$166.36	1.07%	\$25,024.97	\$26,253.56	\$1,228.59	4.91%
55,000	\$10,363.26	\$11,531.69	\$1,168.44	11.27%	\$17,148.73	\$17,331.73	\$183.00	1.07%	\$27,511.99	\$28,863.43	\$1,351.44	4.91%
60,000	\$11,291.30	\$12,565.95	\$1,274.64	11.29%	\$18,707.71	\$18,907.34	\$199.64	1.07%	\$29,999.01	\$31,473.29	\$1,474.28	4.91%
65,000	\$12,219.35	\$13,600.20	\$1,380.85	11.30%	\$20,266.68	\$20,482.96	\$216.27	1.07%	\$32,486.03	\$34,083.16	\$1,597.12	4.92%
70,000	\$13,147.39	\$14,634.45	\$1,487.06	11.31%	\$21,825.66	\$22,058.57	\$232.91	1.07%	\$34,973.05	\$36,693.02	\$1,719.97	4.92%
75,000	\$14,075.44	\$15,668.70	\$1,593.26	11.32%	\$23,384.64	\$23,634.18	\$249.55	1.07%	\$37,460.08	\$39,302.89	\$1,842.81	4.92%
80,000	\$15,003.49	\$16,702.96	\$1,699.47	11.33%	\$24,943.61	\$25,209.79	\$266.18	1.07%	\$39,947.10	\$41,912.75	\$1,965.65	4.92%
85,000	\$15,931.53	\$17,737.21	\$1,805.68	11.33%	\$26,502.59	\$26,785.40	\$282.82	1.07%	\$42,434.12	\$44,522.61	\$2,088.50	4.92%
90,000	\$16,859.58	\$18,771.46	\$1,911.89	11.34%	\$28,061.56	\$28,361.02	\$299.45	1.07%	\$44,921.14	\$47,132.48	\$2,211.34	4.92%
95,000	\$17,787.62	\$19,805.71	\$2,018.09	11.35%	\$29,620.54	\$29,936.63	\$316.09	1.07%	\$47,408.16	\$49,742.34	\$2,334.18	4.92%
100,000	\$18,715.67	\$20,839.97	\$2,124.30	11.35%	\$31,179.51	\$31,512.24	\$332.73	1.07%	\$49,895.18	\$52,352.21	\$2,457.03	4.92%
105,000	\$19,643.71	\$21,874.22	\$2,230.51	11.35%	\$32,738.49	\$33,087.85	\$349.36	1.07%	\$52,382.20	\$54,962.07	\$2,579.87	4.93%
110,000	\$20,571.76	\$22,908.47	\$2,336.71	11.36%	\$34,297.47	\$34,663.46	\$366.00	1.07%	\$54,869.22	\$57,571.94	\$2,702.71	4.93%
115,000	\$21,499.81	\$23,942.73	\$2,442.92	11.36%	\$35,856.44	\$36,239.08	\$382.64	1.07%	\$57,356.25	\$60,181.80	\$2,825.56	4.93%
2018					2019						Difference	Change
First 10 therms				\$153.35				\$153.35			\$0.00	0.00%
Over 10 therms				\$0.174400				\$0.195400			\$0.021	12.04%
Billing & Payment Processing				\$1.390000				\$1.760000			\$0.370	26.62%
Delivery Rate Adjustment												
Site Investigation & Remediation Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
Leak Prone Pipe Surcharge				\$0.000000				\$0.000000			\$0.000	0.00%
System Benefits Charge				\$0.001600				\$0.001600			\$0.000	0.00%
Energy Efficiency Surcharge				\$0.007500				\$0.007500			\$0.000	0.00%
Monthly Cost of Gas				\$0.296278				\$0.299361			\$0.003	1.04%
Merchant Function Charge				\$0.011921				\$0.012128			\$0.000	1.73%
GRT on Delivery				1.010000%				1.010000%			\$0.000	0.00%
GRT on Supply				1.010000%				1.010000%			\$0.000	0.00%
MTA on Delivery				0.138000%				0.138000%			\$0.000	0.00%
MTA on Supply				1.010000%				1.010000%			\$0.000	0.00%

KEYSPAN GAS EAST CORP. d/b/a NATIONAL GRID (KEDLI)
Monthly Bill Comparison Table
SC 16 -Non Residential Year-Round Space Conditioning Service

	Delivery				Commodity				Total				
	2018	2019	Difference	Change	2018	2019	Difference	Change	2018	2019	Difference	Change	
Therm Usage													
0	\$234.52	\$234.90	\$0.37	0.16%	\$0.00	\$0.00	\$0.00	0.00%	\$234.52	\$234.90	\$0.37	0.16%	
10	\$245.35	\$246.78	\$1.43	0.58%	\$3.51	\$3.15	-\$0.36	-10.18%	\$248.86	\$249.93	\$1.07	0.43%	
50	\$307.08	\$314.52	\$7.44	2.42%	\$17.54	\$15.76	-\$1.79	-10.18%	\$324.62	\$330.28	\$5.66	1.74%	
100	\$384.24	\$399.20	\$14.97	3.90%	\$35.08	\$31.51	-\$3.57	-10.18%	\$419.32	\$430.72	\$11.40	2.72%	
200	\$538.56	\$568.57	\$30.01	5.57%	\$70.17	\$63.02	-\$7.14	-10.18%	\$608.72	\$631.59	\$22.87	3.76%	
300	\$692.88	\$737.93	\$45.05	6.50%	\$105.25	\$94.54	-\$10.71	-10.18%	\$798.13	\$832.47	\$34.34	4.30%	
400	\$847.20	\$907.29	\$60.10	7.09%	\$140.33	\$126.05	-\$14.28	-10.18%	\$987.53	\$1,033.34	\$45.81	4.64%	
500	\$1,001.52	\$1,076.66	\$75.14	7.50%	\$175.42	\$157.56	-\$17.86	-10.18%	\$1,176.93	\$1,234.22	\$57.28	4.87%	
750	\$1,069.07	\$1,150.61	\$81.54	7.63%	\$263.13	\$236.34	-\$26.78	-10.18%	\$1,332.20	\$1,386.95	\$54.76	4.11%	
1,000	\$1,136.62	\$1,224.56	\$87.94	7.74%	\$350.83	\$315.12	-\$35.71	-10.18%	\$1,487.46	\$1,539.68	\$52.23	3.51%	
1,250	\$1,204.18	\$1,298.52	\$94.34	7.83%	\$438.54	\$393.90	-\$44.64	-10.18%	\$1,642.72	\$1,692.42	\$49.70	3.03%	
1,500	\$1,271.73	\$1,372.47	\$100.74	7.92%	\$526.25	\$472.68	-\$53.57	-10.18%	\$1,797.98	\$1,845.15	\$47.17	2.62%	
1,750	\$1,339.29	\$1,446.42	\$107.13	8.00%	\$613.96	\$551.46	-\$62.50	-10.18%	\$1,953.25	\$1,997.88	\$44.64	2.29%	
2,000	\$1,406.84	\$1,520.37	\$113.53	8.07%	\$701.67	\$630.24	-\$71.42	-10.18%	\$2,108.51	\$2,150.62	\$42.11	2.00%	
2,250	\$1,474.39	\$1,594.33	\$119.93	8.13%	\$789.38	\$709.03	-\$80.35	-10.18%	\$2,263.77	\$2,303.35	\$39.58	1.75%	
2,500	\$1,541.95	\$1,668.28	\$126.33	8.19%	\$877.08	\$787.81	-\$89.28	-10.18%	\$2,419.03	\$2,456.08	\$37.05	1.53%	
2,750	\$1,609.50	\$1,742.23	\$132.73	8.25%	\$964.79	\$866.59	-\$98.21	-10.18%	\$2,574.30	\$2,608.82	\$34.52	1.34%	
3,000	\$1,677.06	\$1,816.18	\$139.13	8.30%	\$1,052.50	\$945.37	-\$107.13	-10.18%	\$2,729.56	\$2,761.55	\$31.99	1.17%	
3,250	\$1,744.61	\$1,890.14	\$145.53	8.34%	\$1,140.21	\$1,024.15	-\$116.06	-10.18%	\$2,884.82	\$2,914.28	\$29.46	1.02%	
3,500	\$1,812.16	\$1,964.09	\$151.93	8.38%	\$1,227.92	\$1,102.93	-\$124.99	-10.18%	\$3,040.08	\$3,067.02	\$26.94	0.89%	
3,750	\$1,879.72	\$2,038.04	\$158.32	8.42%	\$1,315.63	\$1,181.71	-\$133.92	-10.18%	\$3,195.35	\$3,219.75	\$24.41	0.76%	
Typical	4,000	\$1,947.27	\$2,112.00	\$164.72	8.46%	\$1,403.34	\$1,260.49	-\$142.85	-10.18%	\$3,350.61	\$3,372.48	\$21.88	0.65%
	4,250	\$2,014.83	\$2,185.95	\$171.12	8.49%	\$1,491.04	\$1,339.27	-\$151.77	-10.18%	\$3,505.87	\$3,525.22	\$19.35	0.55%
	4,500	\$2,082.38	\$2,259.90	\$177.52	8.52%	\$1,578.75	\$1,418.05	-\$160.70	-10.18%	\$3,661.13	\$3,677.95	\$16.82	0.46%
	4,750	\$2,149.93	\$2,333.85	\$183.92	8.55%	\$1,666.46	\$1,496.83	-\$169.63	-10.18%	\$3,816.39	\$3,830.69	\$14.29	0.37%
	5,000	\$2,217.49	\$2,407.81	\$190.32	8.58%	\$1,754.17	\$1,575.61	-\$178.56	-10.18%	\$3,971.66	\$3,983.42	\$11.76	0.30%
	5,250	\$2,285.04	\$2,481.76	\$196.72	8.61%	\$1,841.88	\$1,654.39	-\$187.49	-10.18%	\$4,126.92	\$4,136.15	\$9.23	0.22%
	5,500	\$2,352.60	\$2,555.71	\$203.12	8.63%	\$1,929.59	\$1,733.17	-\$196.41	-10.18%	\$4,282.18	\$4,288.89	\$6.70	0.16%
	5,750	\$2,420.15	\$2,629.66	\$209.51	8.66%	\$2,017.29	\$1,811.95	-\$205.34	-10.18%	\$4,437.44	\$4,441.62	\$4.17	0.09%
	6,000	\$2,487.70	\$2,703.62	\$215.91	8.68%	\$2,105.00	\$1,890.73	-\$214.27	-10.18%	\$4,592.71	\$4,594.35	\$1.64	0.04%
	6,250	\$2,555.26	\$2,777.57	\$222.31	8.70%	\$2,192.71	\$1,969.52	-\$223.20	-10.18%	\$4,747.97	\$4,747.09	(\$0.88)	-0.02%
	6,500	\$2,622.81	\$2,851.52	\$228.71	8.72%	\$2,280.42	\$2,048.30	-\$232.12	-10.18%	\$4,903.23	\$4,899.82	(\$3.41)	-0.07%
	2018				2019						Difference	Change	
First 3 therms			\$230.43				\$230.43				\$0.00	0.00%	
Next 497 therms			\$1.516300				\$1.665000				\$0.149	9.81%	
Over 500 therms			\$0.258000				\$0.283300				\$0.025	9.81%	
Billing & Payment Processing			\$1.390000				\$1.760000				\$0.370	26.62%	
Delivery Rate Adjustment													
Site Investigation & Remediation Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%	
Incremental State Assessment Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%	
Leak Prone Pipe Surcharge			\$0.000000				\$0.000000				\$0.000	0.00%	
System Benefits Charge			\$0.001600				\$0.001600				\$0.000	0.00%	
Energy Efficiency Surcharge			\$0.007500				\$0.007500				\$0.000	0.00%	
Monthly Cost of Gas			\$0.334190				\$0.299361				(\$0.035)	-10.42%	
Merchant Function Charge			\$0.012598				\$0.012128				(\$0.000)	-3.73%	
GRT on Delivery			1.010000%				1.010000%				\$0.000	0.00%	
GRT on Supply			1.010000%				1.010000%				\$0.000	0.00%	
MTA on Delivery			0.155000%				0.155000%				\$0.000	0.00%	
MTA on Supply			0.155000%				0.155000%				\$0.000	0.00%	

KeySpan Gas East Corporation d/b/a National Grid
Illustrative Example of TC/IT Pricing
Rate Year 1 - 2017

All TC Customers:

Proposed Customer Charge:	\$ 375.00 per month
Volumetric Charge	\$ 0.2412 per therm
Billing Charge	\$ 1.02 per bill

Additional Charges for Sales Customers:

Demand Charge	\$ 0.0360 per therm
MFC Charge	\$ 0.0028 per therm

All IT Customers:

Proposed Customer Charge:	\$ 375.00 per month
Volumetric Charge	\$ 0.2412 per therm
Billing Charge	\$ 1.02 per bill

Additional Charges for Sales Customers:

MFC Charge	\$ 0.0024 per therm
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KeySpan Gas East Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Stub Period Reconciliation

1. Gas Procurement and Commodity-Related Sales Promotion Expenses

	\$	<u>Billed dt</u>
i) Annual Expense Target		
Case 06-G-1186 (Sept 1, 2016 to Aug 31, 2017)	\$ 1,460,502	61,823,951
Rate Year 1 (Jan 1, 2017 to Dec 31, 2017)	\$ 848,000	64,643,374
ii) Pro-Rated GAC Year: Sept 1, 2016 to Aug 31, 2017		
Case 06-G-1186 (Sept 1, 2016 to Dec 31, 2016)	\$ 409,884	17,350,626
Rate Year 1 (Jan 1, 2017 to Aug 31, 2017)	\$ 588,794	<u>44,884,017</u>
Pro-Rated GAC Year Target	\$ 998,678	62,234,643
Unit Rate for Sept 1, 2016 to Aug 31, 2017		\$ 0.01605

2. Commodity Related Credit and Collection Expense Charge

	\$	<u>Billed dt</u>
i) Annual Expense Target		
Case 06-G-1186 (Sept 1, 2016 to Aug 31, 2017)	\$ 2,969,905	92,795,668
Rate Year 1 (Jan 1, 2017 to Dec 31, 2017)	\$ 1,723,000	96,732,000

Allocation between Sales Customers & Transportation Customer's ESCO's	Annual Sales-Dt	%	Expenses
SC 1, 2, 3, 15, 16, 17 & TC Sales	64,643,374		67% \$ 1,151,434
ESCOs (SC 5), TC & Interruptible Transportation	<u>32,088,625</u>		<u>33% \$ 571,566</u>
Total	96,732,000		100% \$ 1,723,000

ii) Pro-Rated GAC Year: Sept 1, 2016 to Aug 31, 2017		
Case 06-G-1186 (Sept 1, 2016 to Dec 31, 2016)	\$ 852,480	26,636,031
Rate Year 1 (Jan 1, 2017 to Aug 31, 2017)	\$ 1,198,173	<u>67,267,357</u>
Pro-Rated GAC Year Target	\$ 2,050,653	93,903,387
Unit Rate for Sept 1, 2016 to Aug 31, 2017		\$ 0.02184

Allocation between Sales Customers & Transportation Customer's ESCO's	Annual Sales-Dt	%	Expenses
SC 1, 2, 3, 15, 16, 17 & TC Sales	64,643,374		67% \$ 1,370,396
ESCOs (SC 5), TC & IT Transportation	<u>32,088,625</u>		<u>33% \$ 680,257</u>
Total	96,732,000		100% \$ 2,050,653

KeySpan Gas East Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Stub Period Reconciliation

3. Return Requirement on Gas Storage Inventory Charge

I) Set Return Requirement on Gas Storage Inventory Charge for: Sep 1, 2016 - Aug 31, 2017

	Estimated Storage Inventory Ending Balance (Less Capacity Release) (dt)	Estimated Wtd Avg Storage Inventory Cost (\$/dt)	Estimated Storage Inventory Costs (\$)
9/30/2016	27,673,197	\$ 1.76	\$ 48,701,959
10/31/2016	27,706,211	\$ 1.76	\$ 48,747,371
11/30/2016	24,653,574	\$ 1.76	\$ 43,497,782
12/31/2016	20,060,311	\$ 1.77	\$ 35,503,416
	<u>100,093,293</u>		<u>\$ 176,450,529</u>
a) Estimated Monthly Average Storage Inventory Costs (Sept 1, 2016 to Dec 31, 2016)			\$ 44,112,632
b) Pre-Tax Weighted Average Cost of Capital Case 06-G-1186 (Sept 1, 2016 to Aug 31, 2017)			11.52%
c) Estimated Return Requirement on Gas Storage Inventory (3a x 3b)			\$ 5,081,775
d) Projected SC 1, 2, 3, 15, 16 & 17 Firm Sales & SC 5 Firm Transport (Dt)			26,636,031

II. Set Return Requirement on Gas Storage Inventory Charge for: Jan 1, 2017 - August 31, 2017

	Estimated Storage Inventory Ending Balance (Less Capacity Release) (dt)	Estimated Wtd Avg Storage Inventory Cost (\$/dt)	Estimated Storage Inventory Costs (\$)
1/31/2018	12,303,420	\$ 2.11	\$ 25,959,350
2/28/2018	6,808,781	\$ 2.11	\$ 14,376,652
3/31/2018	3,485,290	\$ 2.10	\$ 7,304,052
4/30/2018	5,216,459	\$ 2.24	\$ 11,690,497
5/31/2018	9,340,953	\$ 2.32	\$ 21,659,182
6/30/2018	13,313,526	\$ 2.34	\$ 31,098,917
7/31/2018	15,705,560	\$ 2.36	\$ 37,013,346
8/31/2018	19,359,316	\$ 2.35	\$ 45,520,826
	<u>85,533,306</u>		<u>\$ 194,622,821</u>
a) Estimated Monthly Average Storage Inventory Costs (8 Months)			\$ 24,327,853
b) Pre-Tax Weighted Average Cost of Capital Rate Year (Jan 1, 2017 to Dec 31, 2017) /1			9.35%
c) Estimated Return Requirement on Gas Storage Inventory (a x b)			\$ 2,274,654

2) Allocate Return Requirement on Gas Storage Inventory to Firm Sales & Firm Transportation Customers

	Firm Sales	Firm Transportation	Total
a) Total Storage Capacity (dt)	17,484,775	8,819,398	26,304,173
b) Less Storage Capacity Release (dt)	-	1,483,707	1,483,707
c) Net Reliance on Storage Inventory	17,484,775	7,335,691	24,820,466
d) Storage Inventory Allocators			
e) Allocated Return Requirement on Gas Storage Inventory	\$ 1,602,380	\$ 672,274	\$ 2,274,654
f) Forecasted Firm Sales and Firm Transport Vols 1/1/17 - 8/31/17 (dt)	44,308,698	22,349,503	66,658,201

III. Pro-Rated GAC Year: Sept 1, 2016 to Aug 31, 2017

Case 06-G-1185 (Sept 1, 2016 to Dec 31, 2016)

Rate Year 1 (Jan 1, 2017 to Aug 31, 2017)

Pro-Rated GAC Year Target

\$ 5,081,775	26,636,031
\$ 2,274,654	<u>66,658,201</u>
\$ 7,356,429	93,294,231

Unit Rate for Sept 1, 2016 to Aug 31, 2017

\$ 0.07885

Notes:

1 Appendix 2, Schedule 1

KeySpan Gas East Corporation d/b/a National Grid
Total Annual Merchant Function Charges
Annual Expense Target in GAC Year
Gas Procurement and Commodity-Related Sales Promotion Expenses

Calendar Year : 2017				Calendar Year : 2018				Calendar Year : 2019				Calendar Year : 2020			
Total : \$ 848,000				Total ¹ : \$ 865,808				Total ¹ : \$ 883,990				Total ¹ : \$ 902,554			
Billed Sales				Billed Sales				Billed Sales				Billed Sales			
SC 1, 2, 3, 15, 16, 17, 9, TC and IT Sales				SC 1, 2, 3, 15, 16, 17, 9, TC and IT				SC 1, 2, 3, 15, 16, 17, 9, TC and IT				SC 1, 2, 3, 15, 16, 17, 9, TC and IT			
Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$	
Jan-2017	11%	\$ 144,558		Jan-2018	11%	\$ 147,630		Jan-2019	11%	\$ 151,180		Jan-2020	11%	\$ 159,212	
Feb-2017	10%	\$ 133,840		Feb-2018	10%	\$ 136,791		Feb-2019	10%	\$ 139,884		Feb-2020	10%	\$ 150,486	
Mar-2017	7%	\$ 103,291		Mar-2018	7%	\$ 105,570		Mar-2019	8%	\$ 107,900		Mar-2020	7%	\$ 108,649	
Apr-2017	6%	\$ 85,058		Apr-2018	6%	\$ 86,808		Apr-2019	6%	\$ 88,613		Apr-2020	7%	\$ 102,725	
May-2017	3%	\$ 44,057		May-2018	3%	\$ 44,905		May-2019	3%	\$ 45,693		May-2020	3%	\$ 49,124	
Jun-2017	2%	\$ 29,485		Jun-2018	2%	\$ 30,000		Jun-2019	2%	\$ 30,420		Jun-2020	2%	\$ 32,268	
Jul-2017	1%	\$ 24,213		Jul-2018	1%	\$ 24,542		Jul-2019	1%	\$ 24,794		Jul-2020	1%	\$ 24,369	
Aug-2017	1%	\$ 24,291		Aug-2018	1%	\$ 24,623		Aug-2019	1%	\$ 24,877		Aug-2020	1%	\$ 24,497	
Sep-2017	1%	\$ 25,649		Sep-2018	1%	\$ 26,022		Sep-2019	1%	\$ 26,317		Sep-2020	1%	\$ 24,362	
Oct-2017	1%	\$ 44,911		Oct-2018	1%	\$ 45,817		Oct-2019	1%	\$ 46,669		Oct-2020	1%	\$ 40,699	
Nov-2017	1%	\$ 74,739		Nov-2018	1%	\$ 76,445		Nov-2019	1%	\$ 78,155		Nov-2020	1%	\$ 71,839	
Dec-2017	1%	\$ 113,907		Dec-2018	1%	\$ 116,653		Dec-2019	1%	\$ 119,488		Dec-2020	1%	\$ 114,325	
Total	64,643,374	100%	\$ 848,000	Total	65,422,629	100%	\$ 865,808	Total	66,256,519	100%	\$ 883,990	Total	63,028,637	100%	\$ 902,554
GAC Year				GAC Year				GAC Year				GAC Year			
Monthly Allocation \$				Monthly Allocation \$				Monthly Allocation \$				Monthly Allocation \$			
Sep-2017	\$ 25,649			Sep-2018	\$ 26,022			Sep-2019	\$ 26,317			Sep-2020	\$ 24,362		
Oct-2017	\$ 44,911			Oct-2018	\$ 45,817			Oct-2019	\$ 46,669			Oct-2020	\$ 40,699		
Nov-2017	\$ 74,739			Nov-2018	\$ 76,445			Nov-2019	\$ 78,155			Nov-2020	\$ 71,839		
Dec-2017	\$ 113,907			Dec-2018	\$ 116,653			Dec-2019	\$ 119,488			Dec-2020	\$ 114,325		
Jan-2018	\$ 147,630			Jan-2019	\$ 151,180			Jan-2020	\$ 159,212						
Feb-2018	\$ 136,791			Feb-2019	\$ 139,884			Feb-2020	\$ 150,486						
Mar-2018	\$ 105,570			Mar-2019	\$ 107,900			Mar-2020	\$ 108,649						
Apr-2018	\$ 86,808			Apr-2019	\$ 88,613			Apr-2020	\$ 102,725						
May-2018	\$ 44,905			May-2019	\$ 45,693			May-2020	\$ 49,124						
Jun-2018	\$ 30,000			Jun-2019	\$ 30,420			Jun-2020	\$ 32,268						
Jul-2018	\$ 24,542			Jul-2019	\$ 24,794			Jul-2020	\$ 24,369						
Aug-2018	\$ 24,623			Aug-2019	\$ 24,877			Aug-2020	\$ 24,497						
Total	\$ 860,076			Total	\$ 878,299			Total	\$ 921,958						

Notes:
¹ : Adjusted for Inflation Rate of 2.1% per Appendix 2, Schedule 1

KeySpan Gas East Corporation d/b/a National Grid
Total Annual Merchant Function Charges
Annual Expense Target in GAC Year
Commodity-Related Credit and Collection Expenses

Calendar Year : 2017				Calendar Year : 2018				Calendar Year : 2019				Calendar Year : 2020			
Total :				Total ¹ :				Total :				Total ¹ :			
Billed Sales C 1, 2, 3, 15, 16 & 17, 9, Firm Transportation under SC 5, TC and Interruptible Sales and Transportation				Billed Sales C 1, 2, 3, 15, 16 & 17, 9, Firm Transportation under SC 5, TC and Interruptible Sales and Transportation				Billed Sales C 1, 2, 3, 15, 16 & 17, 9, Firm Transportation under SC 5, TC and Interruptible Sales and Transportation				Billed Sales C 1, 2, 3, 15, 16 & 17, 9, Firm Transportation under SC 5, TC and Interruptible Sales and Transportation			
Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$		Monthly Dt	%	Monthly Allocation \$	
Jan-2017	15,758,595	16%	\$ 280,694	Jan-2018	15,960,728	16%	\$ 286,718	Jan-2019	16,207,735	16%	\$ 293,474	Jan-2020	16,684,138	17%	\$ 305,689
Feb-2017	14,713,003	15%	\$ 262,069	Feb-2018	14,910,436	15%	\$ 267,850	Feb-2019	15,125,678	15%	\$ 273,882	Feb-2020	15,830,137	16%	\$ 290,042
Mar-2017	11,407,493	12%	\$ 203,191	Mar-2018	11,559,787	12%	\$ 207,659	Mar-2019	11,720,639	12%	\$ 212,226	Mar-2020	11,667,761	12%	\$ 213,778
Apr-2017	9,756,519	10%	\$ 173,784	Apr-2018	9,876,028	10%	\$ 177,412	Apr-2019	10,002,437	10%	\$ 181,115	Apr-2020	11,080,221	11%	\$ 203,013
May-2017	5,337,634	6%	\$ 95,074	May-2018	5,396,473	6%	\$ 96,942	May-2019	5,451,429	5%	\$ 98,709	May-2020	5,725,210	6%	\$ 104,898
Jun-2017	3,800,527	4%	\$ 67,695	Jun-2018	3,837,366	4%	\$ 68,934	Jun-2019	3,868,320	4%	\$ 70,044	Jun-2020	4,041,602	4%	\$ 74,051
Jul-2017	3,244,425	3%	\$ 57,790	Jul-2018	3,266,371	3%	\$ 58,677	Jul-2019	3,285,473	3%	\$ 59,490	Jul-2020	3,260,641	3%	\$ 59,742
Aug-2017	3,249,161	3%	\$ 57,874	Aug-2018	3,271,373	3%	\$ 58,767	Aug-2019	3,288,886	3%	\$ 59,552	Aug-2020	3,274,793	3%	\$ 60,001
Sep-2017	3,359,227	3%	\$ 59,835	Sep-2018	3,383,810	3%	\$ 60,787	Sep-2019	3,405,475	3%	\$ 61,663	Sep-2020	3,255,558	3%	\$ 59,649
Oct-2017	5,283,145	5%	\$ 94,104	Oct-2018	5,344,925	5%	\$ 96,016	Oct-2019	5,402,331	5%	\$ 97,820	Oct-2020	4,902,628	5%	\$ 89,827
Nov-2017	8,366,339	9%	\$ 149,022	Nov-2018	8,480,614	9%	\$ 152,345	Nov-2019	8,598,961	9%	\$ 155,702	Nov-2020	8,040,265	8%	\$ 147,315
Dec-2017	12,455,931	13%	\$ 221,866	Dec-2018	12,640,603	13%	\$ 227,075	Dec-2019	12,837,414	13%	\$ 232,448	Dec-2020	12,326,097	12%	\$ 225,840
Total	96,732,000	100%	\$ 1,723,000	Total	97,928,513	100%	\$ 1,759,183	Total	99,194,778	100%	\$ 1,796,126	Total	100,089,050	100%	\$ 1,833,844
GAC Year				GAC Year				GAC Year				GAC Year			
Monthly Allocation \$				Monthly Allocation \$				Monthly Allocation \$				Monthly Allocation \$			
Sep-2017	\$ 59,835	Sep-2018	\$ 60,787	Sep-2019	\$ 61,663	Sep-2020	\$ 61,663								
Oct-2017	\$ 94,104	Oct-2018	\$ 96,016	Oct-2019	\$ 97,820	Oct-2020	\$ 97,820								
Nov-2017	\$ 149,022	Nov-2018	\$ 152,345	Nov-2019	\$ 155,702	Nov-2020	\$ 155,702								
Dec-2017	\$ 221,866	Dec-2018	\$ 227,075	Dec-2019	\$ 232,448	Dec-2020	\$ 232,448								
Jan-2018	\$ 286,718	Jan-2019	\$ 293,474	Jan-2020	\$ 305,689	Jan-2021	\$ 305,689								
Feb-2018	\$ 267,850	Feb-2019	\$ 273,882	Feb-2020	\$ 290,042	Feb-2021	\$ 290,042								
Mar-2018	\$ 207,659	Mar-2019	\$ 212,226	Mar-2020	\$ 213,778	Mar-2021	\$ 213,778								
Apr-2018	\$ 177,412	Apr-2019	\$ 181,115	Apr-2020	\$ 203,013	Apr-2021	\$ 203,013								
May-2018	\$ 96,942	May-2019	\$ 98,709	May-2020	\$ 104,898	May-2021	\$ 104,898								
Jun-2018	\$ 68,934	Jun-2019	\$ 70,044	Jun-2020	\$ 74,051	Jun-2021	\$ 74,051								
Jul-2018	\$ 58,677	Jul-2019	\$ 59,490	Jul-2020	\$ 59,742	Jul-2021	\$ 59,742								
Aug-2018	\$ 58,767	Aug-2019	\$ 59,552	Aug-2020	\$ 60,001	Aug-2021	\$ 60,001								
Total	\$ 1,747,787	Total	\$ 1,784,716	Total	\$ 1,858,847	Total	\$ 1,858,847								

Notes:
1 : Adjusted for Inflation Rate of 2.1% per Appendix 2, Schedule 1

Keyspan Gas East Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Uncollectible Expenses Associated with Gas Costs
Applicable to Firm Sales Customers under SC 1, 2, 3, 15, 16, 17, 9, TC & Interruptible

1) Set Commodity Related Uncollectible Expenses Associated with Gas Costs Each Month:	SC 1, 2, 3, & 17 <u>Per Dt</u>	SC 15 <u>Per Dt</u>	SC 16 <u>Per Dt</u>	SC 9 <u>Per Dt</u>	TC <u>Per Dt</u>	IT <u>Per Dt</u>
a) Effective Monthly Cost of Gas and Adjustments	\$3.97	\$2.89	\$3.28	\$2.85	\$2.66	\$2.31
b) Uncollectible Factor /1	1.0593%	1.0593%	1.0593%	1.0593%	1.0593%	1.0593%
c) Commodity Related Uncollectible Expense Charge: (a x b)	\$0.04210	\$0.03065	\$0.03478	\$0.03018	\$0.02822	\$0.02446

Notes:

1 : Exhibit_SSP-4, Schedule 2, Page 1

Keyspan Gas East Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Return Requirement on Gas Purchase Related Working Capital Charge
Applicable to Firm Sales Customers under SC 1, 2, 3, 15, 16, 17, 9

1) Set Commodity Related Uncollectible Expenses Associated with Gas Costs Each Month:	SC 1, 2, 3, & 17 Per Dt	SC 15 Per Dt	SC 16 Per Dt	SC 9 Per Dt	TC Per Dt	Interruptible Sales Per Dt
a) Effective Monthly Cost of Gas and Adjustments	\$3.97394	\$2.89345	\$3.28325	\$2.84876	\$2.66404	\$2.30867
b) Lead Lag Rate /1	7.76%	7.76%	7.76%	7.76%	7.76%	7.76%
c) Pre-Tax Weighted Average Cost of Capital /2	9.35%	9.35%	9.35%	9.35%	9.35%	9.35%
d) Return Requirement on Gas Purchase Working Capital Charge (\$/Dt) (a x b x c)	\$0.02882	\$0.02099	\$0.02381	\$0.02066	\$0.01932	\$0.01674

Notes:

- 1 : Exhibit__RRP-7, Schedule 5, Page 1
- 2 : Appendix 2, Schedule 1

Keyspan Gas East Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation Gas Procurement and
Commodity-Related Sales Promotion Expenses and Reconciliation
Applicable to Firm Sales Customers under SC 1, 2, 3, 15,16 , 17, 9,
TC Sales and Interruptible Sales

1) Set Gas Procurement and Commodity-Related Sales Promotion Expenses for:	
September 1, 2017 - August 31, 2018	
a) Allowed Expenses / 1	\$860,076
b) Forecasted SC 1, 2, 3, 15, 16, 17, 9 & TC Sales	65,162,613 Dt
c) Unit Rate effective September 1, 2017 - August 31, 2019 = (2a / 2b)	\$0.01320 \$/Dt
2) Perform Annual Reconciliation : January 1, 2019 - December 31, 2019	
a) Actual Recoveries	\$1,000,000
b) Allowed Expense	<u>\$860,076</u>
c) Resulting Over Recovery (-) / Under Recovery (+) = (2b - 2a)	(\$139,924)
d) Forecasted SC 1, 2, 3, 15, 16, 17 & TC Sales	57,300,696 Dt
e) Annual Reconciliation effective January 1, 2019 - December 31, 2019 = (2c / 2d)	(\$0.00244) \$/Dt
(surcharges/credits shall include simple interest at the Commission's other customer capital rate)	

Notes:

1 : Schedule 7.2, Page 1

Keyspan Gas East Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Commodity Related Credit and Collection Charge and Annual Reconciliation
Applicable to Firm Sales Customers under SC 1, 2, 3, 15, 16 & 17, 9
Firm Transportation under SC 5, TC and Interruptible Sales and Transportation

1) i) Set Commodity Related Credit and Collection Expense Charge for : September 1, 2017 - August 31, 2018			
a) Allowed GAC Year Expenses /1		\$1,747,787	
b) Forecasted Firm Sales and Firm Transportation Customers: SC 1, 2, 3, 15, 16 & 17 Firm Sales , SC 5 Firm Transportation & TC Sales and Transportation		97,543,206	Dt
c) Commodity Related Credit and Collection Expense Charge (a / b) : Effective September 1, 2017 - August 31, 2018		\$0.01792	\$/Dt
ii) Allocation between Sales Customers & Transportation Customer's ESCO's			
SC Factors (SC 1, 2, 3, 15, 16 , 17 , 9)	Annual Sales-Dt	65,162,613	67% \$ 1,167,589
ESCO Charge (SC 5)		<u>32,380,592</u>	<u>33% \$ 580,198</u>
Total		97,543,206	100% \$ 1,747,787
2) Perform Annual Reconciliation : January 1, 2019 - December 31, 2019			
a) Actual Recoveries		\$2,500,000	
b) Allowed Expense		<u>\$1,747,787</u>	
c) Resulting Over Recovery (-) / Under Recovery (+) = (2b - 2a)		(\$752,213)	
d) Forecasted Firm Sales and Firm Transportation Customers: SC 1, 2, 3, 15, 16 , 17, 9 Firm Sales , SC 5 Firm Transportation		99,194,778	Dt
e) Annual Reconciliation effective January 1, 2019 - December 31, 2019 = (2c / 2d) (surcharges/credits shall include simple interest at the Commission's other customer capital rate)		(\$0.00758)	\$/Dt

Notes:

1 : Schedule 7.2, Page 2

Keyspan Gas East Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Return Requirement on Gas Storage Inventory and Reconciliation
Applicable to Firm Sales Customers under SC 1, 2, 3, 15, 16, 17 & 9 Firm Sales & SC 5 Firm Transportation

1) Set Return Requirement on Gas Storage Inventory Charge for: Sep 1, 2017 - Aug 31, 2018

	Estimated Storage Inventory Ending Balance (Less Capacity Release) (dt)	Estimated Wtd Avg Storage Inventory Cost (\$/dt)	Estimated Storage Inventory Costs (\$)
9/30/2017	23,554,505	\$ 2.10	\$ 49,580,055
10/31/2017	26,471,358	\$ 2.10	\$ 55,713,184
11/30/2017	24,241,903	\$ 2.11	\$ 51,110,427
12/31/2017	19,356,725	\$ 2.11	\$ 40,823,287
1/31/2018	12,303,420	\$ 2.11	\$ 25,959,350
2/28/2018	6,808,781	\$ 2.11	\$ 14,376,652
3/31/2018	3,485,290	\$ 2.10	\$ 7,304,052
4/30/2018	5,216,459	\$ 2.24	\$ 11,690,497
5/31/2018	9,340,953	\$ 2.32	\$ 21,659,182
6/30/2018	13,313,526	\$ 2.34	\$ 31,098,917
7/31/2018	15,705,560	\$ 2.36	\$ 37,013,346
8/31/2018	<u>19,359,316</u>	\$ 2.35	<u>\$ 45,520,826</u>
	179,157,797		\$ 391,849,774
a) Estimated Monthly Average Storage Inventory Costs (12 Months)			\$ 32,654,148
b) Pre-Tax Weighted Average Cost of Capital			
Rate Year 1 (Jan 1, 2017 to Dec 31, 2017) /1			9.35%
Rate Year 2 (Jan 1, 2018 to Dec 31, 2018) /1			9.35%
Average Pre-Tax WACC			9.35%
c) Estimated Return Requirement on Gas Storage Inventory (1a x 1b)			\$ 3,053,163

2) Allocate Return Requirement on Gas Storage Inventory to Firm Sales & Firm Transportation Customers

	Firm Sales	Firm Transportation	Total
a) Total Storage Capacity (dt)	17,511,449	8,792,725	26,304,173
b) Less Storage Capacity Release (dt)	-	1,483,707	1,483,707
c) Net Reliance on Storage Inventory	17,511,449	7,309,018	24,820,466
d) Storage Inventory Allocators			
e) Allocated Return Requirement on Gas Storage Inventory	\$ 2,154,081	\$ 899,081	\$ 3,053,163
f) Forecasted Firm Sales and Firm Transport Vols 9/1/17 - 8/31/18 (dt)	64,385,020	32,328,550	96,713,570
g) Return Requirement on Gas Storage Inventory Charge (\$/dt) Effective September 1, 2017 - August 31, 2018	\$ 0.03346	\$ 0.02781	

Keyspan Gas East Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Return Requirement on Gas Storage Inventory and Reconciliation
Applicable to Firm Sales Customers under SC 1, 2, 3, 15, 16, 17 & 9 Firm Sales & SC 5 Firm Transportation

3) **Annual Reconciliation for: Jan 1, 2019 - Dec 31, 2019**

	Firm Sales	Firm Transportation	Total
a) Return Requirement on Gas Storage Inventory Charge Recoveries			
Actual Billed Sales & Transportation Volumes (dt)	67,604,271	35,561,405	103,165,676
Actual Recoveries	\$ 2,261,785	\$ 988,990	\$ 3,250,775

b) Actual Return Requirement on Gas Storage Inventory

	Actual Storage Inventory Ending Balance (Less Capacity Release) (dt)	Actual Wtd Avg Storage Inventory Cost (\$/dt)	Actual Storage Inventory Costs (\$)
9/30/2017	23,318,960	\$ 2.42	\$ 56,446,892
10/31/2017	26,206,644	\$ 2.42	\$ 63,429,460
11/30/2017	23,999,484	\$ 2.42	\$ 58,189,221
12/31/2017	19,163,157	\$ 2.43	\$ 46,477,312
1/31/2018	12,180,386	\$ 2.43	\$ 29,554,720
2/28/2018	6,740,693	\$ 2.43	\$ 16,367,818
3/31/2018	3,450,437	\$ 2.41	\$ 8,315,664
4/30/2018	5,164,295	\$ 2.58	\$ 13,309,631
5/31/2018	9,247,544	\$ 2.67	\$ 24,658,978
6/30/2018	13,180,391	\$ 2.69	\$ 35,406,117
7/31/2018	15,548,505	\$ 2.71	\$ 42,139,694
8/31/2018	19,165,722	\$ 2.70	\$ 51,825,461
	177,366,219		\$ 446,120,967

i) Actual Monthly Average Storage Inventory Costs (12 Months)	\$ 37,176,747
ii) Pre-Tax Weighted Average Cost of Capital	
Rate Year 1 (Jan 1, 2017 to Dec 31, 2017) /1	9.35%
Rate Year 2 (Jan 1, 2018 to Dec 31, 2018) /1	9.35%
Average Pre-Tax WACC	9.35%
iii) Actual Return Requirement on Gas Storage Inventory (1a x 1b)	\$ 3,476,026
c) Resulting Over Recovery (-) / Under Recovery (+) = (3b - 3a)	\$ 225,251

Allocate Return Requirement on Gas Storage Inventory to Firm Sales & Firm Transportation Customers

	Firm Sales	Firm Transportation	Total
a) Total Storage Capacity (dt)	17,512,028	8,792,145	26,304,173
b) Less Storage Capacity Release (dt)	-	1,483,707	1,483,707
c) Net Reliance on Storage Inventory	17,512,028	7,308,438	24,820,466
d) Storage Inventory Allocators			
e) Allocated Return Requirement on Gas Storage Inventory	\$ 158,925	\$ 66,326	\$ 225,251
f) Forecasted Firm Sales and Firm Transport Vols 1/1/19 - 12/31/19 (dt)	65,498,233	32,884,253	98,382,485
g) Return Requirement on Gas Storage Inventory Charge (\$/dt)	\$ 0.0024	\$ 0.0020	
Annual Reconciliation Factor: Jan 1, 2019 to Dec 31, 2019 (\$/dt)			
(will include simple interest at the Commission's other customer capital rate)			

Notes:

1 Appendix 2, Schedule 1

KeySpan Gas East Corporation d/b/a National Grid
Benchmark Margin Per Customer - Residential Heat
For Rate Year Ending December 31, 2017

Proposed Rates													
MPC Target Development Proposal													
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
Block 1*	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	\$ 22.6800	
Block 2	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	\$ 1.0680	
Block 3	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	\$ 0.2444	
* includes consolidated billing charge													
Sales Block Distribution	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
Minimum Charge	1.41559%	1.54843%	1.98534%	2.56952%	5.01377%	7.74989%	9.34169%	9.24827%	8.53445%	4.50980%	2.70899%	1.78067%	
Block 2	21.64372%	23.61811%	29.98659%	38.05231%	61.57656%	67.14466%	68.59183%	67.33129%	65.08869%	50.47074%	36.91866%	26.66443%	
Transport Block Distribution	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
Minimum Charge	1.24674%	1.36227%	1.73990%	2.23852%	4.28159%	6.43869%	7.63393%	7.55142%	7.01487%	3.85061%	2.33784%	1.55624%	
Block 2	19.01581%	20.63240%	26.12437%	33.04719%	54.68923%	65.71331%	63.19903%	64.85263%	65.03901%	44.69597%	32.26075%	23.38282%	
Rate Case Forecast	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
Rate 1B													
# Meters	386,535	387,589	388,260	390,162	390,453	390,398	390,223	390,331	390,698	391,094	392,057	393,152	
Billed Sales (Dth)	8,121,521	7,441,985	5,809,896	4,519,074	2,304,808	1,482,016	1,223,644	1,230,510	1,338,029	2,532,246	4,282,138	6,543,679	
Billed Sales (Th)	81,215,207	74,419,852	58,098,965	45,190,737	23,048,083	14,820,157	12,236,436	12,305,102	13,380,292	25,322,460	42,821,376	65,436,786	
	2.97	2.97	2.97	2.98	2.96	2.94	2.93	2.92	2.92	2.92	2.96	2.96	
	45.48	45.35	44.87	44.07	36.35	25.49	21.51	21.23	22.29	32.68	40.32	44.38	
Minimum Volume	1,149,675	1,152,342	1,153,459	1,161,186	1,155,577	1,148,546	1,143,090	1,138,009	1,141,934	1,141,992	1,160,025	1,165,214	
Block 2 Volume	17,577,995	17,576,564	17,421,900	17,196,119	14,192,216	9,950,944	8,393,195	8,285,184	8,709,057	12,780,432	15,809,080	17,448,347	
Block 3 Volume	62,487,538	55,690,946	39,523,605	26,833,432	7,700,290	3,720,667	2,700,151	2,881,909	3,529,301	11,400,036	25,852,270	46,823,225	
Block 1 Margin	8,766,622	8,790,518	8,805,728	8,848,881	8,855,466	8,854,227	8,850,256	8,852,714	8,861,024	8,870,012	8,891,855	8,916,696	
Block 2 Margin	18,773,298	18,771,770	18,606,589	18,365,455	15,157,286	10,627,608	8,963,932	8,848,576	9,301,273	13,649,501	16,884,097	18,634,834	
Block 3 Margin	15,271,954	13,610,867	9,659,569	6,558,091	1,881,951	909,331	659,917	704,339	862,561	2,786,169	6,318,295	11,443,596	
Billed Margin	\$ 42,811,874	\$ 41,173,155	\$ 37,071,886	\$ 33,772,427	\$ 25,894,703	\$ 20,391,166	\$ 18,474,106	\$ 18,405,629	\$ 19,024,858	\$ 25,305,682	\$ 32,094,247	\$ 38,995,126	
Margin Per Cust	\$ 110.76	\$ 106.23	\$ 95.48	\$ 86.56	\$ 66.32	\$ 52.23	\$ 47.34	\$ 47.15	\$ 48.69	\$ 64.70	\$ 81.86	\$ 99.19	
Rate T1B	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
# Meters	40,366	40,476	40,546	40,745	40,775	40,769	40,751	40,762	40,801	40,842	40,943	41,057	
Billed Sales (Dth)	965,098	885,190	694,412	541,996	282,978	186,550	156,787	157,600	170,341	311,362	517,856	784,673	
Billed Sales (Th)	9,650,978	8,851,897	6,944,125	5,419,955	2,829,779	1,865,500	1,567,870	1,576,003	1,703,414	3,113,624	5,178,564	7,846,729	
Minimum Volume	120,322	120,587	120,821	121,327	121,160	120,114	119,690	119,011	119,492	119,894	121,066	122,114	
Block 2 Volume	1,835,212	1,826,359	1,814,109	1,791,143	1,547,585	1,225,882	990,879	1,022,080	1,107,884	1,391,664	1,670,643	1,834,787	
Block 3 Volume	7,695,444	6,904,952	5,009,195	3,507,485	1,161,035	519,505	457,301	434,913	476,038	1,602,066	3,386,854	5,889,828	
Block 1 Margin	915,501	917,997	919,585	924,091	924,779	924,650	924,235	924,492	925,360	926,298	928,579	931,173	
Block 2 Margin	1,960,006	1,950,551	1,937,468	1,912,941	1,652,820	1,309,242	1,058,259	1,091,581	1,183,220	1,486,297	1,784,247	1,959,552	
Block 3 Margin	1,880,767	1,687,570	1,224,247	857,229	283,757	126,967	111,764	106,293	116,344	391,545	827,747	1,439,474	
Billed Margin	\$ 4,756,274	\$ 4,556,118	\$ 4,081,301	\$ 3,694,262	\$ 2,861,356	\$ 2,360,859	\$ 2,094,258	\$ 2,122,365	\$ 2,224,923	\$ 2,804,140	\$ 3,540,574	\$ 4,330,200	
Margin Per Cust	\$ 117.83	\$ 112.56	\$ 100.66	\$ 90.67	\$ 70.17	\$ 57.91	\$ 51.39	\$ 52.07	\$ 54.53	\$ 68.66	\$ 86.48	\$ 105.47	
1 # Customers	426,901	428,065	428,806	430,907	431,228	431,167	430,974	431,094	431,498	431,936	433,000	434,209	
2 Billed Sales (Dth)	9,086,619	8,327,175	6,504,309	5,061,069	2,587,786	1,668,566	1,380,431	1,388,111	1,508,371	2,843,608	4,799,994	7,328,352	
3 Monthly Billed Margin	\$ 47,568,148	\$ 45,729,273	\$ 41,153,187	\$ 37,466,688	\$ 28,756,059	\$ 22,752,025	\$ 20,568,364	\$ 20,527,994	\$ 21,249,781	\$ 28,109,822	\$ 35,634,820	\$ 43,325,326	
4 Margin Per Cust	\$ 111.43	\$ 106.83	\$ 95.97	\$ 86.95	\$ 66.68	\$ 52.77	\$ 47.73	\$ 47.62	\$ 49.25	\$ 65.08	\$ 82.30	\$ 99.78	
= Sum of Line 1												12 M Total Cust #	5,169,786
= Sum of Line 2, as shown on Appendix 4, Schedule 4.1, Total Proposed SC1B&BR Billes Sales												12 M Billed Sales (Dth)	52,484,389
= Appendix 4, Schedule 4.1, Total Proposed SC1B&BR Billed Delivery Revenue + Consolidated Billing Charge (Line 1 * \$1.02)												12 M Rev	392,841,488
= Average of Line 1												12 M Avg Cust #	430,815
= Sum of Line 4												RDM RY MPC	\$ 912.37

**KeySpan Gas East Corporation d/b/a National Grid
Benchmark Margin Per Customer - Residential Heat
For Rate Year Ending December 31, 2018**

Proposed Rates												
MPC Target Development Proposal												
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Block 1*	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500	\$ 23.0500
Block 2	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696	\$ 1.1696
Block 3	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676	\$ 0.2676
* Includes consolidated billing charge												
Sales Block Distribution												
Minimum Charge	1.42367%	1.55746%	1.99535%	2.58512%	5.03397%	7.76863%	9.37748%	9.28415%	8.56476%	4.52316%	2.71704%	1.78612%
Block 2	21.76305%	23.75112%	30.12985%	38.26103%	61.71932%	67.17438%	68.61583%	67.35257%	65.11609%	50.54589%	37.00381%	26.74054%
Transport Block Distribution												
Minimum Charge	1.24702%	1.36256%	1.74000%	2.23860%	4.27901%	6.43083%	7.70475%	7.62091%	7.07459%	3.86588%	2.34160%	1.55679%
Block 2	19.01996%	20.63658%	26.12578%	33.04790%	54.66916%	65.68985%	63.31562%	64.95058%	65.15154%	44.78918%	32.30219%	23.39069%
Rate Case Forecast												
Rate 1B												
# Meters	394,486	396,113	396,769	398,656	398,932	398,862	398,672	398,765	399,116	399,497	400,445	401,526
Billed Sales (Dth)	8,241,470	7,561,464	5,907,375	4,589,532	2,345,364	1,510,449	1,252,271	1,252,207	1,361,989	2,578,970	4,360,692	6,662,634
Billed Sales (Th)	82,414,702	75,614,637	59,073,748	45,895,315	23,453,640	15,104,487	12,452,706	12,522,072	13,619,888	25,789,705	43,606,924	66,626,336
	2.97	2.97	2.97	2.98	2.96	2.94	2.92	2.92	2.92	2.92	2.96	2.96
	45.47	45.34	44.86	44.05	36.29	25.44	21.43	21.15	22.22	32.63	40.30	44.37
Minimum Volume	1,173,313	1,177,671	1,178,730	1,186,451	1,180,649	1,173,412	1,167,750	1,162,569	1,166,510	1,166,508	1,184,820	1,190,025
Block 2 Volume	17,935,950	17,959,326	17,798,831	17,560,022	14,475,426	10,146,345	8,544,528	8,433,937	8,868,738	13,035,636	16,136,224	17,816,241
Block 3 Volume	63,305,439	56,477,640	40,096,188	27,148,843	7,797,565	3,784,730	2,740,428	2,925,567	3,584,640	11,587,560	26,285,880	47,620,070
Block 1 Margin	9,092,904	9,130,408	9,145,519	9,189,027	9,195,372	9,193,765	9,189,382	9,191,532	9,199,629	9,208,416	9,230,267	9,255,166
Block 2 Margin	20,977,887	21,005,228	20,817,512	20,538,202	16,930,458	11,867,166	9,993,680	9,864,333	10,372,876	15,246,480	18,872,928	20,837,876
Block 3 Margin	16,940,535	15,113,416	10,729,740	7,265,030	2,086,628	1,012,794	733,338	782,882	959,250	3,100,831	7,034,101	12,743,131
Billed Margin	\$ 47,011,327	\$ 45,249,053	\$ 40,692,771	\$ 36,992,259	\$ 28,212,459	\$ 22,073,724	\$ 19,916,401	\$ 19,838,746	\$ 20,531,755	\$ 27,555,727	\$ 35,137,297	\$ 42,836,172
Margin Per Cust	\$ 119.17	\$ 114.23	\$ 102.56	\$ 92.79	\$ 70.72	\$ 55.34	\$ 49.96	\$ 49.75	\$ 51.44	\$ 68.98	\$ 87.75	\$ 106.68
Rate T1B												
# Meters	41,196	41,366	41,435	41,632	41,661	41,653	41,633	41,643	41,680	41,720	41,819	41,931
Billed Sales (Dth)	984,724	904,464	709,590	553,775	289,298	190,830	158,700	159,525	172,529	316,786	528,083	801,097
Billed Sales (Th)	9,847,242	9,044,645	7,095,898	5,537,752	2,892,977	1,908,303	1,587,000	1,595,253	1,725,286	3,167,863	5,280,834	8,010,974
Minimum Volume	122,797	123,239	123,469	123,968	123,791	122,720	122,274	121,573	122,057	122,466	123,656	124,714
Block 2 Volume	1,872,942	1,866,506	1,853,859	1,830,111	1,581,566	1,253,561	1,004,819	1,036,126	1,124,051	1,418,860	1,705,825	1,873,822
Block 3 Volume	7,851,503	7,054,900	5,118,571	3,583,673	1,187,620	532,022	459,907	437,554	479,179	1,626,537	3,451,353	6,012,438
Block 1 Margin	949,575	953,491	955,069	959,613	960,276	960,108	959,650	959,875	960,720	961,638	963,920	966,520
Block 2 Margin	2,190,593	2,183,065	2,168,273	2,140,497	1,849,800	1,466,165	1,175,237	1,211,853	1,314,690	1,659,498	1,995,133	2,191,622
Block 3 Margin	2,101,062	1,887,891	1,369,730	958,991	317,807	142,369	123,071	117,089	128,228	435,261	923,582	1,608,928
Billed Margin	\$ 5,241,230	\$ 5,024,448	\$ 4,493,072	\$ 4,059,101	\$ 3,127,882	\$ 2,568,642	\$ 2,257,958	\$ 2,288,817	\$ 2,403,638	\$ 3,056,397	\$ 3,882,635	\$ 4,767,070
Margin Per Cust	\$ 127.23	\$ 121.46	\$ 108.44	\$ 97.50	\$ 75.08	\$ 61.67	\$ 54.23	\$ 54.96	\$ 57.67	\$ 73.26	\$ 92.84	\$ 113.69
1 # Customers	435,682	437,479	438,203	440,288	440,592	440,515	440,305	440,408	440,796	441,217	442,264	443,457
2 Billed Sales (Dth)	9,226,194	8,465,928	6,616,965	5,143,307	2,634,662	1,701,279	1,403,971	1,411,733	1,534,517	2,895,757	4,888,776	7,463,731
3 Monthly Billed Margin	\$ 52,252,557	\$ 50,273,500	\$ 45,185,843	\$ 41,051,360	\$ 31,340,341	\$ 24,642,366	\$ 22,174,358	\$ 22,127,563	\$ 22,935,393	\$ 30,612,124	\$ 39,019,932	\$ 47,603,243
4 Margin Per Cust	\$ 119.93	\$ 114.92	\$ 103.12	\$ 93.24	\$ 71.13	\$ 55.94	\$ 50.36	\$ 50.24	\$ 52.03	\$ 69.38	\$ 88.23	\$ 107.35
= Sum of Line 1											12 M Total Cust #	5,281,208
= Sum of Line 2, as shown on Appendix 4, Schedule 4.2, Total Proposed SC1B&BR Billed Sales											12 M Billed Sales (Dth)	53,386,819
= Appendix 4, Schedule 4.2, Total Proposed SC1B&BR Billed Delivery Revenue + Consolidated Billing Charge (Line 1 * \$1.39)											12 M Rev \$	429,218,582
= Average of Line 1											12 M Avg Cust #	440,101
= Sum of Line 4											RDM RY MPC \$	975.87

KeySpan Gas East Corporation d/b/a National Grid
Benchmark Margin Per Customer - Residential Heat
For Rate Year Ending December 31, 2019

Proposed Rates												
MPC Target Development Proposal												
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Block 1*	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200	\$ 23.4200
Block 2	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839	\$ 1.2839
Block 3	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938	\$ 0.2938
* Includes consolidated billing charge												
Sales Block Distribution												
Minimum Charge	1.42843%	1.56285%	2.00180%	2.59535%	5.05339%	7.80028%	9.46653%	9.37289%	8.64008%	4.54027%	2.72053%	1.78611%
Block 2	21.83337%	23.83018%	30.22208%	38.39794%	61.85642%	67.22419%	68.67557%	67.40516%	65.18513%	50.64224%	37.04064%	26.74039%
Transport Block Distribution												
Minimum Charge	1.24665%	1.36229%	1.74091%	2.24043%	4.29615%	6.47704%	7.76770%	7.68261%	7.12759%	3.87785%	2.34335%	1.55599%
Block 2	19.01446%	20.63268%	26.13844%	33.07268%	54.79893%	65.82489%	63.42041%	65.03828%	65.25231%	44.86256%	32.32133%	23.37936%
Rate Case Forecast												
Rate 1B												
# Meters	403,040	404,079	404,735	406,622	406,897	406,828	406,637	406,731	407,082	407,463	408,411	409,491
Billed Sales (Dth)	8,392,084	7,686,910	6,006,550	4,662,759	2,382,960	1,534,287	1,257,969	1,265,053	1,376,976	2,620,417	4,441,691	6,794,855
Billed Sales (Th)	83,920,844	76,869,100	60,065,495	46,627,592	23,829,596	15,342,873	12,579,689	12,650,534	13,769,756	26,204,165	44,416,913	67,948,548
	2.97	2.97	2.97	2.98	2.96	2.94	2.93	2.92	2.92	2.92	2.96	2.96
	45.46	45.33	44.85	44.03	36.23	25.35	21.25	20.97	22.05	32.57	40.28	44.37
Minimum Volume	1,198,750	1,201,345	1,202,389	1,210,149	1,204,202	1,196,788	1,190,860	1,185,720	1,189,718	1,189,739	1,208,377	1,213,633
Block 2 Volume	18,322,751	18,318,048	18,153,041	17,904,033	14,740,134	10,314,123	8,639,173	8,527,113	8,975,834	13,270,376	16,452,309	18,169,708
Block 3 Volume	64,399,342	57,349,707	40,710,065	27,513,411	7,885,260	3,831,963	2,749,656	2,937,701	3,604,204	11,744,050	26,756,227	48,565,207
Block 1 Margin	9,439,207	9,463,530	9,478,883	9,523,090	9,529,536	9,527,903	9,523,450	9,525,634	9,533,862	9,542,790	9,564,992	9,590,290
Block 2 Margin	23,524,580	23,518,541	23,306,690	22,986,988	18,924,858	13,242,302	11,091,834	10,947,960	11,524,073	17,037,836	21,123,119	23,328,088
Block 3 Margin	18,920,527	16,849,344	11,960,617	8,083,440	2,316,689	1,125,311	807,849	863,097	1,058,915	3,450,402	7,860,980	14,268,458
Billed Margin	\$ 51,884,314	\$ 49,831,415	\$ 44,746,189	\$ 40,593,518	\$ 30,771,084	\$ 23,896,036	\$ 21,423,133	\$ 21,336,691	\$ 22,116,850	\$ 30,031,027	\$ 38,549,090	\$ 47,186,835
Margin Per Cust	\$ 128.73	\$ 123.32	\$ 110.56	\$ 99.83	\$ 75.62	\$ 58.74	\$ 52.68	\$ 52.46	\$ 54.33	\$ 73.70	\$ 94.39	\$ 115.23
Rate T1B												
# Meters	42,090	42,198	42,267	42,464	42,492	42,485	42,465	42,475	42,512	42,552	42,651	42,763
Billed Sales (Dth)	1,006,381	922,836	723,457	564,379	293,894	193,235	160,551	161,395	174,651	322,098	538,187	817,413
Billed Sales (Th)	10,063,809	9,228,360	7,234,574	5,643,794	2,938,939	1,932,353	1,605,514	1,613,947	1,746,510	3,220,980	5,381,865	8,174,132
Minimum Volume	125,460	125,717	125,947	126,445	126,261	125,159	124,711	123,993	124,484	124,905	126,116	127,189
Block 2 Volume	1,913,579	1,904,058	1,891,005	1,866,554	1,610,507	1,271,969	1,018,224	1,049,683	1,139,638	1,445,014	1,739,490	1,911,059
Block 3 Volume	8,024,770	7,198,584	5,217,622	3,650,795	1,202,171	535,225	462,579	440,270	482,388	1,651,061	3,516,259	6,135,884
Block 1 Margin	985,739	988,279	989,883	994,499	995,172	995,002	994,537	994,765	995,624	996,557	998,875	1,001,517
Block 2 Margin	2,456,844	2,444,621	2,427,861	2,396,469	2,067,730	1,633,082	1,307,297	1,347,688	1,463,181	1,855,253	2,233,332	2,453,609
Block 3 Margin	2,357,677	2,114,944	1,532,937	1,072,604	353,198	157,249	135,906	129,351	141,726	485,082	1,033,077	1,802,723
Billed Margin	\$ 5,800,261	\$ 5,547,844	\$ 4,950,681	\$ 4,463,571	\$ 3,416,101	\$ 2,785,332	\$ 2,437,740	\$ 2,471,805	\$ 2,600,531	\$ 3,336,891	\$ 4,265,284	\$ 5,257,849
Margin Per Cust	\$ 137.81	\$ 131.47	\$ 117.13	\$ 105.12	\$ 80.39	\$ 65.56	\$ 57.41	\$ 58.19	\$ 61.17	\$ 78.42	\$ 100.01	\$ 122.95
1 # Customers	445,130	446,277	447,001	449,086	449,390	449,313	449,103	449,206	449,594	450,015	451,062	452,255
2 Billed Sales (Dth)	9,398,465	8,609,746	6,730,007	5,227,139	2,676,854	1,727,523	1,418,520	1,426,448	1,551,627	2,942,515	4,979,878	7,612,268
3 Monthly Billed Margin	\$ 57,684,575	\$ 55,379,259	\$ 49,696,870	\$ 45,057,089	\$ 34,187,184	\$ 26,681,369	\$ 23,860,873	\$ 23,808,496	\$ 24,717,381	\$ 33,367,919	\$ 42,814,374	\$ 52,444,684
4 Margin Per Cust	\$ 129.59	\$ 124.09	\$ 111.18	\$ 100.33	\$ 76.07	\$ 59.38	\$ 53.13	\$ 53.00	\$ 54.98	\$ 74.15	\$ 94.92	\$ 115.96
= Sum of Line 1											12 M Total Cust #	5,387,430
= Sum of Line 2, as shown on Appendix 4, Schedule 4.3, Total Proposed SC1B&BR Billed Sales											12 M Billed Sales (Dth)	54,300,988
= Appendix 4, Schedule 4.3, Total Proposed SC1B&BR Billed Delivery Revenue + Consolidated Billing Charge (Line 1 * \$1.76)											12 M Rev \$	469,700,074
= Average of Line 1											12 M Avg Cust #	448,953
= Sum of Line 4											RDM RY MPC \$	1,046.79

**KeySpan Gas East Corporation d/b/a National Grid
Revenue Decoupling Mechanism Annual Revenue Targets**

	SC2-1	SC2-2	SC2 Total	SC3
Rate Year 1 (Year Ending December 31, 2017)				
1 Total Base Delivery Revenue	\$ 41,913,282	\$ 116,078,950	\$ 157,992,232	\$ 16,824,611
2 Consolidated Billing Charge Revenue	\$ 147,918	\$ 568,056	\$ 715,973	\$ 21,525
3 Total Delivery Revenue Target for RDM	\$ 42,061,200	\$ 116,647,006	\$ 158,708,205	\$ 16,846,136
4 Target # of Customers (avg open and active meters)	12,085	46,410	58,495	1,759
5 Average Annual dth Usage for the Class	70	38		251
6 Marginal Delivery Cost - \$ per dth	\$ 1.84	\$ 1.84		\$ 1.84
7 Marginal Delivery Cost per Customer per Year	\$ 1,156.86	\$ 1,156.86		\$ 3,716.44
Rate Year 2 (Year Ending December 31, 2018)				
8 Total Base Delivery Revenue	\$ 45,625,739	\$ 126,357,308	\$ 171,983,047	\$ 18,314,987
9 Consolidated Billing Charge Revenue	\$ 202,543	\$ 777,835	\$ 980,378	\$ 30,185
10 Total Delivery Revenue Target for RDM	\$ 45,828,282	\$ 127,135,143	\$ 172,963,425	\$ 18,345,172
11 Target # of Customers (avg open and active meters)	12,143	46,633	58,776	1,810
12 Average Annual dth Usage for the Class	71	38		251
13 Marginal Delivery Cost - \$ per dth	\$ 1.84	\$ 1.84		\$ 1.84
14 Marginal Delivery Cost per Customer per Year	\$ 1,156.86	\$ 1,156.86		\$ 3,716.44
Rate Year 3 (Year Ending December 31, 2019)				
15 Total Base Delivery Revenue	\$ 49,769,499	\$ 137,829,248	\$ 187,598,747	\$ 19,976,746
16 Consolidated Billing Charge Revenue	\$ 257,684	\$ 989,596	\$ 1,247,280	\$ 39,296
17 Total Delivery Revenue Target for RDM	\$ 50,027,183	\$ 138,818,844	\$ 188,846,027	\$ 20,016,042
18 Target # of Customers (avg open and active meters)	12,201	46,856	59,057	1,861
19 Average Annual dth Usage for the Class	71	38		252
20 Marginal Delivery Cost - \$ per dth	\$ 1.84	\$ 1.84		\$ 1.84
21 Marginal Delivery Cost per Customer per Year	\$ 1,156.86	\$ 1,156.86		\$ 3,716.44

1 Per Appendix 4, Schedule 4.1, Page 4 (Proposed Billed Delivery Rev)
2 Total # of customers * \$1.02
3 Sum Lines 1 + 2
4 Per Appendix 4, Schedule 4.1, Page 4 (Average Customers)
5 Total customers / Total usage for the class
6 \$/dth as shown in Marginal Cost study as filed in January 29, 2016
7 \$/customer as shown in Marginal Cost study as filed in January 29, 2016
8 Per Appendix 4, Schedule 4.2, Page 4 (Proposed Billed Delivery Rev)
9 Total # of customers * \$1.39
10 Sum Lines 8+9
11 Per Appendix 4, Schedule 4.2, Page 4 (Average Customers)

12 Total customers / Total usage for the class
13 \$/dth as shown in Marginal Cost study as filed in January 29, 2016
14 \$/customer as shown in Marginal Cost study as filed in January 29, 2016
15 Per Appendix 4, Schedule 4.3, Page 4 (Proposed Billed Delivery Rev)
16 Total # of customers * \$1.76
17 Sum Lines 15+16
18 Per Appendix 4, Schedule 4.3, Page 4 (Average Customers)
19 Total customers / Total usage for the class
20 \$/dth as shown in Marginal Cost study as filed in January 29, 2016
21 \$/customer as shown in Marginal Cost study as filed in January 29, 2016

KeySpan Gas East Corporation d/b/a National Grid
Revenue Target - SC 2-A Non Residential Non Heat
For Rate Year Ending December 31, 2020 (Based on Rate Year Ending December 31,2019 Rates)

Proposed Rates												
	Revenue Target Development Proposal RATE YEAR											
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Block 1*	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200	\$ 39,4200
Block 2	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282	\$ 1,7282
Block 3	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553	\$ 0,3553
Block 4	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132	\$ 0,2132
<i>* includes consolidated billing charge</i>												
Sales Block Distribution	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Minimum Charge	0.5086%	0.5240%	0.6049%	0.6258%	0.7580%	0.7877%	0.8295%	0.7788%	0.7901%	0.7452%	0.6705%	0.5816%
Block 2	11.3000%	11.6720%	13.1540%	13.6392%	15.3849%	15.5907%	16.5135%	15.2199%	15.0586%	14.3811%	13.5931%	12.5395%
Block 3	60.9631%	60.4211%	58.8876%	68.1421%	70.0977%	68.9941%	66.9461%	62.6716%	50.3495%	70.2605%	73.0603%	67.6816%
Block 4	27.2283%	27.3829%	27.3536%	17.5928%	13.7594%	14.6276%	15.7110%	21.3296%	33.8018%	14.6132%	12.6760%	19.1973%
Transport Block Distribution	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Minimum Charge	0.2032%	0.2062%	0.2168%	0.2220%	0.2386%	0.2424%	0.2468%	0.2408%	0.2456%	0.2359%	0.2263%	0.2129%
Block 2	5.4111%	5.4628%	5.6758%	5.8470%	6.2280%	6.2847%	6.3175%	6.1229%	6.3881%	5.9995%	5.8232%	5.5192%
Block 3	59.2884%	59.4885%	49.2147%	56.3436%	61.3636%	63.0515%	58.1388%	49.7717%	61.2303%	55.8258%	54.4767%	51.6457%
Block 4	35.0973%	34.8525%	44.8926%	37.5873%	32.1698%	30.4414%	35.2968%	43.8647%	32.1360%	38.2389%	39.4738%	42.6223%
Rate Case Forecast	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Rate 2-A												
# Meters	7,430	7,491	7,549	7,570	7,545	7,497	7,455	7,403	7,379	7,362	7,366	7,425
Billed Sales (Dth)	375,378	368,394	324,409	318,588	257,952	237,727	226,016	224,600	223,704	241,730	277,167	327,798
Billed Sales (Th)	3,753,782	3,683,935	3,244,092	3,185,877	2,579,517	2,377,267	2,260,162	2,245,998	2,237,044	2,417,301	2,771,674	3,277,980
	2.57	2.58	2.60	2.63	2.59	2.50	2.51	2.36	2.40	2.45	2.52	2.87
	57.09	57.40	56.53	57.40	52.60	49.43	50.06	46.17	45.65	47.22	51.15	55.36
Minimum Volume	19,093	19,303	19,623	19,939	19,553	18,725	18,747	17,493	17,676	18,013	18,585	19,064
Block 2 Volume	424,177	429,988	426,726	434,529	396,856	370,631	373,232	341,839	336,867	347,535	376,757	411,043
Block 3 Volume	2,288,421	2,225,875	1,910,367	2,170,924	1,808,181	1,640,174	1,513,090	1,407,603	1,126,340	1,698,408	2,024,994	2,218,588
Block 4 Volume	1,022,090	1,008,770	887,376	560,485	354,927	347,737	355,093	479,063	756,162	353,245	351,338	629,285
Block 1 Margin	292,872	295,312	297,589	298,402	297,407	295,547	293,880	291,843	290,874	290,205	290,364	292,695
Block 2 Margin	733,063	743,104	737,469	750,954	685,846	640,525	645,019	590,767	582,173	600,783	651,112	710,364
Block 3 Margin	813,076	790,853	678,753	771,329	642,447	582,754	537,601	500,121	400,188	603,444	719,480	788,264
Block 4 Margin	217,910	215,070	189,189	119,495	75,670	74,137	75,706	102,136	161,214	75,312	74,905	134,164
Billed Margin	\$ 2,056,920	\$ 2,044,339	\$ 1,903,000	\$ 1,940,181	\$ 1,701,370	\$ 1,592,964	\$ 1,552,206	\$ 1,484,867	\$ 1,434,449	\$ 1,569,745	\$ 1,735,862	\$ 1,925,487
Rate T2-A	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
# Meters	4,728	4,767	4,804	4,817	4,801	4,771	4,744	4,711	4,696	4,685	4,688	4,725
Billed Sales (Dth)	653,994	651,424	619,017	615,346	565,672	547,265	541,460	537,828	535,921	549,621	578,355	621,980
Billed Sales (Th)	6,539,943	6,514,240	6,190,170	6,153,459	5,656,717	5,472,647	5,414,599	5,378,275	5,359,214	5,496,208	5,783,546	6,219,804
Minimum Volume	13,291	13,429	13,421	13,663	13,497	13,268	13,366	12,949	13,164	12,963	13,090	13,240
Block 2 Volume	353,884	355,209	351,344	359,791	352,298	342,842	342,068	329,304	342,351	329,743	336,786	343,281
Block 3 Volume	3,877,427	3,875,226	3,046,474	3,467,083	3,471,165	3,450,587	3,147,985	2,676,857	3,281,461	3,051,813	3,150,687	3,212,261
Block 4 Volume	2,295,341	2,270,375	2,778,930	2,312,922	1,819,756	1,665,949	1,911,181	2,359,166	1,722,238	2,101,689	2,282,993	2,651,021
Block 1 Margin	186,382	187,934	189,384	189,901	189,268	188,084	187,023	185,727	185,110	184,685	184,786	186,269
Block 2 Margin	611,583	613,873	607,193	621,791	608,842	592,500	591,161	569,104	591,651	569,862	582,033	593,259
Block 3 Margin	1,377,650	1,376,868	1,082,412	1,231,855	1,233,305	1,225,994	1,118,479	951,087	1,165,903	1,084,309	1,119,439	1,141,316
Block 4 Margin	489,367	484,044	592,468	493,115	387,972	355,180	407,464	502,974	367,181	448,080	486,732	565,198
Billed Margin	\$ 2,664,981	\$ 2,662,719	\$ 2,471,457	\$ 2,536,662	\$ 2,419,386	\$ 2,361,758	\$ 2,304,127	\$ 2,208,892	\$ 2,309,846	\$ 2,286,936	\$ 2,372,990	\$ 2,486,042
Total SC 2-A Billed Margin	\$ 4,721,901	\$ 4,707,058	\$ 4,374,457	\$ 4,476,842	\$ 4,120,757	\$ 3,954,722	\$ 3,856,333	\$ 3,693,759	\$ 3,744,295	\$ 3,856,680	\$ 4,108,852	\$ 4,411,528
12 Months Total												\$ 50,027,183

KeySpan Gas East Corporation d/b/a National Grid
Revenue Target - SC 2-B Non Residential Heat
For Rate Year Ending December 31, 2020 (Based on Rate Year Ending December 31,2019 Rates)

Proposed Rates												
Revenue Target Development Proposal RATE YEAR												
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Block 1*	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200	\$ 39.4200
Block 2	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716	\$ 1.7716
Block 3	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370	\$ 0.4370
Block 4	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.2914
* includes consolidated billing charge												
Sales Block Distribution												
Minimum Charge	0.4641%	0.4968%	0.7126%	0.7561%	1.7089%	2.3321%	3.1680%	2.7841%	2.7388%	1.4280%	0.9715%	0.6298%
Block 2	11.6847%	12.7849%	17.0906%	16.8100%	24.7029%	26.5045%	28.9680%	22.2307%	22.2675%	15.5781%	14.7776%	14.1981%
Block 3	58.2579%	62.2285%	62.0671%	59.5176%	58.0852%	67.4211%	60.8883%	49.6662%	45.4672%	44.0410%	44.5563%	57.5959%
Block 4	29.5933%	24.4898%	20.1298%	22.9163%	15.5030%	3.7423%	6.9757%	25.3189%	29.5265%	38.9528%	39.6947%	27.5762%
Transport Block Distribution												
Minimum Charge	0.2080%	0.2216%	0.3147%	0.3352%	0.7651%	1.0879%	1.2853%	1.1625%	1.1705%	0.7186%	0.4343%	0.2810%
Block 2	5.6116%	6.0421%	8.2584%	8.1901%	14.5746%	16.6786%	15.5062%	15.4304%	15.3774%	10.9332%	8.5240%	7.0358%
Block 3	52.6883%	55.4669%	56.6816%	50.0856%	64.4540%	77.4780%	56.2352%	68.7852%	73.3246%	54.6637%	55.6366%	54.2521%
Block 4	41.4921%	38.2694%	34.7452%	41.3891%	20.2063%	4.7554%	26.9734%	14.6219%	10.1276%	33.6844%	35.4051%	38.4311%
Rate Case Forecast												
Rate 2-B												
# Meters	31,602	31,865	32,111	32,199	32,091	31,891	31,711	31,491	31,386	31,314	31,331	31,583
Billed Sales (Dth)	1,953,978	1,848,738	1,295,741	1,218,022	492,276	263,852	155,637	156,354	154,045	375,138	797,038	1,381,615
Billed Sales (Th)	19,539,778	18,487,382	12,957,410	12,180,224	4,922,758	2,638,521	1,556,366	1,563,536	1,540,446	3,751,379	7,970,382	13,816,151
	2.87	2.88	2.88	2.86	2.62	1.93	1.55	1.38	1.34	1.71	2.47	2.76
	72.25	74.18	68.96	63.59	37.89	21.93	14.22	11.04	10.93	18.66	37.59	62.11
Minimum Volume	90,682	91,846	92,329	92,092	84,126	61,533	49,306	43,531	42,189	53,571	77,430	87,019
Block 2 Volume	2,283,173	2,363,600	2,214,493	2,047,497	1,216,063	699,328	450,849	347,586	343,019	584,395	1,177,829	1,961,628
Block 3 Volume	11,383,460	11,504,422	8,042,283	7,249,375	2,859,394	1,778,920	947,644	776,549	700,397	1,652,144	3,551,305	7,957,542
Block 4 Volume	5,782,463	4,527,514	2,608,305	2,791,260	763,175	98,740	108,567	395,871	454,840	1,461,268	3,163,818	3,809,963
Block 1 Margin	1,245,744	1,256,122	1,265,811	1,269,269	1,265,035	1,257,124	1,250,033	1,241,368	1,237,247	1,234,403	1,235,079	1,244,991
Block 2 Margin	4,044,869	4,187,353	3,923,195	3,627,345	2,154,378	1,238,930	798,724	615,783	607,693	1,035,314	2,086,642	3,475,220
Block 3 Margin	4,974,572	5,027,433	3,514,478	3,167,977	1,249,555	777,388	414,120	339,352	306,074	721,987	1,551,920	3,477,446
Block 4 Margin	1,685,010	1,319,318	760,060	813,373	222,389	28,773	31,637	115,357	132,540	425,814	921,937	1,110,223
Billed Margin	\$ 11,950,195	\$ 11,790,226	\$ 9,463,544	\$ 8,877,964	\$ 4,891,356	\$ 3,302,215	\$ 2,494,513	\$ 2,311,859	\$ 2,283,553	\$ 3,417,518	\$ 5,795,577	\$ 9,307,880
Rate T2-B												
# Meters	15,088	15,213	15,331	15,372	15,321	15,225	15,140	15,035	14,985	14,950	14,958	15,078
Billed Sales (Dth)	2,124,679	2,012,197	1,420,014	1,336,842	559,242	314,332	215,418	215,842	213,215	449,147	899,606	1,524,106
Billed Sales (Th)	21,246,786	20,121,967	14,200,144	13,368,415	5,592,420	3,143,323	2,154,180	2,158,422	2,132,146	4,491,475	8,996,059	15,241,060
Minimum Volume	44,193	44,580	44,695	44,810	42,786	34,197	27,687	25,091	24,956	32,276	39,067	42,833
Block 2 Volume	1,192,288	1,215,796	1,172,705	1,094,889	815,075	524,262	334,031	333,054	327,868	491,064	766,828	1,072,327
Block 3 Volume	11,194,563	11,161,038	8,048,874	6,695,652	3,604,537	2,435,384	1,211,407	1,484,674	1,563,386	2,455,207	5,005,099	8,268,599
Block 4 Volume	8,815,742	7,700,552	4,933,871	5,533,065	1,130,022	149,479	581,055	315,602	215,936	1,512,928	3,185,065	5,857,302
Block 1 Margin	594,752	599,707	604,332	605,983	603,962	600,185	596,800	592,663	590,695	589,337	589,660	594,392
Block 2 Margin	2,112,257	2,153,905	2,077,564	1,939,705	1,443,986	928,783	591,769	590,038	580,851	869,968	1,358,512	1,899,734
Block 3 Margin	4,892,024	4,877,374	3,517,358	2,926,000	1,575,183	1,064,263	529,385	648,803	683,200	1,072,925	2,187,228	3,613,378
Block 4 Margin	2,568,907	2,243,941	1,437,730	1,612,335	329,288	43,558	169,319	91,966	62,924	440,867	928,128	1,706,818
Billed Margin	\$ 10,167,940	\$ 9,874,926	\$ 7,636,984	\$ 7,084,023	\$ 3,952,419	\$ 2,636,789	\$ 1,887,273	\$ 1,923,470	\$ 1,917,670	\$ 2,973,098	\$ 5,063,528	\$ 7,814,321
Total SC 2-B Billed Margin	\$ 22,118,135	\$ 21,665,152	\$ 17,100,528	\$ 15,961,987	\$ 8,843,776	\$ 5,939,004	\$ 4,381,787	\$ 4,235,329	\$ 4,201,223	\$ 6,390,616	\$ 10,859,106	\$ 17,122,202
12 Months Total												\$ 138,818,844

KeySpan Gas East Corporation d/b/a National Grid
Revenue Target - SC 3 Multiple Dwelling Service
For Rate Year Ending December 31, 2020 (Based on Rate Year Ending December 31,2019 Rates)

Proposed Rates												
Revenue Target Development Proposal RATE YEAR												
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Block 1*	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200	\$ 76.4200
Block 2	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855	\$ 0.4855
Block 3	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685	\$ 0.2685
<i>* includes consolidated billing charge</i>												
Sales Block Distribution												
Minimum Charge	0.0840%	0.0898%	0.1216%	0.1280%	0.2414%	0.3316%	0.4058%	0.4018%	0.4051%	0.2764%	0.1738%	0.1130%
Block 2	22.3583%	23.9110%	31.6336%	31.4482%	46.3339%	53.2783%	41.2689%	54.2896%	61.6846%	39.6453%	38.8441%	28.4892%
Block 3	77.5577%	75.9992%	68.2448%	68.4238%	53.4247%	46.3900%	58.3254%	45.3086%	37.9102%	60.0783%	60.9821%	71.3978%
Transport Block Distribution												
Minimum Charge	0.0512%	0.0535%	0.0727%	0.0765%	0.1424%	0.1973%	0.2353%	0.2313%	0.2353%	0.1660%	0.1042%	0.0684%
Block 2	15.3182%	15.7388%	20.2509%	21.1931%	32.2556%	45.1559%	47.6006%	41.7133%	40.7964%	35.0534%	26.2861%	18.8718%
Block 3	84.6306%	84.2076%	79.6765%	78.7304%	67.6020%	54.6468%	52.1641%	58.0554%	58.9684%	64.7806%	73.6097%	81.0598%
Rate Case Forecast												
Rate SC 3												
# Meters	675	675	675	674	674	674	674	673	673	673	673	672
Billed Sales (Dth)	237,361	224,736	166,253	157,659	83,322	59,965	48,318	48,432	48,245	71,386	115,429	175,068
Billed Sales (Th)	2,373,614	2,247,364	1,662,533	1,576,587	833,222	599,646	483,180	484,318	482,452	713,864	1,154,293	1,750,680
	2.96	2.99	2.99	2.99	2.98	2.95	2.91	2.89	2.90	2.93	2.98	2.94
	786.22	796.10	779.14	735.62	572.80	474.01	295.85	390.69	442.20	420.53	666.23	742.19
Minimum Volume	1,995	2,018	2,022	2,018	2,011	1,989	1,961	1,946	1,955	1,973	2,006	1,978
Block 2 Volume	530,700	537,367	525,920	495,808	386,064	319,482	199,403	262,935	297,599	283,014	448,375	498,755
Block 3 Volume	1,840,919	1,707,979	1,134,592	1,078,761	445,147	278,176	281,816	219,438	182,899	428,877	703,912	1,249,947
Block 1 Margin	51,584	51,584	51,584	51,507	51,507	51,507	51,507	51,431	51,431	51,431	51,431	51,354
Block 2 Margin	257,655	260,892	255,334	240,715	187,434	155,108	96,810	127,655	144,484	137,403	217,686	242,146
Block 3 Margin	494,287	458,592	304,638	289,647	119,522	74,690	75,668	58,919	49,108	115,154	189,000	335,611
Billed Margin	\$ 803,525	\$ 771,068	\$ 611,555	\$ 581,869	\$ 358,463	\$ 281,306	\$ 223,985	\$ 238,004	\$ 245,023	\$ 303,987	\$ 458,117	\$ 629,111
Rate SC 3T												
# Meters	1,162	1,165	1,169	1,173	1,179	1,183	1,189	1,195	1,200	1,205	1,209	1,213
Billed Sales (Dth)	675,257	641,251	477,072	454,889	243,411	176,895	145,502	146,783	146,865	214,710	343,822	520,212
Billed Sales (Th)	6,752,573	6,412,508	4,770,715	4,548,886	2,434,106	1,768,945	1,455,019	1,467,827	1,468,646	2,147,096	3,438,216	5,202,124
Minimum Volume	3,455	3,433	3,467	3,480	3,467	3,491	3,423	3,395	3,455	3,564	3,583	3,559
Block 2 Volume	1,034,374	1,009,252	966,111	964,049	785,136	798,783	692,598	612,279	599,154	752,630	903,772	981,732
Block 3 Volume	5,714,744	5,399,822	3,801,137	3,581,357	1,645,504	966,671	758,998	852,152	866,036	1,390,901	2,530,861	4,216,832
Block 1 Margin	88,800	89,029	89,335	89,641	90,099	90,405	90,863	91,322	91,704	92,086	92,392	92,697
Block 2 Margin	502,189	489,992	469,047	468,046	381,183	387,809	336,256	297,261	290,889	365,402	438,782	476,631
Block 3 Margin	1,534,409	1,449,852	1,020,605	961,594	441,818	259,551	203,791	228,803	232,531	373,457	679,536	1,132,219
Billed Margin	\$ 2,125,397	\$ 2,028,873	\$ 1,578,987	\$ 1,519,281	\$ 913,100	\$ 737,765	\$ 630,911	\$ 617,386	\$ 615,124	\$ 830,945	\$ 1,210,709	\$ 1,701,548
Total SC 3 Billed Margin	\$ 2,928,922	\$ 2,799,941	\$ 2,190,543	\$ 2,101,150	\$ 1,271,564	\$ 1,019,071	\$ 854,896	\$ 855,391	\$ 860,147	\$ 1,134,933	\$ 1,668,827	\$ 2,330,659
12 Months Total												\$ 20,016,042

**KeySpan Gas East Corporation d/b/a National Grid
Revenue Decoupling Mechanism (Illustrative)
For Rate Year Ending December 31, 2017**

Lines	SC2A	SC2B	SC2 Total	SC3
1 Total Base Delivery Revenue	\$ 41,913,282	\$ 116,078,950		\$ 16,824,611
2 Consolidated Billing Charge Revenue	\$ 147,918	\$ 568,056		\$ 21,525
3 Total Delivery Revenue Target for RDM	\$ 42,061,200	\$ 116,647,006		\$ 16,846,136
4 Actual Base Delivery Revenue (Illustrative)	\$ 47,500,000	\$ 132,500,000		\$ 20,000,000
5 Less: Revenue for TC customers that migrate to firm service (Illustrative)	\$ (50,000)	\$ -		\$ -
6 Weather Normalization Adjustment (Illustrative)	\$ (100,000)	\$ (500,000)		\$ (250,000)
7 Total Delivery Revenue Including Weather Normalization	\$ 47,350,000	\$ 132,000,000		\$ 19,750,000
8 Target # of Customers (avg open and active meters)	12,085	46,410		1,759
9 Actual # of Customers (avg open and active meters)	11,750	45,250		1,759
10 # of Customers Over/(Under) Target	(335)	(1,160)		-
11 Less: Customer migration between SC2A and SC2B	(10)	10		-
12 # of Customers Over/(Under) Target (excluding SC2 migration)	(325)	(1,170)		-
13 Average Annual dth Usage for the Class	71	38		251
14 Marginal Delivery Cost - \$ per dth	\$ 1.84	\$ 1.84		\$ 1.84
15 Marginal Delivery Cost per Customer per Year	\$ 1,156.86	\$ 1,156.86		\$ 3,716.44
16 Total Revenue adjustment per customer	\$ 1,287.50	\$ 1,226.78		\$ 4,178.28
17 Adjustment to Actual Revenue due to # of customers	\$ -	\$ -		\$ -
18 Adjusted Revenue Collection Difference	\$ (5,288,800)	\$ (15,352,994)	\$ (20,641,795)	\$ (2,903,864)
19 Forecast therms			324,000,000	54,600,000
20 Illustrative RDM \$/Therm Rate for Reconciliation period			\$ (0.06371)	\$ (0.05318)

- 1 Appendix 4, Schedule 8, page 1
- 2 Appendix 4, Schedule 8, page 2
- 3 Line 1 + Line 2
- 4 Actual delivery revenue in RY (excluding low income discount recovery)
- 5 Revenue for Temperature Control customers that migrate to firm service
- 6 Weather Normalization Adjustment billed in RY
- 7 Line 4 + Line 5 + Line 6
- 8 Appendix 4, Schedule 8, page 1
- 9 Actual customers based on open and active meters (illustrative)
- 10 Line 9 - Line 8
- 11 Assumes # of SC2-1 customers decreases by 10 and # of SC2-2 customers increases by 10
- 12 Line 10 - Line 11
- 13 Appendix 4, Schedule 8, page 1
- 14 Appendix 4, Schedule 8, page 1
- 15 Appendix 4, Schedule 8, page 1
- 16 (Line 13 * Line 14) + Line 15
- 17 If Line 12 > 0, Line 12 * Line 16
- 18 Line 4 - Line 7 - Line 17
- 19 Forecast therms for reconciliation year (illustrative)
- 20 Line 18 / Line 19

KeySpan Gas East Corporation d/b/a National Grid
Illustrative Example

	Jan-2017	Feb-2017	Mar-2017	Apr-2017	May-2017	Jun-2017	Jul-2017	Aug-2017	Sep-2017	Oct-2017	Nov-2017	Dec-2017	TOTAL
(1) TC/IT Revenue Target													\$ 2,029,000
<u>Reflection of TC/IT customer migration to firm</u>													
Customer A - SC-2													
(2) Actual Firm Revenue		\$ 2,200	\$ 2,200	\$ 2,500	\$ 2,300	\$ 2,200	\$ 2,500	\$ 2,900	\$ 3,100	\$ 3,000	\$ 1,000	\$ 3,300	\$ 25,000
(3) Forecast IT/TC Revenue		\$ 1,650	\$ 1,650	\$ 1,875	\$ 1,725	\$ 1,650	\$ 1,875	\$ 2,175	\$ 2,325	\$ 2,250	\$ 750	\$ 2,475	\$ 18,750
Customer B - SC-2													
(4) Actual Firm Revenue									\$ 10,500	\$ 10,500	\$ 9,500	\$ 10,000	\$ 40,500
(5) Forecast IT/TC Revenue									\$ 7,875	\$ 7,875	\$ 7,125	\$ 7,500	\$ 30,375
Customer C - SC-3													
(6) Actual Firm Revenue											\$ 30,000	\$ 30,000	\$ 30,000
(7) Forecast IT/TC Revenue											\$ 22,500	\$ 22,500	\$ 22,500
(8) Adjusted TC/IT Annual Revenue Target													\$ 1,957,375
(9) Amount to be excluded from SC-2 RDM target													\$ 65,500
(10) Amount to be excluded from SC-3 RDM target													\$ 30,000

- (1) Per JP Section 6.1.7
- (2) Firm revenue billed Customer A
- (3) Customer A's forecast TC/IT revenue = historic 2015 usage x RY1 rates
- (4) Firm revenue billed Customer B
- (5) Customer B's forecast TC/IT revenue = historic 2015 usage x RY1 rates
- (6) Firm revenue billed Customer C
- (7) Customer C's forecast TC/IT revenue = historic 2015 usage x RY1 rates
- (8) Line (1) minus line (3) minus line (5) minus line (7)
- (9) Line (2) plus line (4)
- (10) Line (6)

The Brooklyn Union Gas Company d/b/a National Grid NY ("KEDNY")
and
KeySpan Gas East Corporation d/b/a National Grid ("KEDLI") Combined
Allocated Gas Fixed Costs to Firm and TC Sales Service Classes
Illustrative Example - Rate Year 1

	Peak Day		Winter		Annual		Allocated Total		Proposed Unit Rate (\$/dth) %	Average %	
	% Total	Fixed Costs	% Allocator	Fixed Costs	% Allocator	Fixed Costs	Fixed Costs	Annual Deliveries (dth)			
Allocated KEDNY & KEDLI Portfolio Demand Costs	\$	426,504,510	\$	52,443,039	\$	33,012,283	\$	511,959,831			
Firm	98.42%	\$ 419,775,679	89.25%	\$ 46,804,699	88.16%	\$ 29,102,063	\$	495,682,441	\$ 2.16	110%	
High Load Factor	0.78%	\$ 3,339,279	1.70%	\$ 891,095	2.67%	\$ 880,231	\$	5,110,605	\$ 6,926,187	0.74	37%
Whole Sale NGV	0.16%	\$ 702,541	0.36%	\$ 187,952	0.62%	\$ 203,830	\$	1,094,323	\$ 1,603,855	0.68	35%
Yr-Round Space Conditioning	0.56%	\$ 2,391,076	0.79%	\$ 413,970	1.08%	\$ 356,190	\$	3,161,235	\$ 2,802,717	1.13	57%
TC	0.07%	\$ 294,117	7.90%	\$ 4,144,481	7.48%	\$ 2,468,601	\$	6,907,199	\$ 19,424,438	0.36	18%
Off-Peak	0.00%	\$ 1,819	0.00%	\$ 841	0.00%	\$ 1,368	\$	4,027	\$ 10,761	0.37	19%
Grand Total	100.00%	\$ 426,504,510	100.00%	\$ 52,443,039	100.00%	\$ 33,012,283	\$	511,959,831	\$ 259,760,493	\$ 1.97	

*This schedule represents an example of the methodology that will be used to allocate fixed gas costs based on forecasted fixed costs for RY1- the actual allocation % and \$/dth rate will be updated each GAC year to reflect the sales forecast and forecasted gas fixed costs

KeySpan Gas East Corporation d/b/a National Grid
Low Income Rate Year 1

KEDLI

Usage Assumption: 118 therms

Residential Heating
Proposed Rates

WINTER					
Proposed	Monthly	Proposed	Monthly	Savings	
Full	Bill	Discount	Bill	per month	
\$ 21.66	\$ 21.66	\$ 5.00	\$ 5.00		
\$ 1.0680	\$ 50.20	\$ 0.4500	\$ 21.15		
\$ 0.2444	\$ 16.62	\$ 0.2444	\$ 16.62		
	\$ 88.48		\$ 42.77	\$	45.71

SUMMER					
Proposed	Monthly	Proposed	Monthly	Savings	
Full	Bill	Discount	Bill	per month	
\$ 21.66	\$ 21.66	\$ 5.00	\$ 5.00		
\$ 1.0680	\$ 50.20	\$ 0.6500	\$ 30.55		
\$ 0.2444	\$ 16.62	\$ 0.2444	\$ 16.62		
	\$ 88.48		\$ 52.17	\$ 36.31	\$ 41.00

<u>Residential Heating</u>	Number of Customers	Tiered Discounts	Each RY 2 and RY 3
			<u>Budget</u>
Proposed Discount	10,700	\$ 41.00	\$ 5,264,400
		\$ 57.00	\$ -
		\$ 74.00	\$ -
	10,700		\$ 5,264,400
Residential Non-Heating	1,189	\$ 8.81	\$ 125,701
Total Budget assuming Proposed Low Income Order			\$ 5,390,101

KeySpan Gas East Corporation d/b/a National Grid
Low Income Rate Years 2 and 3

Rate Years 2 and 3

	<u>Number of</u> <u>Customers</u>	<u>Tiered</u> <u>Discounts</u>	<u>RY 1 Budget</u>
<u>Residential Heating</u>			
Proposed Discount	6,540	\$ 41.00	\$ 3,217,680
	2,800	\$ 57.00	\$ 1,915,200.00
	1,650	\$ 74.00	\$ 1,465,200.00
	<u>10,990</u>		\$ 6,598,080
Residential Non-Heating	1,189	\$ 8.81	\$ 125,701
Total Budget assuming Proposed Low Income Order			\$ 6,723,781

APPENDIX 5

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Earnings Review - Individual Years for Earnings Sharing
(Millions Dollars)

Individual Years	Three Year Gas Settlement			Stay-Out Period
	Year 1 TME Dec 31, 2017	Year 2 TME Dec 31, 2018	Year 3 TME Dec 31, 2019	Year 4 Jan 1 - Jun 30,2020 (Assumes new rates Eff Jul 1, 2020)
1 Rate Base	\$ 2,945.0	\$ 3,294.7	\$ 3,718.7	\$ 4,088.9
2				
3 Common Equity (Rate base * The imputed common equity ratio of 48%)	\$ 1,413.6	\$ 1,581.4	\$ 1,785.0	\$ 1,962.7
4				
5 ROE's filed in Earnings Reports to the PSC for each resp. year	7.00%	9.80%	10.50%	6.21%
6 Subsequent minor revisions (see latest Earnings filing)	0.00%	0.00%	0.00%	0.00%
7 Actual ROE used in this filing	7.00%	9.80%	10.50%	6.21%
8				
9 Actual (calculated) Net Income for CE	\$ 99.0	\$ 155.0	\$ 187.4	\$ 121.8
10				
11 ROE Sharing threshold (per JP - IV. Section 4.4)	9.50%	9.50%	9.50%	9.50%
12				
13				
14				
15 <u>Earnings Sharing Calculation:</u>				
16				
17				
18				
19				
20				
				Stay-Out - Period
	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>
21 Actual Net Income	\$ 99.0	\$ 155.0	\$ 184.9	\$ 110.0
22 Adjustment to exclude amounts previously in excess of Earnings threshold	\$ -	\$ -	\$ 2.5	\$ 11.9
23 Adjusted Net Income	\$ 99.0	\$ 155.0	\$ 187.4	\$ 121.8
24 Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Period				\$ 1,962.7
25 Operating Revenues Ratio (Jan-Jun)				56.42%
26 Common equity (after exclusion of Goodwill) at a 48% equity ratio	\$ 1,413.6	\$ 1,581.4	\$ 1,785.0	\$ 1,107.4
27 Actual ROE (Net Income / Equity)	7.00%	9.80%	10.50%	11.00%
28 ROE Threshold (weighted avg)	9.50%	9.50%	9.50%	9.50%
29 Difference	-2.50%	0.30%	1.00%	1.50%
30 Actual Common Equity	\$ 1,413.6	\$ 1,581.4	\$ 1,785.0	\$ 1,107.4
31 After-tax Earnings Between Threshold and 10.0%	\$ -	\$ 4.8	\$ 8.9	\$ 5.5
32 After-tax Earnings Between 10.0% and 10.5%	\$ -	\$ -	\$ 8.9	\$ 5.5
33 After-tax Earnings Over 10.5%	\$ -	\$ -	\$ -	\$ 5.5
34 Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers	\$ -	\$ 2.4	\$ 4.5	\$ 2.8
35 Deferral of 75% of amount Between 10.0% and 10.5%, for benefit of Customers	\$ -	\$ -	\$ 6.7	\$ 4.2
36 Deferral of 90% of amount Over 10.5%	\$ -	\$ -	\$ -	\$ 5.0
37 Total Deferral for benefit of Customers (after-tax \$)	\$ -	\$ 2.4	\$ 11.1	\$ 11.9
38 Combined Federal & State Income Tax Rate	40.41%	40.41%	40.41%	40.41%
39 Total Deferral grossed up for income taxes (pre-tax \$)	\$ -	\$ 4.0	\$ 18.7	\$ 20.0
40 Carrying costs	\$ -	\$ 0.11	\$ 0.73	\$ 1.81
41 Total Deferral Including Carrying Costs	\$ -	\$ 4.10	\$ 19.43	\$ 21.81
42 Cumulative Deferral	\$ -	\$ 4.10	\$ 23.53	\$ 45.35

Line Notes

3 Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 4.4	27 Line 23 / Line 26
5 Original ROE's in annual Gas earnings filings for respective periods	28 weighted average of line 11
6 Impacts of ROE revisions shown in filing support (discovered after original filings)	29 line 27 - line 28
7 Actual ROE used in the earnings sharing calculation	30 Appropriate years line 3 (Line 24 * Line 25 for stub period)
9 Line 7 x Line 3 (ROE x CE)	31 Line 27 Between Cap and 10.5% * Line 30
11 JP - IV. Section 4.4	32 Line 27 Between 10.0% and 10.5% * Line 30
21 Appropriate years line 9	33 Line 27 Greater than 10.5% * Line 30
22 Adjustment to exclude amounts previously in excess of Earnings threshold (line 36)	34 Line 31 * 50%
23 Line 21 + Line 22	35 Line 32 * 75%
	36 Line 33 * 90%

KeySpan Gas East Corporation d/b/a National Grid
Gas Earnings Review - Individual Years for Earnings Sharing
(Millions Dollars)

Individual Years	Three Year Gas Settlement			Stay-Out Period
	Year 1 TME Dec 31, 2017	Year 2 TME Dec 31, 2018	Year 3 TME Dec 31, 2019	Year 4 Jan 1 - Jun 30, 2020 (Assumes new rates Eff Jul 1, 2020)
1 Rate Base	\$ 2,303.4	\$ 2,489.9	\$ 2,693.7	\$ 2,962.2
2				
3 Common Equity (Rate base * The imputed common equity ratio of 48%)	\$ 1,105.6	\$ 1,195.2	\$ 1,293.0	\$ 1,421.9
4				
5 ROE's filed in Earnings Reports to the PSC for each resp. year	7.00%	9.80%	10.50%	7.16%
6 Subsequent minor revisions (see latest Earnings filing)	0.00%	0.00%	0.00%	0.00%
7 Actual ROE used in this filing	7.00%	9.80%	10.50%	7.16%
8				
9 Actual (calculated) Net Income for CE	\$ 77.4	\$ 117.1	\$ 135.8	\$ 101.8
10				
11 ROE Sharing threshold (per JP - V. Section 4.4)	9.50%	9.50%	9.50%	9.50%
12				
13				
14				
15 <u>Earnings Sharing Calculation:</u>				
16				
17				
18				
19				
20				
21 Actual Net Income	\$ 77.4	\$ 117.1	\$ 133.9	\$ 93.1
22 Adjustment to exclude amounts previously in excess of Earnings threshold	\$ -	\$ -	\$ 1.9	\$ 8.7
23 Adjusted Net Income	\$ 77.4	\$ 117.1	\$ 135.8	\$ 101.8
24 Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Period				\$ 1,421.9
25 Operating Revenues Ratio (Jan-Jun)				65.07%
26 Common equity (after exclusion of Goodwill) at a 48% equity ratio	\$ 1,105.6	\$ 1,195.2	\$ 1,293.0	\$ 925.3
27 Actual ROE (Net Income / Equity)	7.00%	9.80%	10.50%	11.00%
28 ROE Threshold (weighted avg)	9.50%	9.50%	9.50%	9.50%
29 Difference	-2.50%	0.30%	1.00%	1.50%
30 Actual Common Equity	\$ 1,105.6	\$ 1,195.2	\$ 1,293.0	\$ 925.3
31 After-tax Earnings Between Threshold and 10.0%	\$ -	\$ 3.6	\$ 6.5	\$ 4.6
32 After-tax Earnings Between 10.0% and 10.5%	\$ -	\$ -	\$ 6.5	\$ 4.6
33 After-tax Earnings Over 10.5%	\$ -	\$ -	\$ 0.0	\$ 4.6
34 Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers	\$ -	\$ 1.8	\$ 3.2	\$ 2.3
35 Deferral of 75% of amount Between 10.0% and 10.5%, for benefit of Customers	\$ -	\$ -	\$ 4.8	\$ 3.5
36 Deferral of 90% of amount Over 10.5%	\$ -	\$ -	\$ 0.0	\$ 4.2
37 Total Deferral for benefit of Customers (after-tax \$)	\$ -	\$ 1.8	\$ 8.1	\$ 9.9
38 Combined Federal & State Income Tax Rate	40.41%	40.41%	40.41%	40.41%
39 Deferral grossed up for income taxes (pre-tax \$)	\$ -	\$ 3.0	\$ 13.6	\$ 16.7
40 Carrying costs	\$ -	\$ 0.08	\$ 0.55	\$ 1.42
41 Total Deferral Including Carrying Costs	\$ -	\$ 3.07	\$ 14.15	\$ 18.12
42 Cumulative Deferral	\$ -	\$ 3.07	\$ 17.22	\$ 35.34

Line Notes

3 Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 4.4	27	Line 23 / Line 26
5 Original ROE's in annual Gas earnings filings for respective periods	28	weighted average of line 11
6 Impacts of ROE revisions shown in filing support (discovered after original filings)	29	line 27 - line 28
7 Actual ROE used in the earnings sharing calculation	30	Appropriate years line 3 (Line 24 * Line 25 fo
9 Line 7 x Line 3 (ROE x CE)	31	Line 27 Between Cap and 10.5% * Line 30
11 JP - IV. Section 4.4	32	Line 27 Between 10.0% and 10.5% * Line 30
21 Appropriate years line 9	33	Line 27 Greater than 10.5% * Line 30
22 Adjustment to exclude amounts previously in excess of Earnings threshold (line 36)	34	Line 31 * 50%
23 Line 21 + Line 22	35	Line 32 * 75%
24 Common Equity Ratio for Stub Period	36	Line 33 * 90%
25 Operating Income Ratio for Stub Period (Jan-Jun)	37	Line 34 + Line 35 + Line 36
	38	Federal rate 35.0%, NYS 6.5% and MTA Sur

APPENDIX 6

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Rate Base Regulatory Assets & Liabilities
For the Rate Year Ending December 31, 2016
(\$000's)

<u>Activity</u>	<u>Description</u>	<u>Avg Bal HYE</u> <u>9/30/2015</u>	<u>Actual</u> <u>Balance at</u> <u>9/30/2015</u>	<u>Forecast</u> <u>Balance at</u> <u>12/31/2016</u>	<u>Mechanism</u> <u>On Going /</u> <u>Discontinued</u>	<u>Carrying Charges</u>
Regulatory Assets & Liabilities with Proposed Surcharge with No Interest EXCLUDED from Rate Base						
U1823253	Pension Exp Deferred	\$ 102,179	\$ 114,042	\$ 149,193	On Going	None
U1823254	OPEB Exp Deferred	(46,011)	(49,383)	(55,203)	On Going	None
Total of Accounts w/ Recovery but NOT in Rate Base		<u>\$ 56,169</u>	<u>\$ 64,659</u>	<u>\$ 93,990</u>		
Regulatory Assets & Liabilities with Proposed Surcharge with Interest EXCLUDED in Rate Base						
U1823052	ESCO HEFPA	\$ 2,931	\$ 2,931	\$ 2,931	Discontinued	Yes - Pre Tax WACOC
U1823055	TBA-Specl Franchise	(3,310)	(5,160)	(9,785)	Discontinued	Yes - Pre Tax WACOC
U1823059	MTA Gross Income	2,215	2,269	2,384	On Going	Yes - Pre Tax WACOC
U1823064	MGP Ins Cost Recovry	159,641	183,013	223,963	On Going	Yes - Pre Tax WACOC
U1823065	Cost to Achieve	1,818	(535)	(6,425)	Discontinued	Yes - Pre Tax WACOC
U1823066	Spl Franch Post 07	11,690	6,495	(6,450)	On Going	Yes - Pre Tax WACOC
U1823067	Int on Def Reg Asset	17,625	17,869	17,928	On Going	N/A
U1823067SIR	Int on Def Reg Asset - Environmental	9,245	10,166	10,949	On Going	N/A
U1823069	Rate Mitigation	7,805	7,805	7,805	Discontinued	Yes - Pre Tax WACOC
U1823074	Capital Tracker	58,770	58,770	58,770	Discontinued	Yes - Pre Tax WACOC
U1823284	TC IT Sharing	42,817	54,419	68,259	On Going	Yes - Pre Tax WACOC
U1823293	SIR Def 06G1185/86	46,207	30,863	(47,952)	On Going	Yes - Pre Tax WACOC
U1823347	Econom Prgm 13-G-001	7,261	7,301	7,436	Discontinued	Yes - Pre Tax WACOC
U2540065	Cost to Achieve	(170)	(1,029)	(3,171)	On Going	Yes - Pre Tax WACOC
U2540076	TAC Imbalance Refund	(2,544)	(1,726)	(941)	On Going	Yes - Pre Tax WACOC
U2540105	Excess Earnings	(88,082)	(88,082)	(88,082)	Discontinued	Yes - Pre Tax WACOC
U2540197	Rate Subj to Refund	(14,122)	(14,449)	(14,452)	Discontinued	Yes - Pre Tax WACOC
U2540200	Merchant Backout CR	22,366	22,366	22,366	Discontinued	Yes - Pre Tax WACOC
U2540201	TBA-Meter Testing	(9,555)	(9,555)	(9,555)	Discontinued	Yes - Pre Tax WACOC
U2540203	Cons Outreach And Ed	1,278	1,278	1,278	Discontinued	Yes - Pre Tax WACOC
U2540205	Int on Deferred Item	(25,543)	(25,694)	(26,455)	On Going	N/A
U2540206	Marketer's Incentive	6,746	6,746	6,746	Discontinued	Yes - Pre Tax WACOC
U2540207	TBA-Newtown Property	(6,897)	(6,897)	(6,897)	Discontinued	Yes - Pre Tax WACOC
U2540208	Del Service Charge	23,957	23,957	23,957	Discontinued	Yes - Pre Tax WACOC
U2540209	TBA-CIAC Settlement	(1,500)	(1,500)	(1,500)	Discontinued	Yes - Pre Tax WACOC
U2540211	EDI,VCC,SBO Tran	6,879	6,879	6,879	Discontinued	Yes - Pre Tax WACOC
U2540212	Transition Charges	(19,290)	(19,290)	(19,290)	Discontinued	Yes - Pre Tax WACOC
U2540217	Env Recoveries	(1,129)	(1,751)	(1,751)	On Going	Yes - Pre Tax WACOC
U2540218	TBA-Avoided Costs	(76)	(76)	(76)	Discontinued	Yes - Pre Tax WACOC
U2540219	Transp Service Adj	(557)	(557)	(557)	Discontinued	Yes - Pre Tax WACOC
U2540225	Prop Tax Exp-ServCo	(24)	(24)	(24)	Discontinued	Yes - Pre Tax WACOC
U2540232	Capital Tracker	(38,859)	(60,304)	(20,184)	Discontinued	Yes - Pre Tax WACOC
U2540234	Coney Is Prop Sale	(12,105)	(12,105)	(12,105)	Discontinued	Yes - Pre Tax WACOC
U2540235	Gas Safety	(9,362)	(9,362)	(9,362)	Discontinued	Yes - Pre Tax WACOC
U2540553	Gas Millennium Fund	(1,814)	(1,638)	(1,706)	On Going	Yes - Pre Tax WACOC
U2540605	Misc Penalties	(5,443)	(8,954)	(8,954)	On Going	Yes - Pre Tax WACOC
Total of Accounts w/ Recovery but NOT in Rate Base		<u>\$ 188,866</u>	<u>\$ 174,437</u>	<u>\$ 165,978</u>		

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Rate Base Regulatory Assets & Liabilities
For the Rate Year Ending December 31, 2016
(\$000's)

<u>Activity</u>	<u>Description</u>	<u>Avg Bal HYE</u> <u>9/30/2015</u>	<u>Actual</u> <u>Balance at</u> <u>9/30/2015</u>	<u>Forecast</u> <u>Balance at</u> <u>12/31/2016</u>	<u>Mechanism</u> <u>On Going /</u> <u>Discontinued</u>	<u>Carrying Charges</u>
Other Regulatory Assets & Liabilities Included in Rate Base						
	None	\$ -	\$ -	\$ -	N/A	N/A
Subtotal Other Reg. Assets in Rate Base		\$ -	\$ -	\$ -		
Other Regulatory Assets & Liabilities Excluded from Rate Base						
U1823026	Reg Assets - Legacy	\$ 28,676	\$ 22,678	\$ 7,888	Discontinued	None
U1823043	Asset Ret Obligation	8,405	5,842	6,013	On Going	None
U1823049	Deferred Gas Costs	8,241	12,425	21,724	On Going	None
U1823064B	Environmental Reserve - Offset	529,726	544,879	542,815	On Going	None
U1823070	Gas Futures-Supply	15,937	24,864	14,799	On Going	None
U1823158	FAS158-Pension	163,036	180,524	172,279	On Going	None
U1823159	FAS158-OPEB	50,040	56,750	54,454	On Going	None
U1823193	Interest GAC Sur	70	197	295	On Going	N/A
U1823194	MFC-Merch Func Chrg	12	74	1,652	On Going	Yes - Pre Tax WACOC
U1823195	RDM Rev Decoupling	10,245	7,593	6,672	On Going	Yes - Pre Tax WACOC
U1823274	Low Income Program	4,272	7,078	7,877	On Going	Yes - Pre Tax WACOC
U1823281	OffSys Sales-Profit	5,167	-	-	On Going	Yes - Pre Tax WACOC
U1823282	Def GRI Surchrg/Exp	2	-	-	Discontinued	Yes - Pre Tax WACOC
U1823285	PP VAC Trsp Rev	(9)	-	-	Discontinued	Yes - Pre Tax WACOC
U1823290	Def TC Penalty Chg	12	-	-	On Going	None
U1823300	GAC Imbalance	21,992	40,771	15,973	On Going	Yes - Other Customer Capital Rate
U1823731	Sys Perf Adj (SPA)	1,189	649	2,370	On Going	Yes - Other Customer Capital Rate
U2540002	Energy Efficiency	(40,663)	(35,445)	(34,257)	On Going	Yes - Other Customer Capital Rate
U2540008	Interest Deferd GAC	6	(16)	-	On Going	N/A
U2540009	Int Pipeline Refund	(18)	(1)	(1)	On Going	N/A
U2540010	Int Deferred TAC	(46)	(39)	(25)	On Going	N/A
U2540012	Revenue Decoupling	(8,913)	-	-	On Going	Yes - Pre Tax WACOC
U2540049	Deferred Gas Costs	(8,737)	-	-	On Going	None
U2540051	Pipeline Refunds	(561)	-	(160)	On Going	Yes - Pre Tax WACOC
U2540052	Marketer Pen Ref	(491)	(9)	(88)	On Going	Yes - Pre Tax WACOC
U2540075	Temp Assessmnt 18-A	(15,541)	(3,209)	(3,616)	Discontinued	Yes - Pre Tax WACOC
U2540194	Merchant Func Chrg	(2,070)	-	-	On Going	Yes - Pre Tax WACOC
U2540196	RDM Unbilled	(1,027)	(13,902)	(37,764)	On Going	Yes - Pre Tax WACOC
U2540231	Del Rate Adj	(44,974)	(44,974)	(44,974)	Discontinued	Yes - Pre Tax WACOC
U2540236	Pens/OPEB Res Liab	(1,032)	(17,745)	(17,745)	On Going	Yes - Pre Tax WACOC
U2540280	Int SBC Costs Def	(1,841)	(4,912)	(4,937)	On Going	N/A
U2540281	OffSys Sales-Profit	(541)	(4,074)	(6,143)	On Going	Yes - Pre Tax WACOC
U2540285	PP VAC Trsp Rev	(784)	(899)	(2,328)	Discontinued	Yes - Pre Tax WACOC
U2540289	Int Low Inc Subsidy	(204)	(323)	(318)	On Going	N/A
U2540290	Def TC Penalty Chg	(357)	-	-	On Going	None
U2540569	Gas Futures-Gas Sply	(9,180)	(9,524)	(9,513)	On Going	None
U2540729	MFC - Imbalance	(3,345)	(5,119)	(3,987)	On Going	Yes - Pre Tax WACOC
U2540735	Interest MFC Imb Ref	(14)	(33)	(46)	On Going	N/A
U2543574	Blocked	-	-	-	N/A	N/A
Total of Accounts w/ Recovery but NOT in Rate Base		\$ 706,682	\$ 764,099	\$ 688,909		
Other Assets & Liabilities Included in Rate Base						
C1810000	Unamortized Debt Exp	\$ 7,108	\$ 6,459	\$ 4,810	On Going	None
C1866122	Cost Sharing Agreemt	13,150	15,920	21,018	On Going	None
-	Rate Case Expense	-	-	1,116	On Going	None
Subtotal Other Reg. Liabilities in Rate Base		\$ 20,258	\$ 22,379	\$ 26,943		
Net Reg Assets & Liabilities Included in Rate Base		\$ 20,258	\$ 22,379	\$ 26,943		

The Brooklyn Union Gas Company d/b/a National Grid NY
Example of Carrying Charges on Deferrals
(\$000's)

<u>Month</u>	(a) <u>Beginning Balance</u>	(b) <u>Spending in Excess of Threshold</u>	(c) <u>Interest Rate</u> 9.08%	(d) <u>Interest</u>	(e) <u>Ending Balance</u>
Jan-17	-	(479,166.67)	0.76%	(1,080.28)	(479,166.67)
Feb-17	(479,166.67)	(479,166.67)	0.76%	(3,240.83)	(958,333.34)
Mar-17	(958,333.34)	(479,166.67)	0.76%	(5,401.38)	(1,437,500.01)
Apr-17	(1,437,500.01)	(479,166.67)	0.76%	(7,561.93)	(1,916,666.68)
May-17	(1,916,666.68)	(479,166.67)	0.76%	(9,722.48)	(2,395,833.35)
Jun-17	(2,395,833.35)	(479,166.67)	0.76%	(11,883.03)	(2,875,000.02)
Jul-17	(2,875,000.02)	1,520,833.33	0.76%	(9,534.61)	(1,354,166.69)
Aug-17	(1,354,166.69)	1,520,833.33	0.76%	(2,677.21)	166,666.64
Sep-17	166,666.64	1,520,833.33	0.76%	4,180.20	1,687,499.97
Oct-17	1,687,499.97	520,833.33	0.76%	8,783.11	2,208,333.30
Nov-17	2,208,333.30	520,833.33	0.76%	11,131.54	2,729,166.63
Dec-17	2,729,166.63	520,833.37	0.76%	13,479.96	3,250,000.00
				(13,526.94)	

Column Notes:

- Column (a) Prior month Column (e)
- Column (b) Actual monthly deferred spending
- Column (c) Pre-Tax WACC of 9.08% divided by 12
- Column (d) Column (c) times (Column (a) + Column (b) / 2) * 59.59%
- Column (e) Column (a) + Column (b) - NOTE interest will be booked it a separate deferral account with interest

Note: This example calculation is for a deferral that carrying charges can be calculated monthly. Some carrying charges will be applied on an annual basis and would use the annual carrying charge rate.

The Brooklyn Union Gas Company d/b/a National Grid NY
Deferral of Pension and OPEB Expense
Illustrative Example
(\$000's)

PENSION EXAMPLE

	Pension Rate Year One	Pension Rate Year Two	Pension Rate Year Three
1 Actual Expense	\$ 46,000	\$ 27,000	\$ 17,000
2 Rate Allowance	\$ 39,827	\$ 30,599	\$ 20,995
3 Amount Deferred to (from) customers	<u>\$ (6,173)</u>	<u>\$ 3,599</u>	<u>\$ 3,995</u>

Notes (by line number)

- 1 Actual expense. See Joint Proposal Section 6.1.1.
- 2 Forecasted Rate Year expense. See Page 2 of 2, Line 3
- 3 Line 2 less Line 1

OPEB EXAMPLE

	OPEB Rate Year One	OPEB Rate Year Two	OPEB Rate Year Three
4 Actual Expense	\$ 20,000	\$ 12,000	\$ 19,000
5 Rate Allowance	\$ 15,515	\$ 13,954	\$ 11,971
6 Amount Deferred to (from) customers	<u>\$ (4,485)</u>	<u>\$ 1,954</u>	<u>\$ (7,029)</u>

Notes (by line number)

- 4 Actual expense. See Joint Proposal Section 6.1.1.
- 5 Forecasted Rate Year expense. See Page 2 of 2, Line 6
- 6 Line 5 less Line 4

The Brooklyn Union Gas Company d/b/a National Grid NY
Pension & OPEB Expense
Final Settlement
For the Rate Years Ending December 31, 2017, December 31, 2018, and December 31, 2019
(\$000's)

		Rate Year Ending December 31st, 2017	Rate Year Ending December 31st, 2018	Rate Year Ending December 31st, 2019
Pension				
1	Forecasted Actuarial Expense	38,683.42	29,518.29	19,994.51
2	Incremental Staff	1,143.5	1,080.7	1,000.4
3	Total	<u>39,826.92</u>	<u>30,598.99</u>	<u>20,994.91</u>
		Rate Year Ending December 31st, 2017	Rate Year Ending December 31st, 2018	Rate Year Ending December 31st, 2019
OPEB				
4	Forecasted Actuarial Expense	14,086.90	12,604.40	10,721.89
5	Incremental Staff	1,427.70	1,349.30	1,249.00
6	Total	<u>15,514.60</u>	<u>13,953.70</u>	<u>11,970.89</u>

Notes (by line number)

- 1 See Exhibit____(RRP-3), Schedule 16
- 2 See Exhibit____(RRP-3), Schedule 27
- 3 Line 1 + Line 2
- 4 See Exhibit____(RRP-3), Schedule 11
- 5 See Exhibit____(RRP-3), Schedule 27
- 6 Line 4 + Line 5

The Brooklyn Union Gas Company d/b/a National Grid NY
Deferral of Low Income Discount Program
Illustrative Example
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 26,000	\$ 30,000	\$ 33,000
2 Rate Allowance	<u>\$ 25,000</u>	<u>\$ 31,900</u>	<u>\$ 31,900</u>
3 Amount Deferred to (from) customers	<u>\$ (1,000)</u>	<u>\$ 1,900</u>	<u>\$ (1,100)</u>

Notes (by line number)

- 1 Actual expense
- 2 Forecasted Rate Year expense. See Joint Proposal Section IV. 6.1.2
- 3 Line 2 less Line 1

The Brooklyn Union Gas Company d/b/a National Grid NY
SIR Surcharge Mechanism and Deferral with Annual Reconciliation
Illustrative Example
(\$000's)

<u>Threshold Calculation:</u>	<u>CY 2017</u>	<u>CY 2018</u>	<u>CY 2019</u>	<u>CY 2020</u>	
1 Annual Operating Revenue Amount As Reported in PSC Annual	1,550,000.00	1,550,000.00	1,550,000.00	1,550,000.00	
2 Threshold Amount 2%	31,000.00	31,000.00	31,000.00	31,000.00	
<u>Surcharge Calculation:</u>	<u>CY 2017</u>	<u>CY 2018</u>	<u>CY 2019</u>	<u>CY 2020</u>	
3 Allowed Surcharge Cannot Exceed:	31,000.00	31,000.00	31,000.00	31,000.00	
4 Annual Rate Allowance	53,871.55	45,652.55	46,767.23	46,767.23	
5 Actual Spend	70,000.00	78,000.00	20,000.00	57,000.00	
6 Rollover	-	16,128.46	17,475.91	(9,291.32)	
7 Difference	<u>16,128.46</u>	<u>48,475.91</u>	<u>(9,291.32)</u>	<u>941.45</u>	
8 Eligible Amounts for Surcharge	16,128.46	31,000.00	-	941.45	
9 Amount Subject to Rollover in following year	16,128.46	17,475.91	(9,291.32)	941.45	
	-	-	-	-	
	-	-	-	-	
<u>Deferral Amounts:</u>					
10 Annual Difference of Rate Allowance to Actual Spend	16,128.46	32,347.45	(26,767.23)	10,232.77	
11 SIR Surcharge Recovery	-	-	31,000.00	-	
12 Total Deferral Subject to Surcharge Trigger of \$25,000,000	<u>16,128.46</u>	<u>48,475.91</u>	<u>(9,291.32)</u>	<u>941.45</u>	
<u>Total Surcharge Amounts:</u>	<u>CY 2017</u>	<u>CY 2018</u>	<u>CY 2019</u>	<u>CY 2020</u>	<u>CY 2021</u>
13 Surcharge Enacted	-	-	31,000.00	-	-
14 Total Surcharge	<u>-</u>	<u>-</u>	<u>31,000.00</u>	<u>-</u>	<u>-</u>

- 1 PSC Annual p.114 Ln 2
- 2 Line 1 x 2.0%
- 3 Line 2
- 4 Annual Rate Allowance
- 5 Actual Spend Amounts will be provided by Environmental Group
- 6 Line 9 previous CY
- 7 Line 5 + Line 6 minus Line 4
- 8 Line 7, if < or = Line 3; Line 3 if Line 7 > Line 3; Amount is zero if Line 7 < or = 0
- 9 Line 7 minus Line 8, if Line 11 > or = \$25,000,000; if not then Line 8; if Line 7 < 0 then Line 7
- 10 Line 5 minus Line 4
- 11 Line 13
- 12 Cumulative Over/ Underspend less Recovery
- 13 Total Surcharge enacted in a given CY
- 14 Line 13

The Brooklyn Union Gas Company d/b/a National Grid NY
Deferral of Property Tax Expense
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 130,000.0	\$ 160,000.0	\$ 180,000.0
2 Rate Allowance	<u>\$ 140,909.1</u>	<u>\$ 151,640.0</u>	<u>\$ 165,900.9</u>
3 Under (over) spending	\$ 10,909.1	\$ (8,360.0)	\$ (14,099.1)
4 Customer share of under (over) spending	<u>85%</u>	<u>85%</u>	<u>85%</u>
5 Amount Deferred to (from) Customers	<u>\$ 9,272.7</u>	<u>\$ (7,106.0)</u>	<u>\$ (11,984.2)</u>

In the event that KEDNY does not file for new rates to be effective on or before July 1, 2020, then the property tax reconciliation will be modified to be downward only.

Notes (by line number)

1. Input - Actual Costs
2. Forecasted Rate Year Expense. See Joint Proposal Section 6.1.5
3. Line 2 less Line 1 (Difference between actual expense and rate allowance)
4. Deferral for under (over) spending will be based on 85% customer and 15% company basis.
5. Line 3 times Line 4

The Brooklyn Union Gas Company d/b/a National Grid NY
Deferral of Economic Development Grant Program
Illustrative Example
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 900	\$ 3,100 *	\$ 2,000
2 Rate Allowance	<u>\$ 2,000</u>	<u>\$ 2,000</u>	<u>\$ 2,000</u>
3 Amount Deferred to (from) customers	<u>\$ 1,100</u>	<u>\$ (1,000)</u>	<u>\$ -</u>

* - Capped at 3,000 each year
Downward Only cumulative over term of rate plan

Notes (by line number)

- 1 Actual expense
- 2 Forecasted Rate Year expense. See Joint Proposal Section IV. 6.1.9
- 3 Line 2 less Line 1

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Net Utility Plant and Depreciation Expense Reconciliation
Gas Revenue Requirement Target
For the Rate Years Ending December 31, 2017, December 31, 2018, and December 31, 2019
(\$000's)

	Rate Year Ending December 31, 2017					
	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlements		\$ 4,881,749	\$ 62,650	\$ (1,307,882)	\$ 3,636,517	\$ 90,560
Pre-Tax WACC					9.08%	
Total Revenue Requirement Target	<u>\$ 420,730</u>				<u>\$ 330,170</u>	<u>\$ 90,560</u>
Estimated Actual Results		\$ 4,850,000	\$ 60,000	\$ (1,305,000)	\$ 3,605,000	\$ 90,000
Pre-Tax WACC					9.08%	
Total Revenue Requirement Actuals	<u>\$ 417,309</u>				<u>\$ 327,309</u>	<u>\$ 90,000</u>
Actuals higher/(lower) than Target	<u>\$ (3,421)</u>					
	Rate Year Ending December 31, 2018					
	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlements		\$ 5,346,321	\$ 73,785	\$ (1,281,686)	\$ 4,138,421	\$ 99,366
Pre-Tax WACC					9.08%	
Total Revenue Requirement Target	<u>\$ 475,105</u>				<u>\$ 375,739</u>	<u>\$ 99,366</u>
Estimated Actual Results		\$ 5,345,000	\$ 70,000	\$ (1,280,100)	\$ 4,134,900	\$ 100,000
Pre-Tax WACC					9.08%	
Total Revenue Requirement Actuals	<u>\$ 475,420</u>				<u>\$ 375,420</u>	<u>\$ 100,000</u>
Actuals higher/(lower) than Target	<u>\$ 315</u>					
	Rate Year Ending December 31, 2019					
	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlements		\$ 5,905,877	\$ 67,253	\$ (1,253,788)	\$ 4,719,342	\$ 110,075
Pre-Tax WACC					9.08%	
Total Revenue Requirement Target	<u>\$ 538,558</u>				<u>\$ 428,483</u>	<u>\$ 110,075</u>
Estimated Actual Results		\$ 5,920,000	\$ 64,000	\$ (1,254,000)	\$ 4,730,000	\$ 111,000
Pre-Tax WACC					9.08%	
Total Revenue Requirement Actuals	<u>\$ 540,451</u>				<u>\$ 429,451</u>	<u>\$ 111,000</u>
Actuals higher/(lower) than Target	<u>\$ 1,893</u>					
3 Year Cumulative Revenue Requirement Actual:	\$ 1,433,179					
3 Year Cumulative Revenue Requirement Target	\$ 1,434,393					
3 Year Cumulative Actuals higher/(lower) than Target	<u>\$ (1,214)</u>					

Note: Downward only reconciliation - no amounts due from customer if actuals are higher than target

In years that the incremental LPP replacement surcharge is applicable, the net plant and depreciation components of the LPP surcharge included in the Gas Safety and Reliability Surcharge will be added to the overall Net Utility Plant and Depreciation Expense Mechanism target to avoid any double recovery of the cost associate with incremental LPP miles.

The Brooklyn Union Gas Company d/b/a National Grid NY
Monthly Balances of Gas Net Utility Plant
Rate Year Ending December 31, 2017
(\$000's)

Balance at Month End		Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Depreciation (e)
1	Dec-16 (1/2 month)	\$ 2,358,766	\$ 25,353	\$ (656,682)	\$ 1,727,438	
2	Jan-17	\$ 4,738,998	\$ 53,186	\$ (1,313,395)	\$ 3,478,790	\$ 7,315
3	Feb-17	\$ 4,761,874	\$ 53,982	\$ (1,313,809)	\$ 3,502,048	\$ 7,349
4	Mar-17	\$ 4,786,521	\$ 58,795	\$ (1,311,960)	\$ 3,533,356	\$ 7,385
5	Apr-17	\$ 4,812,926	\$ 60,746	\$ (1,311,713)	\$ 3,561,959	\$ 7,424
6	May-17	\$ 4,843,812	\$ 60,997	\$ (1,310,842)	\$ 3,593,968	\$ 7,462
7	Jun-17	\$ 4,875,466	\$ 61,706	\$ (1,309,588)	\$ 3,627,584	\$ 7,507
8	Jul-17	\$ 4,908,252	\$ 63,301	\$ (1,307,798)	\$ 3,663,755	\$ 7,562
9	Aug-17	\$ 4,937,736	\$ 65,738	\$ (1,306,503)	\$ 3,696,971	\$ 7,614
10	Sep-17	\$ 4,971,840	\$ 68,251	\$ (1,303,886)	\$ 3,736,204	\$ 7,660
11	Oct-17	\$ 4,998,948	\$ 72,617	\$ (1,302,670)	\$ 3,768,894	\$ 7,719
12	Nov-17	\$ 5,044,148	\$ 73,584	\$ (1,297,667)	\$ 3,820,066	\$ 7,762
13	Dec-17 (1/2 month)	\$ 2,561,213	\$ 33,539	\$ (648,073)	\$ 1,946,680	\$ 7,833
14	Total Gas (Sum of Lines 1 to 13)	58,600,500	751,797	(15,694,585)	43,657,712	90,591
15	Average Monthly Balance (Line 16 / 12)	\$ 4,883,375	\$ 62,650	\$ (1,307,882)	\$ 3,638,143	

The Brooklyn Union Gas Company d/b/a National Grid NY
Monthly Balances of Gas Net Utility Plant
Data Year Ending December 31, 2018
(\$000's)

Balance at Month End		Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Depreciation (e)
1	Dec-17 (1/2 month)	\$ 2,561,213	\$ 33,539	\$ (648,073)	\$ 1,946,680	
2	Jan-18	\$ 5,148,342	\$ 71,302	\$ (1,295,151)	\$ 3,924,493	\$ 7,959
3	Feb-18	\$ 5,176,529	\$ 73,196	\$ (1,294,580)	\$ 3,955,145	\$ 8,000
4	Mar-18	\$ 5,226,892	\$ 75,753	\$ (1,287,366)	\$ 4,015,279	\$ 8,045
5	Apr-18	\$ 5,261,107	\$ 76,270	\$ (1,286,338)	\$ 4,051,040	\$ 8,125
6	May-18	\$ 5,300,818	\$ 74,726	\$ (1,284,523)	\$ 4,091,020	\$ 8,179
7	Jun-18	\$ 5,341,194	\$ 73,697	\$ (1,282,352)	\$ 4,132,539	\$ 8,243
8	Jul-18	\$ 5,382,901	\$ 73,539	\$ (1,279,657)	\$ 4,176,783	\$ 8,313
9	Aug-18	\$ 5,419,973	\$ 74,444	\$ (1,277,713)	\$ 4,216,704	\$ 8,378
10	Sep-18	\$ 5,463,021	\$ 75,148	\$ (1,274,195)	\$ 4,263,974	\$ 8,435
11	Oct-18	\$ 5,496,822	\$ 77,742	\$ (1,272,544)	\$ 4,302,019	\$ 8,509
12	Nov-18	\$ 5,553,122	\$ 76,391	\$ (1,266,226)	\$ 4,363,287	\$ 8,562
13	Dec-18 (1/2 month)	\$ 2,843,050	\$ 29,674	\$ (631,509)	\$ 2,241,216	\$ 8,649
14	Total Gas (Sum of Lines 1 to 13)	64,174,987	885,421	(15,380,229)	49,680,179	99,397
15	Average Monthly Balance (Line 16 / 12)	\$ 5,347,916	\$ 73,785	\$ (1,281,686)	\$ 4,140,015	

The Brooklyn Union Gas Company d/b/a National Grid NY
Monthly Balances of Gas Net Utility Plant
Data Year Ending December 31, 2019
(\$000's)

Balance at Month End		Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Depreciation (e)
1	Dec-18 (1/2 month)	\$ 2,843,050	\$ 29,674	\$ (631,509)	\$ 2,241,216	
2	Jan-19	\$ 5,712,439	\$ 64,174	\$ (1,262,794)	\$ 4,513,820	\$ 8,852
3	Feb-19	\$ 5,741,201	\$ 66,500	\$ (1,262,998)	\$ 4,544,703	\$ 8,894
4	Mar-19	\$ 5,789,139	\$ 70,435	\$ (1,257,093)	\$ 4,602,480	\$ 8,939
5	Apr-19	\$ 5,824,785	\$ 70,036	\$ (1,256,600)	\$ 4,638,221	\$ 9,013
6	May-19	\$ 5,866,073	\$ 67,829	\$ (1,255,341)	\$ 4,678,561	\$ 9,077
7	Jun-19	\$ 5,904,099	\$ 67,013	\$ (1,254,486)	\$ 4,716,626	\$ 9,150
8	Jul-19	\$ 5,945,868	\$ 66,109	\$ (1,252,660)	\$ 4,759,317	\$ 9,208
9	Aug-19	\$ 5,982,953	\$ 66,659	\$ (1,251,606)	\$ 4,798,006	\$ 9,271
10	Sep-19	\$ 6,025,709	\$ 67,150	\$ (1,249,019)	\$ 4,843,841	\$ 9,328
11	Oct-19	\$ 6,060,299	\$ 69,356	\$ (1,248,084)	\$ 4,881,571	\$ 9,393
12	Nov-19	\$ 6,118,839	\$ 67,415	\$ (1,242,168)	\$ 4,944,087	\$ 9,446
13	Dec-19 (1/2 month)	\$ 3,074,820	\$ 34,684	\$ (621,097)	\$ 2,488,407	\$ 9,535
14	Total Gas (Sum of Lines 1 to 13)	70,889,273	807,035	(15,045,454)	56,650,855	110,107
15	Average Monthly Balance (Line 16 / 12)	\$ 5,907,439	\$ 67,253	\$ (1,253,788)	\$ 4,720,905	

The Brooklyn Union Gas Company d/b/a National Grid NY
Adjustment for NYC Commission of Finance Charges (Fines and Violations)
(000)

	Rate Year and Data Years Ending December 31,		
	<u>2017</u>	<u>2018</u>	<u>2019</u>
<u>Plant Adjustment:</u>			
NYC Commission of Finance charges (fines and violations) adj	(1,626.1)	(1,594.4)	(1,562.7)
<u>Depreciation Adjustment:</u>			
NYC Commission of Finance charges (fines and violations) adj	(31.7)	(31.7)	(31.7)

The Brooklyn Union Gas Company d/b/a National Grid
Deferral of Variable Pay Expense
(\$000's)

	<u>Rate Year Ending December 31, 2017</u>	<u>Data Year Ending December 31, 2018</u>	<u>Data Year Ending December 31, 2019</u>
1 Actual Expense	\$ 7,200.0	\$ 7,700.0	\$ 8,200.0
2 Rate Allowance	<u>\$ 7,460.5</u>	<u>\$ 7,663.9</u>	<u>\$ 7,877.6</u>
3 Amount Deferred to Customers	<u>\$ 260.5</u>	<u>\$ -</u>	<u>\$ -</u>

If the actual expense is greater than the rate allowance, there is no additional recovery from customers. This is a downward only reconciliation.

Line Notes

- 1 Input Actual costs - Under the Company's management variable pay program (Annual Performance Plan) the evaluation period is on a fiscal year basis ending March. Variable pay expense is accrued monthly, with the final accrual in March reconciling the annual variable pay total to the expected pay out in June.
- 2 Forecasted Rate Year and Data Years Variable Pay Expense
- 3 Line 2 less Line 1 (if Line 2 is greater than Line 1)

The Brooklyn Union Gas Company d/b/a National Grid NY
Deferral of Customer Conversion Rebate Program
Illustrative Example
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 150	\$ 250	\$ 100
2 Rate Allowance	<u>\$ 200</u>	<u>\$ 200</u>	<u>\$ 200</u>
3 Amount Deferred to (from) customers	<u>\$ 50</u>	<u>\$ -</u>	<u>\$ 100</u>

Downward only reconciliation

If the actual expense is greater than the rate allowance, the Company may petition the Commission for deferral treatment

Notes (by line number)

- 1 Actual expense
- 2 Forecasted Rate Year expense. See Joint Proposal Section IV. 6.2.6
- 3 Line 2 less Line 1

The Brooklyn Union Gas Company d/b/a National Grid NY
Deferral of Third-Party Payment Center Processing Fees
Illustrative Example
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 300	\$ 500	\$ 450
2 Rate Allowance	<u>\$ 410</u>	<u>\$ 410</u>	<u>\$ 410</u>
3 Amount Deferred to (from) customers	<u><u>\$ 110</u></u>	<u><u>\$ (90)</u></u>	<u><u>\$ (40)</u></u>

Notes (by line number)

- 1 Actual expense
- 2 Forecasted Rate Year expense. See Joint Proposal Section IV. 6.2.7
- 3 Line 2 less Line 1

Brooklyn Union Gas Company (d/b/a National Grid NY)
Variable Rate Debt True-up Example
(\$000)

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Interest Expense	\$3,100	\$3,450	\$3,925
2 Annual Rate Allowance	<u>\$2,768</u>	<u>\$2,768</u>	<u>\$2,768</u>
3 Amount Deferred to (from) Customer	<u><u>(\$332)</u></u>	<u><u>(\$682)</u></u>	<u><u>(\$1,157)</u></u>

Notes (by line number)

- 1 Input - Actual Interest Costs
- 2 Forecasted Rate Year Interest Expense. See Page 2 of 2
- 3 Line 2 less Line 1

Brooklyn Union Gas Company (d/b/a National Grid NY)
Annual Cost of Variable Rate Long-Term Debt
For the CY2017, CY2018 and CY2019 Rate Years
(\$000)

VARIABLE RATE LONG-TERM DEBT	RATE *	MATURITY DATE	PRINCIPAL AMOUNT	ANNUAL INTEREST & FEES	ANNUAL AMORTIZATION DEBT DISCOUNT AND EXPENSE	TOTAL INTEREST AND ANNUAL AMORTIZATION	EFFECTIVE RATE
NYSERDA Variable 2005 Series B Due 2025	0.961%	6/1/2025	55,000	529	273	802	1.46%
NYSERDA Variable 1991 Series D Due 2026	0.673%	7/1/2026	50,000	337	128	465	0.93%
NYSERDA Variable % GFRB 1997 Series Due 2020 A-1	0.673%	12/1/2020	75,000	505	425	930	1.24%
NYSERDA Variable % GFRB 1997 Series Due 2020 A-2	0.673%	12/1/2020	50,000	337	235	572	1.14%
			<u>230,000</u>	<u>1,706</u>	<u>1,062</u>	<u>2,768</u>	<u>1.20%</u>

* Actual Interest rates as of the finalization of the Joint Proposal

Brooklyn Union Gas Company (d/b/a National Grid NY)
Debt Tenor Reconciliation Example

Scenario 1			
Joint Proposal Forecast	Interest Rate	Amount Issued (\$000)	Interest Exp. (\$000)
30-year Senior Notes	4.034%	265,000	10,690
10-year Senior Notes	3.012%	265,000	7,982
			<u>18,672</u>

Scenario 2			
Joint Proposal Forecast	Interest Rate	Amount Issued (\$000)	Interest Exp. (\$000)
30-year Senior Notes	4.034%	265,000	10,690
10-year Senior Notes	3.012%	265,000	7,982
			<u>18,672</u>

Actual Issuance			
	Interest Rate	Amount Issued (\$000)	Interest Exp. (\$000)
30-year Senior Notes	4.500%	400,000	18,000
10-year Senior Notes	3.800%	130,000	4,940
			<u>22,940</u>

Actual Issuance			
	Interest Rate	Amount Issued (\$000)	Interest Exp. (\$000)
30-year Senior Notes	4.500%	100,000	4,500
10-year Senior Notes	3.900% *	430,000	16,770
			<u>21,270</u>

Total Difference in Interest Expense			4,268
Difference Due To Interest Rates			
	0.466%	265,000	1,235
	0.788%	265,000	2,088
			<u>3,323</u>

Total Difference in Interest Expense			2,598
Difference Due To Interest Rates			
	0.466%	265,000	1,235
	0.888%	265,000	2,353
			<u>3,588</u>

Annual Difference to be Deferred Due To Change in Maturity Mix [‡] 945 * Annual Difference to be Deferred Due To Change in Maturity Mix (990)**

* Assumed to be 150 BP above 10-year treasuries. If no 30-year debt is actually issued the assumed interest rate would be 180 BP above 30-year treasuries.

** The amount of interest expense deferred in CY2017 will be the amount incurred between the issuance date of the debt and the end of the year.

*** A negative figure represents a deferred liability.

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Safety and Reliability Surcharge
Example of All Components of Gas Safety and Reliability Surcharge (GSRS)
(000)

	Page Reference	Rate Year CY 2017	Rate Year CY 2018	Rate Year CY 2019
Recovery of Incremental LPP Proactive Replacement Costs	Page 2-4	\$1,936	\$3,493	\$6,270
Positive Revenue Adjustment - LPP Removal Incentive	Page 6	\$1,896	\$1,422	\$2,370
Positive Revenue Adjustment - LPP Productivity Incentive	Page 7	\$0	\$0	\$474
Recovery of Incremental Leak Repair Costs	Page 8	\$231	\$608	\$1,002
Positive Revenue Adjustment - Leak Repair Incentive	Page 8	\$237	\$711	\$1,185
Total Gas and Safety Surcharge		<u>\$4,300</u>	<u>\$6,235</u>	<u>\$11,301</u>

The Brooklyn Union Gas Company db/a National Grid NY
Gas Safety and Reliability Surcharge (GSRS)
Example of Recovery of Incremental Leak Prone Pipe (LPP) Proactive Replacement Costs
(000)

RATE ALLOWANCE																	
Rate Allowance - 33 Miles Proactive Replacement at \$658 Average Unit Cost						Example of 4 Incremental Miles at \$690 Average Unit Cost and 520 Incremental D&R's at \$2,100						Maximum					
Capital Expend. Closes						Capital Expend. Closes						Amount					
To Plant In-Service (Note 1)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b)+(d)	Pre - Tax WACC 9.08% (Note 3) (f)	Opex (g)	Total Requirement (h) (c)+(f)+(g)	To Plant In-Service (Note 1)	Plant Balance (i)	Depreciation Expense 1.82% (Note 2) (k)	Accumulated Depreciation Reserve Balance (l)	Net Utility Plant (m) (i)+(j)	Pre - Tax WACC 9.08% (Note 3) (n)	Opex (o)	Total Requirement (p) (k)+(l)+(m)+(n)+(o)	Subject to Surcharge (Note 4)	
CY 2018																	
Dec-2017	10,919	92,696	-658	92,037	348			1,350	16,632	25	-118	16,514	62				
Jan-2018	6,663	103,615	-799	102,816	778			824	17,982	27	-143	17,839	135				
Feb-2018	15,691	110,277	-956	109,321	827			1,940	18,806	29	-171	18,635	141				
Mar-2018	4,885	125,969	-1,124	124,845	945			604	20,746	32	-199	20,547	155				
Apr-2018	3,952	130,854	-1,315	129,538	980			489	21,350	32	-231	21,119	160				
May-2018	7,280	134,806	-1,514	133,292	1,008			900	21,838	32	-263	21,575	163				
Jun-2018	9,709	142,086	-1,719	140,367	1,062			1,200	22,738	33	-296	22,442	170				
Jul-2018	9,545	151,795	-1,934	149,861	1,134			1,180	23,939	35	-331	23,608	179				
Aug-2018	10,784	161,341	-2,165	159,176	1,204			1,333	25,119	36	-367	24,752	187				
Sep-2018	10,016	172,125	-2,410	169,715	1,284			1,238	26,452	38	-405	26,047	197				
Oct-2018	14,914	182,141	-2,671	179,470	1,358			1,844	27,691	40	-446	27,245	206				
Nov-2018	10,290	197,055	-2,948	194,107	1,469			1,272	29,535	42	-488	29,047	220				
Dec-2018	\$114,650	207,346	-3,247	204,098	772			\$14,175	30,807	45	-532	30,274	115				
			\$2,589	145,048	\$13,169	\$8,068	\$23,826			\$414		23,021	\$2,090	\$989	\$3,493	\$3,493	
Miles	33				33			4						10,178			
Feet	174,240				174,240			21,120						520			
D&R's (forecast assumes 2.5% per foot)	\$658				4,327			\$690						4,847			
Unit Cost per Foot	\$671				\$1,865			2%						\$2,100			
2% Cap on Unit Cost					\$1,902			2%						\$1,902			

The Brooklyn Union Gas Company db/a National Grid NY
Gas Safety and Reliability Surcharge (GSRS)
Example of Recovery of Incremental Leak Prone Pipe (LPP) Proactive Replacement Costs
(000)

RATE ALLOWANCE																		
Rate Allowance - 38 Miles Proactive Replacement at \$674 Average Unit Cost						EXAMPLE FOR ILLUSTRATIVE PURPOSES - Example of 7 Incremental Miles at \$664 Average Unit Cost and 900 Incremental D&R's at \$2,400 Capital Expend.												
Capital Expend. Closes To Plant	In-Service (Note 1)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (c)	Pre - Tax WACC 9.08% (Note 3)	Opex (e)	Total Requirement (h)	In-Service (Note 1)	Plant Balance (i)	Depreciation Expense 1.82% (Note 2)	Accumulated Depreciation Reserve Balance (l)	Net Utility Plant (m)	Pre - Tax WACC 9.08% (Note 3)	Opex (o)	Total Requirement (p)	Maximum Amount Subject to Surcharge (Note 4)	
(a)	(a)	(b)	(c)	(d)	(b)+(d)	(f)	(g)	(h)	(i)	(i)	(k)	(l)	(m)	(n)	(o)	(k)+(m)+(o)		
Dec-2018		207,346		-3,247	204,098	772				30,807		-532	30,274	115				
Jan-2019	12,879	220,225	315	-3,562	216,663	1,639			2,337	33,144	47	-579	32,565	246				
Feb-2019	7,859	228,083	334	-3,897	224,187	1,696			1,426	34,570	50	-630	33,941	257				
Mar-2019	18,508	246,592	346	-4,243	242,348	1,834			3,359	37,929	53	-682	37,247	282				
Apr-2019	5,762	252,353	375	-4,618	247,736	1,874			1,046	38,975	58	-740	38,235	289				
May-2019	4,662	257,015	383	-5,001	252,014	1,907			846	39,821	59	-799	39,022	295				
Jun-2019	8,587	265,602	390	-5,391	260,211	1,969			1,558	41,379	60	-859	40,520	307				
Jul-2019	11,452	277,054	403	-5,795	271,260	2,052			2,078	43,457	63	-922	42,535	322				
Aug-2019	11,259	288,313	421	-6,215	282,098	2,134			2,043	45,501	66	-988	44,513	337				
Sep-2019	12,720	301,033	438	-6,653	294,380	2,227			2,308	47,809	69	-1,057	46,752	354				
Oct-2019	11,815	312,848	457	-7,110	305,737	2,313			2,144	49,953	73	-1,130	48,823	369				
Nov-2019	17,592	330,439	475	-7,585	322,854	2,443			3,192	53,146	76	-1,206	51,940	393				
Dec-2019	12,138	342,577	502	-8,087	334,490	1,265			2,203	55,348	81	-1,286	54,062	205				
	\$135,231		\$4,840		265,732	\$24,127	\$9,476	\$38,442	\$24,541		\$754		41,522	\$3,770	\$1,746	\$6,270	\$6,270	
Miles	38						38		7								Incremental D&R cost	14,118
Feet	200,640						200,640		36,960								Incremental D&R's	900
D&R's (forecast assumes 2.5% per foot)	\$674					2.5%	\$1,902		\$664 ok, under cap								Actual # of D&R's	5,882
Unit Cost per Foot	\$687						\$1,940		\$687 2% Cap on Unit Cost								Actual D&R unit cost	\$2,400 over cap - limit to \$1,940
2% Cap on Unit Cost																	2% Cap on Unit Cost	\$1,940

D& R Opex in Rate Allowance	CY 2017	CY 2018	CY 2019
CY Totals	6,711	8,068	9,476

Notes and Assumptions:

- 1) LPP proactive replacement capital expenditures in base rates total \$92.696 million (28 miles) in CY 2017, \$114.650 (33 miles) million in CY 2018 and \$135.231 million (38 miles) in CY 2019.
- 2) Revenue requirement assumes capital expenditures are placed in-service in the month spent.
- 3) Utilizes pre-tax WACC by calendar year per Settlement ROE of 9%.
- 4) The amount subject to surcharge is limited to the Company's average costs of main replacement and for D&R's allowed in rate allowance, subject to a 2% cap
- 5) The CY 2017 incremental mileage spend will be rolled forward to the CY 2018 and CY 2019 surcharges, calculating a return on the net plant investment and associated depreciation expense.
- 6) The CY 2018 incremental mileage spend will be rolled forward to the CY 2019 surcharge, calculating a return on the net plant investment and associated depreciation expense.

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Safety and Reliability Surcharge
D&R Cost of Incremental LPP Proactive Mileage in Rate Allowance

	FY17	CY17	CY18	CY19
LPP Proactive Miles		28	33	38
LPP Proactive Feet		147,840	174,240	200,640
Ratio of D&R to LPP Proactive Feet		2.5%	2.5%	2.5%
Total D&R's		3,671	4,327	4,982
Unit Cost	\$1,792	\$1,828	\$1,865	\$1,902
Total Cost of D&R's		<u>\$6,711,090</u>	<u>\$8,067,688</u>	<u>\$9,475,867</u>

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Safety and Reliability Surcharge
Example of for Leak Prone Pipe (LPP) Removal Incentive Positive Revenue Adjustment (PRA)

	<u>CY 2017</u>		<u>CY 2018</u>	<u>CY 2019</u>
Total LPP Removal Target - Miles		55	60	65
Example of Miles Removed		60	64	72
Incentive Threshold - Miles		56	61	66
Miles Eligible for Incentive		4	3	6
Basis Point Allowed - 10 Maximum	2	8	6	10
Estimate of Basis Point PRA	<u>\$237,000</u>	<u>\$1,896,000</u>	<u>\$1,422,000</u>	<u>\$2,370,000</u>

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Safety and Reliability Surcharge
Example of Proactive Leak Prone Pipe (LPP) Productivity Incentive Positive Revenue Adjustment (PRA)
Using a 1.5% Savings Tier

INCENTIVE THRESHOLDS

Base	CY 2017 Proactive Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	> \$618	> \$608	> \$599	> \$589	> \$580	> \$580
Savings From Base	< 1.50%	< 3.00%	< 4.50%	< 6.00%	< 7.50%	< 7.50%
Positive Incentive Pre-Tax Basis Point (BP)	0	2	4	6	8	10
Estimate of one BP	\$ 237,000	\$474,000	\$948,000	\$1,422,000	\$1,896,000	\$ 2,370,000

Base	CY 2018 Proactive Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	> \$648	> \$638	> \$628	> \$619	> \$609	> \$609
Savings From Base	< 1.50%	< 3.00%	< 4.50%	< 6.00%	< 7.50%	< 7.50%
Positive Incentive Pre-Tax Basis Point (BP)	0	2	4	6	8	10
Estimate of one BP	\$ 237,000	\$474,000	\$948,000	\$1,422,000	\$1,896,000	\$ 2,370,000

Base	CY 2019 Proactive Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	> \$664	> \$654	> \$644	> \$634	> \$623	> \$623
Savings From Base	< 1.50%	< 3.00%	< 4.50%	< 6.00%	< 7.50%	< 7.50%
Positive Incentive Pre-Tax Basis Point (BP)	0	2	4	6	8	10
Estimate of one BP	\$ 237,000	\$474,000	\$948,000	\$1,422,000	\$1,896,000	\$ 2,370,000

EXAMPLE FOR ILLUSTRATIVE PURPOSES:

Unit Cost	CY 2017	CY 2018	CY 2019
Savings From Base	\$ 630	\$ 690	\$ 664
Positive Incentive Basis Point (BP)	N/A	N/A	1.50%
Estimate of Basis Point PRA	0	0	\$474,000

The Brooklyn Union Gas Company d/b/a National Grid NY
Gas Safety and Reliability Surcharge
Recovery of Incremental Leak Repair Costs and Leak Repair Incentive Positive Revenue Adjustment (PRA)

Example of Incremental Leak Repairs Above Rate Plan

	<u>CY 2017</u>	<u>CY 2018</u>	<u>CY 2019</u>
Leak Repairs Target - Type 3 Leaks	150	150	150
Actual Leak Repairs - Example	210	305	420
Incremental Leaks Repaired	<u>60</u>	<u>155</u>	<u>270</u>

Recovery of Incremental Leak Repair Costs:

Maximum Incremental Limit per Year Subject to Recovery	<u>250</u>	<u>250</u>	<u>250</u>
Incremental Leaks Subject to Recovery	60	155	250
Average Per Unit Repair Cost Rate Allowance	\$3,844	\$3,925	\$4,007
Total incremental Cost Subject to Recovery	<u>\$230,640</u>	<u>\$608,332</u>	<u>\$1,001,786</u>

Leak Repair Incentive PRA:

Basis Point (BP) Limited to One BP for each 50 Leaks Repaired (Maximum of Five BP per Year)	1	3	5
Estimate of Basis Point PRA	<u>\$237,000</u>	<u>\$237,000</u>	<u>\$711,000</u>
			<u>\$1,185,000</u>

Basis Point determination in above example assumes KEDNY achieves both components of the annual backlog reduction targets. Additionally, the number of incremental leak repairs subject to the incentive have been repaired from the list of highest emitting Type 3 leaks.

The Brooklyn Union Gas Company d/b/a National Grid NY
City/State Construction Deferral
Example of City/State Revenue Requirement Compared to Rate Allowance
(000)

CY 2017	Rate Allowance						Example of Spend Over Rate Allowance						Amount Subject to Deferral (o) (n) - (g)	
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)	Pre - Tax WACC 9.08% (Note 3) (f)	Total Revenue Requirement (g)	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 1.82% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l)		Pre - Tax WACC 9.08% (Note 3) (m)
					(b) + (d)	(c)+(f)						(i) + (k)	(j)+(m)	(n) - (g)
Dec-2016		0		0	0		0	0	0	0	0	0	0	
January	15,523	15,523	0	0	15,523	117	15,801	15,801	0	0	0	15,801	120	
February	15,714	31,237	24	-24	31,214	236	15,995	31,796	24	-24	-24	31,772	240	
March	27,462	58,700	47	-71	58,629	444	27,953	59,749	48	-72	-72	59,677	452	
April	12,462	71,162	89	-160	71,002	537	12,685	72,434	91	-163	-163	72,271	547	
May	12,380	83,541	108	-268	83,273	630	12,601	85,035	110	-273	-273	84,762	641	
June	13,697	97,239	127	-395	96,844	733	13,942	98,977	129	-402	-402	98,575	746	
July	13,542	110,781	148	-543	110,238	834	13,785	112,762	150	-552	-552	112,209	849	
August	15,086	125,867	168	-711	125,156	947	15,356	128,117	171	-724	-724	127,393	964	
September	19,529	145,396	191	-902	144,494	1,093	19,879	147,996	195	-918	-918	147,077	1,113	
October	15,918	161,315	221	-1,123	160,192	1,212	16,203	164,198	225	-1,143	-1,143	163,055	1,234	
November	17,745	179,059	245	-1,368	177,691	1,344	18,062	182,260	249	-1,392	-1,392	180,868	1,368	
December	17,428	196,487	272	-1,640	194,848	1,474	17,740	200,000	277	-1,669	-1,669	198,331	1,501	
	196,487	98,172	1,640	-532	97,640	9,602	200,000	99,927	1,669	-542	-542	99,385	9,774	11,443

CY 2018	Rate Allowance						Example of Spend Under Rate Allowance						Amount Subject to Deferral (o) (n) - (g)	
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)	Pre - Tax WACC 9.08% (Note 3) (f)	Total Revenue Requirement (g)	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 1.82% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l)		Pre - Tax WACC 9.08% (Note 3) (m)
					(b) + (d)	(c)+(f)						(i) + (k)	(j)+(m)	(n) - (g)
Dec-2017		196,487		-1,640	194,848			200,000		-1,669	-1,669	198,331		
January	17,671	214,159	298	-1,938	212,220	1,606	16,437	216,437	304	-1,973	-1,973	214,464	1,623	
February	17,872	232,031	325	-2,264	229,767	1,738	16,624	233,061	329	-2,292	-2,292	232,732	1,761	
March	30,239	262,270	352	-2,616	259,654	1,965	28,127	261,188	354	-2,683	-2,683	260,505	1,971	
April	11,288	273,558	398	-3,014	270,543	2,047	10,500	271,688	397	-3,079	-3,079	270,608	2,047	
May	11,204	284,761	415	-3,430	281,332	2,129	10,421	282,109	413	-3,492	-3,492	280,617	2,123	
June	12,548	297,309	432	-3,862	293,447	2,220	11,672	293,781	428	-3,920	-3,920	291,860	2,208	
July	12,390	309,699	452	-4,314	305,385	2,311	11,525	305,305	446	-4,367	-4,367	302,939	2,292	
August	13,964	323,663	470	-4,784	318,879	2,413	12,989	318,294	464	-4,830	-4,830	315,464	2,387	
September	18,497	342,160	492	-5,276	336,884	2,549	17,205	335,499	483	-5,314	-5,314	332,185	2,513	
October	14,813	356,973	520	-5,795	351,178	2,657	13,779	349,277	510	-5,823	-5,823	345,454	2,614	
November	16,676	373,649	542	-6,337	367,312	2,779	15,512	364,789	530	-6,354	-6,354	360,435	2,727	
December	16,353	390,002	567	-6,905	383,097	2,899	15,211	380,000	554	-6,908	-6,908	375,092	2,838	
	193,515	296,956	4,967	-3,992	292,964	27,311	180,000	293,452	4,908	-2,288	-2,288	291,165	27,104	32,012

CY 2019	Rate Allowance						Example of Spend Over Rate Allowance						Amount Subject to Deferral (o) (n) - (g)	
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)	Pre - Tax WACC 9.08% (Note 3) (f)	Total Revenue Requirement (g)	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 1.82% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l)		Pre - Tax WACC 9.08% (Note 3) (m)
					(b) + (d)	(c)+(f)						(i) + (k)	(j)+(m)	(n) - (g)
Dec-2018		390,002		-6,905	383,097			380,000		-4,908	-4,908	375,092		
January	16,601	406,604	592	-7,497	399,106	3,020	18,260	398,260	577	-5,485	-5,485	392,776	2,972	
February	16,806	423,410	618	-8,115	415,295	3,142	18,486	416,746	605	-6,05	-6,05	416,141	3,149	
March	29,420	452,830	643	-8,758	444,072	3,360	32,360	449,106	633	-1,238	-1,238	447,868	3,389	
April	11,270	464,099	688	-9,445	454,654	3,440	12,396	461,502	682	-1,920	-1,920	459,582	3,477	
May	11,184	475,284	705	-10,150	465,133	3,519	12,302	473,804	701	-2,621	-2,621	471,183	3,565	
June	12,555	487,839	722	-10,872	476,967	3,609	13,810	487,614	720	-3,340	-3,340	484,273	3,664	
July	12,394	500,233	741	-11,613	488,620	3,697	13,632	501,246	741	-4,081	-4,081	497,165	3,762	
August	14,000	514,232	760	-12,373	501,859	3,797	15,399	516,645	761	-4,842	-4,842	511,803	3,872	
September	18,623	532,855	781	-13,154	519,701	3,932	20,484	537,128	785	-5,627	-5,627	531,502	4,021	
October	14,866	547,721	809	-13,963	533,758	4,038	16,351	553,480	816	-6,442	-6,442	547,037	4,139	
November	16,766	564,487	832	-14,795	549,692	4,159	18,441	571,921	841	-7,283	-7,283	564,638	4,272	
December	16,436	580,923	857	-15,652	565,271	4,277	18,079	590,000	869	-8,152	-8,152	581,848	4,402	
	190,921	487,921	8,155	-11,001	476,920	43,990	210,000	487,704	8,152	-4,168	-4,168	483,537	44,684	52,836

Notes and Assumptions:

- 1) City/State capital expenditures in base rates total \$196.487 million in CY 2017, \$193.515 million in CY 2018 and \$190.921 million in CY 2019. Revenue requirement assumes capital expenditures are placed in-service in the month spent.
- 2) Depreciation is based on the Depreciation Study recommended composite depreciation rate for mains and services based on 12/31/2015 plant balances.
- 3) Utilizes pre-tax WACC by calendar year per Settlement ROE of 9%.
- 4) The CY 2017 incremental/under spend will be rolled forward to the CY 2018 and CY 2019 deferral, calculating a return on the net plant investment and associated depreciation expense.
- 5) The CY 2018 incremental/under spend will be rolled forward to the CY 2019 deferral, calculating a return on the net plant investment and associated depreciation expense.
- 6) Amount subject to deferral is shared 90% with customers.

The Brooklyn Union Gas Company d/b/a National Grid NY
Example of CSC Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

- Example 1
Net Plant/Depreciation Tracker Under
CSC Net Plant/Depreciation Tracker Under
- 1) Record Net Utility Plant Regulated Liability
 - 2) Record 10% CSC Revenue Requirement Net Plant Savings as a Regulated Asset

1) Assume all other components of net plant forecast results match forecast allowed in rates exactly, except for CSC actual cost is lower than forecast. A regulatory liability is generated from the net plant tracker:

Net Utility Plant/Depreciation Tracker Mechanism	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Liability		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
Average Net Plant	\$3,636,516,571	\$4,138,420,504	\$4,719,341,853	\$3,635,516,571	\$4,136,420,504	\$4,716,341,853	(\$1,000,000)	(\$2,000,000)	(\$3,000,000)
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$330,170,075	\$375,739,415	\$428,482,979	\$330,079,282	\$375,557,829	\$428,210,600	(\$90,793)	(\$181,586)	(\$272,379)
Depreciation	\$90,559,667	\$99,365,784	\$110,074,790	\$90,541,467	\$99,529,384	\$110,020,190	(\$18,200)	(\$36,400)	(\$54,600)
Total Net Plant/Depreciation Revenue Requirement	\$420,729,741	\$475,105,199	\$538,557,769	\$420,620,748	\$474,887,213	\$538,230,790	(\$108,993)	(\$217,986)	(\$326,979)
LPP Surcharge related to Net Plant and Depreciation	N/A	N/A	N/A	N/A	N/A	N/A	\$0	\$0	\$0
Average Net Plant	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Pre-Tax Return %	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Return on Ratebase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total LPP Surcharge Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	\$420,729,741	\$475,105,199	\$538,557,769	\$420,620,748	\$474,887,213	\$538,230,790	(\$108,993)	(\$217,986)	(\$326,979)

2) Company's portion of the savings from the lower CSC net plant/depreciation will be booked as a regulatory asset, offsetting a portion of the regulatory liability booked for the net plant tracker:

CSC Average Net Plant	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
Pre-Tax Return %	\$97,639,976	\$292,964,475	\$476,920,047	\$96,639,976	\$290,964,475	\$473,920,047	(\$1,000,000)	(\$2,000,000)	(\$3,000,000)
Return on Ratebase	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
CSC Depreciation	\$8,865,022	\$26,599,110	\$43,300,979	\$8,774,229	\$26,417,524	\$43,028,600	(\$90,793)	(\$181,586)	(\$272,379)
CSC Net Plant/Depreciation Revenue Requirement	\$1,639,945	\$4,966,563	\$8,154,900	\$1,621,745	\$4,930,163	\$8,100,300	(\$18,200)	(\$36,400)	(\$54,600)
	\$10,504,966	\$31,565,672	\$51,455,879	\$10,395,973	\$31,347,686	\$51,128,900	(\$108,993)	(\$217,986)	(\$326,979)
CSC Regulatory Asset - Retain 10% of Net Plant/Depreciation Revenue Requirement Savings (100% of Savings included in Total Net Plant/Depreciation Tracker)	10%	\$10,899,30	\$21,799	10%	\$10,899,30	\$21,799	(\$98,094)	(\$196,187)	(\$294,281)
Total Net Plant/Depreciation and CSC Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)							(\$98,094)	(\$196,187)	(\$294,281)
Check - Should represent 90% of CSC Savings passed back to Customers	90%	(\$98,094)	(\$196,187)	90%	(\$98,094)	(\$196,187)	\$0	\$0	\$0

The Brooklyn Union Gas Company d/b/a National Grid NY
Example of CSC Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 2
Net Plant/Depreciation Tracker Under
CSC Net Plant/Depreciation Tracker Over

- 1) Record Net Utility Plant Regulated Liability
- 2) Record 10% CSC Revenue Requirement Net Plant Excess as a Regulated Liability

1) Assume all other components of net plant forecast results are under what's allowed in rates, except for CSC actual cost is higher than forecast. A regulatory liability is generated from the net plant tracker:

Net Utility Plant/Depreciation Tracker Mechanism	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Liability		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
Average Net Plant	\$3,636,516,571	\$4,138,420,504	\$4,719,341,853	\$3,632,516,571	\$4,135,420,504	\$4,717,341,853	(\$4,000,000)	(\$3,000,000)	(\$2,000,000)
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$330,170,075	\$375,739,415	\$428,482,979	\$329,806,903	\$375,467,036	\$428,301,393	(\$363,172)	(\$272,379)	(\$181,586)
Depreciation	\$90,559,667	\$99,365,784	\$110,074,790	\$90,486,867	\$99,311,184	\$110,038,390	(\$72,800)	(\$54,600)	(\$36,400)
Total Net Plant/Depreciation Revenue Requirement	\$420,729,741	\$475,105,199	\$538,557,769	\$420,293,770	\$474,778,220	\$538,339,783	(\$435,972)	(\$326,979)	(\$217,986)
LPP Surcharge related to Net Plant and Depreciation	N/A	N/A	N/A	N/A	N/A	N/A	\$0	\$0	\$0
Average Net Plant	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Pre-Tax Return %	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Return on Ratebase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total LPP Surcharge Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	\$420,729,741	\$475,105,199	\$538,557,769	\$420,293,770	\$474,778,220	\$538,339,783	(\$435,972)	(\$326,979)	(\$217,986)

2) Company's portion of the overage from the higher CSC net plant/depreciation will be booked as a regulatory liability:

CSC Average Net Plant	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
Pre-Tax Return %	\$97,639,976	\$292,964,475	\$476,920,047	\$98,639,976	\$294,964,475	\$479,920,047	\$1,000,000	\$2,000,000	\$3,000,000
Return on Ratebase	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
CSC Depreciation	\$8,865,022	\$26,599,110	\$43,300,979	\$8,955,815	\$26,780,695	\$43,573,358	\$90,793	\$181,586	\$272,379
CSC Net Plant/Depreciation Revenue Requirement	\$1,639,945	\$4,966,563	\$8,154,900	\$1,658,145	\$5,002,963	\$8,209,500	\$18,200	\$36,400	\$54,600
	\$10,504,966	\$31,565,672	\$51,455,879	\$10,613,959	\$31,783,658	\$51,782,858	\$108,993	\$217,986	\$326,979
CSC Regulatory Liability - Pay Customer 10% of Net Plant/Depreciation Revenue Requirement Excess (100% of Excess included in Total Net Plant/Depreciation Tracker)							10%	10%	10%
Total Net Plant/Depreciation and CSC Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)							(\$10,899,30)	(\$21,799)	(\$32,698)
Check - Should represent 90% of CSC Overage charged to Customers									
- 100% of other components underage									
							(\$446,871)	(\$348,777)	(\$250,684)
							\$98,094	\$196,187	\$294,281
							(\$544,965)	(\$544,965)	(\$544,965)
							(\$446,871)	(\$348,777)	(\$250,684)
							\$0	\$0	\$0

The Brooklyn Union Gas Company d/b/a National Grid NY
Example of CSC Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 3
Net Plant/Depreciation Tracker Over in CY17 1) Do Not Record Net Utility Plant Regulated Asset - One Way Downward Tracker
Under in CY18&19 1a) LPP Surcharge causes Net Plant Tracker to be under in CY18 & CY19 requiring a Regulatory Liability
CSC Net Plant/Depreciation Tracker Under 2) Record 90% CSC Revenue Requirement Net Plant Savings as a Regulated Liability

1) Assume other components of net plant forecast results exceed forecast allowed in rates, except for CSC actual cost is lower than forecast. No regulatory asset is generated due to one way downward tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Diff - Regulatory Liability in CY18 & CY19		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
Net Utility Plant/Depreciation Tracker Mechanism									
Average Net Plant	\$3,636,516,571	\$4,138,420,504	\$4,719,341,853	\$3,644,016,571	\$4,160,320,504	\$4,760,541,853	\$7,500,000	\$21,900,000	\$41,200,000
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$330,170,075	\$375,739,415	\$428,482,979	\$330,851,022	\$377,727,780	\$432,223,648	\$680,947	\$1,988,366	\$3,740,670
Depreciation	\$90,559,667	\$99,365,784	\$110,074,790	\$90,696,167	\$99,764,364	\$110,824,630	\$136,500	\$398,580	\$749,840
Total Net Plant/Depreciation Revenue Requirement	\$420,729,741	\$475,105,199	\$538,557,769	\$421,547,189	\$477,492,144	\$543,048,278	\$817,447	\$2,386,946	\$4,490,510
LPP Surcharge related to Net Plant and Depreciation									
Average Net Plant	\$7,138,176	\$23,020,796	\$41,521,700	N/A	N/A	N/A	(\$7,138,176)	(\$23,020,796)	(\$41,521,700)
Pre-Tax Return %	9.08%	9.08%	9.08%				9.08%	9.08%	9.08%
Return on Ratebase	\$648,096	\$2,090,126	\$3,769,878				(\$648,096)	(\$2,090,126)	(\$3,769,878)
Depreciation	\$118,110	\$414,348	\$754,031				(\$118,110)	(\$414,348)	(\$754,031)
Total LPP Surcharge Revenue Requirement	\$766,206	\$2,504,474	\$4,523,909				(\$766,206)	(\$2,504,474)	(\$4,523,909)
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	\$421,495,947	\$477,609,673	\$543,081,677	\$421,547,189	\$477,492,144	\$543,048,278	\$51,241	(\$117,529)	(\$33,399)

2) Customer's portion of the savings from the lower CSC net plant/depreciation will be booked as a regulatory liability:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Liability		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
CSC Average Net Plant	\$97,639,976	\$292,964,475	\$476,920,047	\$96,639,976	\$290,964,475	\$473,920,047	(\$1,000,000)	(\$2,000,000)	(\$3,000,000)
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$8,865,022	\$26,599,110	\$43,300,979	\$8,774,229	\$26,417,524	\$43,028,600	(\$90,793)	(\$181,586)	(\$272,379)
CSC Depreciation	\$1,639,945	\$4,966,563	\$8,154,900	\$1,621,745	\$4,930,163	\$8,100,300	(\$18,200)	(\$36,400)	(\$54,600)
CSC Net Plant/Depreciation Revenue Requirement	\$10,504,966	\$31,565,672	\$51,455,879	\$10,395,973	\$31,347,686	\$51,128,900	(\$108,993)	(\$217,986)	(\$326,979)
CSC Regulatory Liability - Pay Customer 90% and Retain 10% of Net Plant/Depreciation Revenue Requirement Savings (No Savings in Total Net Plant/Depreciation Tracker)							90%	90%	90%
Total Net Plant/Depreciation and CSC Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)							(\$98,094)	(\$313,716)	(\$327,680)
Check - Should represent 90% of CSC Savings passed back to Customers							90%	90%	90%
- 100% of other components underage due to including the LPP Surcharge							\$0	(\$117,529)	(\$33,399)
							(\$98,094)	(\$313,716)	(\$327,680)
							\$0	\$0	\$0

The Brooklyn Union Gas Company d/b/a National Grid NY
Example of CSC Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

- Example 4
Net Plant/Depreciation Tracker Over
CSC Net Plant/Depreciation Tracker Over
- 1) Do Not Record Net Utility Plant Regulated Asset - One Way Downward Tracker
 - 2) Record 90% of CSC Revenue Requirement Net Plant Excess as a Regulated Asset

1) Assume other components of net plant forecast results exceed forecast allowed in rates, including CSC actual cost is higher than forecast. No regulatory asset is generated due to one way downward tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - No Regulatory Asset Allowed		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
Net Utility Plant/Depreciation Tracker Mechanism									
Average Net Plant	\$3,636,516,571	\$4,138,420,504	\$4,719,341,853	\$3,646,016,571	\$4,164,320,504	\$4,766,541,853	\$9,500,000	\$25,900,000	\$47,200,000
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$330,170,075	\$375,739,415	\$428,482,979	\$331,032,608	\$378,090,952	\$432,768,406	\$862,533	\$2,351,537	\$4,285,427
Depreciation	\$90,559,667	\$99,365,784	\$110,074,790	\$90,732,567	\$99,837,164	\$110,933,830	\$172,900	\$471,380	\$859,040
Total Net Plant/Depreciation Revenue Requirement	\$420,729,741	\$475,105,199	\$538,557,769	\$421,765,174	\$477,928,116	\$543,702,236	\$1,035,433	\$2,822,917	\$5,144,467
LPP Surcharge related to Net Plant and Depreciation				N/A	N/A	N/A			
Average Net Plant	\$7,138,176	\$23,020,796	\$41,521,700				(\$7,138,176)	(\$23,020,796)	(\$41,521,700)
Pre-Tax Return %	9.08%	9.08%	9.08%				9.08%	9.08%	9.08%
Return on Ratebase	\$648,096	\$2,090,126	\$3,769,878				(\$648,096)	(\$2,090,126)	(\$3,769,878)
Depreciation	\$118,110	\$414,348	\$754,031				(\$118,110)	(\$414,348)	(\$754,031)
Total LPP Surcharge Revenue Requirement	\$766,206	\$2,504,474	\$4,523,909				(\$766,206)	(\$2,504,474)	(\$4,523,909)
Total Net Plant/Depreciation Revenue Req't including LPP Surcharge	\$421,495,947	\$477,609,673	\$543,081,677	\$421,765,174	\$477,928,116	\$543,702,236	\$269,227	\$318,443	\$620,559

2) Company's portion of the overage from the higher CSC net plant/depreciation will be booked as a regulatory liability:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
CSC Average Net Plant	\$97,639,976	\$292,964,475	\$476,920,047	\$98,639,976	\$294,964,475	\$479,920,047	\$1,000,000	\$2,000,000	\$3,000,000
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$8,865,022	\$26,599,110	\$43,300,979	\$8,955,815	\$26,780,695	\$43,573,358	\$90,793	\$181,586	\$272,379
CSC Depreciation	\$1,639,945	\$4,966,563	\$8,154,900	\$1,658,145	\$5,002,963	\$8,209,500	\$18,200	\$36,400	\$54,600
CSC Net Plant/Depreciation Revenue Requirement	\$10,504,966	\$31,565,672	\$51,455,879	\$10,613,959	\$31,783,658	\$51,782,858	\$108,993	\$217,986	\$326,979
CSC Regulatory Asset - Charge Customer 90% and Retain 10% of Net Plant/Depreciation Revenue Requirement Excess (No Excess in Total Net Plant/Depreciation Tracker)							Co. Retains 10% of CSC Revenue Requirement Savings		
Total Net Plant/Depreciation and CSC Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)							\$98,094	\$196,187	\$294,281
Check - Should represent 90% of CSC Excess charged to Customers							\$98,094	\$196,187	\$294,281
							\$0	\$0	\$0

The Brooklyn Union Gas Company d/b/a National Grid NY
Example of CSC Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

- Example 5
Net Plant/Depreciation Tracker Under
CSC Net Plant/Depreciation Tracker Under
- 1) Record Net Utility Plant Regulated Liability
 - 2) Record 10% CSC Revenue Requirement Net Plant Savings as a Regulated Asset Offset by difference between CSC Savings and Total Net Plant Savings

1) Assume other components of net plant forecast results are higher than forecast allowed in rates, and CSC actual cost being lower than forecast in excess of total net plant underage. A regulatory liability is generated from the net plant tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Liability		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
<u>Net Utility Plant/Depreciation Tracker Mechanism</u>									
Average Net Plant	\$3,636,516,571	\$4,138,420,504	\$4,719,341,853	\$3,635,516,571	\$4,136,420,504	\$4,716,341,853	(\$1,000,000)	(\$2,000,000)	(\$3,000,000)
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$330,170,075	\$375,739,415	\$428,482,979	\$330,079,282	\$375,557,829	\$428,210,600	(\$90,793)	(\$181,586)	(\$272,379)
Depreciation	\$90,559,667	\$99,365,784	\$110,074,790	\$90,541,467	\$99,529,384	\$110,020,190	(\$18,200)	(\$36,400)	(\$54,600)
Total Net Plant/Depreciation Revenue Requirement	\$420,729,741	\$475,105,199	\$538,557,769	\$420,620,748	\$474,887,213	\$538,230,790	(\$108,993)	(\$217,986)	(\$326,979)
<u>LPP Surcharge related to Net Plant and Depreciation</u>									
Average Net Plant	N/A	N/A	N/A	N/A	N/A	N/A	\$0	\$0	\$0
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total LPP Surcharge Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	\$420,729,741	\$475,105,199	\$538,557,769	\$420,620,748	\$474,887,213	\$538,230,790	(\$108,993)	(\$217,986)	(\$326,979)

2) Company's portion of the savings from the lower CSC net plant/depreciation will be booked as a regulatory asset, offsetting a portion of the regulatory liability booked for the net plant tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
<u>CSC Average Net Plant</u>									
Pre-Tax Return %	\$97,639,976	\$292,964,475	\$476,920,047	\$95,639,976	\$289,964,475	\$472,920,047	(\$2,000,000)	(\$3,000,000)	(\$4,000,000)
Return on Ratebase	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
CSC Depreciation	\$8,865,022	\$26,599,110	\$43,300,979	\$8,683,436	\$26,326,731	\$42,937,807	(\$181,586)	(\$272,379)	(\$363,172)
CSC Net Plant/Depreciation Revenue Requirement	\$1,639,945	\$4,966,563	\$8,154,900	\$1,603,545	\$4,911,963	\$8,082,100	(\$36,400)	(\$54,600)	(\$72,800)
	\$10,504,966	\$31,565,672	\$51,455,879	\$10,286,980	\$31,238,693	\$51,019,907	(\$217,986)	(\$326,979)	(\$435,972)
<u>CSC Regulatory Asset/(Liability) - Retain 10% of Net Plant/Depreciation Revenue Requirement Savings</u>									
CSC Regulatory Asset/(Liability) - Pay Customer the difference between CSC Savings and total Net Plant Savings							\$21,799	\$32,698	\$43,597
Total CSC Regulatory Asset/(Liability)							(\$87,194)	(\$76,295)	(\$65,396)
Total Net Plant/Depreciation and CSC Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)							(\$196,187)	(\$294,281)	(\$392,375)

Check - Should represent 90% of CSC Savings passed back to Customers

10% \$0
90% (\$196,187) (\$294,281) (\$392,375)
\$0

The Brooklyn Union Gas Company d/b/a National Grid NY
Example of CSC Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

- Example 6
Net Plant/Depreciation Tracker Under
CSC Net Plant/Depreciation Tracker Over
- 1) Record Net Utility Plant Regulated Liability
 - 2) Record 10% CSC Revenue Requirement Net Plant Excess as a Regulated Liability

1) Assume all other components of net plant forecast results are under what's allowed in rates, except for LPP and CSC actual cost is higher than forecast. A regulatory liability is generated from the net plant tracker.

Net Utility Plant/Depreciation Tracker Mechanism	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Liability		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
Average Net Plant	\$3,636,516,571	\$4,138,420,504	\$4,719,341,853	\$3,632,516,571	\$4,135,420,504	\$4,717,341,853	(\$4,000,000)	(\$3,000,000)	(\$2,000,000)
Pre-Tax Return %	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%	9.08%
Return on Ratebase	\$330,170,075	\$375,739,415	\$428,482,979	\$329,806,903	\$375,467,036	\$428,301,393	(\$363,172)	(\$272,379)	(\$181,586)
Depreciation	\$90,559,667	\$99,365,784	\$110,074,790	\$90,486,867	\$99,311,184	\$110,038,390	(\$72,800)	(\$54,600)	(\$36,400)
Total Net Plant/Depreciation Revenue Requirement	\$420,729,741	\$475,105,199	\$538,557,769	\$420,293,770	\$474,778,220	\$538,339,783	(\$435,972)	(\$326,979)	(\$217,986)
LPP Surcharge related to Net Plant and Depreciation				N/A	N/A	N/A			
Average Net Plant	\$7,138,176	\$23,020,796	\$41,521,700				(\$7,138,176)	(\$23,020,796)	(\$41,521,700)
Pre-Tax Return %	9.08%	9.08%	9.08%				9.08%	9.08%	9.08%
Return on Ratebase	\$648,096	\$2,090,126	\$3,769,878				(\$648,096)	(\$2,090,126)	(\$3,769,878)
Depreciation	\$118,110	\$414,348	\$754,031				(\$118,110)	(\$414,348)	(\$754,031)
Total LPP Surcharge Revenue Requirement	\$766,206	\$2,504,474	\$4,523,909				(\$766,206)	(\$2,504,474)	(\$4,523,909)
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	\$421,495,947	\$477,609,673	\$543,081,677	\$420,293,770	\$474,778,220	\$538,339,783	(\$1,202,178)	(\$2,831,453)	(\$4,741,894)

2) Company's portion of the overage from the higher CSC net plant/depreciation will be booked as a regulatory liability.

CSC Average Net Plant	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset		
	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019	CY2017	CY2018	CY2019
Pre-Tax Return %	\$97,639,976	\$292,964,475	\$476,920,047	\$98,639,976	\$294,964,475	\$479,920,047	\$1,000,000	\$2,000,000	\$3,000,000
Return on Ratebase	\$8,865,022	\$26,599,110	\$43,300,979	\$8,955,815	\$26,780,695	\$43,573,358	\$90,793	\$181,586	\$272,379
CSC Depreciation	\$1,639,945	\$4,966,563	\$8,154,900	\$1,658,145	\$5,002,963	\$8,209,500	\$18,200	\$36,400	\$54,600
CSC Net Plant/Depreciation Revenue Requirement	\$10,504,966	\$31,565,672	\$51,455,879	\$10,613,959	\$31,783,658	\$51,782,858	\$108,993	\$217,986	\$326,979
CSC Regulatory Liability - Pay Customer 10% of Net Plant/Depreciation Revenue Requirement Excess (100% of Excess included in Total Net Plant/Depreciation Tracker)							10%	10%	10%
Total Net Plant/Depreciation and CSC Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)							(\$10,899,30)	(\$21,799)	(\$32,698)
Check - Should represent 90% of CSC Overage charged to Customers							90%	90%	90%
- 100% of other components underage							(\$1,213,077)	(\$2,853,252)	(\$4,774,592)
- 100% of LPP Surcharge							\$98,093,66	\$196,187	\$294,281
							(\$544,965)	(\$544,965)	(\$544,965)
							(\$766,206)	(\$2,504,474)	(\$4,523,909)
							(\$1,213,077)	(\$2,853,252)	(\$4,774,592)
							\$0	\$0	\$0

The Brooklyn Union Gas Company d/b/a National Grid NY
Deferral of FTE Costs
Illustrative Example
(\$000's)

Example of Per Employee Deferral

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>
1 Total Rate Case Incremental Employees	266	266	266	266	266	266	270	270
2 Employees Hired	244	248	253	258	263	266	268	270
3 Difference (Employee Shortfall)	22	18	13	8	3	-	2	-
4 Deferral per Employee Shortfall	3,900	3,900	3,900	3,900	3,900	3,900	3,900	3,900
5 Total Monthly Deferral	85,800	68,896	49,396	29,896	10,396	-	7,800	-
6 Cumulative Deferral	85,800	154,696	204,092	233,988	244,383	244,383	252,183	252,183

Line Notes

1 Per settlement of FTE's in Exhibit RRP-3CU, Schedule 27, Workpapers 1,3,4,8,9,12,14,16

2 Example of hypothetical count of employees hired to date

3 Line 1 less Line 2

4 Calculated on the following settlement FTE costs in Exhibit RRP-3CU, Schedule 27, Workpapers 1,3,4,8,9,12,14,16:

10,157,415	Payroll
<u>2,516,842</u>	Benefits (exclude Pension/OPEB's)
12,674,257	Total FTE Cost
<u>270</u>	Total FTE Count
46,884	Cost Per Employee
3,907	Cost Per Employee Per Month
3,900	Rounded to Nearest Hundred

5 Line 4 x Line 3

6 Previous months Line 6 + current month Line 5

The Brooklyn Union Gas Company d/b/a National Grid NY
Hire Status of Incremental FTE's
Attachment 1 to DPS-493

Work Paper #	Co	Cost Center	Program/Position	Final FTE Count	KEDNY %	KEDLI %	FTE Count by January 2017		FTE Count by July 2017		Band/Job Title	Mgmt / Rep
							KEDNY FTE	KEDLI FTE	KEDNY FTE	KEDLI FTE		
9	ServCo	Account Maintenance	SDC - A/C Maintenance	5.0	19%	9%	5.0	5.0	5.0	5.0	E	Mgmt
9	ServCo	Account Maintenance	SDC - A/C Maintenance	6.0	58%	0%	6.0	-	6.0	-	Union	Union
9	ServCo	Economic Development	Customer - Econ Dev	1.0	50%	50%	1.0	1.0	1.0	1.0	E/D	Mgmt
9	ServCo	Gas Growth & Indirect Incrementals	Procurement - Gas Growth	2.0	57%	43%	2.0	2.0	2.0	2.0	D2	Mgmt
9	ServCo	Gas Growth & Indirect Incrementals	Procurement - Gas Growth	2.0	57%	43%	2.0	2.0	2.0	2.0	D1	Mgmt
9	ServCo	Gas Growth & Indirect Incrementals	Procurement - Gas Growth	6.0	57%	43%	6.0	6.0	6.0	6.0	E2	Mgmt
1	KEDNY	130-Gas Estimating Office of Excellence	Gas Estimating Office of Excellence- Estimator	2.0	100%	-	2.0	-	2.0	-	Engineer	Mgmt
1	KEDNY	130-Main & Service Replacement	Main & Service Replacement- Designer	3.0	100%	-	3.0	-	3.0	-	Engineer	Mgmt
1	KEDNY	130-Gas Estimating Office of Excellence	Gas Estimating Office of Excellence- Manager	0.3	100%	-	0.3	-	0.3	-	Manager	Mgmt
1	KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Clerks	2.0	100%	-	2.0	-	2.0	-	Operations Clerk	Union
1	KEDNY	130-Gas Transmission Engineering	Gas Transmission Engineering- Engineer	0.5	100%	-	0.5	-	0.5	-	Engineer	Mgmt
1	KEDNY	130-Pressure Regulation Engineering	CNG/LNG- Engineer	1.0	100%	-	1.0	-	1.0	-	Engineer	Mgmt
1	KEDNY	130-Gas Long Term Planning	Gas Long Term Planning- Engineer	1.0	100%	-	1.0	-	1.0	-	Engineer	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	Construction- Public Works- Engineer	2.0	100%	-	2.0	-	2.0	-	Engineer	Mgmt
1	KEDNY	130-Pressure Regulation Engineering	Pressure Regulation Engineering- Engineer	2.0	100%	-	2.0	-	2.0	-	Engineer	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	Construction- Main Replacement- Engineer	3.0	100%	-	3.0	-	3.0	-	Engineer	Mgmt
1	KEDNY	130-Gas Project Eng & Design	Gas Project Eng & Design- Designer	3.0	100%	-	3.0	-	3.0	-	Engineer	Mgmt
1	KEDNY	130-Gas Project Eng & Design	Gas Project Eng & Design- Engineer	7.0	100%	-	7.0	-	7.0	-	Engineer	Mgmt
1	KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Inspectors	2.0	100%	-	2.0	-	2.0	-	Field Operations Inspector A	Union
1	KEDNY	120-Maint & Const-NY Gas	Construction- Main Replacement- Construction Inspectors	5.0	100%	-	5.0	-	5.0	-	Field Operations Inspector A	Union
1	KEDNY	120-Maint & Const-NY Gas	Construction- Main Replacement- Construction Inspectors	1.0	100%	-	1.0	-	1.0	-	Supv Operations	Mgmt
1	KEDNY	110-Contract Management	Complex Construction- Construction Inspectors	9.8	100%	-	9.8	-	9.8	-	Sup Operations	Mgmt
1	KEDNY	110-Program Management	Resource Planning- Coordinator	1.0	100%	-	1.0	-	1.0	-	Sr Coordinator	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	Construction- Permit/Summons/Paving Coordinator	2.0	100%	-	2.0	-	2.0	-	Sr Coordinator	Mgmt
1	KEDNY	130-Corrosion Control	Corrosion- Techs	2.0	100%	-	2.0	-	2.0	-	Corrosion Technician Sr	Union
1	KEDNY	130-Gas Investment Planning	Investment Planning- In Year Budget- Program Manager	1.0	100%	-	1.0	-	1.0	-	Sr Program Manager	Mgmt
1	KEDNY	110-Program Management	Resource Planning- Work Package Reviewer- Program Manager	1.0	100%	-	1.0	-	1.0	-	Sr Program Manager	Mgmt
1	KEDNY	130-Gas Investment Planning	Investment Planning- Rate Case Support- Program Manager	2.0	100%	-	2.0	-	2.0	-	Sr Program Manager	Mgmt
1	KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Program Manager	2.0	100%	-	2.0	-	2.0	-	Sr Program Manager	Mgmt
1	KEDNY	110-Contract Management	Contract Strategy & Administration- Program Manager	3.2	100%	-	3.2	-	3.2	-	Sr Program Manager	Mgmt
1	KEDNY	110-Program Management	Resource Planning- Program Manager	3.5	100%	-	3.5	-	3.5	-	Sr Program Manager	Mgmt
1	KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Lead Program Manager	1.0	100%	-	1.0	-	1.0	-	Lead Program Manager	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	Construction- Main Replacement- Manager	1.0	100%	-	1.0	-	1.0	-	Manager	Mgmt
1	KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Manager	1.0	100%	-	1.0	-	1.0	-	Manager	Mgmt
1	KEDNY	110-Program Management	Resource Planning- Manager	1.0	100%	-	1.0	-	1.0	-	Manager	Mgmt
1	KEDNY	110-Complex Project Mgmt	Project Management- Project Manager	3.5	100%	-	3.5	-	3.5	-	Sr Program Manager	Mgmt
1	KEDNY	110-Complex Project Mgmt	Operations Support- Permit Clerks	5.0	100%	-	5.0	-	5.0	-	Operations Clerk	Union
1	KEDNY	110-Complex Project Mgmt	Operations Support- ESRI Analyst	2.0	100%	-	2.0	-	2.0	-	Sr Analyst	Mgmt
1	KEDNY	110-Complex Project Mgmt	Project Controls- Analyst	2.0	100%	-	2.0	-	2.0	-	Sr Analyst	Mgmt

The Brooklyn Union Gas Company d/b/a National Grid NY
Hire Status of Incremental FTE's
Attachment 1 to DPS-493

FTE Count by January 2017	FTE Count by July 2017
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Work Paper #	Co	Cost Center	Program/Position	Final FTE Count	KEDNY %	KEDLI %	KEDNY FTE	KEDLI FTE	KEDNY FTE	KEDLI FTE	KEDNY FTE	KEDLI FTE	Band/Job Title	Mgmt / Rep
1	KEDNY	110-Ops Support Svcs	Operations Support- Supervisor	1.0	100%		1.0		1.0				Supv Operations	Mgmt
1	KEDNY	110-Ops Support Svcs	Operations Support- Mappers	3.0	100%		3.0		3.0				Graphic Techn Sr 40 Hr	Union
1	KEDNY	110-Ops Support Svcs	Operations Support- Manager	0.5	100%		0.5		0.5				Manager	Mgmt
1	KEDNY	110-Program Management	Resource Planning- Analyst	1.0	100%		1.0		1.0				Sr Analyst	Mgmt
1	KEDNY	110-Program Management	Resource Planning- Report Analyst	1.0	100%		1.0		1.0				Sr Analyst	Mgmt
1	KEDNY	120-Gas Pipeline Safety & Compliance	Process Safety- Engineering	1.0	100%		1.0		1.0				Engineer	Mgmt
1	KEDNY	120-Gas Pipeline Safety & Compliance	Process Safety- Analyst	0.5	100%		0.5		0.5				Sr Analyst	Mgmt
1	KEDNY	120-Gas Pipeline Safety & Compliance	Process Safety- Lead Program Manager	1.0	100%		1.0		1.0				Lead Program Manager	Mgmt
1	KEDNY	120-Gas Pipeline Safety & Compliance	Process Safety- Director	0.5	100%		0.5		0.5				Director	Mgmt
1	KEDNY	130-Gas Operations Engineering	Gas Operations Engineering	1.0	100%		1.0		1.0				Engineer	Mgmt
1	KEDNY	130-Gas Operations Engineering	Gas Operations Engineering	1.0	100%		1.0		1.0				Engineer	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	I&R- Supervisor	2.0	100%		2.0		2.0				Supv Operations	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	I&R- Techs	12.7	100%		12.7		12.7				GSO Station & Field Operator	Union
1	KEDNY	120-Customer Meter Svcs	CMS- MSR (Helpers)	8.0	100%		8.0		8.0				Meter Service Representative	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Supervisor	3.0	100%		3.0		3.0				Supv Operations	Mgmt
1	KEDNY	120-Customer Meter Svcs	CMS- Working Leader	5.0	100%		5.0		5.0				Working Leader	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Director	0.5	100%		0.5		0.5				Director	Mgmt
1	KEDNY	130-Gas Distribution Engineering	Gas Distribution Engineering- Engineer	1.0	100%		1.0		1.0				Engineer	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	Field Operations- Soft Offs	4.0	100%		4.0		4.0				Crew AverageField Operations- Soft OffsKEDNY	Union
1	KEDNY	120-Maint & Const-NY Gas	Field Operations- Pressure Testing	5.0	100%		5.0		5.0				Crew AverageField Operations- Pressure TestingKEDNY	Union
1	KEDNY	110-LNG/Propane-NY Downstate	LNG- Clerk	1.0	100%		1.0		1.0				Operations Clerk	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Meter Reading	-	100%		-		-				Meter Service Representative	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Field Collections	10.0	100%		10.0		10.0				Meter Service Representative	Union
1	KEDNY	120-Maint & Const-NY Gas	Field Operations- Type 3 Leaks	2.0	100%		2.0		2.0				Crew AverageField Operations- Type 3 LeaksKEDNY	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Related to Meter Reading	0.0	100%		0.0		0.0				Meter Service Technician C/B	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Other Emergency	0.6	100%		0.6		0.6				Meter Service Technician C/B	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Meter/Regulator	0.7	100%		0.7		0.7				Meter Service Technician C/B	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Investigations	5.3	100%		5.3		5.3				Meter Service Technician C/B	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Surveillance	7.9	100%		7.9		7.9				Meter Service Technician C/B	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Gas Leak Investigations	14.1	100%		14.1		14.1				Meter Service Technician C/B	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Meter Oriented Services	20.8	100%		20.8		20.8				Meter Service Technician C/B	Union
1	KEDNY	120-Customer Meter Svcs	CMS- Soft Offs	29.8	100%		29.8		29.8				Meter Service Technician C/B	Union
1	KEDNY	110-LNG/Propane-NY Downstate	LNG- Field Engineer	1.0	100%		1.0		1.0				Engineer	Mgmt
1	KEDNY	120-Gas Pipeline Safety & Compliance	Gas Pipeline and Safety Compliance- QA/QC Inspectors	1.0	100%		1.0		1.0				Field Operations Inspector A	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	Damage Prevention- A Inspector	2.0	100%		2.0		2.0				Field Operations Inspector A	Union
1	KEDNY	120-Gas Pipeline Safety & Compliance	Gas Pipeline and Safety Compliance- Compliance Analyst	2.0	100%		2.0		2.0				Sr Analyst	Mgmt
1	KEDNY	110-Gas Control	Gas Control- Control Room Operator	3.0	100%		3.0		3.0				Sr Gas Sys Operator	Mgmt
1	KEDNY	110-Gas Control	Gas Control- SOP Coordinator	1.5	100%		1.5		1.5				Lead SOP Coordinator	Mgmt

The Brooklyn Union Gas Company d/b/a National Grid NY
Hire Status of Incremental FTE's
Attachment 1 to DPS-493

Work Paper #	Co	Cost Center	Program/Position	Final FTE Count	KEDNY %	KEDLI %	FTE Count by January 2017		FTE Count by July 2017		Mgmt / Rep	
							KEDNY FTE	KEDLI FTE	KEDNY FTE	KEDLI FTE		
1	KEDLI	120-Customer Meter Svcs	CMS- Director	0.5	100%	100%	-	0.5	-	0.5	Director	Mgmt
1	KEDLI	120-Customer Meter Svcs	CMS- Field Collections	1.4	100%	100%	-	1.4	-	1.4	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Gas Leak Investigations	0.8	100%	100%	-	0.8	-	0.8	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Investigations	(0.3)	100%	100%	-	(0.3)	-	(0.3)	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Meter Oriented Services	4.4	100%	100%	-	4.4	-	4.4	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Meter/Regulator	0.4	100%	100%	-	0.4	-	0.4	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Other Emergency	(0.1)	100%	100%	-	(0.1)	-	(0.1)	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Related to Meter Reading	(6.6)	100%	100%	-	(6.6)	-	(6.6)	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Shift Work	(1.0)	100%	100%	-	(1.0)	-	(1.0)	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Soft Offs	2.1	100%	100%	-	2.1	-	2.1	Meter Service Technician C/B	Union
1	KEDLI	120-Customer Meter Svcs	CMS- Supervisor	1.0	100%	100%	-	1.0	-	1.0	Supv Operations	Mgmt
1	KEDLI	110-Contract Management	Complex Construction- Contractor Oversight	4.2	100%	100%	-	4.2	-	4.2	Supv Operations	Mgmt
1	KEDLI	120-Maint & Const-NY Gas	Construction- Main Replacement- Construction Inspectors	6.0	100%	100%	-	6.0	-	6.0	Field Operations Inspector A	Union
1	KEDLI	120-Maint & Const-NY Gas	Construction- Main Replacement- Engineer	3.0	100%	100%	-	3.0	-	3.0	Engineer	Mgmt
1	KEDLI	120-Maint & Const-NY Gas	Construction- Main Replacement- Supervisor	1.0	100%	100%	-	1.0	-	1.0	Supv Operations	Mgmt
1	KEDLI	120-Maint & Const-NY Gas	Construction- Permit/Summons/Paving Coordinator	2.0	100%	100%	-	2.0	-	2.0	Sr Coordinator	Mgmt
1	KEDLI	110-Contract Management	Contract Strategy & Administration- Program Manager	1.4	100%	100%	-	1.4	-	1.4	Sr Program Manager	Mgmt
1	KEDLI	130-Corrosion Control	Corrosion- Techs	2.0	100%	100%	-	2.0	-	2.0	Corrosion Technician Sr	Union
1	KEDLI	120-Maint & Const-NY Gas	Damage Prevention- Supervisor	1.0	100%	100%	-	1.0	-	1.0	Supv Operations	Mgmt
1	KEDLI	120-Maint & Const-NY Gas	Field Operations- Soft Offs	2.0	100%	100%	-	2.0	-	2.0	Crew Average/Field Operations- Soft Offs	Union
1	KEDLI	120-Maint & Const-NY Gas	Field Operations- Type 3 Leaks	4.0	100%	100%	-	4.0	-	4.0	Leaks/KEDLI	Union
1	KEDLI	130-Gas Long Term Planning	Gas Asset Management- Engineer	1.0	100%	100%	-	1.0	-	1.0	Engineer	Mgmt
1	KEDLI	130-Pressure Regulation Engineering	Gas Asset Management- Engineer	1.0	100%	100%	-	1.0	-	1.0	Engineer	Mgmt
1	KEDLI	110-Gas Control	Gas Asset Management- Engineer	3.0	100%	100%	-	3.0	-	3.0	Engineer	Mgmt
1	KEDLI	110-Gas Control	Gas Control- Control Room Operator	3.0	100%	100%	-	3.0	-	3.0	Sr Gas Sys Operator	Mgmt
1	KEDLI	110-Gas Control	Gas Control- SOP Coordinator	1.5	100%	100%	-	1.5	-	1.5	Lead SOP Coordinator	Mgmt
1	KEDLI	130-Gas Distribution Engineering	Gas Distribution Engineering- Engineer	1.0	100%	100%	-	1.0	-	1.0	Engineer	Mgmt
1	KEDLI	120-Gas Pipeline Safety & Compliance	Gas Pipeline and Safety Compliance- Compliance Analyst	2.0	100%	100%	-	2.0	-	2.0	Sr Analyst	Mgmt
1	KEDLI	120-Gas Pipeline Safety & Compliance	Gas Pipeline and Safety Compliance- QA/QC Inspectors	1.0	100%	100%	-	1.0	-	1.0	Field Operations Inspector A	Mgmt
1	KEDLI	130-Gas Project Eng & Design	Gas System Engineering- Designer	3.0	100%	100%	-	3.0	-	3.0	Engineer	Mgmt
1	KEDLI	130-Gas Operations Engineering	Gas System Engineering- Engineer	1.0	100%	100%	-	1.0	-	1.0	Engineer	Mgmt
1	KEDLI	130-Gas Project Eng & Design	Gas System Engineering- Engineer	2.0	100%	100%	-	2.0	-	2.0	Engineer	Mgmt
1	KEDLI	130-Gas Project Eng & Design	Gas System Engineering- Engineer	8.0	100%	100%	-	8.0	-	8.0	Engineer	Mgmt
1	KEDLI	130-Main & Service Replacement	Gas System Engineering- Engineer	3.0	100%	100%	-	3.0	-	3.0	Engineer	Mgmt
1	KEDLI	130-Gas Estimating Office of Excellence	Gas System Engineering- Estimator	2.0	100%	100%	-	2.0	-	2.0	Engineer	Mgmt
1	KEDLI	130-Gas Estimating Office of Excellence	Gas System Engineering- Manager	0.3	100%	100%	-	0.3	-	0.3	Manager	Mgmt
1	KEDLI	120-Maint & Const-NY Gas	I&R- Techs	2.2	100%	100%	-	2.2	-	2.2	FCM Elec/Instrument Tech	Union
1	KEDLI	130-Gas Investment Planning	Investment Planning- In Year Budget- Program Manager	1.0	100%	100%	-	1.0	-	1.0	Sr Program Manager	Mgmt
1	KEDLI	130-Gas Investment Planning	Investment Planning- Rate Case- Program Manager	2.0	100%	100%	-	2.0	-	2.0	Sr Program Manager	Mgmt
1	KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Clossout- Clerks	2.0	100%	100%	-	2.0	-	2.0	Operations Clerk	Union

The Brooklyn Union Gas Company d/b/a National Grid NY
Hire Status of Incremental FTE's
Attachment 1 to DPS-493

Work Paper #	Co	Cost Center	Program/Position	Final FTE Count	KEDNY %	KEDLI %	FTE Count by January 2017		FTE Count by July 2017		Mgmt / Rep	
							KEDNY FTE	KEDLI FTE	KEDNY FTE	KEDLI FTE		
1	KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Inspectors	2.0	100%	100%	-	2.0	-	2.0	Field Operations Inspector A	Union
1	KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Lead Program Manager	1.0	100%	100%	-	1.0	-	1.0	Lead Program Manager	Mgmt
1	KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Manager	1.0	100%	100%	-	1.0	-	1.0	Manager	Mgmt
1	KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Program Manager	2.0	100%	100%	-	2.0	-	2.0	Sr Program Manager	Mgmt
1	KEDLI	110-LNG/Propane-NY Downstate	LNG- Field Engineer	1.0	100%	100%	-	1.0	-	1.0	Engineer	Union
1	KEDLI	110-LNG/Propane-NY Downstate	LNG--Mechanics	3.0	100%	100%	-	3.0	-	3.0	FCM Mechanic	Union
1	KEDLI	110-LNG/Propane-NY Downstate	LNG- Techs	2.0	100%	100%	-	2.0	-	2.0	FCM Elec/Instrument Tech	Union
1	KEDLI	110-ops Support Services	Operations Support- ESRI Analyst	2.0	100%	100%	-	2.0	-	2.0	Sr Analyst	Mgmt
1	KEDLI	110-ops Support Services	Operations Support- Manager	0.5	100%	100%	-	0.5	-	0.5	Manager	Mgmt
1	KEDLI	110-ops Support Services	Operations Support- Mappers	7.0	100%	100%	-	7.0	-	7.0	Graphic Techn Sr 40 Hr	Union
1	KEDLI	110-ops Support Services	Operations Support- Permit Clerks	2.0	100%	100%	-	2.0	-	2.0	Operations Clerk	Union
1	KEDLI	120-Gas Pipeline Safety & Compliance	Process Safety- Analyst	0.5	100%	100%	-	0.5	-	0.5	Sr Analyst	Mgmt
1	KEDLI	120-Gas Pipeline Safety & Compliance	Process Safety- Director	0.5	100%	100%	-	0.5	-	0.5	Director	Mgmt
1	KEDLI	120-Gas Pipeline Safety & Compliance	Process Safety- Engineering	1.0	100%	100%	-	1.0	-	1.0	Engineer	Mgmt
1	KEDLI	120-Gas Pipeline Safety & Compliance	Process Safety- Lead Program Manager	1.0	100%	100%	-	1.0	-	1.0	Lead Program Manager	Mgmt
1	KEDLI	110-Complex, Project Mgmt	Project Controls- Analyst	1.0	100%	100%	-	1.0	-	1.0	Sr Analyst	Mgmt
1	KEDLI	110-Complex, Project Mgmt	Project Management- Project Manager	2.5	100%	100%	-	2.5	-	2.5	Sr Program Manager	Mgmt
1	KEDLI	110-Program Management	Resource Planning- Analyst	1.0	100%	100%	-	1.0	-	1.0	Sr Analyst	Mgmt
1	KEDLI	110-Program Management	Resource Planning- Coordinator	1.0	100%	100%	-	1.0	-	1.0	Sr Coordinator	Mgmt
1	KEDLI	110-Program Management	Resource Planning- Program Manager	3.5	100%	100%	-	3.5	-	3.5	Sr Program Manager	Mgmt
1	KEDLI	110-Program Management	Resource Planning- Report Analyst	1.0	100%	100%	-	1.0	-	1.0	Sr Analyst	Mgmt
1	KEDLI	110-Program Management	Resource Planning- Work Package Reviewer- Program Manager	1.0	100%	100%	-	1.0	-	1.0	Sr Program Manager	Mgmt
3	ServCo	Contact Ctr NYC	Incremental headcount driven by increased SL rest for call center	3.0	100%	0%	-	-	3.0	-	Union	Union
3	ServCo	Contact Ctr NYC	Incremental supervisor to maintain spans & controls	-	100%	0%	-	-	-	-	E - Supervisor	Mgmt
3	ServCo	Contact Ctr NYC	Incremental customer complaint analysts	1.0	0%	100%	-	-	-	1.0	E - Customer Complaint analyst	Mgmt
3	ServCo	Contact Ctr NYC	Brentwood Outreach	2.0	0%	100%	-	-	-	2.0	E - Consumer Advocate	Mgmt
4	ServCo	Contact Ctr NYC	Intern Sustainability Hub at Metrotech	1.0	100%	100%	-	-	-	1.0	Intern - Intern	Intern
12	KEDNY	SIR	SIR	2.0	100%	100%	-	-	2.0	-	D - Environmental Engineer (Project Manager), Analyst (financial)	Mgmt
8	ServCo	Technical Training	HR - Technical Training	1.0	66%	34%	1.0	1.0	1.0	1.0	E - Instructor	Mgmt
8	ServCo	Technical Training	HR - Technical Training	1.0	66%	34%	1.0	1.0	1.0	1.0	E - Designer	Mgmt
8	ServCo	Recruiting	Recruiting	1.0	14%	7%	1.0	1.0	1.0	1.0	E - Recruiting Specialist	Mgmt
8	ServCo	Recruiting	Recruiting	1.0	14%	7%	1.0	1.0	1.0	1.0	E - Recruiting Specialist	Mgmt
8	ServCo	Recruiting	Recruiting	1.0	14%	7%	1.0	1.0	1.0	1.0	E - Recruiting Specialist	Mgmt
8	ServCo	Strategic Workforce Customer Energy Procurement	HR - SWFP	1.0	14%	7%	1.0	1.0	1.0	1.0	D -Director Strategic Workforce Planning	Mgmt
13,14	ServCo	Customer	REV	1.0	50%	50%	1.0	1.0	1.0	1.0	D -Project Manager - Gas Rev Proposals	Mgmt
16	ServCo	Energy Procurement	Gas Procurement	1.0	35%	16%	1.0	1.0	1.0	1.0	D -	Mgmt
				380.0			266.3	130.7	270.3	133.7		
				380.0								

APPENDIX 7

Keyspan Gas East Corporation d/b/a National Grid
Gas Rate Base Regulatory Assets & Liabilities
For the Rate Year Ending December 31, 2016
(\$000's)

<u>Activity</u>	<u>Description</u>	<u>Avg Bal HYE</u> <u>9/30/2015</u>	<u>Actual</u> <u>Balance at</u> <u>9/30/2015</u>	<u>Forecast</u> <u>Balance at</u> <u>12/13/2016</u>	<u>Mechanism</u> <u>On Going /</u> <u>Discontinued</u>	<u>Carrying Charges</u>
Regulatory Assets & Liabilities with Proposed Surcharge with No Interest EXCLUDED from Rate Base						
U1823253	Pension Exp Deferred	\$ 40,821	\$ 44,041	\$ 54,761	On Going	None
U1823254	OPEB Exp Deferred	16,012	14,264	10,576	On Going	None
Total of Accounts w/ Recovery but NOT in Rate Base		<u>\$ 56,833</u>	<u>\$ 58,305</u>	<u>\$ 65,337</u>		
Regulatory Assets & Liabilities with Proposed Surcharge with Interest EXCLUDED in Rate Base						
U1823064	MGP Ins Cost Recovry	\$ 205,941	\$ 210,484	\$ 234,317	On Going	Yes - Pre Tax WACOC
U1823065	Cost to Achieve	115	-	-	Discontinued	Yes - Pre Tax WACOC
U1823067	Int on Def Reg Asset	30,568	30,212	30,858	On Going	N/A
U1823067SIR	Int on Def Reg Asset - Environmental	22,536	23,718	24,239	On Going	N/A
U1823068	Def Prop Tax Post 07	53,319	62,421	96,625	On Going	Yes - Pre Tax WACOC
U1823069	Rate Mitigation	28,662	29,675	32,209	Discontinued	Yes - Pre Tax WACOC
U1823284	TC IT Sharing	30,791	35,060	37,930	On Going	Yes - Pre Tax WACOC
U1823293	SIR Def 06G1185/86	1,608	-	-	On Going	Yes - Pre Tax WACOC
U1823310	TBA Amortization	5,667	11,000	16,000	Discontinued	Yes - Pre Tax WACOC
U1823733	Leak Prone Pipe Def	(525)	-	-	Discontinued	Yes - Pre Tax WACOC
U1823734	Network Expansion	(1,717)	-	-	Discontinued	Yes - Pre Tax WACOC
U2540065	Cost to Achieve	(1,029)	(2,854)	(7,702)	Discontinued	Yes - Pre Tax WACOC
U2540076	TAC Imbalance Refund	(1,632)	(1,169)	(729)	On Going	Yes - Pre Tax WACOC
U2540105	Excess Earnings	(6,813)	(6,813)	(6,813)	Discontinued	Yes - Pre Tax WACOC
U2540197	Rate Subj to Refund	(13,281)	(14,699)	(11,413)	Discontinued	Yes - Pre Tax WACOC
U2540205	Int on Deferred Item	(13,034)	(12,732)	(13,737)	On Going	N/A
U2540210	TBA-Amortization	3,333	-	-	Discontinued	Yes - Pre Tax WACOC
U2540213	GEBA-BNYCP Mgmt Fee	(15,750)	(17,250)	(21,000)	Discontinued	Yes - Pre Tax WACOC
U2540214	Gas East Balancing	(1,691)	(1,691)	(1,691)	Discontinued	Yes - Pre Tax WACOC
C2540217	EnviroRecoveries	(12)	-	-	On Going	Yes - Pre Tax WACOC
U2540217	Env Recoveries	(3,074)	(4,976)	(5,007)	On Going	Yes - Pre Tax WACOC
U2540222	MTA Gross Income	1,281	1,256	1,380	On Going	Yes - Pre Tax WACOC
U2540225	Prop Tax Exp-ServCo	(3,986)	(4,547)	(4,547)	Discontinued	Yes - Pre Tax WACOC
U2540232	Capital Tracker	(33,069)	(26,204)	(26,204)	Discontinued	Yes - Pre Tax WACOC
U2540293	SIR Def 06G1185/86	(20,520)	(38,176)	(90,867)	On Going	Yes - Pre Tax WACOC
U2540553	Gas Millennium Fund	(1,943)	(1,746)	(1,755)	On Going	Yes - Pre Tax WACOC
U2540605	Misc Penalties	(12,963)	(13,891)	(13,891)	On Going	Yes - Pre Tax WACOC
U2540710	Property Tax Exp Def	(5,061)	(5,061)	(5,061)	Discontinued	Yes - Pre Tax WACOC
U2540733	Leak Prone Pipe Def	(132)	(2,152)	(5,713)	Discontinued	Yes - Pre Tax WACOC
U2540734	Network Expansion	(394)	(9,464)	5,301	Discontinued	Yes - Pre Tax WACOC
Total of Accounts w/ Recovery but NOT in Rate Base		<u>\$ 247,194</u>	<u>\$ 240,401</u>	<u>\$ 262,727</u>		

Keyspan Gas East Corporation d/b/a National Grid
Gas Rate Base Regulatory Assets & Liabilities
For the Rate Year Ending December 31, 2016
(\$000's)

<u>Activity</u>	<u>Description</u>	<u>Avg Bal</u> <u>9/30/2015</u>	<u>Actual</u> <u>Balance at</u> <u>9/30/2015</u>	<u>Forecast</u> <u>Balance at</u> <u>12/13/2016</u>	<u>Mechanism</u> <u>On Going /</u> <u>Discontinued</u>	<u>Carrying Charges</u>
Other Regulatory Assets & Liabilities Included in Rate Base						
	None	\$ -	\$ -	\$ -	N/A	N/A
Subtotal Other Reg. Assets in Rate Base						
		\$ -	\$ -	\$ -		
Other Regulatory Assets & Liabilities Excluded from Rate Base						
U1823016	Def Pension/FAS 106	\$ (45,211)	\$ (48,329)	\$ (56,124)	Discontinued	Yes - Pre Tax WACOC
U1823026	Reg Assets - Legacy	18,976	15,007	5,220	Discontinued	None
U1823043	Asset Ret Obligation	10,963	8,319	8,512	On Going	None
U1823049	Deferred Gas Costs	451	9,180	19,276	On Going	None
U1823064	Environmental Reserve - Offset	63,994	66,167	42,030	On Going	None
U1823070	Gas Futures-Supply	13,079	16,418	14,666	On Going	None
U1823075	Temp St Assmnt 18-A	59	573	1,617	Discontinued	Yes - Pre Tax WACOC
U1823158	FAS158-Pension	57,232	65,377	62,508	On Going	None
U1823159	FAS158-OPEB	37,583	45,197	44,100	On Going	None
U1823193	Interest GAC Sur	14	-	-	On Going	N/A
U1823194	MFC-Merch Func Chrg	31	139	52	On Going	Yes - Pre Tax WACOC
U1823195	RDM Rev Decoupling	613	-	-	On Going	Yes - Pre Tax WACOC
U1823277	Energy Eff Prog	39	-	-	On Going	Yes - Other Customer Capital Rate
U1823281	OffSys Sales-Profit	4,583	-	-	On Going	Yes - Pre Tax WACOC
U1823282	Def GRI Surchr/Exp	12	-	-	Discontinued	Yes - Pre Tax WACOC
U1823285	PP VAC Trsp Rev	2,086	-	-	Discontinued	Yes - Pre Tax WACOC
U1823286	LIPA Transp Credits	565	-	-	Discontinued	Yes - Pre Tax WACOC
U1823300	GAC Imbalance	20,525	4,573	-	On Going	Yes - Other Customer Capital Rate
U2540002	Energy Efficiency	(4,401)	(3,163)	(4,749)	On Going	Yes - Other Customer Capital Rate
U2540008	Interest Deferd GAC	(17)	(159)	(427)	On Going	N/A
U2540009	Int Pipeline Refund	(11)	(1)	(1)	On Going	N/A
U2540010	Int Deferred TAC	(23)	(13)	(2)	On Going	N/A
U2540012	Revenue Decoupling	(15,400)	(6,225)	(6,547)	On Going	Yes - Pre Tax WACOC
U2540049	Deferred Gas Costs	(17,618)	-	-	On Going	None
U2540051	Pipeline Refunds	(334)	-	(106)	On Going	Yes - Pre Tax WACOC
U2540052	Marketer Pen Ref	(224)	(4)	(25)	On Going	Yes - Pre Tax WACOC
U2540053	GAC Imbalance Refund	(593)	(14,781)	(16,701)	On Going	Yes - Other Customer Capital Rate
U2540075	Temp Assesmnt 18-A	(5,957)	-	-	Discontinued	Yes - Pre Tax WACOC
U2540186	Wyman Unit 4 Sale (Low Income Program)	(35)	-	-	Discontinued	N/A
U2540194	Merchant Func Chrg	(1,363)	-	1,157	On Going	Yes - Pre Tax WACOC
U2540196	RDM Unbilled	(1,392)	(12,448)	(14,230)	On Going	Yes - Pre Tax WACOC
U2540216	OPEBLiabPost05/28/98	(29)	(29)	(29)	Discontinued	Yes - Pre Tax WACOC
U2540231	Del Rate Adj	(82,870)	(82,870)	(82,870)	Discontinued	Yes - Pre Tax WACOC
U2540236	Pens/OPEB Res Liab	(61,864)	(38,981)	(42,204)	On Going	Yes - Pre Tax WACOC
U2540274	Low Income Program	(7,688)	(7,584)	(8,016)	On Going	Yes - Pre Tax WACOC
U2540280	Int SBC Costs Def	(236)	(630)	(529)	On Going	N/A
U2540281	OffSys Sales-Profit	(203)	(2,671)	(4,733)	On Going	Yes - Pre Tax WACOC
U2540285	PP VAC Trsp Rev	(150)	(630)	(1,289)	Discontinued	Yes - Pre Tax WACOC
U2540286	LIPA Transp Credits	(4,405)	(1,416)	(2,075)	Discontinued	Yes - Pre Tax WACOC
U2540289	Int Low Inc Subsidy	(1,122)	(1,799)	(1,892)	On Going	N/A
U2540290	Def TC Penalty Chg	(87)	-	0	On Going	None
U2540569	Gas Futures-Gas Sply	(29,852)	(29,917)	(26,120)	On Going	None
U2540729	MFC - Imbalance	(1,544)	(3,023)	(2,491)	On Going	Yes - Pre Tax WACOC
U2540735	Interest MFC Imb Ref	(2)	(10)	(23)	On Going	None
		\$ (51,824)	\$ (23,733)	\$ (72,045)		
Other Assets & Liabilities Included in Rate Base						
C1810000	Unamortized Debt Exp	3,041	2,957	2,763	On Going	None
C1866122	Cost Sharing Agreement	899	657	922	On Going	None
C1866130	DD-Constr Advance	10	5	5	On Going	None
C2520100	Construction Advance	(2)	-	-	Discontinued	None
-	Rate Case Expense	-	-	1,106	On Going	None
Subtotal Other Reg. Liabilities in Rate Base						
		\$ 3,948	\$ 3,619	\$ 4,795		
Net Reg Assets & Liabilities Included in Rate Base						
		\$ 3,948	\$ 3,619	\$ 4,795		

Keyspan Gas East Corporation d/b/a National Grid
Example of Carrying Charges on Deferrals
(\$000's)

<u>Month</u>	(a) <u>Beginning Balance</u>	(b) <u>Spending in Excess of Threshold</u>	(c) <u>Interest Rate</u> 9.35%	(d) <u>Interest</u>	(e) <u>Ending Balance</u>
Jan-17	-	(479,166.67)	0.78%	(1,112.40)	(479,166.67)
Feb-17	(479,166.67)	(479,166.67)	0.78%	(3,337.19)	(958,333.34)
Mar-17	(958,333.34)	(479,166.67)	0.78%	(5,561.99)	(1,437,500.01)
Apr-17	(1,437,500.01)	(479,166.67)	0.78%	(7,786.79)	(1,916,666.68)
May-17	(1,916,666.68)	(479,166.67)	0.78%	(10,011.58)	(2,395,833.35)
Jun-17	(2,395,833.35)	(479,166.67)	0.78%	(12,236.38)	(2,875,000.02)
Jul-17	(2,875,000.02)	1,520,833.33	0.78%	(9,818.13)	(1,354,166.69)
Aug-17	(1,354,166.69)	1,520,833.33	0.78%	(2,756.81)	166,666.64
Sep-17	166,666.64	1,520,833.33	0.78%	4,304.50	1,687,499.97
Oct-17	1,687,499.97	520,833.33	0.78%	9,044.28	2,208,333.30
Nov-17	2,208,333.30	520,833.33	0.78%	11,462.54	2,729,166.63
Dec-17	2,729,166.63	520,833.37	0.78%	13,880.80	3,250,000.00
				<u>(13,929.16)</u>	

Column Notes:

- Column (a) Prior month Column (e)
- Column (b) Actual monthly deferred spending
- Column (c) Pre-Tax WACC of 9.35% divided by 12
- Column (d) Column (c) times (Column (a) + Column (b) / 2) * 59.59%
- Column (e) Column (a) + Column (b) - NOTE interest will be booked it a separate deferral account with interest

Note: This example calculation is for a deferral that carrying charges can be calculated monthly. Some carrying charges will be applied on an annual basis and would use the annual carrying charge rate.

KeySpan Gas East Corporation d/b/a National Grid
Deferral of Pension and OPEB Expense
Illustrative Example
(\$000's)

PENSION EXAMPLE

	<u>Pension Rate Year One</u>	<u>Pension Rate Year Two</u>	<u>Pension Rate Year Three</u>
1 Actual Expense	\$ 15,000	\$ 16,000	\$ 12,000
2 Rate Allowance	<u>\$ 18,519</u>	<u>\$ 14,902</u>	<u>\$ 10,800</u>
3 Amount Deferred to (from) customers	<u><u>\$ 3,519</u></u>	<u><u>\$ (1,098)</u></u>	<u><u>\$ (1,200)</u></u>

Notes (by line number)

- 1 Actual expense. See Joint Proposal Section 6.1.1.
- 2 Forecasted Rate Year expense. See Page 2 of 2, Line 3
- 3 Line 2 less Line 1

OPEB EXAMPLE

	<u>OPEB Rate Year One</u>	<u>OPEB Rate Year Two</u>	<u>OPEB Rate Year Three</u>
4 Actual Expense	\$ 12,000	\$ 10,000	\$ 8,500
5 Rate Allowance	<u>\$ 10,637</u>	<u>\$ 9,502</u>	<u>\$ 9,318</u>
6 Amount Deferred to (from) customers	<u><u>\$ (1,363)</u></u>	<u><u>\$ (498)</u></u>	<u><u>\$ 818</u></u>

Notes (by line number)

- 4 Actual expense. See Joint Proposal Section 6.1.1.
- 5 Forecasted Rate Year expense. See Page 2 of 2, Line 6
- 6 Line 5 less Line 4

KeySpan Gas East Corporation d/b/a National Grid
Pension & OPEB Expense
Final Settlement
For the Rate Years Ending December 31, 2017, December 31, 2018, and December 31, 2019
(\$000's)

		Rate Year Ending December 31st, 2017	Rate Year Ending December 31st, 2018	Rate Year Ending December 31st, 2019
Pension				
1	Forecasted Actuarial Expense	17,966.11	14,299.60	10,165.80
2	Incremental Staff	553.0	602.6	634.6
3	Total	<u>18,519.11</u>	<u>14,902.20</u>	<u>10,800.40</u>
		Rate Year Ending December 31st, 2017	Rate Year Ending December 31st, 2018	Rate Year Ending December 31st, 2019
OPEB				
4	Forecasted Actuarial Expense	9,958.40	8,763.01	8,539.59
5	Incremental Staff	678.3	739.2	778.4
6	Total	<u>10,636.70</u>	<u>9,502.21</u>	<u>9,317.99</u>

Notes (by line number)

- 1 See Exhibit____(RRP-3), Schedule 16
- 2 See Exhibit____(RRP-3), Schedule 27
- 3 Line 1 + Line 2
- 4 See Exhibit____(RRP-3), Schedule 11
- 5 See Exhibit____(RRP-3), Schedule 27
- 6 Line 4 + Line 5

Keyspan Gas East Corporation d/b/a National Grid
Deferral of Low Income Discount Program
Illustrative Example
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 5,000	\$ 7,000	\$ 8,000
2 Rate Allowance	<u>\$ 5,440</u>	<u>\$ 6,561</u>	<u>\$ 6,561</u>
3 Amount Deferred to (from) customers	<u>\$ 440</u>	<u>\$ (439)</u>	<u>\$ (1,439)</u>

Notes (by line number)

- 1 Actual expense
- 2 Forecasted Rate Year expense. See Joint Proposal Section V. 6.1.2
- 3 Line 2 less Line 1

KeySpan Gas East Corporation d/b/a National Grid
Deferral of Site Investigation and Remediation (SIR) Expense
Illustrative Example
(\$000's)

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 14,000	\$ 6,000	\$ 5,000
2 Rate Allowance	<u>\$ 13,402</u>	<u>\$ 7,442</u>	<u>\$ 4,648</u>
3 Amount Deferred to (from) customers	<u>\$ (598)</u>	<u>\$ 1,442</u>	<u>\$ (352)</u>

Notes (by line number)

- 1 Actual Costs - Provided by Environmental Group
- 2 Forecasted Rate Year expense. See Joint Proposal Section 6.1.4
- 3 Line 2 less Line 1

Keyspan Gas East Corporation d/b/a National Grid
Deferral of Property Tax Expense
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 130,000.0	\$ 160,000.0	\$ 180,000.0
2 Rate Allowance	<u>\$ 139,791.7</u>	<u>\$ 148,748.4</u>	<u>\$ 157,923.2</u>
3 Under (over) spending	\$ 9,791.7	\$ (11,251.6)	\$ (22,076.8)
4 Customer share of under (over) spending	<u>85%</u>	<u>85%</u>	<u>85%</u>
5 Amount Deferred to (from) Customers	<u><u>\$ 8,322.9</u></u>	<u><u>\$ (9,563.9)</u></u>	<u><u>\$ (18,765.3)</u></u>

In the event that KEDLI does not file for new rates to be effective on or before July 1, 2020, then the property tax reconciliation will be modified to be downward only.

Notes (by line number)

1. Input - Actual Costs
2. Forecasted Rate Year Expense. See Joint Proposal Section 6.1.5
3. Line 2 less Line 1 (Difference between actual expense and rate allowance)
4. Deferral for under (over) spending will be based on 85% customer and 15% company basis.
5. Line 3 times Line 4

Keyspan Gas East Corporation d/b/a National Grid
Deferral of Economic Development Grant Program
Illustrative Example
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 900	\$ 3,100 *	\$ 2,000
2 Rate Allowance	<u>\$ 2,000</u>	<u>\$ 2,000</u>	<u>\$ 2,000</u>
3 Amount Deferred to (from) customers	<u><u>\$ 1,100</u></u>	<u><u>\$ (1,000)</u></u>	<u><u>\$ -</u></u>

* - Capped at 3,000 each year

Downward Only cumulative over term of rate plan

Notes (by line number)

- 1 Actual expense
- 2 Forecasted Rate Year expense. See Joint Proposal Section V. 6.1.9
- 3 Line 2 less Line 1

Keyspan Gas East Corporation d/b/a National Grid
Gas Net Utility Plant and Depreciation Expense Reconciliation
Gas Revenue Requirement Target
For the Rate Years Ending December 31, 2017, December 31, 2018, and December 31, 2019
(\$000's)

	Rate Year Ending December 31, 2017					
	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$ 3,797,751	\$ 25,970	\$ (845,795)	\$ 2,977,927	\$ 66,943
Pre-Tax WACC					9.35%	
Total Revenue Requirement Target	<u>\$ 345,358</u>				<u>\$ 278,415</u>	<u>\$ 66,943</u>
Estimated Actual Results		\$ 3,800,000	\$ 26,000	\$ (847,000)	\$ 2,979,000	\$ 67,000
Pre-Tax WACC					9.35%	
Total Revenue Requirement Actuals	<u>\$ 345,516</u>				<u>\$ 278,516</u>	<u>\$ 67,000</u>
Actuals higher/(lower) than Target	<u>\$ 157</u>					
	Rate Year Ending December 31, 2018					
	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$ 4,084,138	\$ 32,497	\$ (870,081)	\$ 3,246,554	\$ 71,395
Pre-Tax WACC					9.35%	
Total Revenue Requirement Target	<u>\$ 374,925</u>				<u>\$ 303,530</u>	<u>\$ 71,395</u>
Estimated Actual Results		\$ 4,084,000	\$ 31,000	\$ (870,000)	\$ 3,245,000	\$ 71,000
Pre-Tax WACC					9.35%	
Total Revenue Requirement Actuals	<u>\$ 374,385</u>				<u>\$ 303,385</u>	<u>\$ 71,000</u>
Actuals higher/(lower) than Target	<u>\$ (540)</u>					
	Rate Year Ending December 31, 2019					
	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$ 4,377,957	\$ 43,942	\$ (896,154)	\$ 3,525,745	\$ 76,052
Pre-Tax WACC					9.33%	
Total Revenue Requirement Target	<u>\$ 404,979</u>				<u>\$ 328,927</u>	<u>\$ 76,052</u>
Estimated Actual Results		\$ 4,400,000	\$ 45,000	\$ (897,000)	\$ 3,548,000	\$ 77,000
Pre-Tax WACC					9.33%	
Total Revenue Requirement Actuals	<u>\$ 408,003</u>				<u>\$ 331,003</u>	<u>\$ 77,000</u>
Actuals higher/(lower) than Target	<u>\$ 3,025</u>					
3 Year Cumulative Revenue Requirement Actuals	\$ 1,127,904					
3 Year Cumulative Revenue Requirement Target	\$ 1,125,262					
3 Year Cumulative Actuals higher/(lower) than Target	<u>\$ 2,642</u>					

Note: Downward only reconciliation - no amounts due from customer if actuals are higher than target
In years that the incremental LPP replacement surcharge is applicable, the net plant and depreciation components of the LPP surcharge included in the Gas Safety and Reliability Surcharge will be added to the overall Net Utility Plant and Depreciation Expense Mechanism target to avoid any double recovery of the cost associate with incremental LPP miles.

Keyspan Gas East Corporation d/b/a National Grid
Monthly Balances of Gas Net Utility Plant
Rate Year Ending December 31, 2017
(\$000's)

Balance at Month End		Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Depreciation (e)
1	Dec-16 (1/2 month)	\$ 1,837,442	\$ 13,167	\$ (415,681)	\$ 1,727,438	
2	Jan-17	\$ 3,696,203	\$ 25,319	\$ (833,615)	\$ 3,479,085	\$ 5,431
3	Feb-17	\$ 3,722,346	\$ 21,581	\$ (835,654)	\$ 3,502,636	\$ 5,459
4	Mar-17	\$ 3,746,776	\$ 21,259	\$ (837,347)	\$ 3,534,246	\$ 5,493
5	Apr-17	\$ 3,768,390	\$ 20,018	\$ (839,873)	\$ 3,563,046	\$ 5,523
6	May-17	\$ 3,785,929	\$ 20,574	\$ (842,729)	\$ 3,618,988	\$ 5,551
7	Jun-17	\$ 3,798,532	\$ 22,664	\$ (846,096)	\$ 3,653,575	\$ 5,574
8	Jul-17	\$ 3,821,203	\$ 22,809	\$ (848,256)	\$ 3,690,717	\$ 5,591
9	Aug-17	\$ 3,835,078	\$ 25,261	\$ (851,398)	\$ 3,724,903	\$ 5,621
10	Sep-17	\$ 3,851,251	\$ 28,648	\$ (854,014)	\$ 3,765,092	\$ 5,640
11	Oct-17	\$ 3,868,065	\$ 33,414	\$ (856,285)	\$ 3,797,716	\$ 5,662
12	Nov-17	\$ 3,887,924	\$ 37,192	\$ (858,285)	\$ 3,848,815	\$ 5,685
13	Dec-17 (1/2 month)	\$ 1,953,870	\$ 19,735	\$ (430,304)	\$ 1,961,021	\$ 5,712
14	Total Gas (Sum of Lines 1 to 13)	45,573,010	311,643	(10,149,535)	43,867,278	66,943
15	Average Monthly Balance (Line 16 / 12)	\$ 3,797,751	\$ 25,970	\$ (845,795)	\$ 3,655,606	

Keyspan Gas East Corporation d/b/a National Grid
Monthly Balances of Gas Net Utility Plant
Data Year Ending December 31, 2018
(\$000's)

Balance at Month End		Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Depreciation (e)
1	Dec-17 (1/2 month)	\$ 1,953,870	\$ 19,735	\$ (430,304)	\$ 1,961,021	
2	Jan-18	\$ 3,932,602	\$ 39,844	\$ (862,419)	\$ 3,953,094	\$ 5,740
3	Feb-18	\$ 3,962,491	\$ 36,818	\$ (864,152)	\$ 3,983,663	\$ 5,773
4	Mar-18	\$ 4,032,481	\$ 26,469	\$ (860,900)	\$ 4,043,711	\$ 5,813
5	Apr-18	\$ 4,056,463	\$ 25,085	\$ (863,462)	\$ 4,079,386	\$ 5,900
6	May-18	\$ 4,079,406	\$ 24,817	\$ (865,989)	\$ 4,119,279	\$ 5,928
7	Jun-18	\$ 4,095,199	\$ 26,743	\$ (869,255)	\$ 4,160,709	\$ 5,956
8	Jul-18	\$ 4,124,172	\$ 26,006	\$ (870,946)	\$ 4,204,865	\$ 5,978
9	Aug-18	\$ 4,138,743	\$ 29,057	\$ (874,235)	\$ 4,244,699	\$ 6,015
10	Sep-18	\$ 4,156,095	\$ 32,858	\$ (876,935)	\$ 4,291,898	\$ 6,036
11	Oct-18	\$ 4,174,120	\$ 38,059	\$ (879,257)	\$ 4,329,872	\$ 6,059
12	Nov-18	\$ 4,195,585	\$ 42,204	\$ (881,263)	\$ 4,391,069	\$ 6,084
13	Dec-18 (1/2 month)	\$ 2,108,430	\$ 22,270	\$ (441,852)	\$ 2,255,071	\$ 6,113
14	Total Gas (Sum of Lines 1 to 13)	49,009,656	389,966	(10,440,971)	50,018,337	71,395
15	Average Monthly Balance (Line 16 / 12)	\$ 4,084,138	\$ 32,497	\$ (870,081)	\$ 4,168,195	

Keyspan Gas East Corporation d/b/a National Grid
Monthly Balances of Gas Net Utility Plant
Data Year Ending December 31, 2019
(\$000's)

Balance at Month End		Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Depreciation (e)
1	Dec-18 (1/2 month)	\$ 2,108,430	\$ 22,270	\$ (441,852)	\$ 2,255,071	
2	Jan-19	\$ 4,242,792	\$ 45,227	\$ (885,647)	\$ 4,541,460	\$ 6,142
3	Feb-19	\$ 4,273,826	\$ 42,343	\$ (887,571)	\$ 4,572,273	\$ 6,177
4	Mar-19	\$ 4,317,969	\$ 39,990	\$ (887,215)	\$ 4,629,980	\$ 6,218
5	Apr-19	\$ 4,342,161	\$ 38,615	\$ (890,007)	\$ 4,665,650	\$ 6,274
6	May-19	\$ 4,366,237	\$ 38,067	\$ (892,663)	\$ 4,705,919	\$ 6,305
7	Jun-19	\$ 4,382,596	\$ 39,888	\$ (896,114)	\$ 4,743,913	\$ 6,337
8	Jul-19	\$ 4,413,472	\$ 38,744	\$ (897,818)	\$ 4,786,534	\$ 6,360
9	Aug-19	\$ 4,429,253	\$ 41,568	\$ (901,202)	\$ 4,825,152	\$ 6,400
10	Sep-19	\$ 4,447,699	\$ 45,414	\$ (903,930)	\$ 4,870,916	\$ 6,421
11	Oct-19	\$ 4,466,433	\$ 50,983	\$ (906,248)	\$ 4,908,575	\$ 6,446
12	Nov-19	\$ 4,489,031	\$ 55,270	\$ (908,230)	\$ 4,971,020	\$ 6,471
13	Dec-19 (1/2 month)	\$ 2,255,582	\$ 28,928	\$ (455,351)	\$ 2,501,838	\$ 6,501
14	Total Gas (Sum of Lines 1 to 13)	52,535,483	527,307	(10,753,848)	56,978,300	76,052
15	Average Monthly Balance (Line 16 / 12)	\$ 4,377,957	\$ 43,942	\$ (896,154)	\$ 4,748,192	

Keyspan Gas East Corporation d/b/a National Grid
Deferral of Variable Pay Expense
(\$000's)

	<u>Rate Year Ending December 31, 2017</u>	<u>Data Year Ending December 31, 2018</u>	<u>Data Year Ending December 31, 2019</u>
1 Actual Expense	\$ 4,000.0	\$ 4,600.0	\$ 5,000.0
2 Rate Allowance	<u>\$ 4,253.9</u>	<u>\$ 4,388.1</u>	<u>\$ 4,519.3</u>
3 Amount Deferred to Customers	<u>\$ 253.9</u>	<u>\$ -</u>	<u>\$ -</u>

If the actual expense is greater than the rate allowance, there is no additional recovery from customers. This is a downward only reconciliation.

Line Notes

- 1 Input Actual costs - Under the Company's management variable pay program (Annual Performance Plan) the evaluation period is on a fiscal year basis ending March.
Variable pay expense is accrued monthly, with the final accrual in March reconciling the annual variable pay total to the expected pay out in June.
- 2 Forecasted Rate Year and Data Years Variable Pay Expense
- 3 Line 2 less Line 1 (if Line 2 is greater than Line 1)

Keyspan Gas East Corporation d/b/a National Grid
Deferral of Customer Conversion Rebate Program
Illustrative Example
(\$000's)

EXAMPLE

	<u>Rate Year One</u>	<u>Rate Year Two</u>	<u>Rate Year Three</u>
1 Actual Expense	\$ 150	\$ 250	\$ 100
2 Rate Allowance	<u>\$ 200</u>	<u>\$ 200</u>	<u>\$ 200</u>
3 Amount Deferred to (from) customers	<u>\$ 50</u>	<u>\$ -</u>	<u>\$ 100</u>

Downward only reconciliation

If the actual expense is greater than the rate allowance, the Company may petition the Commission for deferral treatment

Notes (by line number)

- 1 Actual expense
- 2 Forecasted Rate Year expense. See Joint Proposal Section IV. 6.2.5
- 3 Line 2 less Line 1

KeySpan Gas East Corporation d/b/a National Grid

Proposed KEDLI Low Income Energy Efficiency Program – Program Design Details

Eligibility & Target Market

Eligibility will be determined at the time the customer applies for benefits, and will be based upon eligibility for benefits under the Company's current low income programs (*i.e.*, Reduced Residential Rate).

Tier One

The Tier One objective will be customer outreach, engagement, and education through traditional utility channels, marketing campaigns, and local community events. Tier One will drive behavioral energy efficiency and encourage customers to participate in the Tier Two offering.

Tier Two

Tier Two will include the following at no additional cost to participating customers:

- a home energy assessment;
- a health and safety survey;
- a customer interview about energy usage and home comfort; and
- direct installation of energy efficiency measures (such as pipe insulation for domestic hot water heaters and water flow restrictors).

Tier Three

The Tier Three offering will focus on measures recommended from Tier Two's home energy assessment, such as thermostats, the replacement of appliances like stoves and gas dryers, and weatherization measures. Funding for Tier Three is expected to come largely from the program budget, but will also work with other organizations to leverage existing funds.

Tier Four

Tier Four will be available for customers that install custom efficiency measures, require more extensive work on the home, or install certain quality of life measures. If the contractor determines that the location of existing equipment raises resiliency concerns (e.g., a boiler or hot water heater located in a basement below sea level that is at risk for flooding), KEDLI may provide additional funding to relocate equipment as part of equipment replacement. The relocation may involve more extensive home repair or preparation of a new space to accommodate such equipment. Funding for Tier Four may be provided in whole or in part by the Company, depending on the availability of other funding sources, financing opportunities, and budget.

Keyspan Gas East Corporation d/b/a National Grid
Empower Replacement Program

EXAMPLE

	Number of Households Served	Approx. Cost per Household	Est. Aggregate Cost per Tier
	(a)	(b)	(c)
Tier Two	1,500	\$ 200	\$ 300,000
Tier Three	500	\$ 1,000	\$ 500,000
Tier Four	130	\$ 5,000	\$ 650,000
		Expenditures	\$ 1,450,000
		Budget	\$ 1,755,458

EAM % for Tier	EAM Per Household Served (EAM % * Annual Budget)	Total EAM for Each Tier (EAM per Household * Number Households Served)
(d)	(e)	(f)
	\$ -	\$ -
0.0070%	\$ 122.88	\$ 61,441
0.014%	\$ 245.76	\$ 31,949
	Total Rate Year 1 EAM	\$ 93,390

- (a) Estimate of actual households
- (b) Estimate of cost per household
- (c) Column (a) times Column (b)
- (d) Settled ratio
- (e) Column (c) Budget line times Column (d)
- (f) Column (a) times Column (e)

Keyspan Gas East Corporation d/b/a National Grid
Gas Safety and Reliability Surcharge
Example of All Components of Gas Safety and Reliability Surcharge (GSRS)
(000)

	Page Reference	Rate Year CY 2017	Rate Year CY 2018	Rate Year CY 2019
Recovery of Incremental LPP Proactive Replacement Costs	Page 2-4	\$564	\$648	\$3,142
Positive Revenue Adjustment - LPP Removal Incentive	Page 6	\$1,480	\$0	\$1,850
Positive Revenue Adjustment - LPP Productivity Incentive	Page 7	\$0	\$740	\$0
Recovery of Incremental Leak Repair Costs	Page 8	\$0	\$449	\$818
Positive Revenue Adjustment - Leak Repair Incentive	Page 8	\$0	\$370	\$925
Total Gas and Safety Surcharge		<u>\$2,044</u>	<u>\$2,207</u>	<u>\$6,736</u>

Keyspan Gas East Corporation d/b/a National Grid
Gas Safety and Reliability Surcharge (GSRS)
Example of Recovery of Incremental Leak, Prone Pipe (LPP) Proactive Replacement Costs
(000)

LPP Rate Allowance and Example Assumptions for Illustrative Purposes of the Recovery of Incremental Costs and the Removal and Productivity Incentives:		[-----RATE ALLOWANCE-----]		[-----EXAMPLE ASSUMPTIONS FOR ILLUSTRATIVE PURPOSES-----]	
Rate Year	Cumulative Proactive Repl. Threshold (Miles)	Rate Allowance Capital Average Unit Cost	Example for Illustrative Purposes Cumulative (Miles)	Example for Illustrative Purposes Annual Incremental Miles Subject to GSRS	Example for Illustrative Purposes Capital Average Unit Cost
CY 2017	107	\$226	112	5	\$230
CY 2018	234	\$236	406	5	\$228
CY 2019	381	\$242		20	\$270
				185	
				740	
					Example for Illustrative Purposes D&R Average Unit Cost \$1,600
					Example for Illustrative Purposes D&R Average Unit Cost \$1,900

[-----RATE ALLOWANCE-----]													[-----EXAMPLE FOR ILLUSTRATIVE PURPOSES-----]												
Rate Allowance - 107 Miles Proactive Replacement at \$226 Average Unit Cost													Example of 5 Incremental Miles at \$230 Average Unit Cost and 185 Incremental D&R's at \$1,600												
Capital Expend. Closes To Plant													Capital Expend. Closes To Plant												
Rate Year	In-Service (Note 1)	Plant Balance (b)	Depreciation Expense (Note 2)	Accumulated Depreciation Reserve Balance (d)	Net Utility D&R Average Unit Cost (e)	Pre-Tax WACC 9.35% (Note 3) (f)	Opex (g)	Total Requirement (e)+(f)+(g) (h)	In-Service (Note 1)	Plant Balance (i)	Depreciation Expense (Note 2)	Accumulated Depreciation Reserve Balance (l)	Net Utility (j) + (i)	Pre-Tax WACC 9.35% (Note 3) (n)	Opex (o)	Total Requirement (k)+(l)+(m)+(n)+(o) (p)									
Dec-2016	0	0	0	0	\$1,612	0	0	0	0	0	0	0	0	0	0	0									
Jan-2017	8,028	8,028	0	0	8,028	63	382	382	382	0	0	0	382	3	3	382									
Feb-2017	3,712	11,740	10	-10	11,731	91	558	177	558	0	0	0	558	4	4	558									
Mar-2017	10,703	22,444	14	-24	22,420	175	1,067	509	1,067	1	1	-1	1,066	8	8	1,066									
Apr-2017	5,538	27,982	27	-51	27,932	218	1,331	263	1,331	1	1	-2	1,328	10	10	1,328									
May-2017	8,745	36,727	33	-84	36,643	285	1,747	416	1,747	2	2	-4	1,743	14	14	1,743									
Jun-2017	9,614	46,342	44	-128	46,214	360	2,204	457	2,204	2	2	-6	2,198	17	17	2,198									
Jul-2017	11,431	57,773	55	-183	57,590	449	2,747	544	2,747	3	3	-9	2,739	21	21	2,739									
Aug-2017	9,768	67,541	69	-253	67,288	524	3,212	465	3,212	3	3	-12	3,200	25	25	3,200									
Sep-2017	13,579	81,120	81	-333	80,787	629	3,858	646	3,858	4	4	-16	3,842	30	30	3,842									
Oct-2017	16,845	97,965	97	-431	97,534	760	4,659	801	4,659	5	5	-20	4,639	36	36	4,639									
Nov-2017	18,722	116,687	117	-548	116,139	905	5,549	890	5,549	6	6	-26	5,523	43	43	5,523									
Dec-2017	10,994	127,681	140	-688	126,993	495	6,072	523	6,072	7	7	-33	6,039	24	24	6,039									
	\$127,681		\$688		\$2,984	\$4,954	\$6,365	\$12,006	\$6,072		\$33		2,520	\$236	\$296	\$564									
Miles	107		107						5				Incremental D&R cost		6,614										
Feet	564,960		564,960						26,400				Incremental D&R's		185										
D&R's (forecast assumes 0.7% per foot)	\$226		\$226						\$230 ok, under cap				Actual # of D&R's		4,134										
Unit Cost per Foot	\$231		\$1,644						\$231 2% Cap on Unit Cost				Actual D&R unit cost		\$1,600 ok, under cap										
2% Cap on Unit Cost			\$1,644						\$231 2% Cap on Unit Cost				2% Cap on Unit Cost		\$1,644										

Keyspan Gas East Corporation d/b/a National Grid
Gas Safety and Reliability Surcharge (GSRS)
Example of Recovery of Incremental Leak, Prone Pipe (LPP) Proactive Replacement Costs
(000)

CY 2018	RATE ALLOWANCE											EXAMPLE FOR ILLUSTRATIVE PURPOSES										
	Rate Allowance - 127 Miles Proactive Replacement at \$236 Average Unit Cost											Example of No Incremental Miles and 40 Incremental D&R's at \$1,900										
	Capital Expend. Closes		Plant Balance (b)	Depreciation Expense (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) + (d)	Pre - Tax WACC 9.35% (Note 3) (f)	Opex (g)	Total Revenue Require- ment (h)	Capital Expend. Closes		Plant Balance (i)	Depreciation Expense (Note 2) (k)	Accumulated Depreciation Reserve Balance (l)	Net Utility Plant (m) + (l)	Pre - Tax WACC 9.35% (Note 3) (n)	Opex (o)	Total Revenue Require- ment (p)	Maximum Amount Subject to Surcharge (Note 4)			
To Plant In-Service (Note 1) (a)	In-Service (Note 1) (t)	To Plant In-Service (Note 1) (u)								Plant Balance (j)												
Dec-2017		127,681		-688	126,993	495					6,072		-33	6,039	24							
Jan-2018	13,264	140,945	153	-840	140,105	1,092			0	0	6,072	7	-40	6,032	47							
Feb-2018	6,133	147,077	169	-1,009	146,068	1,138			0	0	6,072	7	-47	6,025	47							
Mar-2018	17,684	164,761	176	-1,185	163,576	1,274			0	0	6,072	7	-54	6,018	47							
Apr-2018	6,377	171,138	197	-1,382	169,756	1,323			0	0	6,072	7	-62	6,010	47							
May-2018	10,969	181,208	205	-1,587	179,620	1,399			0	0	6,072	7	-69	6,003	47							
Jun-2018	11,070	192,278	217	-1,804	190,474	1,484			0	0	6,072	7	-76	5,996	47							
Jul-2018	13,162	205,440	230	-2,034	203,406	1,585			0	0	6,072	7	-84	5,988	47							
Aug-2018	11,247	216,687	246	-2,280	214,406	1,670			0	0	6,072	7	-91	5,981	47							
Sep-2018	15,636	232,322	259	-2,540	229,783	1,790			0	0	6,072	7	-98	5,974	47							
Oct-2018	19,395	251,718	278	-2,818	248,900	1,939			0	0	6,072	7	-105	5,967	46							
Nov-2018	21,556	273,274	301	-3,119	270,155	2,105			0	0	6,072	7	-113	5,959	46							
Dec-2018	12,659	285,933	327	-3,446	282,487	1,100			0	0	6,072	7	-120	5,952	23							
	\$158,252		\$2,759		196,749	\$18,395		\$28,859	\$0	\$0		\$87		5,996	\$561	\$0	\$648					
Miles	127							127		0				Incremental D&R cost	8,906		0	N/A, since 0 incremental miles				
Feet	670,560							670,560		0				Incremental D&R's	0		0	N/A, since 0 incremental miles				
D&R's (forecast assumes 0.7% per foot)	\$236					0.7%		4,687						Actual # of D&R's	4,687							
Unit Cost per Foot	\$241							\$1,644		\$228				Actual D&R unit cost	\$1,900			N/A, since 0 incremental miles				
2% Cap on Unit Cost								\$1,677		\$241				2% Cap on Unit Cost	\$1,677							

Keyspan Gas East Corporation d/b/a National Grid
Gas Safety and Reliability Surcharge (GSRS)
Example of Recovery of Incremental Leak, Prone Pipe (LPP) Proactive Replacement Costs
(000)

EXAMPLE FOR ILLUSTRATIVE PURPOSES																		
Rate Allowance - 147 Miles Proactive Replacement at \$242 Average Unit Cost						Example of 20 Incremental Miles at \$270 Average Unit Cost and 740 Incremental D&R's at \$1,900												
Capital Expend.																		
	To Plant In-Service (Note 1)	Plant Balance (b)	Depreciation Expense 1.44% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)	Pre-Tax WACC 9.33% (Note 3) (f)	Opex (g)	Total Revenue Requirement (h)	To Plant In-Service (Note 1) (i)	Plant Balance (j)	Depreciation Expense 1.44% (Note 2) (k)	Accumulated Depreciation Reserve Balance (l)	Net Utility Plant (m)	Pre-Tax WACC 9.33% (Note 3) (n)	Opex (o)	Total Revenue Requirement (p)	Maximum Amount Subject to Surcharge (Note 4)	
CY 2019																		
Dec-2018		285,933		-3,446	282,487	1,098				6,072		-120	5,952	23				
Jan-2019	15,743	301,676	342	-3,788	297,888	2,316			2,185	8,257		-127	8,130	63				
Feb-2019	7,279	308,955	361	-4,149	304,805	2,370			1,010	9,267	7	-137	9,130	71				
Mar-2019	20,989	329,944	370	-4,519	325,424	2,530			2,913	12,180	10	-148	12,031	94				
Apr-2019	7,569	337,513	395	-4,914	332,598	2,586			1,050	13,230	15	-163	13,067	102				
May-2019	11,951	349,464	404	-5,318	344,146	2,676			1,659	14,889	16	-179	14,710	114				
Jun-2019	13,139	362,603	418	-5,737	356,867	2,774			1,823	16,712	18	-196	16,516	128				
Jul-2019	15,622	378,226	434	-6,171	372,055	2,893			2,168	18,880	20	-216	18,664	145				
Aug-2019	13,349	391,575	453	-6,623	384,951	2,993			1,852	20,732	23	-239	20,493	159				
Sep-2019	18,558	410,133	469	-7,092	403,041	3,133			2,575	23,308	25	-264	23,044	179				
Oct-2019	23,020	433,153	491	-7,583	425,570	3,309			3,195	26,503	28	-292	26,211	204				
Nov-2019	25,585	458,739	518	-8,101	450,637	3,503			3,551	30,053	32	-323	29,730	231				
Dec-2019	15,025	473,764	549	-8,651	465,113	1,808			2,085	32,138	36	-359	31,779	124				
		\$187,831		\$5,205	364,315	\$33,988		\$48,290	\$26,066		\$240			17,549	\$1,637	\$1,266	\$3,142	
Miles	147								20									
Feet	776,160								105,600									
D&R's (forecast assumes 0.7% per foot)	\$242								\$270 over cap - limit to \$247									
Unit Cost per Foot	\$247								\$247 2% Cap on Unit Cost									
2% Cap on Unit Cost																		
D& R Opex in Rate Allowance																		
CY Totals			6,365	7,706	9,098													
Notes and Assumptions:																		
1) LPP proactive replacement capital expenditures in base rates total \$127,681 million (107 miles) in CY 2017, \$158,252 (127 miles) million in CY 2018 and \$187,831 million (147 miles) in CY 2019. Revenue requirement assumes capital expenditures are placed in-service in the month spent.																		
2) Depreciation is based on the Depreciation Study recommended composite depreciation rate for mains and services based on 12/31/2015 plant balances.																		
3) Utilizes pre-tax WACC by calendar year per Settlement ROE of 9%.																		
4) The amount subject to surcharge is limited to the Company's average costs of main replacement and for D&R's allowed in rate allowance, subject to a 2% cap																		
5) The CY 2017 incremental mileage spend will be rolled forward to the CY 2018 and CY 2019 surcharges, calculating a return on the net plant investment and associated depreciation expense.																		
6) The CY 2018 incremental mileage spend will be rolled forward to the CY 2019 surcharge, calculating a return on the net plant investment and associated depreciation expense.																		

	CY 2017	CY 2018	CY 2019
D& R Opex in Rate Allowance			
CY Totals	6,365	7,706	9,098

Notes and Assumptions:

- LPP proactive replacement capital expenditures in base rates total \$127,681 million (107 miles) in CY 2017, \$158,252 (127 miles) million in CY 2018 and \$187,831 million (147 miles) in CY 2019. Revenue requirement assumes capital expenditures are placed in-service in the month spent.
- Depreciation is based on the Depreciation Study recommended composite depreciation rate for mains and services based on 12/31/2015 plant balances.
- Utilizes pre-tax WACC by calendar year per Settlement ROE of 9%.
- The amount subject to surcharge is limited to the Company's average costs of main replacement and for D&R's allowed in rate allowance, subject to a 2% cap
- The CY 2017 incremental mileage spend will be rolled forward to the CY 2018 and CY 2019 surcharges, calculating a return on the net plant investment and associated depreciation expense.
- The CY 2018 incremental mileage spend will be rolled forward to the CY 2019 surcharge, calculating a return on the net plant investment and associated depreciation expense.

Keyspan Gas East Corporation d/b/a National Grid
Gas Safety and Reliability Surcharge
D&R Cost of Incremental LPP Proactive Mileage in Rate Allowance

	FY17	CY17	CY18	CY19
LPP Proactive Miles		107	127	147
LPP Proactive Feet		564,960	670,560	776,160
Ratio of D&R to LPP Proactive Feet		0.7%	0.7%	0.7%
Total D&R's		3,949	4,687	5,425
Unit Cost	\$1,580	\$1,612	\$1,644	\$1,677
Total Cost of D&R's		<u>\$6,364,966</u>	<u>\$7,705,773</u>	<u>\$9,097,666</u>

Keyspan Gas East Corporation d/b/a National Grid
Gas Safety and Reliability Surcharge
Example of for Leak Prone Pipe (LPP) Removal Incentive Positive Revenue Adjustment (PRA)

	<u>CY 2017</u>		<u>CY 2018</u>	<u>CY 2019</u>
Total LPP Removal Target - Miles		115	135	155
Example of Miles Removed		120	135	175
Incentive Threshold - Miles		116	136	156
Miles Eligible for Incentive		4	0	19
Basis Point Allowed - 10 Maximum	2	8	0	10
Estimate of Basis Point PRA	<u>\$185,000</u>	<u>\$1,480,000</u>	<u>\$0</u>	<u>\$1,850,000</u>

Keyspan Gas East Corporation d/b/a National Grid
 Gas Safety and Reliability Surcharge
 Example of Proactive Leak Prone Pipe (LPP) Productivity Incentive Positive Revenue Adjustment (PRA)
 Using a 1.5% Savings Tier

INCENTIVE THRESHOLDS

Base	CY 2017 Proactive Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
\$ 226	> \$223 < 1.50%	> \$219 < 3.00%	> \$216 < 4.50%	> \$212 < 6.00%	> \$209 < 7.50%	> \$209 < 7.50%
0.00%	0	2	4	6	8	10
		\$370,000	\$740,000	\$1,110,000	\$1,480,000	\$1,850,000
CY 2017						
Unit Cost						
Savings From Base						
Positive Incentive Pre-Tax Basis Point (BP)						
Estimate of one BP						

Base	CY 2018 Proactive Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
\$ 236	> \$232 < 1.50%	> \$229 < 3.00%	> \$225 < 4.50%	> \$222 < 6.00%	> \$218 < 7.50%	> \$218 < 7.50%
0.00%	0	2	4	6	8	10
		\$370,000	\$740,000	\$1,110,000	\$1,480,000	\$1,850,000
CY 2018						
Unit Cost						
Savings From Base						
Positive Incentive Pre-Tax Basis Point (BP)						
Estimate of one BP						

Base	CY 2019 Proactive Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
\$ 242	> \$238 < 1.50%	> \$235 < 3.00%	> \$231 < 4.50%	> \$227 < 6.00%	> \$224 < 7.50%	> \$224 < 7.50%
0.00%	0	2	4	6	8	10
		\$370,000	\$740,000	\$1,110,000	\$1,480,000	\$1,850,000
CY 2019						
Unit Cost						
Savings From Base						
Positive Incentive Pre-Tax Basis Point (BP)						
Estimate of one BP						

EXAMPLE FOR ILLUSTRATIVE PURPOSES:

Unit Cost	CY 2017	CY 2018	CY 2019
Savings From Base	\$ 230	\$ 228	\$ 270
Positive Incentive Basis Point (BP)	N/A	3.39%	N/A
Estimate of Basis Point PRA	0	4	\$0
		\$740,000	

Keyspan Gas East Corporation d/b/a National Grid
Gas Safety and Reliability Surcharge
Recovery of Incremental Leak Repair Costs and Leak Repair Incentive Positive Revenue Adjustment (PRA)

Example of Incremental Leak Repairs Above Rate Plan

	<u>CY 2017</u>	<u>CY 2018</u>	<u>CY 2019</u>
Leak Repairs Target - Type 3 Leaks	750	750	750
Actual Leak Repairs - Example	740	890	1,100
Incremental Leaks Repaired	<u>0</u>	<u>140</u>	<u>350</u>

Recovery of Incremental Leak Repair Costs:

Maximum Incremental Limit per Year Subject to Recovery	<u>250</u>	<u>250</u>	<u>250</u>
Incremental Leaks Subject to Recovery	0	140	250
Average Per Unit Repair Cost Rate Allowance	\$3,140	\$3,206	\$3,273
Total incremental Cost Subject to Recovery	<u>\$0</u>	<u>\$448,832</u>	<u>\$818,316</u>

Leak Repair Incentive PRA:

Basis Point (BP) Limited to One BP for each 50 Leaks Repaired (Maximum of Five BP per Year)	0	2	5
Estimate of Basis Point PRA	<u>\$185,000</u>	<u>\$0</u>	<u>\$370,000</u>
			<u>\$925,000</u>

Basis Point determination in above example assumes KEDLI achieves both components of the annual backlog reduction targets. Additionally, the number of incremental leak repairs subject to the incentive have been repaired from the list of highest emitting Type 3 leaks.

Keyspan Gas East Corporation d/b/a National Grid
City/State Construction Deferral
Example of City/State Revenue Requirement Compared to Rate Allowance
(000)

CY 2017	Rate Allowance						Example of Spend Over Rate Allowance						Amount Subject to Deferral (o)		
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.44% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)	Pre - Tax WACC 9.35% (Note 3) (f)	Total Revenue Requirement (g)	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 1.44% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l)		Pre - Tax WACC 9.35% (Note 3) (m)	Total Revenue Requirement (n)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Dec-2016		0		0	0				0	0	0	0			
January	515	515	0	0	515	4		713	713	0	0	713	6		
February	351	866	1	-1	866	7		486	1,199	1	-1	1,199	9		
March	1,248	2,115	1	-2	2,113	16		1,729	2,928	1	-2	2,926	23		
April	518	2,632	3	-4	2,628	20		717	3,645	4	-6	3,639	28		
May	428	3,060	3	-7	3,053	24		593	4,238	4	-10	4,228	33		
June	583	3,643	4	-11	3,632	28		807	5,045	5	-15	5,030	39		
July	1,031	4,674	4	-15	4,658	36		1,427	6,472	6	-21	6,451	50		
August	948	5,622	6	-21	5,601	44		1,313	7,785	8	-29	7,756	60		
September	895	6,517	7	-28	6,489	51		1,240	9,025	9	-38	8,987	70		
October	1,054	7,571	8	-35	7,535	59		1,459	10,484	11	-49	10,435	81		
November	1,083	8,654	9	-45	8,610	67		1,500	11,984	13	-62	11,923	93		
December	733	9,388	10	-55	9,333	73		1,016	13,000	14	-76	12,924	101		
	9,388	4,214	55	-16	4,197	429	484	13,000	5,835	76	-23	5,812	594	670	186

CY 2018	Rate Allowance						Example of Spend Under Rate Allowance						Amount Subject to Deferral (o)		
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.44% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)	Pre - Tax WACC 9.35% (Note 3) (f)	Total Revenue Requirement (g)	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 1.44% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l)		Pre - Tax WACC 9.35% (Note 3) (m)	Total Revenue Requirement (n)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Dec-2017		9,388		-55	9,333				13,000		-76	12,924			
January	556	9,944	11	-66	9,878	77		459	13,459	16	-92	13,367	104		
February	381	10,325	12	-78	10,247	80		314	13,773	16	-16	13,757	107		
March	1,344	11,669	12	-90	11,578	90		1,108	14,881	16	-33	14,849	116		
April	528	12,197	14	-104	12,092	94		436	15,317	18	-50	15,266	119		
May	437	12,633	15	-119	12,514	98		360	15,677	18	-69	15,608	122		
June	594	13,228	15	-134	13,094	102		490	16,167	19	-88	16,080	125		
July	1,051	14,279	16	-150	14,129	110		867	17,034	19	-107	16,927	132		
August	967	15,246	17	-167	15,079	117		798	17,832	20	-127	17,705	138		
September	913	16,159	18	-185	15,974	124		753	18,585	21	-149	18,436	144		
October	1,075	17,234	19	-205	17,029	133		886	19,471	22	-171	19,301	150		
November	1,105	18,339	21	-225	18,114	141		911	20,383	23	-194	20,189	157		
December	748	19,087	22	-247	18,840	147		617	21,000	24	-219	20,781	162		
	9,699	13,791	181	-140	13,651	1,313	1,494	8,000	16,632	219	-103	16,528	1,576	1,794	300

CY 2019	Rate Allowance						Example of Spend Over Rate Allowance						Amount Subject to Deferral (o)		
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.44% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)	Pre - Tax WACC 9.33% (Note 3) (f)	Total Revenue Requirement (g)	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 1.44% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l)		Pre - Tax WACC 9.33% (Note 3) (m)	Total Revenue Requirement (n)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Dec-2018		19,087		-247	18,840				21,000		-219	20,781			
January	567	19,655	23	-270	19,384	151		688	21,688	25	-244	21,445	167		
February	388	20,043	24	-294	19,749	154		471	22,159	26	-26	22,133	172		
March	1,371	21,414	24	-318	21,096	164		1,663	23,822	27	-52	23,769	185		
April	539	21,952	26	-343	21,609	168		653	24,475	29	-81	24,394	190		
May	446	22,398	26	-369	22,028	172		540	25,016	29	-110	24,905	194		
June	606	23,004	27	-396	22,608	176		735	25,751	30	-140	25,611	200		
July	1,072	24,076	28	-424	23,652	184		1,301	27,051	31	-171	26,880	209		
August	986	25,063	29	-453	24,610	192		1,196	28,248	32	-203	28,045	218		
September	931	25,994	30	-483	25,511	199		1,130	29,378	34	-237	29,140	227		
October	1,096	27,090	31	-514	26,576	207		1,330	30,707	35	-272	30,435	237		
November	1,127	28,217	32	-546	27,671	216		1,367	32,074	37	-309	31,765	247		
December	763	28,980	34	-580	28,401	221		926	33,000	38	-348	32,652	254		
	9,893	23,578	310	-402	23,176	2,204	2,514	12,000	26,447	348	-178	26,270	2,502	2,850	336

Notes and Assumptions:

- 1) City/State capital expenditures in base rates total \$9,388 million in CY 2017, \$9,699 million in CY 2018 and \$9,893 million in CY 2019. Revenue requirement assumes capital expenditures are placed in-service in the month spent.
- 2) Depreciation is based on the Depreciation Study recommended composite depreciation rate for mains and services based on 12/31/2015 plant balances.
- 3) Utilizes pre-tax WACC by calendar year per Settlement ROE of 9%.
- 4) The CY 2017 incremental/under spend will be rolled forward to the CY 2018 and CY 2019 deferral, calculating a return on the net plant investment and associated depreciation expense.
- 5) The CY 2018 incremental/under spend will be rolled forward to the CY 2019 deferral, calculating a return on the net plant investment and associated depreciation expense.
- 6) Amount subject to deferral is shared 90% with customers.

KeySpan Gas East Corporation d/b/a National Grid
Deferral of FTE Costs
Illustrative Example
(\$000's)

Example of Per Employee Deferral

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>
1 Total Rate Case Incremental Employees	131	131	131	131	131	131	134	134
2 Employees Hired	112	115	120	125	131	131	133	134
3 Difference (Employee Shortfall)	19	16	11	6	-	-	1	-
4 Deferral per Employee Shortfall	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900
5 Total Monthly Deferral	55,100	47,705	33,205	18,705	-	-	2,900	-
6 Cumulative Deferral	55,100	102,805	136,010	154,715	154,715	154,715	157,615	157,615

Line Notes

1 Per settlement of FTE's in Exhibit RRP-3CU, Schedule 27, Workpapers 1,3,8,9,13,15

2 Example of hypothetical count of employees hired to date

3 Line 1 less Line 2

4 Calculated on the following settlement FTE costs in Exhibit RRP-3CU, Schedule 27, Workpapers 1,3,8,9,13,15:

3,669,784	Payroll
<u>1,014,371</u>	Benefits (exclude Pension/OPEB's)
4,684,156	Total FTE Cost
<u>134</u>	Total FTE Count
35,033	Cost Per Employee
2,919	Cost Per Employee Per Month
2,900	Rounded to Nearest Hundred

5 Line 4 x Line 3

6 Previous months Line 6 + current month Line 5

Keyspan Gas East Corporation d/b/a National Grid
Hire Status of Incremental FTE's
Attachment 1 to DPS-493

Work Paper #	Coet Center	Program/Position	Final FTE Count	KEDNY %	KEDLY %	FTE Count by January 2017		FTE Count by July 2017		Band/Job Title	Mgmt / Rep
						KEDNY FTE	KEDLY FTE	KEDNY FTE	KEDLY FTE		
9 ServCo	Account Maintenance	SDC - A/C Maintenance	5.0	19%	9%	5.0	5.0	5.0	5.0	E	Mgmt
9 ServCo	Account Maintenance	SDC - A/C Maintenance	6.0	58%	0%	6.0	6.0	6.0	6.0	Union	Union
9 ServCo	Economic Development	Customer - Econ Dev	1.0	50%	50%	1.0	1.0	1.0	1.0	E/ D	Mgmt
9 ServCo	Gas Growth & Indirect Incrementals	Procurement - Gas Growth	2.0	57%	43%	2.0	2.0	2.0	2.0	D2	Mgmt
9 ServCo	Gas Growth & Indirect Incrementals	Procurement - Gas Growth	2.0	57%	43%	2.0	2.0	2.0	2.0	D1	Mgmt
1 KEDNY	130-Gas Estimating Office of Excellence	Gas Estimating Office of Excellence- Estimator	6.0	57%	43%	6.0	6.0	6.0	6.0	E2	Mgmt
1 KEDNY	130-Main & Service Replacement	Main & Service Replacement- Designer	2.0	100%		2.0	2.0	2.0	2.0	Engineer	Mgmt
1 KEDNY	130-Gas Investment Planning	Gas Estimating Office of Excellence- Manager	3.0	100%		3.0	3.0	3.0	3.0	Engineer	Mgmt
1 KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Clerks	0.3	100%		0.3	0.3	0.3	0.3	Manager	Mgmt
1 KEDNY	130-Gas Transmission Engineering	Investment Planning- Work Order Closeout- Clerks	2.0	100%		2.0	2.0	2.0	2.0	Operations Clerk	Union
1 KEDNY	130-Pressure Regulation Engineering	Gas Transmission Engineering- Engineer	0.5	100%		0.5	0.5	0.5	0.5	Engineer	Mgmt
1 KEDNY	130-Gas Long Term Planning	CNG/LNG- Engineer	1.0	100%		1.0	1.0	1.0	1.0	Engineer	Mgmt
1 KEDNY	120-Maint & Const-NY Gas	Gas Long Term Planning- Engineer	1.0	100%		1.0	1.0	1.0	1.0	Engineer	Mgmt
1 KEDNY	130-Pressure Regulation Engineering	Construction- Public Works- Engineer	2.0	100%		2.0	2.0	2.0	2.0	Engineer	Mgmt
1 KEDNY	120-Maint & Const-NY Gas	Pressure Regulation Engineering- Engineer	2.0	100%		2.0	2.0	2.0	2.0	Engineer	Mgmt
1 KEDNY	130-Gas Project Eng & Design	Construction- Main Replacement- Engineer	3.0	100%		3.0	3.0	3.0	3.0	Engineer	Mgmt
1 KEDNY	130-Gas Project Eng & Design	Gas Project Eng & Design- Designer	3.0	100%		3.0	3.0	3.0	3.0	Engineer	Mgmt
1 KEDNY	130-Gas Project Eng & Design	Gas Project Eng & Design- Engineer	7.0	100%		7.0	7.0	7.0	7.0	Engineer	Mgmt
1 KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Inspectors	2.0	100%		2.0	2.0	2.0	2.0	Field Operations Inspector A	Union
1 KEDNY	120-Maint & Const-NY Gas	Construction- Main Replacement- Construction Inspectors	5.0	100%		5.0	5.0	5.0	5.0	Field Operations Inspector A	Union
1 KEDNY	120-Maint & Const-NY Gas	Supervisor	1.0	100%		1.0	1.0	1.0	1.0	Supv Operations	Mgmt
1 KEDNY	110-Contract Management	Complex Construction- Construction Inspectors	9.8	100%		9.8	9.8	9.8	9.8	Supv Operations	Mgmt
1 KEDNY	110-Program Management	Resource Planning- Coordinator	1.0	100%		1.0	1.0	1.0	1.0	Sr Coordinator	Mgmt
1 KEDNY	120-Maint & Const-NY Gas	Construction- Permit/Summons/Paving Coordinator	2.0	100%		2.0	2.0	2.0	2.0	Sr Coordinator	Mgmt
1 KEDNY	130-Corrosion Control	Corrosion- Techs	2.0	100%		2.0	2.0	2.0	2.0	Corrosion Technician Sr	Union
1 KEDNY	130-Gas Investment Planning	Investment Planning- In Year Budget- Program Manager	1.0	100%		1.0	1.0	1.0	1.0	Sr Program Manager	Mgmt
1 KEDNY	110-Program Management	Resource Planning- Work Package Reviewer- Program Manager	1.0	100%		1.0	1.0	1.0	1.0	Sr Program Manager	Mgmt
1 KEDNY	130-Gas Investment Planning	Investment Planning- Rate Case Support- Program Manager	2.0	100%		2.0	2.0	2.0	2.0	Sr Program Manager	Mgmt
1 KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Program Manager	2.0	100%		2.0	2.0	2.0	2.0	Sr Program Manager	Mgmt
1 KEDNY	110-Contract Management	Contract Strategy & Administration- Program Manager	3.2	100%		3.2	3.2	3.2	3.2	Sr Program Manager	Mgmt
1 KEDNY	110-Program Management	Resource Planning- Program Manager	3.5	100%		3.5	3.5	3.5	3.5	Sr Program Manager	Mgmt
1 KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Lead Program Manager	1.0	100%		1.0	1.0	1.0	1.0	Lead Program Manager	Mgmt
1 KEDNY	120-Maint & Const-NY Gas	Construction- Main Replacement- Manager	1.0	100%		1.0	1.0	1.0	1.0	Manager	Mgmt
1 KEDNY	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Manager	1.0	100%		1.0	1.0	1.0	1.0	Manager	Mgmt
1 KEDNY	110-Program Management	Resource Planning- Manager	1.0	100%		1.0	1.0	1.0	1.0	Manager	Mgmt
1 KEDNY	110-Complex Project Mgmt	Project Management- Project Manager	3.5	100%		3.5	3.5	3.5	3.5	Sr Program Manager	Mgmt
1 KEDNY	110-Ops Support Services	Operations Support- Permit Clerks	5.0	100%		5.0	5.0	5.0	5.0	Operations Clerk	Union
1 KEDNY	110-Complex Project Mgmt	Operations Support- ESRI Analyst	2.0	100%		2.0	2.0	2.0	2.0	Sr Analyst	Mgmt
1 KEDNY	110-Ops Support Services	Project Controls- Analyst	2.0	100%		2.0	2.0	2.0	2.0	Sr Analyst	Mgmt
1 KEDNY	110-Ops Support Services	Operations Support- Supervisor	1.0	100%		1.0	1.0	1.0	1.0	Supv Operations	Mgmt
1 KEDNY	110-Ops Support Services	Operations Support- Mappers	3.0	100%		3.0	3.0	3.0	3.0	Graphic Techn Sr-40 Hr	Union
1 KEDNY	110-Ops Support Services	Operations Support- Manager	0.5	100%		0.5	0.5	0.5	0.5	Manager	Mgmt
1 KEDNY	110-Program Management	Resource Planning- Analyst	1.0	100%		1.0	1.0	1.0	1.0	Sr Analyst	Mgmt
1 KEDNY	110-Program Management	Resource Planning- Report Analyst	1.0	100%		1.0	1.0	1.0	1.0	Sr Analyst	Mgmt
1 KEDNY	120-Gas Pipeline Safety & Compliance	Process Safety - Engineering	1.0	100%		1.0	1.0	1.0	1.0	Engineer	Mgmt

Keyspan Gas East Corporation d/b/a National Grid
Hire Status of Incremental FTE's
Attachment 1 to DPS-493

Work Paper #	Co#	Program/Position	Final FTE Count		KEDNY %		KEDLI %		KEDNY FTE		KEDLI FTE		Mgmt / Rep
			FTE	%	FTE	%	FTE	%	FTE	%			
1	KEDNY	120-Gas Pipeline Safety & Compliance	0.5	100%	0.5	100%	-	-	0.5	-	-	-	Mgmt
1	KEDNY	120-Gas Pipeline Safety & Compliance	1.0	100%	1.0	100%	-	-	1.0	-	-	-	Mgmt
1	KEDNY	120-Gas Pipeline Safety & Compliance	0.5	100%	0.5	100%	-	-	0.5	-	-	-	Mgmt
1	KEDNY	130-Gas Operations Engineering	1.0	100%	1.0	100%	-	-	1.0	-	-	-	Mgmt
1	KEDNY	130-Gas Operations Engineering	1.0	100%	1.0	100%	-	-	1.0	-	-	-	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	2.0	100%	2.0	100%	-	-	2.0	-	-	-	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	12.7	100%	12.7	100%	-	-	12.7	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	8.0	100%	8.0	100%	-	-	8.0	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	3.0	100%	3.0	100%	-	-	3.0	-	-	-	Mgmt
1	KEDNY	120-Customer Meter Svcs	5.0	100%	5.0	100%	-	-	5.0	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	0.5	100%	0.5	100%	-	-	0.5	-	-	-	Mgmt
1	KEDNY	130-Gas Distribution Engineering	1.0	100%	1.0	100%	-	-	1.0	-	-	-	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	4.0	100%	4.0	100%	-	-	4.0	-	-	-	Union
1	KEDNY	120-Maint & Const-NY Gas	5.0	100%	5.0	100%	-	-	5.0	-	-	-	Union
1	KEDNY	110-LNG/Propane-NY Downstate	1.0	100%	1.0	100%	-	-	1.0	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	-	100%	-	100%	-	-	-	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	10.0	100%	10.0	100%	-	-	10.0	-	-	-	Union
1	KEDNY	120-Maint & Const-NY Gas	2.0	100%	2.0	100%	-	-	2.0	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	0.0	100%	0.0	100%	-	-	0.0	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	0.6	100%	0.6	100%	-	-	0.6	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	0.7	100%	0.7	100%	-	-	0.7	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	5.3	100%	5.3	100%	-	-	5.3	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	7.9	100%	7.9	100%	-	-	7.9	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	14.1	100%	14.1	100%	-	-	14.1	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	20.8	100%	20.8	100%	-	-	20.8	-	-	-	Union
1	KEDNY	120-Customer Meter Svcs	29.8	100%	29.8	100%	-	-	29.8	-	-	-	Union
1	KEDNY	110-LNG/Propane-NY Downstate	1.0	100%	1.0	100%	-	-	1.0	-	-	-	Mgmt
1	KEDNY	120-Gas Pipeline Safety & Compliance	1.0	100%	1.0	100%	-	-	1.0	-	-	-	Mgmt
1	KEDNY	120-Maint & Const-NY Gas	2.0	100%	2.0	100%	-	-	2.0	-	-	-	Union
1	KEDNY	120-Gas Pipeline Safety & Compliance	2.0	100%	2.0	100%	-	-	2.0	-	-	-	Mgmt
1	KEDNY	110-Gas Control	3.0	100%	3.0	100%	-	-	3.0	-	-	-	Mgmt
1	KEDNY	110-Gas Control	1.5	100%	1.5	100%	-	-	1.5	-	-	-	Mgmt
1	KEDLI	120-Customer Meter Svcs	0.5	100%	-	100%	-	0.5	-	-	-	-	Mgmt
1	KEDLI	120-Customer Meter Svcs	1.4	100%	-	100%	-	1.4	-	-	-	-	Union
1	KEDLI	120-Customer Meter Svcs	0.8	100%	-	100%	-	0.8	-	-	-	-	Union
1	KEDLI	120-Customer Meter Svcs	(0.3)	100%	-	100%	-	(0.3)	-	-	-	-	Union
1	KEDLI	120-Customer Meter Svcs	4.4	100%	-	100%	-	4.4	-	-	-	-	Union
1	KEDLI	120-Customer Meter Svcs	0.4	100%	-	100%	-	0.4	-	-	-	-	Union
1	KEDLI	120-Customer Meter Svcs	(0.1)	100%	-	100%	-	(0.1)	-	-	-	-	Union
1	KEDLI	120-Customer Meter Svcs	(6.6)	100%	-	100%	-	(6.6)	-	-	-	-	Union

Keyspan Gas East Corporation d/b/a National Grid
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Work Paper # Co	Coet Center	Program/Position	Final FTE Count	KEDNY %	KEDLI %	FTE Count by January 2017		FTE Count by July 2017		KEDLI FTE	KEDNY FTE	Mgmt / Rep
						KEDNY FTE	KEDLI FTE	KEDNY FTE	KEDLI FTE			
1 KEDLI	120-Customer Meter Svcs	CMS- Shift Work	(1.0)	100%		(1.0)	-	(1.0)	-		-	Union
1 KEDLI	120-Customer Meter Svcs	CMS- Soft Offs	2.1	100%		2.1	-	2.1	-	(1.0)	-	Union
1 KEDLI	120-Customer Meter Svcs	CMS- Supervisor	1.0	100%		1.0	-	1.0	-	2.1	-	Mgmt
1 KEDLI	110-Contract Management	Complex Construction- Contractor Oversight	4.2	100%		4.2	-	4.2	-	1.0	-	Mgmt
1 KEDLI	120-Maint & Const-NY Gas	Construction- Main Replacement- Construction Inspectors	6.0	100%		6.0	-	6.0	-	4.2	-	Mgmt
1 KEDLI	120-Maint & Const-NY Gas	Construction- Main Replacement- Engineer	3.0	100%		3.0	-	3.0	-	6.0	-	Union
1 KEDLI	120-Maint & Const-NY Gas	Construction- Main Replacement- Supervisor	1.0	100%		1.0	-	1.0	-	3.0	-	Mgmt
1 KEDLI	120-Maint & Const-NY Gas	Construction- Permit/Summons/Paving Coordinator	2.0	100%		2.0	-	2.0	-	1.0	-	Mgmt
1 KEDLI	110-Contract Management	Contract Strategy & Administration- Program Manager	1.4	100%		1.4	-	1.4	-	2.0	-	Mgmt
1 KEDLI	130-Corrosion Control	Corrosion- Techs	2.0	100%		2.0	-	2.0	-	1.4	-	Union
1 KEDLI	120-Maint & Const-NY Gas	Damage Prevention- Supervisor	1.0	100%		1.0	-	1.0	-	2.0	-	Mgmt
1 KEDLI	120-Maint & Const-NY Gas	Field Operations- Soft Offs	2.0	100%		2.0	-	2.0	-	1.0	-	Union
1 KEDLI	120-Maint & Const-NY Gas	Field Operations- Type 3 Leaks	4.0	100%		4.0	-	4.0	-	1.0	-	Union
1 KEDLI	130-Gas Long Term Planning	Gas Asset Management- Engineer	1.0	100%		1.0	-	1.0	-	2.0	-	Mgmt
1 KEDLI	130-Pressure Regulation Engineering	Gas Asset Management- Engineer	1.0	100%		1.0	-	1.0	-	4.0	-	Mgmt
1 KEDLI	130-Pressure Regulation Engineering	Gas Asset Management- Engineer	3.0	100%		3.0	-	3.0	-	1.0	-	Mgmt
1 KEDLI	110-Gas Control	Gas Control- Control Room Operator	3.0	100%		3.0	-	3.0	-	3.0	-	Mgmt
1 KEDLI	110-Gas Control	Gas Control- SOP Coordinator	1.5	100%		1.5	-	1.5	-	3.0	-	Mgmt
1 KEDLI	130-Gas Distribution Engineering	Gas Distribution Engineering- Engineer	1.0	100%		1.0	-	1.0	-	3.0	-	Mgmt
1 KEDLI	120-Gas Pipeline Safety & Compliance	Gas Pipeline and Safety Compliance- Compliance Analyst	2.0	100%		2.0	-	2.0	-	1.5	-	Mgmt
1 KEDLI	120-Gas Pipeline Safety & Compliance	Gas Pipeline and Safety Compliance- QA/QC Inspectors	1.0	100%		1.0	-	1.0	-	1.0	-	Mgmt
1 KEDLI	130-Gas Project Eng & Design	Gas System Engineering- Designer	3.0	100%		3.0	-	3.0	-	2.0	-	Mgmt
1 KEDLI	130-Gas Operations Engineering	Gas System Engineering- Engineer	1.0	100%		1.0	-	1.0	-	3.0	-	Mgmt
1 KEDLI	130-Gas Project Eng & Design	Gas System Engineering- Engineer	2.0	100%		2.0	-	2.0	-	1.0	-	Mgmt
1 KEDLI	130-Gas Project Eng & Design	Gas System Engineering- Engineer	8.0	100%		8.0	-	8.0	-	2.0	-	Mgmt
1 KEDLI	130-Main & Service Replacement	Gas System Engineering- Engineer	3.0	100%		3.0	-	3.0	-	8.0	-	Mgmt
1 KEDLI	130- Gas Estimating Office of Excellence	Gas System Engineering- Estimator	2.0	100%		2.0	-	2.0	-	3.0	-	Mgmt
1 KEDLI	130- Gas Estimating Office of Excellence	Gas System Engineering- Manager	0.3	100%		0.3	-	0.3	-	2.0	-	Mgmt
1 KEDLI	120-Maint & Const-NY Gas	I&R- Techs	2.2	100%		2.2	-	2.2	-	0.3	-	Union
1 KEDLI	130-Gas Investment Planning	Investment Planning- In Year Budget- Program Manager	1.0	100%		1.0	-	1.0	-	2.2	-	Mgmt
1 KEDLI	130-Gas Investment Planning	Investment Planning- Rate Case- Program Manager	2.0	100%		2.0	-	2.0	-	2.0	-	Mgmt
1 KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Clerks	2.0	100%		2.0	-	2.0	-	1.0	-	Mgmt
1 KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Inspectors	2.0	100%		2.0	-	2.0	-	2.0	-	Union
1 KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Lead Program Manager	1.0	100%		1.0	-	1.0	-	2.0	-	Mgmt
1 KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Manager	1.0	100%		1.0	-	1.0	-	1.0	-	Mgmt
1 KEDLI	130-Gas Investment Planning	Investment Planning- Work Order Closeout- Program Manager	2.0	100%		2.0	-	2.0	-	1.0	-	Mgmt
1 KEDLI	110-LNG/Propane-NY Downstate	LNG- Field Engineer	1.0	100%		1.0	-	1.0	-	2.0	-	Mgmt
1 KEDLI	110-LNG/Propane-NY Downstate	LNG- Mechanics	3.0	100%		3.0	-	3.0	-	1.0	-	Mgmt
1 KEDLI	110-LNG/Propane-NY Downstate	LNG- Techs	2.0	100%		2.0	-	2.0	-	3.0	-	Union
1 KEDLI	110-Ops Support Services	Operations Support- ESRI Analyst	0.5	100%		0.5	-	0.5	-	2.0	-	Mgmt
1 KEDLI	110-Ops Support Services	Operations Support- Manager	7.0	100%		7.0	-	7.0	-	2.0	-	Union
1 KEDLI	110-Ops Support Services	Operations Support- Mappers	2.0	100%		2.0	-	2.0	-	0.5	-	Union
1 KEDLI	110-Ops Support Services	Operations Support- Permit Clerks	0.5	100%		0.5	-	0.5	-	7.0	-	Mgmt
1 KEDLI	120-Gas Pipeline Safety & Compliance	Process Safety- Analyst	0.5	100%		0.5	-	0.5	-	2.0	-	Union
1 KEDLI	120-Gas Pipeline Safety & Compliance	Process Safety- Director	0.5	100%		0.5	-	0.5	-	0.5	-	Mgmt

Keyspan Gas East Corporation d/b/a National Grid
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Attachment 1 to DPS-493

Work Paper # Co	Cost Center	Program/Position	FTE Count by January 2017		FTE Count by July 2017		Mgmt / Rep	
			KEDNY FTE	KEDLI FTE	KEDNY FTE	KEDLI FTE		
1	KEDLI 120-Gas Pipeline Safety & Compliance	Process Safety- Engineering	1.0	1.0	-	1.0	Engineer	Mgmt
1	KEDLI 120-Gas Pipeline Safety & Compliance	Process Safety- Lead Program Manager	1.0	1.0	-	1.0	Lead Program Manager	Mgmt
1	KEDLI 110-Complex Project Mgmt	Project Controls- Analyst	1.0	1.0	-	1.0	Sr Analyst	Mgmt
1	KEDLI 110-Complex Project Mgmt	Project Management- Project Manager	2.5	2.5	-	2.5	Sr Program Manager	Mgmt
1	KEDLI 110-Program Management	Resource Planning- Analyst	1.0	1.0	-	1.0	Sr Analyst	Mgmt
1	KEDLI 110-Program Management	Resource Planning- Coordinator	1.0	1.0	-	1.0	Sr Coordinator	Mgmt
1	KEDLI 110-Program Management	Resource Planning- Program Manager	3.5	3.5	-	3.5	Sr Program Manager	Mgmt
1	KEDLI 110-Program Management	Resource Planning- Report Analyst	1.0	1.0	-	1.0	Sr Analyst	Mgmt
1	KEDLI 110-Program Management	Resource Planning- Work Package Reviewer- Program Manager	1.0	1.0	-	1.0	Sr Program Manager	Mgmt
3	ServCo Contact Ctr NYC	Incremental headcount driven by increased SL reqt for call center	3.0	-	-	3.0	Union	Union
3	ServCo Contact Ctr NYC	Incremental supervisor to maintain spans & controls	-	-	-	-	E - Supervisor	Mgmt
3	ServCo Contact Ctr NYC	Incremental customer complaint analysts	1.0	0%	100%	1.0	E - Customer Complaint analyst	Mgmt
3	ServCo Contact Ctr NYC	Brentwood Outreach	2.0	0%	100%	2.0	E - Consumer Advocate	Mgmt
4	ServCo Contact Ctr NYC	Intern Sustainability Hub at Metrotech	1.0	100%	100%	1.0	Intern - Intern	Intern
12	KEDNY SIR	SIR	2.0	100%	100%	2.0	D - Environmental Engineer (Project Manager), Analyst (financial)	Mgmt
8	ServCo Technical Training	HR - Technical Training	1.0	66%	66%	1.0	E - Instructor	Mgmt
8	ServCo Technical Training	HR - Technical Training	1.0	66%	66%	1.0	E - Designer	Mgmt
8	ServCo Recruiting	Recruiting	1.0	14%	7%	1.0	E - Recruiting Specialist	Mgmt
8	ServCo Recruiting	Recruiting	1.0	14%	7%	1.0	E - Recruiting Specialist	Mgmt
8	ServCo Recruiting	Recruiting	1.0	14%	7%	1.0	E - Recruiting Specialist	Mgmt
8	ServCo Strategic Workforce	HR - SWFP	1.0	14%	7%	1.0	D - Director Strategic Workforce	Mgmt
13,14	ServCo Customer	REV	1.0	50%	50%	1.0	D - Project Manager - Gas Rev	Mgmt
16	ServCo Energy Procurement	Gas Procurement	1.0	35%	16%	1.0	D - Proposals	Mgmt
			380.0	266.3	130.7	270.3	133.7	
			380.0					

APPENDIX 8

Storm Hardening Working Group Framework & Process

This outline provides a framework for a collaborative to address storm hardening and climate resiliency improvements to The Brooklyn Union Gas Company d/b/a National Grid NY (“KEDNY”) and KeySpan Gas East Corporation d/b/a National Grid (“KEDLI”) (collectively, the “Companies”) systems.

Objectives:

- Inform utility hardening efforts and long-term planning with latest climate change projections:
 - Connect latest climate change research with gas system planning to ensure the system performs optimally, and in a cost efficient manner, given projected climate conditions;
 - Integrate climate change risks and projections into planning decisions and future design standards;
 - Review and discuss approaches to storm hardening and resiliency improvements and obtain stakeholder support for KEDNY/KEDLI resiliency investments.
- Develop recommendations for prioritizing resiliency investments: Review and possibly revise asset prioritization model to address current and future flood plain risks, and other issues.
- Leverage resources that collaborative participants can bring to bear to develop desired tools and outputs.

Collaborative Process

1. Convene Collaborative Meetings

Group collaborative meetings should include all interested stakeholders and allow participants to exchange and discuss information, ideas, and proposals for storm hardening projects. At the initial meeting, the stakeholders will identify the scope of the collaborative process and establish a schedule with the goal of producing a report detailing the results of the collaborative process and recommendations. Participants also can determine whether there are sub-issues that would benefit from discussion in working groups, which would report their findings to all stakeholders at subsequent large group meetings. All parties and participants involved in the collaborative process are required to execute a nondisclosure agreement so that confidential and proprietary information will be protected from disclosure.¹ It is anticipated that the large group would meet quarterly and working groups, if any, would meet more frequently.

Proposed Participants:

- KEDNY/KEDLI
- Department of Public Service Staff
- New York City
- Environmental Defense Fund
- Other Parties/Governmental Bodies

¹ DPS Staff will not have to execute a nondisclosure agreement as Public Service Law §15 prohibits DPS Staff from disclosing confidential information.

2. Identify Issues

Some issues worthy of discussion are:

- i. Development of a Cost/Benefit Model for initial storm hardening and resiliency projects;
- ii. Development of design standards to address identified risks based upon climate projections for the region;
- iii. Development of resiliency strategies for climate risk factors, including incorporation of climate risk learnings to inform the 20-year LPP replacement program, regulator hardening program and city gate station hardening; and
- iv. Guidelines for incorporating updated climate change projections in the Company's planning processes and design standards.

Other related issues can be considered by the participants. As noted above, the need for working groups should be explored.

3. Develop a Collaborative Report

KEDNY/KEDLI would compile the information from the large group and working group (if any) meetings and develop a draft collaborative report to be circulated among the participants. Once all the participants are given an opportunity to review the draft report and provide additional comments and/or recommendations, a final collaborative report would be issued by KEDNY/KEDLI detailing the results of the collaborative process, addressing participant comments on the draft report and detailing a plan for implementing any storm hardening and resiliency projects in the future. Recommendations for each objective will be completed by December 2017. The final report will be submitted to the Secretary no later than February 28, 2018, to allow for Commission consideration and action, as necessary.

APPENDIX 9

HIGH RISK SECTIONS PART 255		
ACTIVITY TITLE	CODE SECTION	RISK FACTOR
Material - General	255.53(a),(b),(c)	HIGH
Transportation of Pipe	255.65	HIGH
Pipe Design - General	255.103	HIGH
Design of Components - General Requirements	255.143	HIGH
Design of Components - Flexibility	255.159	HIGH
Design of Components - Supports and anchors	255.161	HIGH
Compressor Stations: Emergency shutdown	255.167	HIGH
Compressor Stations: Pressure limiting devices	255.169	HIGH
Compressor Stations: Ventilation	255.173	HIGH
Valves on pipelines to operate at 125 psig or more	255.179	HIGH
Distribution line valves	255.181	HIGH
Vaults: Structural Design requirements	255.183	HIGH
Vaults: Drainage and waterproofing	255.189	HIGH
Protection against accidental overpressuring	255.195	HIGH
Control of the pressure of gas delivered from high pressure distribution systems	255.197	HIGH
Requirements for design of pressure relief and limiting devices	255.199	HIGH
Required capacity of pressure relieving and limiting stations	255.201	HIGH
Qualification of welding procedures	255.225	HIGH
Qualification of Welders	255.227	HIGH
Protection from weather	255.231	HIGH
Miter Joints	255.233	HIGH
Preparation for welding	255.235	HIGH
Inspection and test of welds	255.241(a),(b)	HIGH
Nondestructive testing-Pipeline to operate at 125 PSIG or more	255.243(a)-(e)	HIGH
Welding inspector	255.244(a),(b),(c)	HIGH
Repair or removal of defects	255.245	HIGH
Joining Of Materials Other Than By Welding - General	255.273	HIGH
Joining Of Materials Other Than By Welding - Copper Pipe	255.279	HIGH
Joining Of Materials Other Than By Welding - Plastic Pipe	255.281	HIGH
Plastic pipe: Qualifying persons to make joints	255.285(a),(b),(d)	HIGH
Notification requirements	255.302	HIGH
Compliance with construction standards	255.303	HIGH
Inspection: General	255.305	HIGH
Inspection of materials	255.307	HIGH
Repair of steel pipe	255.309	HIGH
Repair of plastic pipe	255.311	HIGH
Bends and elbows	255.313(a),(b),(c)	HIGH
Wrinkle bends in steel pipe	255.315	HIGH
Installation of plastic pipe	255.321	HIGH
Underground clearance	255.325	HIGH
Customer meters and service regulators: Installation	255.357(d)	HIGH
Service lines: Installation	255.361(e),(f),(g),(h),(i)	HIGH
Service lines: Location of valves	255.365(b)	HIGH
External corrosion control: Buried or submerged pipelines installed after July 31, 1971	255.455(d),(e)	HIGH
External corrosion control: Buried or submerged pipelines installed before August 1, 1971	255.457	HIGH
External corrosion control: Protective coating	255.461(c)	HIGH
External corrosion control: Cathodic protection	255.463	HIGH
External corrosion control: Monitoring	255.465(a),(e)	HIGH
Internal corrosion control: Design and construction of transmission line	255.476(a),(c)	HIGH
Remedial measures: General	255.483	HIGH
Remedial measures: transmission lines	255.485(a),(b)	HIGH
Strength test requirements for steel pipelines to operate at 125 PSIG or more	255.505(a),(b),(c),(d)	HIGH
General requirements (UPGRADES)	255.553 (a),(b),(c),(f)	HIGH
Upgrading to a pressure of 125 PSIG or more in steel pipelines	255.555	HIGH
Upgrading to a pressure less than 125 PSIG	255.557	HIGH
Conversion to service subject to this Part	255.559(a)	HIGH
General provisions	255.603	HIGH
Operator Qualification	255.604	HIGH
Essentials of operating and maintenance plan	255.605	HIGH
Change in class location: Required study	255.609	HIGH
Damage prevention program	255.614	HIGH
Emergency Plans	255.615	HIGH

Customer education and information program	255.616	HIGH
Maximum allowable operating pressure: Steel or plastic pipelines	255.619	HIGH
Maximum allowable operating pressure: High pressure distribution systems	255.621	HIGH
Maximum and minimum allowable operating pressure: Low pressure distribution systems	255.623	HIGH
Odorization of gas	255.625(a),(b)	HIGH
Tapping pipelines under pressure	255.627	HIGH
Purging of pipelines	255.629	HIGH
Control Room Management	255.631(a)	HIGH
Transmission lines: Patrolling	255.705	HIGH
Leakage Surveys - Transmission	255.706	HIGH
Transmission lines: General requirements for repair procedures	255.711	HIGH
Transmission lines: Permanent field repair of imperfections and damages	255.713	HIGH
Transmission lines: Permanent field repair of welds	255.715	HIGH
Transmission lines: Permanent field repair of leaks	255.717	HIGH
Transmission lines: Testing of repairs	255.719	HIGH
Distribution systems: Leak surveys and procedures	255.723	HIGH
Compressor stations: procedures	255.729	HIGH
Compressor stations: Inspection and testing relief devices	255.731	HIGH
Compressor stations: Additional inspections	255.732	HIGH
Compressor stations: Gas detection	255.736	HIGH
Pressure limiting and regulating stations: Inspection and testing	255.739(a),(b)	HIGH
Regulator Station Overpressure Protection	255.743(a),(b)	HIGH
Transmission Line Valves	255.745	HIGH
Prevention of accidental ignition	255.751	HIGH
Protecting cast iron pipelines	255.755	HIGH
Replacement of exposed or undermined cast iron piping	255.756	HIGH
Replacement of cast iron mains paralleling excavations	255.757	HIGH
Leaks: Records	255.807(d)	HIGH
Leaks: Instrument sensitivity verification	255.809	HIGH
Leaks: Type 1	255.811(b),(c),(d),(e)	HIGH
Leaks: Type 2A	255.813(b),(c),(d)	HIGH
Leaks: Type 2	255.815(b),(c),(d)	HIGH
Leak Follow-up	255.819(a)	HIGH
High Consequence Areas	255.905	HIGH
Required Elements (IMP)	255.911	HIGH
Knowledge and Training (IMP)	255.915	HIGH
Identification of Potential Threats to Pipeline Integrity and Use of the Threat Identification in an Integrity Program (IMP)	255.917	HIGH
Baseline Assessment Plan(IMP)	255.919	HIGH
Conducting a Baseline Assessment (IMP)	255.921	HIGH
Direct Assessment (IMP)	255.923	HIGH
External Corrosion Direct Assessment (ECDA) (IMP)	255.925	HIGH
Internal Corrosion Direct Assessment (ICDA) (IMP)	255.927	HIGH
Confirmatory Direct Assessment (CDA) (IMP)	255.931	HIGH
Addressing Integrity Issues (IMP)	255.933	HIGH
Preventive and Mitigative Measures to Protect the High Consequence Areas (IMP)	255.935	HIGH
Continual Process of Evaluation and Assessment (IMP)	255.937	HIGH
Reassessment Intervals (IMP)	255.939	HIGH
General requirements of a GDPIM plan	255.1003	HIGH
Implementation requirements of a GDPIM plan.	255.1005	HIGH
Required elements of a GDPIM plan.	255.1007	HIGH
Required report when compression couplings fail.	255.1009	HIGH
Requirements a small liquefied petroleum gas (LPG) operator must satisfy to implement a GDPIM plan	255.1015	HIGH

HIGH RISK SECTIONS PART 261		
Operation and maintenance plan	261.15	HIGH
Leakage Survey	261.17(a),(c)	HIGH
Carbon monoxide prevention	261.21	HIGH
Warning tag procedures	261.51	HIGH
HEFPA Liaison	261.53	HIGH
Warning Tag Inspection	261.55	HIGH
Warning tag: Class A condition	261.57	HIGH
Warning tag: Class B condition	261.59	HIGH

OTHER RISK SECTIONS PART 255		
ACTIVITY TITLE	CODE SECTION	RISK FACTOR
Preservation of records	255.17	OTH
Compressor station: Design and construction	255.163	OTH
Compressor station: Liquid removal	255.165	OTH
Compressor stations: Additional safety equipment	255.171	OTH
Vaults: Accessibility	255.185	OTH
Vaults: Sealing, venting, and ventilation	255.187	OTH
Calorimeter or calorimeter structures	255.190	OTH
Design pressure of plastic fittings	255.191	OTH
Valve installation in plastic pipe	255.193	OTH
Instrument, control, and sampling piping and components	255.203	OTH
Limitations On Welders	255.229	OTH
Quality assurance program	255.230	OTH
Preheating	255.237	OTH
Stress relieving	255.239	OTH
Inspection and test of welds	255.241(c)	OTH
Nondestructive testing-Pipeline to operate at 125 PSIG or more	255.243(f)	OTH
Plastic pipe: Qualifying joining procedures	255.283	OTH
Plastic pipe: Qualifying persons to make joints	255.285(c)(e)	OTH
Plastic pipe: Inspection of joints	255.287	OTH
Bends and elbows	255.313(d)	OTH
Protection from hazards	255.317	OTH
Installation of pipe in a ditch	255.319	OTH
Casing	255.323	OTH
Cover	255.327	OTH
Customer meters and regulators: Location	255.353	OTH
Customer meters and regulators: Protection from damage	255.355	OTH
Customer meters and service regulators: Installation	255.357(a)-(c)	OTH
Customer meter installations: Operating pressure	255.359	OTH
Service lines: Installation	255.361(a), (b), (c), (d)	OTH
Service lines: valve requirements	255.363	OTH
Service lines: Location of valves	255.365(a), (c)	OTH
Service lines: General requirements for connections to main piping	255.367	OTH
Service lines: Connections to cast iron or ductile iron mains	255.369	OTH
Service lines: Steel	255.371	OTH
Service lines: Cast iron and ductile iron	255.373	OTH
Service lines: Plastic	255.375	OTH
Service lines: Copper	255.377	OTH
New service lines not in use	255.379	OTH
Service lines: excess flow valve performance standards	255.381	OTH
External corrosion control: Buried or submerged pipelines installed after July 31, 1971	255.455 (a)	OTH
External corrosion control: Examination of buried pipeline when exposed	255.459	OTH
External corrosion control: Protective coating	255.461(a), (b), (d), (e), (f), (g)	OTH
External corrosion control: Monitoring	255.465 (b)(c)(d)(f)	OTH
External corrosion control: Electrical isolation	255.467	OTH
External corrosion control: Test stations	255.469	OTH
External corrosion control: Test lead	255.471	OTH
External corrosion control: Interference currents	255.473	OTH
Internal corrosion control: General	255.475(a)(b)	OTH
Atmospheric corrosion control: General	255.479	OTH
Atmospheric corrosion control: Monitoring	255.481	OTH
Remedial measures: transmission lines	255.485(c)	OTH
Remedial measures: Pipelines lines other than cast iron or ductile iron lines	255.487	OTH
Remedial measures: Cast iron and ductile iron pipelines	255.489	OTH
Direct Assessment	255.490	OTH
Corrosion control records	255.491	OTH
General requirements (TESTING)	255.503	OTH
Strength test requirements for steel pipelines to operate at 125 PSIG or more	255.505 (e),(h), (i)	OTH
Test requirements for pipelines to operate at less than 125 PSIG	255.507	OTH
Test requirements for service lines	255.511	OTH
Environmental protection and safety requirements	255.515	OTH
Records (TESTING)	255.517	OTH
Notification requirements (UPGRADES)	255.552	OTH
General requirements (UPGRADES)	255.553 (d)(e)	OTH
Conversion to service subject to this Part	255.559(b)	OTH

Change in class location: Confirmation or revision of maximum allowable operating pressure	255.611(a), (d)	OTH
Continuing surveillance	255.613	OTH
Odorization	255.625 (e)(f)	OTH
Pipeline Markers	255.707(a),(c),(d),(e)	OTH
Transmission lines: Record keeping	255.709	OTH
Distribution systems: Patrolling	255.721(b)	OTH
Test requirements for reinstating service lines	255.725	OTH
Inactive Services	255.726	OTH
Abandonment or inactivation of facilities	255.727(b)-(g)	OTH
Compressor stations: storage of combustible materials	255.735	OTH
Pressure limiting and regulating stations: Inspection and testing	255.739 (c), (d)	OTH
Pressure limiting and regulating stations: Telemetering or recording gauges	255.741	OTH
Regulator Station MAOP	255.743 (c)	OTH
Service Regulator - Min.& Oper. Load, Vents	255.744	OTH
Distribution Line Valves	255.747	OTH
Valve maintenance: Service line valves	255.748	OTH
Regulator Station Vaults	255.749	OTH
Caulked bell and spigot joints	255.753	OTH
Reports of accidents	255.801	OTH
Emergency lists of operator personnel	255.803	OTH
Leaks General	255.805 (a), (b), (e), (g), (h)	OTH
Leaks: Records	255.807(a)-(c)	OTH
Type 3	255.817	OTH
Interruptions of service	255.823 (a)-(b)	OTH
Logging and analysis of gas emergency reports	255.825	OTH
Annual Report	255.829	OTH
Reporting safety-related conditions	255.831	OTH
General (IMP)	255.907	OTH
Changes to an Integrity Management Program (IMP)	255.909	OTH
Low Stress Reassessment (IMP)	255.941	OTH
Measuring Program Effectiveness (IMP)	255.945	OTH
Records (IMP)	255.947	OTH
Records an operator must keep	255.1011	OTH

OTHER RISK SECTIONS PART 261		
High Pressure Piping - Annual Notice	261.19	OTH
Warning tag: Class C condition	261.61	OTH
Warning tag: Action and follow-up	261.63(a)-(h)	OTH
Warning Tag Records	261.65	OTH

APPENDIX 10

Power Generation/ Non-Firm Cost / Rate Study

The Brooklyn Union Gas Company d/b/a National Grid NY (“KEDNY”) and KeySpan Gas East Corporation d/b/a National Grid (“KEDLI”) (collectively, the “Companies”) shall perform detailed analyses, with input from Staff and other parties, of the costs incurred to serve electric generators, non-firm customers (*i.e.*, interruptible (“IT”) and temperature controlled (“TC”)), as well as contributions received from such customers. The study shall be in accordance with the parameters set forth below subject to further refinements as the study progresses.

- The analyses will include¹:
 - A comprehensive marginal cost study of serving all customers, both firm and interruptible.
 - The Companies would use the marginal cost study presented in these cases as the starting point.
 - The study would examine both short-term and long-term marginal costs.
 - An evaluation of value-based and cost-based interruptible rate design;
 - An analysis of the value of non-firm service customers to the distribution system and firm customers that would include cost avoidance as well as the incremental costs of maintaining a dual fuel system (to be developed with customer participation).
 - An analysis of the cost to serve all non-firm customers that would include costs associated with customers that take service from the high-pressure transmission system and those that take service from the distribution system;
 - An assessment of the appropriate adder, if any, to the long-term marginal cost of service that serves as a minimum contribution to fixed costs (currently set at 10 cents per dth).
 - A bypass analysis that will present data for customers in each of the Companies’ service territories who have expressed interest in a negotiated rate based on a potential bypass.
 - The study would establish the parameters of a bypass analysis that could be applied more generally (*i.e.*, economics of fuel switching, economics of switching to firm service with incremental pipeline capacity).
 - The customers analyzed would not be identified in the studies.
 - An analysis that provides support for interruptible delivery rates based on alternate fuels and/or other factors that might make a subset of interruptible customers more or less price elastic.
 - An analysis of the Companies’ negotiated balancing agreements with generators.
 - An analysis of the costs of providing various balancing services, including distribution costs and upstream capacity and commodity costs.
 - An evaluation of how costs are determined for individual service classes (firm and non-firm);
 - An evaluation of how costs are recovered from individual service classes (firm and non-firm);

¹ As may be warranted to protect trade secret and confidential commercial information, the Companies may request confidential treatment of appropriate portions of the study pursuant to the Public Officers Law §§ 87(2) and 89(2), and the Commission’s implementing regulation, 16 NYCRR § 6-1.3.

Power Generation/ Non-Firm Cost / Rate Study

- This analysis would also consider any operational and financial constraints (*e.g.*, reliability risks) on the Companies' ability to provide balancing services using existing assets that are not fully utilized or new assets that could be dedicated to firm service; the system conditions and season(s) when such services could or could not be provided; and how the imbalance penalty structures are or are not consistent with such findings.
- An estimate of the cost impacts of any potential or proposed changes resulting from these analyses.

The results of this study will help to inform two collaboratives, the Power Generation collaborative (described in Section VI.9.3 of the Joint Proposal), and the IT/TC collaborative (described in Section VI.10.7 of the Joint Proposal and Appendix 11).

APPENDIX 11

Interruptible/Temperature Controlled Service Collaborative

The following issues will be addressed in the Interruptible (“IT”)/Temperature Controlled (“TC”) Service Collaborative:

1. Non-Firm Services. How should The Brooklyn Union Gas Company d/b/a National Grid NY’s (“KEDNY”) and KeySpan Gas East Corporation d/b/a National Grid’s (“KEDLI”) existing IT and TC services be structured prospectively?
 - a. What will be the duration of grandfathering for existing TC customers?
 - b. Consider new demand response firm and/or non-firm services.

2. Non-Firm Rates. How does the resolution of Item 1 affect the rates that should be charged for IT/TC services prospectively?
 - a. The determination of the value of varying demand response credits.
 - b. Is there a basis to charge different IT/TC service rates for customers, if any, served directly off the transmission system?
 - c. What balancing provisions/costs should be included in IT/TC services?
 - d. What gas supply-related services/costs should be included in IT/TC services?
 - e. Is there a basis for charging different rates to IT/TC customers based on their alternative fuel or other factors?
 - f. How should KEDNY and KEDLI improve the bill presentation for IT/TC customers so that customers can better understand what they are being charged for (*e.g.*, by separately stating the customer charge, delivery service therm charge, and cost of gas per therm charge)?

3. Alternate Fuel Issues
 - a. Requirements for ensuring/documenting alternate fuel supplies for non-firm customers
 - b. Communication protocols with non-firm customers

4. Estates NY Real Estate Services LLC’s Proposal
 - a. Proposal for new service classification - Cost Based Rates to Large, Non-Residential, Firm, Dual Fuel Customers

5. The power generation/non-firm study outlined in Appendix 10 will be used to inform consideration of the issues to be discussed in this collaborative

APPENDIX 12

CORPORATE STRUCTURE AND AFFILIATE RULES

The following Corporate Structure and Affiliate Rules apply to The Brooklyn Union Gas Company d/b/a National Grid NY (“KEDNY”) and KeySpan Gas East Corporation d/b/a National Grid (“KEDLI”) (collectively, the “Companies”).

1. Definitions used in this document

UK HoldCo – the top level holding company in the National Grid group. This is National Grid plc or its successor as the ultimate parent holding company.

US HoldCo – the immediate parent and holding company for National Grid’s US utility operations. This is National Grid USA or its successor.

As used in this Appendix 12, “HoldCo” refers to both UK HoldCo and US HoldCo. Where explicit reference to one of the HoldCos is required, the term “UK HoldCo” or “US HoldCo” will be used.

RegCo – means KEDNY or KEDLI and each of their successors. KEDNY and KEDLI are wholly owned indirect subsidiaries of US HoldCo and carry on regulated gas distribution services.

ServiceCo – means National Grid USA Service Company, Inc. and National Grid Engineering & Survey Inc., or any successor(s) thereto, which provide a variety of traditional corporate, administrative, and other services.

Unregulated Competitive Energy Affiliate(s) – means any of US HoldCo’s current or future unregulated affiliates engaged in competitive energy markets in New York State, including exploration and/or production, generation, retail energy services, or HVAC services.

Unregulated Affiliate(s) – means any of US HoldCo’s current or future affiliates engaged in competitive retail services that KEDNY or KEDLI contracts for or provides.

National Grid Other Affiliates – means affiliates of HoldCo, including affiliates of KEDNY or KEDLI, but excluding Unregulated Competitive Energy Affiliates and Unregulated Affiliates.

2. Rules Governing Affiliate Transactions

2.1 Separation and Location

RegCo, HoldCo, Unregulated Competitive Energy Affiliates, Unregulated Affiliates and National Grid Other Affiliates will each be operated as separate entities and will maintain separate books and records of account. RegCo, HoldCo, ServiceCo and National Grid Other Affiliates may occupy the same building. RegCo may also share premises with National Grid

Other Affiliates engaged in regulated gas and/or electric transmission and/or distribution operations if such sharing provides for efficiencies in occupancy and use of resources. RegCo may not share a building with any Unregulated Competitive Energy Affiliates or Unregulated Affiliates.

2.2 Board of Directors

A majority of the RegCo Board of Directors will be Eligible Directors. An Eligible Director is any individual who is not (i) an officer or director of HoldCo or (ii) an officer or director of any Unregulated Competitive Energy Affiliate or Unregulated Affiliate. No member of the RegCo Board of Directors will also be an employee, officer or director of any Unregulated Competitive Energy Affiliate or Unregulated Affiliate. No member of the RegCo Board of Directors will also be an employee, officer or director of any unaffiliated competitive energy firm engaged in exploration and/or production, generation, retail energy services or HVAC services in RegCo's service territory. No member of the RegCo Board of Directors will also be an employee, officer or director of any unaffiliated firm engaged in competitive retail services that KEDNY or KEDLI contracts for or provides.

2.3 Accounting Issues and Financial Protections

2.3.1 Under United States Generally Accepted Accounting Principles (US GAAP) for purchase accounting, the total acquisition price, together with transaction costs, in excess of the fair market value assigned to the assets and liabilities of the acquired company are recorded as goodwill on the acquired company's accounts. Under Financial Accounting Standards Board (FASB) standards for accounting for goodwill, goodwill is not amortized against earnings. Instead, goodwill is reviewed for impairment and written down and expensed only in a period in which the goodwill's recorded value exceeds its fair value. As set forth in Section 1 of Appendix 5 of the Merger & Gas Revenue Requirement Joint Proposal (Dated July 6, 2007) in Case 06-M-0878, as adopted by the Commission's September 17, 2007 Order in that case, no goodwill will be recorded on KEDNY's or KEDLI's regulatory accounts that are subject to the jurisdiction of the Commission. As a result, there will be no ratemaking effects associated with recording goodwill under US GAAP for KEDNY and KEDLI.

2.3.2 The financial protections in Appendix 5 of the Merger & Gas Revenue Requirement Joint Proposal (dated July 6, 2007) in Case 06-M-0878, as modified by the Commission's September 17, 2007 Order in that case, will continue in full force and effect in accordance with their terms.

2.4 Cost Allocation and Audit

2.4.1 Appropriate cost allocation procedures will be followed by HoldCo and its affiliates to assure the proper allocation on a fully distributed basis, to HoldCo, RegCos, or other affiliates of the costs of any HoldCo personnel, property or services used by RegCo or other affiliates of HoldCo.

2.4.2 Any future revisions to cost allocation methodologies of ServiceCo will be filed with the Secretary of the Commission.

2.4.3 The FERC carries out regular audits of ServiceCo. Such audits include examination of authorized cost allocation calculations and a review of internal audit policies, procedures and reports. The Department of Public Service will be invited to participate in such audits to receive assurance that applicable transactions and/or allocations are being carried out in a compliant fashion. The Department of Public Service will also receive copies of all reports issued to the Companies by FERC as a result of such audits.

2.4.4 The Companies will meet annually with DPS Staff to review all aspects of cost allocations and their application.

2.4.5 If at any time the Companies becomes aware of events likely to cause a reconsideration of or material change to cost allocations, they will advise Staff and arrange a meeting to consider those issues at that time.

2.5 Transfer RegCo Assets

Transfers of assets (or rights to use such assets) from RegCo to Unregulated Competitive Energy Affiliate(s) and Unregulated Affiliate(s) will be priced at the higher of book value or fair market value and will be subject to Commission approval, except as otherwise provided in Mutual Assistance Agreements.

2.6 Transfer of Services

The provision of corporate services will be subject to written contracts that, as applicable, identify the personnel, assets, and services that will be provided. The services will be provided on a fully loaded cost basis. The RegCo, HoldCo, ServiceCo, Unregulated Competitive Energy Affiliates, Unregulated Affiliates and National Grid Other Affiliates may be covered by common property/casualty and other business insurance policies. The costs of such policies will be allocated among the RegCo, HoldCo, ServiceCo, Unregulated Competitive Affiliates, Unregulated Affiliates and National Grid Other Affiliates in an equitable manner.

3. Human Resources

3.1 Separation of Employees and Officers

RegCo will have separate employees from Unregulated Affiliates and Unregulated Competitive Energy Affiliates. Operating officers (*i.e.*, those officers providing other than corporate services) of RegCo will not be operating officers of any of the Unregulated Affiliates and Unregulated Competitive Energy Affiliates. An officer of HoldCo may not be an officer of both RegCo and an Unregulated Affiliate or Unregulated Competitive Energy Affiliate. No RegCo employee or officer will also be an employee, officer or director of any unaffiliated competitive energy firm

engaged in the exploration or production, generation, retail energy services or HVAC services in RegCo's service territory. No RegCo employee or officer will also be an employee, officer or director of any unaffiliated firm engaged in competitive retail services that KEDNY or KEDLI contracts for or provides.

3.2 Employee Transfers

3.2.1 If a RegCo employee accepts a position with an Unregulated Affiliate or Unregulated Competitive Energy Affiliate, he or she will be required to resign from RegCo unless there is a conflict with the collective bargaining agreement, in which case the collective bargaining agreement would control. Any such employee will be prohibited from copying or taking any non-public customer or competitively sensitive market information from RegCo.

3.2.2 Employees may be transferred from RegCo to an Unregulated Affiliate or Unregulated Competitive Energy Affiliate. Transferred employees may not be reemployed by RegCo for a minimum of one year after transfer. Employees returning to RegCo may not be transferred again to an Unregulated Affiliate or Unregulated Competitive Energy Affiliate for a minimum of one year. RegCo will file annual reports to the Commission showing transfers between RegCo and Unregulated Affiliates or Unregulated Competitive Energy Affiliate by employee name, former company, former position, new company, new position, and salary or annualized base compensation. There will not be any temporary employee transfers between RegCo or US HoldCo and any Unregulated Affiliates.

3.2.3 Except as provided in this Section 3.2, employees may be transferred from RegCo to HoldCo or any National Grid Other Affiliate (and vice-versa) without restriction.

3.3 Employee Loans in an Emergency

The foregoing provisions in no way restrict any affiliate from loaning employees to RegCo to respond to an emergency that threatens the safety or reliability of service to consumers.

3.4 Compensation for Transfers to Other than a Transmission or Distribution Company

A one time employee transfer credit equal to 25% of the employee's annual salary will be applied to the deferral account for each transfer from RegCo to any Unregulated Competitive Energy Affiliate.

3.5 Employee Compensation and Benefits

The compensation of RegCo employees and officers may not be tied to the financial and/or stock performance of any Unregulated Competitive Energy Affiliate or National Grid Other Affiliate, but may be tied to the financial performance of HoldCo and stock performance of UK HoldCo.

Employees of HoldCo, RegCo, ServiceCo, Unregulated Affiliates, Unregulated Competitive Energy Affiliates and National Grid Other Affiliates may participate in common pension and benefit plans.

3.6 Legal Representation

With respect to all matters handled by outside counsel, HoldCo and its affiliates shall instruct outside counsel to take all reasonable steps to ensure that non-public customer and competitively sensitive information in the position of RegCo is not communicated to an affiliate.

4. Reporting

Annually, RegCo will file reports on: transfers of assets, cost allocations, employee transfers and employees in common benefit plans.

5. Access to Books, Records and Reports

Staff will have full access, on reasonable notice, and subject to resolution of confidentiality and privilege (*e.g.*, attorney client, attorney work product, self-critical) issues, to: (i) the books and records of UK HoldCo and of the US HoldCo and its majority owned subsidiaries; and (ii) the books and records of all other HoldCo subsidiaries or affiliates, in English, to the extent necessary to audit and monitor any transactions that have occurred between RegCo and such subsidiaries or affiliates. Such access to books and records will be provided at National Grid's MetroTech headquarters.

DPS Staff currently receive copies of a number of internal utility documents. It is the Companies' intention to continue to provide information with a similar scope and content to that currently provided. However, the Companies may wish to modify the form and/or content of their internal documents from time to time. In such cases, the Companies will discuss and agree with Staff the ongoing information requirements and the most appropriate way for them to be met in the future.

6. Standards of Competitive Conduct

The following standards of competitive conduct will govern RegCo's relationship with any Unregulated Competitive Energy Affiliates, Unregulated Affiliates or National Grid Other Affiliates, in addition to any already covered by the Commission's rules governing Uniform Business Practices.

6.1 Use of Corporate Name and Royalties

There are no restrictions on any affiliate using the same name, trade names, trademarks, service names, service marks or a derivative of a name of the HoldCo or RegCo, or in identifying itself

as being affiliated with the HoldCo or RegCo. However, no non-National Grid company will be allowed to use the same name, trade names, trademarks, service names, service marks or a derivative of a name of RegCo in any manner. Further, no non-National Grid company will be allowed to use the same name, trade names, trademarks, service names, service marks or a derivative of a name of HoldCo in New York State for a period exceeding 6 months, provided that such use will be limited to the situation where National Grid has sold the relevant business (or the assets of the business) and restricted to (i) use of the National Grid logo during the pendency of the transition to new ownership (*e.g.*, vehicle and facility signage) and (ii) educating customers about the sales transaction and the impacts on customers. During that 6 month period, DPS Staff will be given the opportunity to preview any communication using National Grid's name or logo that is to be sent from a non-National Grid company to National Grid's utility customers in New York. DPS Staff may, in the exercise of reasonable discretion, reject any customer communication it deems not in compliance with this section by providing National Grid with written notice of its specific objections. A communication will be deemed acceptable unless DPS Staff objects in a writing received by the Companies within five business days of Staff's receipt of such communication from National Grid. DPS Staff and the Companies will work collaboratively to resolve any disagreement as to the content of the communication.

6.2 Sales Leads

RegCo will not provide sales leads involving customers in its service territory to any affiliated or non-affiliated companies without the advanced permission of the Commission.

6.3 Customer Inquiries

If a customer requests information about securing any service or product offered by energy services companies ("ESCOs"), the RegCo may provide a list of all known ESCOs operating in the area, which may include its Unregulated Competitive Energy Affiliate(s).

6.4 No Advantage Gained by Dealing with Affiliate

6.4.1 RegCo will refrain from giving any appearance that RegCo speaks on behalf of an affiliate or that an affiliate, other than ServiceCo, speaks on behalf of the RegCo. RegCo will not participate in any joint promotion or marketing with its Unregulated Competitive Energy Affiliates or Unregulated Affiliates.

6.4.2 RegCo will not represent to any customer, supplier or third party that an advantage may accrue to such customer, supplier or third party in the use of the RegCo's services as a result of that customer, supplier or third party dealing with any affiliate.

6.4.3 RegCo's affiliates will not represent to any customer, supplier or third party that an advantage may accrue to such customer, supplier or third party in the use of the RegCo's services as a result of that customer, supplier or third party dealing with that affiliate.

6.4.4 These provisions do not restrict the use of the name of HoldCo or RegCo as set forth in Section 6.1.

6.5 **No Rate Discrimination**

All similarly situated customers, including ESCOs and customers of ESCOs, whether affiliated or unaffiliated, will pay the same rates for the RegCo's utility services. If there is discretion in the application of any tariff provision, RegCo must not offer its affiliate more favorable terms and conditions than it has offered to all similarly situated competitors of the affiliate.

7. **Annual Meeting**

Senior management of RegCo and US HoldCo will meet annually with senior Commission Staff to discuss the Companies' plans related to capital attraction and financial performance.

8. **Training and Certification/Adherence to Standards**

US HoldCo and RegCo will conduct training on these principles for officers, directors and senior managers. On an annual basis, designated officers should provide certification to the PSC of the companies' adherence to these standards.

If the Commission at any time makes a finding that it believes that compliance with these provisions has been lacking, the Commission can order RegCo to pay for an independent auditor review of all applicable transactions and/or allocations.

9. **Commercialization of Products and Technologies Developed as a Result of Research and Development**

The Companies' affiliates may invest in commercialization of R&D products and technologies developed by RegCo consistent with its affiliate rules. If an affiliate elects to invest, it will fairly compensate RegCo, assume the business risk(s) and will be entitled to the benefits associated with that investment.