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New England Gas Company

July 30, 2004

VIA HAND DELIVERY

Luly Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Boulevard Warwick, RI 02888

Re: Docket No. 3548/ Distribution Adjustment Charge Filing

Dear Luly:

Enclosed is an original and nine copies of testimony of Peter C. Czekasnki in support of changes to the various components of the distribution adjustment charge ("DAC"). The testimony proposes updated factors for effect November 1, 2004. The proposed rates represent a \$0.0278 per therm increase from the currently effective DAC rates. This per therm increase correlates to an increase of approximately \$29 per year for the typical residential heating customer.

Thank you for your attention to this filing. If you have any questions, please do not hesitate to contact me.

Sincerely,

Sharon Partridge

Vice President of Finance

Enc.

CC:

Paul Roberti, Esq. Steve Scialabba Bruce Oliver David Effron Cheryl Kimball, Esq.

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS PUBLIC UTILITIES COMMISSION

NEW ENGLAND GAS COMPANY DOCKET NO. 3548

DIRECT TESTIMONY

OF

PETER C. CZEKANSKI

July 30, 2004

I. INTRODUCTION

- 1 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- 2 A. My name is Peter C. Czekanski. My business address is 100 Weybosset Street,
- 3 Providence, RI 02903.
- 4 Q. WHAT IS YOUR POSITION AND RESPONSIBILITIES?
- 5 A. I am Director of Pricing for the New England Gas Company ("NEGC" or the
- 6 "Company"). My responsibilities include overseeing the design, implementation and
- administration of rates charged by NEGC. I also direct the development of the
- 8 Company's sales and revenue forecasts.
- 9 Q. WHAT IS YOUR PROFESSIONAL AND EDUCATIONAL BACKGROUND?
- 10 A. I was first employed by Providence Gas Company ("ProvGas") in January 1995 as a
- Pricing Analyst with responsibility for assisting in rate design, tariff administration
- and other regulatory activities. I was promoted to my current position in March 1998.
- I have previously testified in numerous proceedings before this Commission,
- including: (1) Docket No. 3401, the Company's most recent rate case proceeding; (2)
- Docket No. 3436, the Gas Cost Recovery filing; (3) Docket Nos. 1673 and 1736, the
- former ProvGas and Valley Gas cost of gas adjustment filings; (4) Docket No. 2902,
- enhancements to the Business Choice Program; and (5) in the Docket Nos. 3459 and
- 18 3548 in support of the Distribution Adjustment Charge. I have also testified before

1		the Massachusetts Department of Telecommunications and Energy on behalf of North
2		Attleboro Gas Company in Dockets D.T.E. 01-17 and D.T.E. 01-47.
3		Prior to joining NEGC, I was employed by NYNEX (now Verizon) for 24 years
4		where I held various positions in the Regulatory, Government Relations and
5		Marketing departments. While part of the Regulatory department at NYNEX, I
6		prepared and filed testimony and testified in various dockets before the Rhode Island,
7		Massachusetts and Vermont regulatory commissions on matters related to rate design,
8		pricing and cost issues.
9		My educational background includes a Bachelor of Science degree in Electrical
10		Engineering from Brown University. In addition, during my career at NYNEX, I
11		completed a variety of business and management courses.
12	Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY?
13	A.	The purpose of this testimony is to describe the changes to the various components of
14		the Distribution Adjustment Charge ("DAC") and to propose updated factors to be
15		effective November 1, 2004. In addition, this testimony will describe the

17 Q. HOW IS YOUR TESTIMONY ORGANIZED?

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18 A. My testimony is composed of four (4) general sections: *I.* the Introduction; *II.* a DAC Summary; *III.* the DAC Component Details; and *IV.* the DAC FY04 Reconciliation.

reconciliation of various DAC components for fiscal year 2004 (FY04).

(Q.	ARE	THERE	ANY	ATTACHMENTS	ACCOMPANYING	YOUR
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- 2 TESTIMONY?
- 3 A. Yes. I am sponsoring the following Attachments:

4	PCC-1	Summary of Distribution Adjustment Charges
5	PCC-2	Typical Customer Bill Impacts
6	PCC-3	System Pressure
7	PCC-4	Environmental Response Cost
8 .	PCC-5	On-System Margin Credits
9	PCC-6	Weather Normalization
10	PCC-7	FY04 Reconciliation

II. DAC SUMMARY

- 11 Q. PLEASE DESCRIBE THE DAC AND THE VARIOUS COMPONENTS THAT
- 12 ARE INCLUDED.
- 13 A. The DAC was established in Docket No. 3401 to provide for the recovery and
- reconciliation of the costs of identifiable special programs, as well as to facilitate the
- timely rate recognition of incentive provisions. As described in the Company's tariff
- NEGC No. 101 in Section 3, Schedule A, the DAC includes an annual System
- 17 Pressure factor, a Demand Side Management ("DSM") factor, a Low Income
- Assistance Program ("LIAP") factor, an Environmental Response Cost ("ERC")
- factor, an On-System Margin Credit factor, a Weather Normalization ("WN") factor,
- an Earnings Sharing factor and a Reconciliation factor for the previous year.

21 Q. WHAT IS THE PROPOSED DAC RATE?

- 1 A. The proposed DAC rate is \$0.0030 per therm for all customer rate classes. These
 2 rates represent a \$0.0278 per therm increase from the currently effective DAC rate.
 3 Attachment PCC-1 provides a summary of the proposed DAC rate and the various
 4 components. Consistent with the provisions of the Company's tariff NEGC 101,
 5 Section 3, Schedule A, these rates are proposed to be effective with consumption
 6 starting November 1, 2004.
- 7 Q. WHAT IS THE IMPACT OF THE PROPOSED DAC ON CUSTOMERS?
- A. The overall impact of the proposed DAC on customer bills will be an increase for customers. A typical residential heating customer using 1,035 therms per year will see an increase of approximately 2% or \$29 per year. A summary of customer bill impacts over a range of consumption for the various rate classes is shown on Attachment PCC-2.

III. DAC COMPONENT DETAILS

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Q. WHAT IS THE SYSTEM PRESSURE COMPONENT

14 A. Maintaining proper operating pressures on the Company's distribution system
15 requires the occasional use of the Company's LNG facilities. The system pressure
16 component reflected in the DAC represents the associated projected LNG costs for
17 the period November 1, 2004 through October 31, 2005. This component reflects the
18 product of forecasted 2004-05 LNG costs (withdrawal commodity, inventory

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financing, and supplier demand) and the percentage of local storage used to maintain system pressures. As established in Docket No. 3401, NEGC's system balancing percentage is 20.39 percent. The LNG system pressure portion of LNG Operating and Maintenance costs was established at the time of the Company's last rate case and is recovered in base rates.

Q. HOW DID THE COMPANY ESTABLISH THE LNG COSTS REFLECTED IN

THIS FILING?

The LNG costs reflected in this filing are based on preliminary cost estimates that will be updated as part of the Company's September 1, 2004 Gas Cost Recovery ("GCR") filing (Docket No. 3436). In the GCR filing, LNG related commodity costs are calculated for the future 12-month period November 2004 through October 2005. The system pressure component is then subtracted out for purposes of calculating the GCR charge. This filing incorporates that system pressure component for the 12-month period November 2004 through October 2005. See Attachment PCC-3.

O. PLEASE DESCRIBE THE DSM PROGRAM.

The existing DSM program was established in Docket No. 2025 to promote development of energy-efficient natural gas technologies that increase utilization of natural gas during periods of low demand. Increased off-peak usage reduces the unit cost of gas for all customers by generating distribution revenues to support fixed costs associated with resources needed during peak periods. The DSM program provides

- 1 rebates for technologies such as natural gas powered fleet vehicles, chilling systems,
- 2 electrical generators, process heating, desiccant dehumidifiers, as well as for
- 3 residential high efficiency space heating equipment.

4 Q. IS THE COMPANY PROPOSING ANY CHANGES TO THE DSM

5 **PROGRAM?**

- 6 A. Not as part of this filing. The Company is a participant in the Rhode Island
- 7 Greenhouse Gas ("RI GHG") process and is currently working on possibly adding
- 8 some programs to the existing DSM program. Any such changes will be filed with
- 9 the Commission separate from this docket and are being designed to not involve any
- 10 change in the level of annual funding.

11 Q. WHAT IS THE CURRENT LEVEL OF FUNDING?

- 12 A. Under Commission Order No. 17381 in Docket No. 3401, funding was included in
- base rates at an annual level of \$300,000. Since the Company is not proposing any
- change to the existing program or level of funding at this time, there is no proposed
- adjustment to the base rate annual funding. The DSM component of the DAC
- remains at zero.
- 17 Q. WHAT LEVEL OF FUNDS ARE AVAILABLE FOR NEW PROJECTS IN
- 18 FY2004?

- 1 A. For FY2005, the Company has available \$1,307,000 for DSM projects. This reflects \$1,007,000 carried over from FY2004 plus the above mentioned annual funding of \$300,000.
- 4 Q. PLEASE DESCRIBE THE LOW INCOME ASSISTANCE PROGRAMS.
- The low-income assistance programs included with this DAC component are the Low 5 A. Income Heating Energy Assistance Program ("LIHEAP") and the Low Income 6 Weatherization Program. LIHEAP is a Federally-funded, State administered program 7 providing funding to assist low income customers in paying their heating bills. The 8 NEGC program piggybacks on the State program and provides additional credits on 9 The Low Income Weatherization Program provides 10 customers' gas bills. supplemental funding to the weatherization program administered by the Rhode 11 Island Energy Office. Under Commission Order No. 17381 in Docket No. 3401, 12 funding for LIHEAP and the weatherization program was included in base rates at an 13 annual level of \$1,585,000 and \$200,000 respectively. The Company is not 14 proposing any change to the existing program or level of funding at this time. 15 Accordingly, the Low Income Assistance Programs component of the DAC remains 16 17 at zero.
- Q. WHAT LEVEL OF FUNDS ARE AVAILABLE FOR LOW INCOME
 ASSISTANCE PROGRAMS IN FY2004?

1	A.	For FY2005, the Company has available \$1,585,000 for LIHEAP and \$200,000 for
2		the low income weatherization program. There are also an additional \$3,325 of funds
3		being carried over from FY2004 for LIHEAP.

- 4 Q. PLEASE EXPLAIN THE PURPOSE OF THE ENVIRONMENTAL RESPONSE COST FACTOR.
- A. The ERC Factor is designed to allow NEGC to recover its reasonable and prudently incurred costs for evaluation, remediation and clean-up of the sites associated with NEGC's ownership and operation of manufactured gas plants ("MGP"), manufactured gas storage facilities, and MGP-related off-site waste disposal locations. In addition, the ERC Factor includes recovery of environmental costs for removing and replacing mercury regulators and addressing meter disposal issues.

12 Q. PLEASE DESCRIBE THE PROPOSED ERC FACTOR.

A. Consistent with the Company's Tariff, NEGC No. 101, Section 3, Schedule A, Item
3.4, the ERC factor is a per-therm charge that reflects the 10-year amortization of
Environmental Response Costs. As shown on Attachment PCC-4, the proposed ERC
factor reflects unamortized environmental costs through the end of fiscal year 2001,
net environmental costs in fiscal years 2002 through 2004 and the level of ERC
funding embedded in base rates. The net environmental costs for fiscal year 2004 are
\$187,282. It should be noted that the fiscal year 2004 data is considered preliminary

- and if there are any changes when the Company's books are finalized for the fiscal year, the Company will file an updated calculation.
- 3 Q. WHAT IS THE CREDITING OF MARGINS FROM ON-SYSTEM NON-FIRM
- 4 SALES AND TRANSPORTATION?

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- A. The crediting of margins from on-system non-firm sales and transportation services provides an offset to some of the distribution system costs. Under the provisions in NEGC No. 101 Section 3, Schedule A 3.5, an annual threshold level for non-firm sales and transportation margins is established at \$1.6 million. For each twelvementh period beginning July 1st, all margins derived from non-firm sales and transportation over the threshold level shall be shared on a 75 percent 25 percent basis between customers and shareholders. If the annual margins are less than the threshold, the shortfall will be recovered from customers.
- 13 Q. PLEASE DESCRIBE THE CALCULATION OF NON-FIRM MARGINS AND

 14 ANY AMOUNTS AVAILABLE FOR SHARING WITH CUSTOMERS.
- 15 A. Non-firm margins are calculated as the difference between non-firm sales and
 16 transportation revenues and non-firm gas costs. For the 12-months ending June 30,
 17 2004, the Company recorded \$1,928,686 of non-firm margins net of gross earnings
 18 tax, \$328,686 more than the \$1.6 million threshold. Seventy-five percent of the
 19 \$328,686, or \$246,514 will be credited to customers and twenty five percent, or

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- \$82,171, will be retained by the Company. Attachment PCC-5 shows the monthly non-firm margins and the calculation of the margin sharing.
 - Q. PLEASE EXPAIN THE WEATHER NORMALIZATION COMPONENT.
 - A. The weather normalization clause provides for crediting/debiting customers when weather over the past winter is colder/warmer than normal. In the November through April period, if weather was more than 2 percent colder than normal or more than 2 percent warmer than normal a credit/debit is calculated at the rate of \$9,000 per degree day. During the winter period November 2003 through April 2004, the weather was colder than normal and there were 58 degree days in excess of the threshold, which equates to \$522,000 to be credited to customers. Attachment PCC-6 shows the calculation of the weather normalization credit.

12 Q. PLEASE DESCRIBE THE EARNINGS SHARING COMPONENT.

A. Under the provisions of the Commission approved settlement agreement in Docket No. 3401, an incentive-based Earnings Sharing Mechanism ("ESM") was established to provide for the sharing of consolidation savings between the Company and its customers. The ESM is based on a benchmark return on equity of 11.25 percent, excluding the Company's portion of non-firm margins described earlier in this testimony. Any annual earnings over 11.25 percent in the prior fiscal year, up to and including 100 basis points, will be shared 50 percent to customers and 50 percent to

1		the Company. Any earnings in excess of 12.25 percent will be shared 75 percent to
2		customers and 25 percent to the Company.
3	Q.	HAS THE COMPANY PERFORMED THE EARNINGS SHARING
4		CALCULATION FOR INCLUSION IN THIS TESTIMONY?
5	A.	The Company has not yet performed the earnings sharing calculation because the
6		Company's financial data for the fiscal year ending June 30, 2004 has not yet been
7		completed. The Company's outside auditors are still in the process of reviewing the
8		Company's financial records. As soon as the data is available, the Company will
9		perform this calculation and will supplement this filing with testimony supporting the
10		calculation no later than September 1, 2004.
11	Q.	LAST OCTOBER THE COMMISSION APPROVED INTERIM EARNINGS
12		SHARING AT THE LEVEL OF \$5,212,000 AND MADE ADDITIONAL
13		ADJUSTMENTS AT AN OPEN MEETING IN APRIL, 2004. ARE THESE
14		ADJUSTMENTS IN THIS FILING?
15	A.	No, they will be included with the Company's earnings sharing supplement filing
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16		mentioned above.
17	Q.	SHOULD THERE BE A COMPONENT IN THE DAC FOR PENALTIES
18		UNDER THE COMPANY'S SEVICE QUALITY PROGRAM?

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Yes. In the Service Quality Docket No. 3476, it was agreed that any penalty amounts resulting from the approved Service Quality Plan would be passed on to customers in the DAC as part of the Company's annual DAC filing. As reflected in the Company's Fiscal Year 2004 Annual Report on Service Quality Plan (filed with the Commission under cover letter dated July 30, 2004) the performance was within the established benchmarks and no penalties were applicable. Accordingly, there are no service quality penalties included in the current DAC filing.

IV. DAC FY04 RECONCILIATION

8 Q. WHAT IS COVERED UNDER THE RECONCILIATION COMPONENT OF

THE DAC?

The unit DAC rates for the previously described components are established on the basis of a projected level of consumption. The Reconciliation component of the DAC allows for the reconciliation of the actual costs and revenues with the previous projections. The individual items being reconciled fall into one of two general groupings, those being reconciled on the basis of FY04 going from July 2003 through the end of June 2004 and those being reconciled on the basis of the gas year which goes from November 2003 through the end of October 2004. A summary of the various items being reconciled is shown on Attachment PCC-7, page 1. The first three items shown relate to the reconciliation of actual levels of revenues collected versus the level of funding that was incorporated in the establishment of base rates. For

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example, at the time of the Company's last rate case, Docket No. 3401, it was agreed to include in the development of base distribution rates, low income assistance funding at the level of \$1,785,000 plus a working capital allowance. The reconciliation accounts for any differences in total consumption or firm throughput during FY04 versus at the time of Docket No. 3401 to insure that low income assistance funding is maintained at the annual level of \$1,785,000. Similarly, DSM funds and Environmental Response Cost funds are reconciled with the approved base rate levels of \$300,000 plus a working capital allowance and \$1,310,000 respectively.

9 Q. PLEASE DESCRIBE THE DSM RECONCILIATION.

A. As described above, the DSM base rates reconciliation accounts for actual DSM revenues collected versus the FY04 level of funding built into base rates. During FY04, revenue collected was greater than projected due to the colder than normal winter resulting in an overcollection as of June 30, 2004 of \$15,775 as shown on Attachment PCC-7 page 1.

Q. WHAT ABOUT THE LIAP AND ENVIRONMENTAL BASE RATE RECONCILIATION AMOUNTS?

A. Similar to the situation with DSM there were overcollections resulting in June 30, 2004 balances of \$94,105 and \$68,719 for the LIAP and Environmental base rates items respectively. These amounts are shown on Attachment PCC-7 page 1 with monthly details shown on pages 2 and 3.

1 Q. ARE THESE THE ONLY ITEMS RECONCILED ON THE BASIS OF A

2 FISCAL YEAR?

- 3 A. No. During FY04, there was a net credit of \$948,589 being refunded through the
- 4 DAC to former ProvGas customers under the terms of the Energize Rhode Island -2
- 5 program (ERI-2). This ERI-2 factor shown on line 10 on page 1 of Attachment PCC-
- 6 7 is being reconciled on the basis of the fiscal year.

7 Q. PLEASE DESCRIBE THE RECONCILIATION OF SYSTEM PRESSURE.

- 8 A. When the current DAC was established on November 1, 2003, the system pressure
- 9 component was calculated on the basis of projected LNG costs included in the
- 10 Company's September 2003 GCR filing. This past winter was colder than normal,
- resulting in more LNG being used than projected and at the same time the cost of the
- LNG commodity was higher than projected. As shown on page 1 of Attachment
- PCC-7, the net result is a system pressure undercollection with a deferred cost
- balance of \$540,519 as of the end of October 2004. A detailed calculation of the
- deferred balance is provided on page 4.

16 Q. WHAT IS THE ENVIRONMENTAL - DAC RECONCILIATION ITEM

- 17 SHOWN ON ATTACHMENT PCC-7, PAGE 1, LINE 10.
- 18 A. Whereas the previously described environmental reconciliation item was a true-up to
- the level of funding reflected in base distribution rates, the environmental-DAC

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pace. During FY03 insurance recoveries were in excess of expenses and the 2003-2004 DAC. During FY03 insurance recoveries were in excess of expenses and the 2003-2004 DAC reflected a net credit to customers of \$660,242. Due to the colder than normal winter in FY04 total thru-put was greater than projected resulting in crediting customers more than the \$660,242. This reconciliation item reflects a deferred balance of \$9,675 to be collected from customers in the upcoming year. A detailed calculation is shown on Attachment PCC-7, page 4.

8 Q. PLEASE DESCRIBE THE ON-SYSTEM MARGIN CREDIT

9 **RECONCILIATION.**

In the 2003-2004 DAC, there was a credit of \$444,274 as a result of FY03 non-firm margins in excess of the \$1.6 million dollar threshold established in Docket No. 3401.

The On-System Margin Credit reconciliation calculates that the deferred balance of that account at the end of October 2004 will be a positive \$4,537 meaning customers received credits in excess of the \$444,274.

Q. WHAT ABOUT THE REMAINING RECONCILIATION ITEMS?

16 A. The Weather Normalization and Earnings Sharing Mechanism items are similar to the
17 Environmental-DAC and On-System Margin Credit items described above. In the
18 2003-2004 DAC, all of these items reflected a credit going to customers and as a
19 result of increased thru-put due to colder than normal weather, the deferred balances
20 are positive amounts. The last reconciliation item, the Previous Reconciliation

-	Factor, is slightly different in that in the 2003-2004 DAC, this component was
2	intended to collect \$399,433 and the negative deferred balance shown on the
3	reconciliation indicates an over collection of \$3,242.

- 4 Q. DOES THIS CONCLUDE YOUR TESTIMONY?
- 5 A. Yes.

Summary of Distribution Adjustment Charge (\$ Per Therm)

Line No.	Description	reference	Factor
1	System Pressure	Attach, PCC3	\$0.0054
2	Demand Side Management (DSM)	PCC Testimony	\$0.0000
3	Low Income Assistance Programs (LIAP)	PCC Testimony	\$0.0000
4	Environmental Response Cost (ERC)	Attach. PCC-4	(\$0.0018)
5	On-System Margin Credits (MC)	Attach. PCC-5	(\$0.0007)
6	Weather Normalization (WN)	Attach. PCC-6	(\$0.0015)
7	Earnings Sharing Mechanism (ESM)	PCC Testimony	\$0.0000
8	Reconciliation Factor (R)	Attach. PCC-7	\$0.0015
9	Subtotal	sum ([1]:[8])	\$0.003 0
10	Uncollectible Percentage	Dkt 3401	2.10%
11	DAC adjusted for uncollectible	[9] / (1 - [10])	\$0.00301

due to:

GCR

	Curre	nt Distribution	Bill Impact Analysis: Current Distribution, GCR and DAC Rates vs. with Proposed DAC	nalysis: Rates vs. witl	n Proposed DAC	
Residential Heating:					Diff	Difference
Annual Consumption	Nov 04 - Oct 05	Currently Effective	Difference	% Chg	Base Rates	
776	\$1,059	\$1,038	\$22	2.1%	\$0	
828	\$1,121	\$1,098	\$23	2.1%	\$0	
880	\$1,182	\$1,157	\$24	2.1%	\$0	
932	\$1,243	\$1,217	\$26	2.1%	\$0	
983	\$1,304	\$1,276	\$27	2.1%	\$0	
1,035	\$1,364	\$1,335	\$29	2.2%	\$	
1,087	\$1,425	\$1,395	\$30	2.2%	\$0	
1,139	\$1,486	\$1,454	\$32	2.2%	\$0	
1,190	\$1,546	\$1,513	\$33	2.2%	\$0	
1,242	\$1,606	\$1,571	\$34	2.2%	\$0	
1,294	\$1,665	\$1,629	\$36	2.2%	0\$	
Residential Non-Heating:	leating:				JIIQ	Difference
	Nov 04 -	Currently				######################################
Consumption	Oct 05	Effective	Difference	% Chg	Base Rates	
						1

\$22 \$23 \$24 \$24 \$27 \$30 \$32 \$32 \$35 \$35 \$35

Annual Nov 04 - Currently Difference % Chg Base Rates Consumption Oct 05 Effective Difference % Chg Base Rates 115 \$238 \$209 \$29 13.8% \$0 122 \$248 \$217 \$31 14.1% \$0 130 \$258 \$225 \$33 14.5% \$0 138 \$258 \$233 14.8% \$0 145 \$278 \$241 \$37 15.1% \$0 145 \$278 \$249 \$37 15.1% \$0 153 \$257 \$40 15.7% \$0 161 \$307 \$265 \$42 15.9% \$0 176 \$327 \$289 \$44 16.2% \$0 184 \$327 \$289 \$48 16.6% \$0 191 \$337 \$289 \$48 16.6% \$0	Residential Non-Heating:	eating:				Differ	Difference due to:	
State Effective Difference % Chg \$238 \$209 \$29 13.8% \$248 \$217 \$31 14.1% \$258 \$225 \$33 14.8% \$268 \$233 \$35 14.8% \$278 \$249 \$37 15.1% \$286 \$249 \$38 15.4% \$297 \$257 \$40 15.9% \$307 \$265 \$42 15.9% \$317 \$281 \$46 16.2% \$337 \$289 \$48 16.6%		No volv	Curronfly					
\$238 \$209 \$29 13.8% \$248 \$217 \$31 14.1% \$258 \$225 \$33 14.5% \$268 \$233 \$35 14.8% \$268 \$237 15.1% \$37 15.1% \$307 \$265 \$42 15.9% \$37 \$281 \$589 \$48 16.2% \$337 \$589 \$589 \$668	_	Oct 05	Effective	Difference	% Chg	Base Rates	GCR	DAC
\$248 \$217 \$31 14.1% \$258 \$225 \$33 14.5% \$268 \$233 \$35 14.8% \$278 \$241 \$37 15.1% \$288 \$249 \$38 15.4% \$307 \$265 \$42 15.9% \$317 \$281 \$46 16.2% \$337 \$289 \$48 16.6%	15	\$238	\$209	\$29	13.8%	\$0	\$0	\$29
\$258\$225\$3314.5%\$268\$233\$3514.8%\$278\$241\$3715.1%\$286\$249\$3815.4%\$307\$265\$4215.9%\$317\$265\$4416.2%\$327\$281\$4616.4%\$337\$289\$4816.6%	22	\$248	\$217	\$31	14.1%	\$0	\$0	\$31
\$268 \$233 \$35 14.8% \$278 \$241 \$37 15.1% \$288 \$249 \$38 15.4% \$297 \$267 \$40 15.7% \$307 \$265 \$42 15.9% \$317 \$273 \$44 16.2% \$327 \$281 \$46 16.4% \$337 \$289 \$48 16.6%	30	\$258	\$225	\$33	14.5%	\$0	\$0	\$33
\$278 \$241 \$37 15.1% \$288 \$249 \$38 15.4% \$297 \$257 \$40 15.7% \$307 \$265 \$42 15.9% \$317 \$273 \$44 16.2% \$327 \$281 \$46 16.4% \$337 \$289 \$48 16.6%	38	\$268	\$233	\$35	14.8%	\$0	\$0	\$35
\$288 \$249 \$38 15.4% \$297 \$257 \$40 15.7% \$307 \$265 \$42 15.9% \$317 \$273 \$44 16.2% \$327 \$281 \$46 16.4% \$337 \$289 \$48 16.6%	45	\$278	\$241	\$37	15.1%	\$0	\$0	\$37
\$297 \$257 \$40 15.7% \$307 \$265 \$42 15.9% \$317 \$273 \$44 16.2% \$327 \$281 \$46 16.4% \$337 \$289 \$48 16.6%	53	\$288	\$249	838	15.4%	\$0	\$	\$38
\$307 \$265 \$42 15.9% \$317 \$273 \$44 16.2% \$327 \$281 \$46 16.4% \$337 \$289 \$48 16.6%	61	\$297	\$257	\$40	15.7%	\$0	\$0	\$40
\$317 \$273 \$44 16.2% \$327 \$281 \$46 16.4% \$337 \$289 \$48 16.6%	168	\$307	\$265	\$42	15.9%	\$0	\$0	\$42
\$327 \$281 \$46 16.4% \$337 \$289 \$48 16.6%	9/1	\$317	\$273	\$44	16.2%	\$0	\$0	\$44
\$337 \$289 \$48 16.6%	184	\$327	\$281	\$46	16.4%	\$0	\$0	\$46
	191	\$337	\$289	\$48	16.6%	\$0	\$0	\$48

C & I Small:

Attachment PCC-2 Docket No. 3548 July 30, 2004 Page 2 of 4

Bill Impact Analysis:

Current Distribution, GCR and DAC Rates vs. with Proposed DAC

## Criticence % Chg Base Rates GCR DAC ## S13 0.9% \$0 \$14 0.9% \$0 \$14 0.9% \$0 \$14 0.9% \$0 \$15 0.9% \$0 \$15 0.9% \$0 \$16 0.9% \$0 \$17 \$18 \$18 1.0% \$0 \$20 1.0% \$0 \$20 \$20 \$20 \$20 \$21 0.0% \$0 \$20 \$20 \$21 0.0% \$0 \$22 0.0% \$0 \$22 0.0% \$0 \$23 0 \$25 0.0% \$0 \$23 0 \$25 0.0% \$0 \$24 0.0% \$0 \$25 0.	Nov 04
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New England Gas Company Rhode Island Service Area

Bill Impact Analysis: Current Distribution, GCR and DAC Rates vs. with Proposed DAC

C & I LLF Large:

	DAC	\$1,403	\$1,496	\$1,590	51,683	31,777	31,870	\$1,964	32,057	\$2,151	\$2,244	\$2,338		DAC		403	\$1,496	1,590	1,683	\$1,777	\$1,870	\$1,964	\$2,057	\$2,151	\$2,244
Difference due to:	GCR			\$0\$									Difference due to:	GCR									\$0		
Differenc	Base Rates	0\$	\$0	0\$	\$0	\$0	\$	\$0	\$0	0\$	\$0	\$0	Difference	Base Rates	1. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	⊃ #	\$0	\$0	\$0	\$0	\$0	80	\$0	\$0	\$0
4	. Chg	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	7.6%		, Chg %		7.8%	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%
	Difference	\$1,403	\$1,496	\$1,590	\$1,683	\$1,777	\$1,870	\$1,964	\$2,057	\$2,151	\$2,244	\$2,338		Difference		\$1,403	\$1,496	\$1,590	\$1,683	\$1,777	\$1,870	\$1,964	\$2,057	\$2,151	\$2.244
:	Currently Effective	\$54.776	\$58,355	\$61,935	\$65,515	\$69,094	\$72,674	\$76,254	\$79,833	\$83,413	\$86,993	\$90,573	=	Currently Effective		\$49,672	\$52,911	\$56,151	\$59,390	\$62,630	\$65,869	\$69,108	\$72,348	\$75,587	\$78.827
2	Nov 04 - Oct 05	\$56,178	\$59,851	\$63,525	\$67,198	\$70,871	\$74,544	\$78,217	\$81,891	\$85,564	\$89,237	\$92,910	3	Nov 04 - Oct 05	***	\$51,074	\$54,407	\$57,740	\$61,073	\$64,406	\$67,739	\$71,072	\$74,405	\$77,738	\$81.071
,	Annual Consumption	50.456	53,819	57,183	60,547	63,910	67,274	70,638	74,001	77,365	80,729	84,093	C & I HLF Large:	Annual Consumption		50,456	53,820	57,184	60,548	63,911	67.275	70,639	74,003	77,366	80,730

Attachment PCC-2 Docket No. 3548 July 30, 2004 Page 4 of 4

Bill Impact Analysis: Current Distribution, GCR and DAC Rates vs. with Proposed DAC

Difference due to:

C & I LLF Extra-Large:

	DAC	\$5,934	\$6,330	\$6,726	\$7,121	\$7,517	\$7,913	\$8,308	\$8,704	\$9,099	\$9,495	\$9,891		DAC		\$5,726	\$6,108	\$6,489	\$6,871	\$7,253	\$7,635	\$8,016	\$8,398	\$8,780	\$9,161	\$9 543
	GCR	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Difference and to.	GCR		\$0	\$0	\$0	\$0	\$0	\$0	80	\$0	\$0	\$0	O\$:
	Base Rates	0\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	ם	Rase Rates		\$0	\$ 0	\$0	\$0	\$0	\$0	\$0	0	\$0	\$0	C#
	% Chg	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%		% Cha		3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3 1%
	Difference	\$5,934	\$6,330	\$6,726	\$7,121	\$7,517	\$7,913	\$8,308	\$8,704	\$9,099	\$9,495	\$9,891		Difference		\$5,726	\$6,108	\$6,489	\$6,871	\$7,253	\$7,635	\$8,016	\$8,398	\$8,780	\$9,161	\$0 543
3	Effective	\$203,420	\$216,742	\$230,063	\$243,384	\$256,706	\$270,027	\$283,349	\$296,670	\$309,991	\$323,313	\$336,634	3	Currently		\$185,337	\$197,452	\$209,568	\$221,684	\$233,800	\$245,916	\$258,031	\$270,147	\$282,263	\$294,379	\$308 A0A
No. OA	Oct 05	\$209.355	\$223,072	\$236,789	\$250,506	\$264,223	\$277,940	\$291,657	\$305,374	\$319,091	\$332,808	\$346,525	0	- 40 VON	60 130	\$191,063	\$203,560	\$216,058	\$228,555	\$241,053	\$253,550	\$266,048	\$278,545	\$291,043	\$303,540	\$316 A38
	Arinual Consumption	213.468	227 699	241 930	256,162	270,393	284,624	298,855	313,086	327,318	341,549	355,780		Annual	Consumption	205,969	219,700	233,431	247,163	260,894	274,625	288,356	302,088	315,819	329,550	343 281

Calculation of System Pressure Factor

	LNG Cor	nmodity Related C	costs	
-	Withdrawal	Inventory	Demand	
	Commodity	Costs	from GCR	
	(Dkt 3436)	(Dkt 3436)	(Dkt 3436)	Total
Nov-04	\$159.151	\$66,790	\$283,425	\$509,366
Dec-04	\$202,007	\$67,545	\$283,425	\$552,97 7
Jan-05	\$2,684,853	\$42,176	\$283,425	\$3,010,454
Feb-05	\$1,106,970	\$32,783	\$283,425	\$1,423,178
Mar-05	\$161,956	\$34,844	\$283,425	\$480,22 5
Apr-05	\$154,914	\$36,534	\$283,425	\$474,874
May-05	\$157,371	\$40,390	\$283,425	\$481,186
Jun-05	\$146,904	\$43,667	\$283,425	\$473,996
Jul-05	\$149,007	\$46,192	\$283,426	\$478,624
Aug-05	\$148,947	\$51,698	\$283,427	\$484 ,072
Sep-05	\$146,334	\$58,012	\$283,428	\$487,774
Oct-05	\$154,168	\$64,997	\$283,429	\$502,594
Total	\$5,372,581	\$585,629	\$3,401,110	\$9,359,320
System Balancing Factor (Dkt 3401)	0.2039	0.2039	0.2039	
GCR Costs allocated to DAC	\$1,095,469	\$119,410	\$693,486	\$1,908,365
Firm Thru-put (dth): (Dkt 3436)				35,569,425
System Pressure Factor (\$/dth)				\$0.0537 per Dt
System Pressure Factor (\$/therm)				\$0.0054 per Therm

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Environmental Response Cost (ERC) Factor

Where:		ERC 95-02 10	n Σ ERCyr + <u>x=n-9</u> 10 Dt	- ERC EMB
	ERC 95-02] Costs	\$15,570,621	(Dkt 3401; DIV 1-35)
		Revenue	\$2,504,368 <u>\$1,700,000</u> \$4,204,368	Revenues SUG Acquistion Adjustment
			\$11,366,253	Unamortized Environmental Costs through 2001
		FY 2002 Costs	\$2,172,287	Dkt 3459
		Revenue	\$678,288 <u>\$350,000</u> \$1,028,288	Revenues Insurance
			\$1,143,999	Net Environmental Costs FY2002
	n Σ ERCyr x=n-9	FY 2003 Costs	\$3,431,086	Dkt 3548
		Insurance sub-total	\$ <u>9.443.759</u> \$ <u>9.443.759</u>	Dkt 3548
			(\$6,012,673)	Net Environmental Costs FY2003
	n ∑ ERCyr x=n-9	FY 2004 Costs	\$831,038	page 2
		Insurance sub-total	<u>\$643,756</u> \$643,756	page 2
			\$187,282	Net Environmental Costs FY2004
	ERC Emb		\$1,310,000	Base Rate Embedded ERC funding
	Dt		35,569,425	Annual Dt Nov '04 - Oct '05
		\$12,510,253 10	+ <u>(\$6,012,673)</u> 10	+ \$187,282 - \$1,310,000 10 (\$641,514)
	ERCF =		35,569,425	= 35,569,425 Dt
				= (\$0.0180) per Dt = (\$0.0018) per therm
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Environmental Response Cost (ERC) Factor

Environme	ental Projects			
A/C # 1086	•	Bal @	Bal @	FY04
		6/30/2003	6/30/2004	Activity
I. Environmental Expe		\$0	\$0	\$0
907-1	Blackstone Street	\$1,341,302	\$1,420,955	\$79.652
907	Envir Phase II @ Aliens Ave	\$3,340,361	\$3,340,361	\$79,002
908	Allens Avenue		\$13,834,651	\$13,0 8 6
908 - 01	Allens Avenue	\$13,821,565		\$13,060
306	insur Pol, no Poliution Excl	\$40,002	\$40,002	\$14,007
307	PCB Reg Pipe Abandon.	\$19,679	\$33,686	
309	Manchester Street	\$152,861	\$152,861	\$0 \$0
317	Plympton	\$77,333	\$77,333	
379	Petroleum Site	\$524,079	\$487,965	(\$36,113)
700	18 & 21 Holders COR	\$54,746	\$58,046	\$3,300
161	Canal Street, Westerly	\$29,133	\$29,133	\$0
963	Narr. Electric, South St.	\$2,400	\$2,400	\$ 0
170	IAG Insurance Investment	\$47,987	\$47,987	\$0
170	General Enviro Issues	\$61,099	\$722,185	\$661,086
178	Site Inv Connell Hwy Newp	\$24,057	\$35,444	\$11,387
144	Westerly Soil Investigation	\$82,184	\$82,184	\$0
171	Contaminated Regulators	\$1,121,615	\$1,167,975	\$46,360
781	Mendon Road	\$121,355	\$121,35 5	\$0
782	Tidewater	\$284,887	\$321,832	\$36,945
783	Hamlet	\$9 5,970	\$96,9 6 1	\$991
784	Environmental Study	\$12,511	\$12,84 7	\$336
785	Gooding Ave	\$34,079	\$34,079	(\$0)
786	Plympton	\$23,382	\$23,382	(\$0)
	Sub-Total	\$21,312,588	\$22,143,626	\$831,038
II. Insurance Recover	w/Sattlement			
910	Environ Insur Settlement	(\$9,793,759)	(\$10,437,515)	(\$643,756)
910	Environ hisul Settlement	(φο,1ου,1ου)	(ψ10,401,010)	(\$040,100)
III. Environmental Am	ortization			
HE MINICHEST OF LAND	Beginning Balance	(\$4,882,656)	(\$6,133,681)	
	Amortization	(\$1,251,025)	(\$649,758)	
	Ending Balance	(\$6,133,681)	(\$6,783,439)	
		(+0,.00,001)	(7-,- 2-, -30)	

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On-System Margin Credit

	Non-Firm Margin
Jul-03	\$68,501
Aug-03	\$98,923
Sep-03	\$107,199
Oct-03	\$97,550
Nov-03	\$279,935
Dec-03	\$83,113
Jan-04	\$27,249
Feb-04	\$100,430
Mar-04	\$547,144
Apr-04	\$264,703
May-04	\$124,117
Jun-04	\$129,822
Total	\$1,928,686
Sharing Threshold	\$1,600,000
Margin in excess of Base Rate threshold	\$328,686
Company @ 25%	\$82,171
Ratepayers @ 75%	\$246,514
Annual Dt Nov 04 - Oct 05	35,569,425
On-System Margin (\$/Dt)	\$0.0069
On-System Margin (\$/Therm)	\$0.0007
j	

Worksheet for Weather Normalization Clause

Tariff: RIPUC NEGC No. 101, Section 3, Schedule 3.6 Weather Normalization:

The Company shall compare actual heating degree days ("DD") to normal heating degree days at the end of each peak season (November through April). For each DD greater than 4,874 (2% colder than normal), the Company shall credit the Weather Normalization Account an amount equal to \$9,000 per DD. For each DD less than 4,682 (2% warmer than normal), the Company shall debit the Weather Normalization Account at \$9,000 per DD.

Calculation of Winter Season 2002-2003 Weather Normalization

	Actual Heating
	Degree Days
Nov-03	549
Dec-03	893
Jan-04	1,345
Feb-04	921
Mar-04	796
Apr-04	457
TOTAL	4,961
Degree Day Threshold (colder than normal) (reflects leap year)	4,903
Degree Days in Excess of Threshold	-58
Mitigation \$ per Degree Day	\$9,000
Weather Mitigation	(\$522,000)
Annual Dt Nov 04 - Oct 05	35,569,425
Weather Normalization Factor (\$/Dt)	(\$0.0147)
Weather Normalization Factor (\$/therm)	(\$0.0015)

Distribution Adjustment Charge Reconciliation Factor (\$ Per Therm)

Ending Balance	(\$15,775) (\$94,105) (\$68,719) \$540,519 \$9,675 \$4,537 \$55,505 \$65,621 (\$3,242) \$44,641	\$538,656 35,569,425	\$0.0151 /dth \$0.0015 /therm
reference	PCC-7, page 2 PCC-7, page 2 PCC-7, page 3 PCC-7, page 4 PCC-7, page 4 PCC-7, page 5 PCC-7, page 5 PCC-7, page 5 PCC-7, page 5	sum ([1]:[10]) Nov 2004 - Oct 2005	[11] / [12]
Description	DSM Factor - Base Rates LIAP Factor - Base Rates Environmental - Base Rates System Pressure Environmental - DAC On-System Margin Credits Weather Normalization Earnings Sharing Mechanism Previous Reconciliation Factor ERI-2 Adjustments	Total Firm Thru-put (dth)	Reconciliation Factor (\$/dth) Reconciliation Factor (\$/therm)
Líne No.	- 10 8 4 5 5 6 C C C C C C C C C C C C C C C C C	17 17	£ 4

7/30/2004

Distribution Adjustment Charge Reconciliation Factor

New England Gas Company Rhode Island Service Area

Docket 3548 Attachment PCC-7

July 30, 2004

12-mth end Jun 04 Page 2 of 5 Jun-04 (actual) (\$0.003) (\$0.2039) 30 \$0.0379 \$0,0087 \$0.0519 \$0.1761 (\$0.003) (actual) (\$0.2039) May-04 \$0.0519 \$0.0379 \$0 0087 \$0.1761 31 (\$0.2033) (\$0.2039) Apr-04 (actual) \$0.0519 \$0.0379 \$0.1761 \$0.0087 (actual) (\$600.0\$) Mar-04 \$0.0379 \$0.0519 \$0,1761 (\$0.203)31 \$0.0087 Feb-04 (actual) (\$600.0\$) 29 \$0.2039) \$0.0087 \$0.0519 \$0.0379 \$0.1761 (actual) (\$600.0\$) Jan-04 (\$0.2039) \$0.0519 \$0.0379 3 \$0.0087 \$0.1761 Base Rate / Fiscal Year Reconciling Components Dec-03 (actual) \$0.0519 \$0.0379 \$0.1761 (\$6,00.0\$) (\$0.2039) \$0.0087 'n Nov-03 (actual) \$0.0519 prorated \$0.0379 \$0.1761 (\$0.003) (\$0.2039)\$0.0087 Oct-03 (\$600.0\$) (actual) (\$0.2039)\$0.0519 \$0.0379 33 \$0.0087 \$0,1761 (\$600.0\$) Sep-03 (actual) (\$0.2039) \$0.0519 \$0.0087 \$0.0379 8 \$0.1761 Aug-03 (actual) (\$0.003) (\$0.2039)\$0.0519 \$0.0379 \$0.1761 \$0.0087 5 (\$0.0046) (\$0.1019) Jul-03 (actual) \$0.0379 prorated \$0.0519 \$0.0881 \$0.0087 3 Dkt 3459 Dkt 3401 Dkt 3459 **DKt 3459** Dkt 3401 Dkt 3401 source ERI-2 Weather Mitigation (PGC Only) ERI-2 Non-Firm Margin (PGC Only) ERI-2 Excess Earnings (PGC Only) G:\PRICSHAR\Dkt 3548 - DAC\DAC 04 Filling\ Environmental - Base Rates DSM Factor - Base Rates LIAP Factor - Base Rates DAC FACTORS: \$/dth

1,422,548 36,340,913 1,099,544 27,548,228

> 2,123,678 1,548,854

4,092,177 3,126,882

4,750,219

6,900,734 5,255,800

5,869,906

4,074,730 3,106,276

2,635,929 2,095,330

1,388,293 1,068,880

760,856

801,533

810,350

Classified's Classified's

R! Firm through-put (dth)

PGC Firm Thru-put

984,327

1,052,951

1,045,420

4,404,612

3,469,311

(\$15,828) (\$15,088) 2,211,777 1,346,413 2,123,678 1,422,548 \$18,476 \$12,376 \$5766 (\$662) (\$15,062) (\$15,419) 2,00% (\$15,449) (\$15,445) (\$15,419) \$5740 (\$687) \$740 (\$687) \$740 (\$687) \$741,777 1,346,413 \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$740 (\$687) \$760,002) \$760,002

Gas Company	Phode island Service Area
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Distribution Adjustment Charge Reconciliation Factor

Attachment PCC-7 Docket 3548 July 30, 2004 Page 3 of 5

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Base Rate / Fiscal Year Reconciling Components

12-mth end Jun 04	34,540,366 \$1,309,081 36,340,913 \$1,37,320 (\$323,424)	\$4,780,706 \$4,780,706 \$51,372	(\$251,616) (\$251,616) (\$2,706)	27,548,228 (\$5.533,111) (\$59,457)
Jun-04 30 (actual)	\$65,723) 1,346,413 1,421,029 1,422,345 \$53,915 (\$68,609) (\$67,166) 2,00% (\$110) (\$68,719)	(\$19,281) 1,099,544 \$193,663 (\$212,943) (\$116,112) 2,00% (\$191) (\$213,134) (\$193,854)	\$919 1,099.544 (\$10.193) \$11.112 \$6.015 2.00% \$10.203	\$22.291 1,099.544 (\$224.142) (\$224.142) \$246.433 \$134.362 2.00% \$221 \$246.654 \$224.363
May-04 31 (actual)	\$68,948) 2,211,777 \$83,826 2,123,678 \$80,487 \$65,609) (\$67,278) 2,00% (\$114) \$65,723)	\$253,320 1,548,854 \$172,800 (\$19,479) \$116,921 2.00% \$199 (\$19,281)	(\$13,429) 1,548,854 (\$14,389) \$929 (\$6,250) 2.00% (\$11) \$919	(\$293.213) 1,548.854 (\$315.734) \$22.521 (\$135.346) 2.00% (\$230) \$22.291 \$315.504
Apr-04 30 (actual)	(\$50,828) 3,616,705 4,092,177 \$155,094 (\$68,849) 2,00% (\$59,839) 2,00% (\$68,948) (\$68,948)	\$803,191 \$126,882 \$550,738 \$252,453 \$527,822 2.00% \$268 \$253,320 (\$549,870)	(\$42,369) 3,126,882 (\$28,986) (\$13,383) (\$27,876) 2,00% (\$46) (\$13,429) \$28,940	(\$929,624) 3,126,882 (\$637,415) (\$292,209) (\$610,916) 2,00% (\$1,004) (\$293,213)
Mar-04 31 (actual)	(\$65,836) 5,148,808 4,750,219 \$185,740 (\$50,729) (\$58,283) 2.00% (\$50,828) (\$50,828) \$50,828	\$1,412,360 3,469,311 \$611,050 \$611,050 \$1,106,835 2,00% \$1,880 \$803,191 (\$609,170)	(\$74,430) 3,469,311 (\$32,161) (\$42,270) (\$68,350) 2,00% (\$39) (\$42,369)	(\$1,634,667) 3,469,311 (\$707,219) (\$27,448) (\$1,281,057) (\$2,176) (\$2,176) (\$29,624) \$705,043
Feb-04 29 (actual)	(\$22,951) 5,771,059 \$218,723 6,900,734 \$261,538 (\$65,766) (\$44,358) 2.00% (\$65,88) (\$65,88) (\$65,88) (\$65,88)	\$2,335,089 5,255,800 \$925,704 \$1,409,385 \$1,470,385 \$1,412,360 (\$922,729)	(\$122,995) 5,255,800 (\$48,721) (\$74,724) (\$98,634) 2.00% (\$157) (\$74,430)	(\$2,702,618) 5,255,800 (\$1,071,335) (\$1,631,23) (\$2,166,921) (\$3,443) (\$1,634,667) \$1,067,951
Jan-04 31 (actual)	(\$3,373) 5,353,921 5,353,921 5,869,906 \$222,699 (\$22,928) (\$13,151) 2.00% (\$22) (\$22,951) (\$22,951) \$0	\$3,106,256 4,404,612 \$775,784 \$2,330,472 \$2,1330,472 2.00% \$4,617 \$2,335,089 (\$771,167)	(\$163,582) 4,404,612 (\$40,831) (\$122,752) 2.00% (\$243) (\$122,995) \$40,588	(\$3,595,154) 4,404,612 (\$897,880) (\$2,697,274) (\$3,146,214) (\$5,3146,214) (\$5,344) (\$5,702,618)
Dec-03 31 (actual)	\$4.807 3.858.840 \$146.250 4.074,730 \$154.432 (\$3.375) \$716 2.00% \$1 (\$3.373) \$1 (\$3.373)	\$3,647,633 3,106,276 \$547,108 \$3,37400,525 \$3,374,00,525 \$5,731 \$5,731 \$3,106,256 (\$541,377)	(\$192,076) 3,106,276 (\$28,795) (\$163,281) (\$17,678) 2,00% (\$302) (\$163,582)	\$4,221,735) 3,106,276 (\$633,214) (\$3,586,520) (\$3,965,128) 2,00% (\$6,633) (\$3,595,154)
Nov-03 30 (actual)	\$11,024 2,471,545 \$93,672 2,635,929 \$99,902 \$7,794 \$7,909 2,00% \$4,807 \$4,807 \$6,217)	\$4,010,394 2,095,330 \$369,050 \$3,641,344 \$3,825,689 \$6,289 \$3,647,533 (\$362,761)	(\$211,168) 2,095,330 (\$19,424) (\$191,745) (\$201,456) 2,00% (\$331) (\$192,076)	(\$4,641,589) 2,095,330 2,042,14,33) (\$4,214,456) (\$4,214,456) (\$4,221,735) (\$4,221,735)
Oct-03 31 (actual)	\$5,679 1,528,945 \$57,947 1,388,293 \$52,616 \$11,010 \$1345 2,00% \$14 \$14 \$11,024 \$5,345	\$4,191,696 1.068,880 \$188,262 \$4,003,434 \$4,097,655 \$6,960 \$6,960 \$4,010,394 (\$181,302)	(\$220,710) 1,068,880 (\$9,909) (\$210,802) (\$215,756) (\$366) (\$211,168)	(\$4,851,424) 1,068,880 (\$217,891) (\$4,633,533) (\$4,633,533) (\$4,641,589) (\$4,641,589) \$209,836
Sep-03 30 (actual)	\$300 1,126,112 \$42,680 984,327 \$37,306 \$5,674 \$2,987 2.00% \$5,679 \$5,679	\$4.318,716 760.856 \$134.010 \$4,184,707 \$4,251,712 \$6,989 \$4,191,696 (\$127,020)	(\$227,395) 760,856 (\$7,053) (\$220,342) (\$220,342) (\$220,710) \$6,685	(\$4,998,436) 760,855 (\$155,100) (\$4,843,335) (\$4,843,335) (\$4,820,886) (\$8,089) (\$8,089)
Aug-03 31 (actual)	\$662 1,043,395 \$39,545 1,052,951 \$30,907 \$481 2,00% \$1 \$300 \$300 \$300 \$300	\$4,452,447 801,533 \$141,174 \$4,311,273 \$4,381,860 \$7,443 \$4,318,716 (\$133,731)	(\$234,434) 801,533 (\$7,430) (\$227,004) \$230,704 (\$392) (\$227,395) \$7,038	(\$5,153,214) 801,533 (\$163,393) (\$4,989,821) (\$5,071,517) (\$8,615) (\$4,998,436) \$154,778
Jul-03 31 (actual)	\$0 1,082,847 \$40,282 1,045,420 \$39,621 \$33,621 \$33,1 2,00% \$1 \$662 \$662 \$662	\$4,516,200 810,350 \$71,363 \$4,444,837 \$4,48,37 \$4,462,447 \$7,611 \$4,452,447	(\$237,789) 810,350 (\$234,033) (\$235,911) 2,00% (\$401) (\$234,434)	(\$6.227,000) 810,350 (\$82,595) (\$5.144,405) (\$5,185,703) (\$8,809) (\$5,153,214)
source	ase Rates	ion (PGC Or Dkt 3459 Classified's Calculation	oGC Only) Dkt 3459 Classified's Calculation	nings (PGC Dkt 3459 Classified's Calculation
G:PRICSHARIDKI 3548 - DACIDAC 04 Filing\	Environmental Recon. Adjust - Base Rates Environmental Recon. Acct Beg. Bal. Fost Firm Thru-put Fost Environmental Collections Actual Firm Thru-put Actual Firm Thru-put Actual Environemental Collections Ending Environemental Balance Average Balance Ileet Prime Rate less 200 Basis Points Interest Applied Environmental End Balance	ERI-2 Adjust DAC With Mittigation (PGC Only) ERI-2 With Mit. Factor Acct Beg. Bai Dkt 3459 \$4 Actual Firm Thru-put Classified's Actual ERI-2 With Mit. Collections Calculation Ending ERI-2 With Mit. Balance Salenting ERI-2 With Mit. Balance Salenting ERI-2 With Mit. Balance Salenting ERI-2 With Mitigation End Balance Salent-2 With Mitigatio	ERI-2 Adjust DAC NF Margin (PGC Only) ERI-2 NF Margin Factor Act Beg. Bal Dkt 3459 Actual Firm Thru-put Collections Classified's Actual ERI-2 NF Margin Collections Ending ERI-2 NF Margin Balance Average Monthly Balance Fleet Prime Rate less 200 Basis Points Interest Applied ERI-2 NF Margin End Balance ERI-2 NF Margin End Balance	ERI-2 Adjust DAC Excess Earnings (PGC Only) ERI-2 NF Margin Factor Acct Beg. Bal Dkt 3459 (\$6.22 Actual Firm Thru-put Classified's 8 Actual ERI-2 EE Collections Calculation (\$5 Average Monthly Balance (\$5.14 Fleet Prime Rate less 200 Basis Points Interest Applied ERI-2 EE End Balance (\$5.18 Fleet Prime Rate less 200 Basis Points (\$6.18 Interest Applied ERI-2 EE End Balance (\$5.18

Gas Compan	Service Area
New England	Rhode Island

Distribution Adjustment Charge Reconciliation Factor

Attachment PCC-7 Docket 3548 July 30, 2004 Page 4 of 5

Non-Base Rate / Fiscal Year Reconciling Components

(actual) (actual) (actual)
\$0.0411 \$0.0496 \$0.0496 \$0.0496 \$0.0496 \$0.0411 \$0.0400 \$0.00000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.00
4,074,730 5,869,906 6.
\$132,218 \$97,528 \$1 \$202,107 \$27,640
\$130,801 \$/9,529 \$425,745 \$725,505 2.00% 2.00% 2.00% 2.00% 2.00% 2.00% \$725 \$1,153 \$132,218 \$27,775 \$824,435 \$627,725
\$2,900 (\$104,443) \$796,659 (\$196,710)
(\$660.242) (\$634,155) (\$558,154) (\$448,067) 2,835,929 4,074,730 5,869,906 6,900,734 (\$27,150) (\$77,012) (\$110,941) (\$130,424) (\$633,092) (\$557,143) (\$447,213) (\$317,643) (\$646,667) (\$595,649) (\$502,684) (\$382,855) 2,00% 2,00% (\$1,063) (\$1,012) (\$864) (\$638,164) (\$634,155) (\$558,154) (\$448,067) (\$318,251)
\$26,087 (\$76,001) (\$110,087) (\$129,816)
(\$444,274) (\$428,252) (\$377,187) (\$303,216) 2,635,929 4,074,730 5,869,906 6,900,734 (\$16,738) (\$51,749) (\$74,548) (\$87,639) (\$427,536) (\$376,503) (\$302,639) (\$215,577) (\$435,905) (\$402,378) (\$339,913) (\$259,397)

Page 4

New England Gas Company Rhode Island Service Area

Distribution Adjustment Charge Reconciliation Factor

Attachment PCC-7 Docket 3548 July 30, 2004 Page 5 of 5

Non-Base Rate / Fiscal Year Reconciling Components

G-VPRICSHARIDKI 3548 - DACIDAC 04 Filind		Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	12-mth end Oct 04
	source	30 (actual)	31 (actual)	31 (actual)	29 (actual)	31 (actual)	30 (actual)	31 (actual)	30 (actual)	31 (forecast)	31 (forecast)	30 (forecast)	31 (forecast)	
Fleet Prime Rate less 200 Basis Points Interest Applied On-system Credit End Balance		2.00% (\$717) (\$428,252)	2.00% (\$683) (\$377,187)	2.00% (\$577) (\$303,216)	2.00% (\$412) (\$215,989)	2.00% (\$316) (\$155,977)	2.00% (\$214) (\$104,220)	2.00% (\$154) (\$77,404)	2.00% (\$112) (\$59,450)	0.00% \$0 (\$45,082)	0.000 0\$ %30,996)	0.00% \$0 (\$16,034)	0.00% \$0 \$4.537	(\$3,185)
Under/(over) Recovery		\$16,022	\$51,066	\$73,970	\$87,227	\$60,012	\$51,757	\$26,817	\$17,954	\$14,368	\$14,086	\$14,962	\$20,571	
Weather Normalization - DAC WNA Act Beg. Balance Actual Firm Thru-but Actual WNA Collections Ending WNA Balance Average Monthly Balance Fleet Prime Rate less 200 Basis Points Interest Applied Weather Normalization End Balance	Pricing Classified's Calculation	(\$4,302,000) 2,635,929 (\$4,25,505) (\$4,139,495) (\$4,220,747) 2,00% (\$6,938)	(\$4,146,433) 4,074,730 (\$502,14) (\$3,842,019) (\$3,895,226) 2,00% (\$6,617) (\$3,650,636)	(\$3.650,636) 5,889,906 (\$723,759) (\$2,926,876) (\$3,288,756) 2.00% (\$5,586) (\$2,932,463)	(\$2,932,463) 6,900,734 (\$850,861) (\$2,081,602) (\$2,507,032) 2,00% (\$3,984) (\$2,085,586)	(\$2,085,586) 4,750,219 (\$585,702) (\$1,499,884) (\$1,792,735) 2,00% (\$3,045) (\$1,502,929)	(\$1,502,929) 4,092,177 (\$504,565) (\$998,363) (\$1,250,646) 2.00% (\$2,056) (\$1,000,419)	\$1,000,419) 2,123,678 (\$261,850) (\$738,570) (\$869,495) 2,00% (\$1477)	\$740,047) 1,422,548 (\$175,400) (\$564,647) (\$652,347) 2,00% (\$1,072) (\$565,719)	\$565,719) 1.131,324 (\$139,492) (\$426,227) (\$495,973) 0.00% \$0	(\$426,227) 1,109,117 (\$136,754) (\$289,473) (\$357,850) 0,00% \$0 (\$289,473)	(\$289,473) 1,178,084 (\$145,258) (\$144,215) (\$216,844) 0,00% \$0	(\$144,215) 1,619,787 (\$199,720) \$55,505 (\$44,355) 0,00% \$65,505	36,908,234 (\$4,388,280) (\$30,775)
Under/(over) Recovery		\$155,567	\$495,798	\$718,173	\$846,877	\$582,657	\$502,510	\$260,373	\$174,328	\$139,492	\$136,754	\$145,258	\$199,720	
Earnings Sharings Mechanism - DAC ESM Acct Beg. Balance Actual Firm Thru-put Actual ESM Collections Ending ESM Balance Average Monthly Balance Fleet Prime Rate less 200 Basis Points Interest Applied Earnings Sharing End Balance	- DAC Pricing Classified's Calculation	(\$5,212,000) 2,835,929 (\$196,904) (\$5,015,096) (\$5,113,548) (\$8,406) (\$5,023,502)	(\$5,023,502) 4,074,730 (\$608,765) (\$4,414,737) (\$4,719,120) 2,00% (\$8,016) (\$4,422,753)	(\$4,422,753) 5,869,906 (\$876,964) (\$3,544,771) 2,00% (\$6,567) (\$3,552,557)	(\$3,552,557) 6,900,734 (\$1,030,970) (\$2,537,538) (\$3,037,072) 2,00% (\$4,826) (\$2,526,414)	(\$2,526,414) 4,750,219 4,750,219 (\$1,816,731) (\$2,171,572) 2,00% (\$3,689) (\$1,820,419)	(\$1,820,419) 4,092,177 (\$611,371) (\$1,209,048) (\$1,514,734) (\$2,00%) (\$2,490) (\$1,211,538)	(\$1,211,538) 2,123,678 (\$317,278) (\$894,261) (\$1,052,899) 2,00% (\$1,788) (\$6,049)	(\$896,049) 1,422,548 (\$212,529) (\$683,520) (\$789,785) 2,00% (\$1,298) (\$684,819)	(\$684,819) 1.31,324 (\$169,020) (\$515,799) (\$600,309) 2.00% (\$1,020) (\$516,819)	(\$516.819) (\$109.117 (\$165.702) (\$351.117) (\$433.968) 2.00% (\$737) (\$351.854)	(\$351,854) 1,178,084 (\$176,084) (\$175,848) (\$263,851) 2,00% (\$434) (\$176,282)	(\$176.282) 1,619.787 (\$241.996) \$65.714 (\$55.284) 2,00% (\$94) \$65,621	36,908,234 (\$5,317,186) (\$39,566)
Under/(over) Recovery		\$188,498	\$600,749	\$870,196	\$1,026,144	\$705,994	\$608,881	\$315,489	\$211,230	\$168,000	\$164,965	\$175,572	\$241,902	
Reconciliation Factor - DAC Recon Factor Acct Beg. Balance Actual Firm Thru-put Actual Recon Collections Ending Recon Balance Average Monthly Balance Fleet Prime Rate less 200 Basis Points Interest Applied Earnings Sharing End Balance	Pricing Classified's Catculation	\$399,433 2,635,929 \$15,025 \$384.408 \$391,921 2,00% \$644 \$385,052	\$385,052 4,074,730 \$46,452 \$338,601 \$361,826 2.00% \$615 \$339,215	\$339,215 5,869,906 \$66,917 \$272,298 \$305,757 2.00% \$519 \$272,818	\$272.818 6,900,734 \$78,668 \$194,149 \$233,483 2.00% \$371 \$371	\$194,520 4,750,219 \$54,153 \$140,368 \$167,444 2.00% \$284 \$140,652	\$140,652 4,092,177 \$46,651 \$94,001 \$117,327 2,00% \$193 \$94,194	\$94,194 2,123,678 \$24,210 \$69,984 \$82,089 2.00% \$139	\$70,124 1,422,548 \$16,217 \$63,907 \$62,015 2.00% \$102 \$54,009	\$54,009 1,131,324 \$12,897 \$41,112 \$47,560 2,00% \$81	\$41,192 1,109,117 \$12,644 \$28,548 \$34,870 2.00% \$59 \$28,608	\$28,608 1,178,084 \$13,430 \$15,177 \$21,893 2,00% \$36 \$36	\$15,213 1,619,787 \$18,466 (\$3,252) \$5,981 2,00% \$10 (\$3,242)	36,908,234 \$405,729 \$3,054
Under/(over) Recovery		(\$14,381)	(\$45,837)	(\$66,393)	(\$78,297)	(\$53,868)	(\$46,458)	(\$24,070)	(\$16.115)	(\$12,816)	(\$12,585)	(\$13,394)	(\$18,455)	